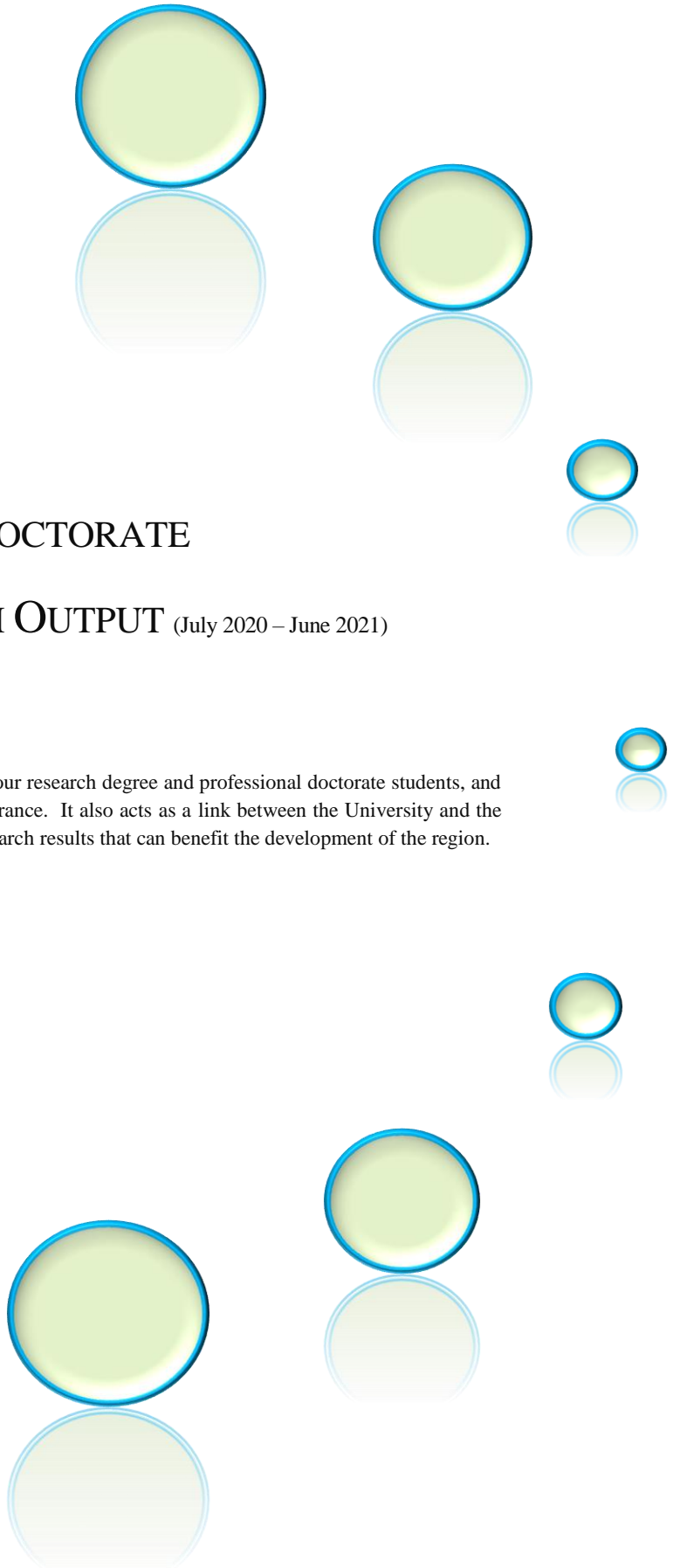




Chow Yei Ching  
School of Graduate Studies  
香港城市大學  
City University of Hong Kong

# RESEARCH DEGREE AND PROFESSIONAL DOCTORATE STUDENTS' RESEARCH OUTPUT (July 2020 – June 2021)

This report summarizes the research outputs of our research degree and professional doctorate students, and serves to recognize their hard work and perseverance. It also acts as a link between the University and the community, as it demonstrates the excellent research results that can benefit the development of the region.



## TABLE OF CONTENTS

<b>SUMMARY OF RESEARCH OUTPUT PRODUCED BY PHD STUDENTS IN 2020-2021 .....</b>	<b>IV</b>
<b>SUMMARY OF RESEARCH OUTPUT PRODUCED BY MPhil STUDENTS IN 2020-2021 .....</b>	<b>VI</b>
<b>SUMMARY OF RESEARCH OUTPUT PRODUCED BY PROFESSIONAL DOCTORATE STUDENTS IN 2020-2021 .....</b>	<b>VII</b>
<b>SECTION A: PUBLICATIONS OF PHD STUDENTS .....</b>	<b>8</b>
COLLEGE OF BUSINESS .....	8
DEPARTMENT OF ACCOUNTANCY .....	8
DEPARTMENT OF ECONOMICS AND FINANCE .....	9
DEPARTMENT OF INFORMATION SYSTEMS .....	10
DEPARTMENT OF MANAGEMENT .....	12
DEPARTMENT OF MANAGEMENT SCIENCES .....	13
DEPARTMENT OF MARKETING .....	14
DEPARTMENT OF ADVANCED DESIGN AND SYSTEMS ENGINEERING .....	15
COLLEGE OF ENGINEERING .....	19
DEPARTMENT OF ARCHITECTURE AND CIVIL ENGINEERING .....	19
DEPARTMENT OF BIOMEDICAL ENGINEERING .....	42
DEPARTMENT OF COMPUTER SCIENCE .....	59
DEPARTMENT OF ELECTRICAL ENGINEERING .....	88
DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING .....	111
DEPARTMENT OF MECHANICAL ENGINEERING .....	150
DEPARTMENT OF SYSTEMS ENGINEERING AND ENGINEERING MANAGEMENT .....	174
COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES .....	176
DEPARTMENT OF ASIAN AND INTERNATIONAL STUDIES .....	176
DEPARTMENT OF CHINESE AND HISTORY .....	176
DEPARTMENT OF ENGLISH .....	178
DEPARTMENT OF LINGUISTICS AND TRANSLATION .....	178
DEPARTMENT OF MEDIA AND COMMUNICATION .....	180
DEPARTMENT OF PUBLIC POLICY .....	187
DEPARTMENT OF SOCIAL AND BEHAVIOURAL SCIENCES .....	191
COLLEGE OF SCIENCE .....	197
DEPARTMENT OF CHEMISTRY .....	197
DEPARTMENT OF MATHEMATICS .....	237
DEPARTMENT OF PHYSICS .....	239
SCHOOL OF CREATIVE MEDIA .....	252
SCHOOL OF DATA SCIENCE .....	262
SCHOOL OF ENERGY AND ENVIRONMENT .....	268
SCHOOL OF LAW .....	290

JOCKEY CLUB COLLEGE OF VETERINARY MEDICINE AND LIFE SCIENCES .....	290
<i>DEPARTMENT OF BIOMEDICAL SCIENCES</i> .....	290
<i>DEPARTMENT OF INFECTIOUS DISEASES AND PUBLIC HEALTH</i> .....	304
<i>DEPARTMENT OF NEUROSCIENCE</i> .....	306
<i>DEPARTMENT OF VETERINARY CLINICAL SCIENCES</i> .....	307
JOCKEY CLUB COLLEGE OF VETERINARY MEDICINE AND LIFE SCIENCES .....	307
<b>SECTION B: PUBLICATIONS OF MPhil STUDENTS.....</b>	<b>311</b>
COLLEGE OF BUSINESS .....	311
<i>DEPARTMENT OF ECONOMICS AND FINANCE</i> .....	311
COLLEGE OF ENGINEERING .....	311
<i>DEPARTMENT OF BIOMEDICAL ENGINEERING</i> .....	311
<i>DEPARTMENT OF COMPUTER SCIENCE</i> .....	312
<i>DEPARTMENT OF ELECTRICAL ENGINEERING</i> .....	313
<i>DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING</i> .....	313
COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES.....	313
<i>DEPARTMENT OF PUBLIC POLICY</i> .....	313
COLLEGE OF SCIENCE .....	313
<i>DEPARTMENT OF MATHEMATICS</i> .....	313
SCHOOL OF CREATIVE MEDIA.....	313
SCHOOL OF DATA SCIENCE .....	313
JOCKEY CLUB COLLEGE OF VETERINARY MEDICINE AND LIFE SCIENCES .....	313
<i>DEPARTMENT OF BIOMEDICAL SCIENCES</i> .....	313
<b>SECTION C: PUBLICATIONS OF PROFESSIONAL DOCTORATE STUDENTS.....</b>	<b>315</b>
COLLEGE OF BUSINESS .....	315
<i>COLLEGE OF BUSINESS</i> .....	315
COLLEGE OF ENGINEERING .....	316
<i>DEPARTMENT OF ADVANCED DESIGN AND SYSTEMS ENGINEERING</i> .....	316
<i>DEPARTMENT OF SYSTEMS ENGINEERING AND ENGINEERING MANAGEMENT</i> .....	316
SCHOOL OF LAW .....	317

## Summary of Research Output Produced by PhD Students in 2020-2021

Departments	Category of Publications						Total No of Publications
	Scholarly books, monographs and chapters	Journal publications	Conference papers	Creative and literary works, consulting reports and case studies	Patents, agreements, assignments and companies	All other outputs	
<b>PhD</b>							
<b>College of Business</b>							
Department of Accountancy	-	6	4	-	-	12	22
Department of Economics and Finance	1	11	-	-	-	4	16
Department of Information Systems	-	15	16	-	1	8	40
Department of Management	-	2	1	-	-	-	3
Department of Management Sciences	-	10	1	-	-	8	19
Department of Marketing	5	9	1	-	-	7	22
<b>College of Engineering</b>							
Department of Advanced Design and Systems Engineering	-	37	11	-	-	2	50
Department of Architecture and Civil Engineering	3	217	23	-	-	41	284
Department of Biomedical Engineering	-	104	18	-	1	21	144
Department of Computer Science	8	154	111	1	1	43	318
Department of Electrical Engineering	4	145	68	-	5	32	254
Department of Materials Science and Engineering	-	198	1	-	4	28	231
Department of Mechanical Engineering	-	163	9	-	1	26	199
Department of Systems Engineering and Engineering Management	-	11	6	-	-	12	29
<b>College of Liberal Arts and Social Sciences</b>							
Department of Asian and International Studies	4	4	1	-	-	3	12
Department of Chinese and History	2	3	2	1	-	9	17
Department of English	-	2	-	-	-	4	6
Department of Linguistics and Translation	1	11	14	1	-	5	32
Department of Media and Communication	1	34	37	-	-	16	88
Department of Public Policy	3	22	10	3	-	11	49

Department of Social and Behavioural Sciences	3	56	-	-	-	15	74
<b>College of Science</b>							
Department of Chemistry	1	218	11	-	2	22	254
Department of Mathematics	-	26	2	-	-	8	36
Department of Physics	-	96	4	-	-	14	114
<b>College, Schools and Academic Departments</b>							
School of Creative Media	9	19	27	16	1	11	83
School of Data Science	-	67	4	-	-	8	79
School of Energy and Environment	8	168	11	-	2	24	213
School of Law	-	3	1	-	-	5	9
<b>Jockey Club College of Veterinary Medicine and Life Sciences</b>							
Department of Biomedical Sciences	4	77	1	-	2	38	122
Department of Infectious Diseases and Public Health	-	18	2	-	-	-	20
Department of Neuroscience	-	8	1	-	-	3	12
Department of Veterinary Clinical Sciences	-	1	-	-	-	-	1
Jockey Club College of Veterinary Medicine and Life Sciences	3	30	3	-	-	4	40
<b>Total</b>	<b>60</b>	<b>1945</b>	<b>401</b>	<b>22</b>	<b>20</b>	<b>444</b>	<b>2892</b>

## Summary of Research Output Produced by MPhil Students in 2020-2021

Departments	Number of students who have produced publications	Category of Publications						Total No of Publications
		Scholarly books, monographs and chapters	Journal publications	Conference papers	Creative and literary works, consulting reports and case studies	Patents, agreements, assignments and companies	All other outputs	
<b>MPhil</b>								
<b>College of Business</b>								
Department of Economics and Finance	1	4	-	-	-	-	1	5
<b>College of Engineering</b>								
Department of Biomedical Engineering	4	-	8	1	-	-	2	11
Department of Computer Science	3	-	1	5	-	-	-	6
Department of Electrical Engineering	3	-	-	-	-	1	2	3
Department of Materials Science and Engineering	2	-	1	-	-	-	1	2
<b>College of Liberal Arts and Social Sciences</b>								
Department of Public Policy	1	-	-	-	-	-	1	1
<b>College of Science</b>								
Department of Mathematics	1	-	-	-	-	-	1	1
<b>College, Schools and Academic Departments</b>								
School of Creative Media	1	-	-	-	-	-	1	1
School of Data Science	1	-	-	-	-	-	1	1
<b>Jockey Club College of Veterinary Medicine and Life Sciences</b>								
Department of Biomedical Sciences	1	-	-	-	-	-	1	1
<b>Total</b>	<b>18</b>	<b>4</b>	<b>10</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>11</b>	<b>32</b>

## Summary of Research Output Produced by Professional Doctorate Students in 2020-2021

Departments	Number of students who have produced publications	Category of Publications						Total No of Publications
		Scholarly books, monographs and chapters	Journal publications	Conference papers	Creative and literary works, consulting reports and case studies	Patents, agreements, assignments and companies	All other outputs	
<b>Professional Doctorate</b>								
<b>College of Business</b>								
College of Business	29	-	-	-	-	-	29	29
<b>College of Engineering</b>								
Department of Advanced Design and Systems Engineering	2	-	1	-	-	-	1	2
Department of Systems Engineering and Engineering Management	4	-	1	-	-	-	4	5
<b>College, Schools and Academic Departments</b>								
School of Law	6	-	-	-	-	-	6	6
<b>Total</b>	<b>41</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>42</b>

## Section A: Publications of PhD Students

College of Business	
DEPARTMENT OF ACCOUNTANCY	
Journal publications	
HE Chang	#HE Chang, LI Chao, MONROE Gary, SI Yi, "Diversity of Signing Auditors and Audit Quality", <i>Auditing: A Journal of Practice &amp; Theory</i> , 40(3), 22 January 2021, pp 27-52, doi: <a href="https://doi.org/10.2308/AJPT-19-068">https://doi.org/10.2308/AJPT-19-068</a> .
HUANG Li	#HUANG Li, LI Oliver Zhen, LIN Yupeng, XU Chao, XU Haoran, "Gender and age-based investor affinities in a Ponzi scheme", <i>Humanities and Social Sciences Communications</i> , 8, 03 March 2021, doi: <a href="https://doi.org/10.1057/s41599-021-00733-w">https://doi.org/10.1057/s41599-021-00733-w</a> .
LI Xing	#LI Xing, TIAN Gaoliang, #ZHANG Rui, "'瞒天过海': 企业避税与大股东掏空", <i>管理工程学报</i> , 34(4), July 2020, pp 21-33, doi: <a href="https://doi.org/10.13587/j.cnki.jieem.2020.04.003">https://doi.org/10.13587/j.cnki.jieem.2020.04.003</a> .
LI Yueting	#LI Yueting, WANG Jianling, "The negative corporate governance impact of distracted shareholders: evidence from value of cash holdings", <i>Asia-Pacific Journal of Accounting and Economics</i> , 04 January 2021, doi: <a href="https://doi.org/10.1080/16081625.2020.1870509">https://doi.org/10.1080/16081625.2020.1870509</a> .
TIAN Haowen	田高良, #TIAN Haowen, 吴思锐, 施诺, "控股股东股权质押与会计信息可比性 —— 基于债权人风险防范的视角", <i>證券市場導報</i> , 2020 年(10 (总 339)), 10 October 2020, pp 35-46, 58. WU Sirui, GONG Guangming, HUANG Xin, #TIAN Haowen, "The Interaction Between Suppliers and Fraudulent Customer Firms: Evidence from Trade Credit Financing of Chinese Listed Firms", <i>Journal of Business Ethics</i> , 10 May 2021, doi: <a href="https://doi.org/10.1007/s10551-021-04832-1">https://doi.org/10.1007/s10551-021-04832-1</a> .
ZHANG Rui	#LI Xing, TIAN Gaoliang, #ZHANG Rui, "'瞒天过海': 企业避税与大股东掏空", <i>管理工程学报</i> , 34(4), July 2020, pp 21-33, doi: <a href="https://doi.org/10.13587/j.cnki.jieem.2020.04.003">https://doi.org/10.13587/j.cnki.jieem.2020.04.003</a> .
Conference papers	
DAK-ADZAKLO Cephias Simon Peter	#DAK-ADZAKLO Cephias Simon Peter, WONG Man Kong, "Corporate governance reforms, societal trust and corporate financial policies", <i>European Accounting Association Virtual Congress 2021 (EAA 2021)</i> , Virtual, Brussels, Belgium, 26-28 May 2021. #DAK-ADZAKLO Cephias Simon Peter, WONG Man Kong, "Corporate governance reforms, societal trust and corporate financial policies", <i>2021 Canadian Academic Accounting Association Annual Conference (2021 CAAA)</i> , Online, 09-12 June 2021.
FU Siwen	#FU Siwen, WANG Ke, ZHANG liandong, ZHENG Liu, "Bogging Down Investors: An Unintended Consequence of Litigation Risk", <i>2020 Accounting and Finance Association of Australia and New Zealand Conference (AFAANZ 2020)</i> , virtual platform, 05-07 July 2020.
GU Zhenjiang	#GU Zhenjiang, KIM Jeong Bon, LU Louise Yi, YU Yangxin, "CEO Equity Incentive Horizon and Expected Crash Risk", <i>43rd Annual Congress of the European Accounting Association (EAA 2021)</i> , Online, Brussels, Belgium, 26-28 May 2021.
All other outputs	
CHEN Xia	#CHEN Xia, <i>Managerial Sentiment and Corporate Information Disclosure: Evidence from a Natural Experiment</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 06 October 2020.
FU Siwen	#FU Siwen, <i>Two Essays on the Consequences of Data Breaches</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 01 June 2021.
GODIGBE Bright Gershion	#GODIGBE Bright Gershion, <i>Essays on the Effect of Mandatory Changes in Corporate Transparency: Evidence from Segment Reporting</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 18 January 2021.
GU Zhenjiang	#GU Zhenjiang, <i>CEO Equity Incentive Duration and Expected Crash Risk</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 15 June 2021.
JIA Yifan	#JIA Yifan, <i>Do Smart Employees Matter for Management Forecasts?</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 15 June 2021.



Section A: Publications of PhD Students

<b>LI Xing</b>	# <b>LI Xing</b> , <i>The Influence of Customers' Social Capital on Corporate Financial Decisions: Perspective of the Supply Chain</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 14 July 2020.
<b>LI Yueting</b>	# <b>LI Yueting</b> , <i>Institutional Investor Distraction and Managerial Myopia</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 07 April 2021.
<b>TIAN Li</b>	# <b>TIAN Li</b> , <i>High-speed Railway, Audit Partner Changes across Audit Offices, and Audit Quality: Evidence from China</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 19 August 2020.
<b>WU Xuan</b>	# <b>WU Xuan</b> , <i>Co-opetition and Corporate Disclosure of Narrative R&amp;D Information</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 19 August 2020.
<b>XUE Xiaolin</b>	# <b>XUE Xiaolin</b> , <i>Research on the Impact of Institutional Investor Distraction on Firm Transparency</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 02 December 2020.
<b>YU Sijia</b>	# <b>YU Sijia</b> , <i>The Influence of Analyst-Auditor School Ties on Analyst Behaviors</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 01 June 2021.
<b>ZHANG Shaowei</b>	# <b>ZHANG Shaowei</b> , <i>Shareholder Litigation Risk and Stock Price Crash Risk</i> , PhD Thesis, Department of Accountancy, City University of Hong Kong, Hong Kong, PRC, 18 June 2021.
<b>DEPARTMENT OF ECONOMICS AND FINANCE</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>ONWACHUKWU Chinedu Increase</b>	# <b>ONWACHUKWU Chinedu Increase</b> , # <b>ROY Mallika</b> , "Culinary Image of Bangladesh and Tourists' Travel Intention - The Impact of Visual Attention", <i>Tourism Products and Services in Bangladesh - Concept Analysis and Development Suggestions</i> , 1st edition, Hassan Azizul (ed), Springer, ISBN: 978-981-33-4278-1, 978-981-33-4279-8, 978-981-33-4281-1, 17 March 2021, pp 245-262.
<b>Journal publications</b>	
<b>ADASI MANU Sylvester</b>	THOMPSON Ephraim Kwashie, # <b>ADASI MANU Sylvester</b> , "The impact of board composition on the dividend policy of US firms", <i>Corporate Governance (Bingley)</i> , 20 January 2021, doi: <a href="https://doi.org/10.1108/CG-05-2020-0182">https://doi.org/10.1108/CG-05-2020-0182</a> .
<b>CHENG Xu</b>	# <b>CHENG Xu</b> , KONG Dongmin, <b>WANG Junbo</b> , "Political uncertainty and A-H share premium", <i>Pacific-Basin Finance Journal</i> , 11 July 2020, doi: <a href="https://doi.org/10.1016/j.pacfin.2020.101388">https://doi.org/10.1016/j.pacfin.2020.101388</a> .
<b>GUO Fei</b>	# <b>GUO Fei</b> , OPOKU Eric Evans Osei, <b>YAN Kit Ming Isabel</b> , "The Heterogeneous Sectoral Productivity Impacts of FDI on Real Exchange Rate", <i>The Journal of International Trade and Economic Development</i> , 08 June 2021, doi: <a href="https://doi.org/10.1080/09638199.2021.1936135">https://doi.org/10.1080/09638199.2021.1936135</a> .
<b>KASHYAP Ravi</b>	# <b>KASHYAP Ravi</b> , "Artificial Intelligence: A Child's Play", <i>Technological Forecasting and Social Change</i> , 166, 30 January 2021, doi: <a href="https://doi.org/10.1016/j.techfore.2020.120555">https://doi.org/10.1016/j.techfore.2020.120555</a> . # <b>KASHYAP Ravi</b> , "Seven Survival Senses: Evolutionary Training Makes Discerning Differences More Natural Than Spotting Similarities", <i>World Futures</i> , 77(3), 10 February 2021, pp 222-244, doi: <a href="https://doi.org/10.1080/02604027.2020.1859315">https://doi.org/10.1080/02604027.2020.1859315</a> .
<b>LIAN Ziyang</b>	# <b>LIAN Ziyang</b> , <b>CAI Jun</b> , <b>WEBB Robert I.</b> , "Oil stocks, risk factors, and tail behavior", <i>Energy Economics</i> , 91, 28 August 2020, doi: <a href="https://doi.org/10.1016/j.eneco.2020.104932">https://doi.org/10.1016/j.eneco.2020.104932</a> .
<b>ONWACHUKWU Chinedu Increase</b>	# <b>ONWACHUKWU Chinedu Increase</b> , <b>YAN Kit Ming Isabel</b> , "A micro-level insight on trade-induced job polarization and poverty in Russia", <i>Economic Systems</i> , 45(1), 19 November 2020, doi: <a href="https://doi.org/10.1016/j.ecosys.2020.100837">https://doi.org/10.1016/j.ecosys.2020.100837</a> .
<b>SHI Chang</b>	LI Weiping, HUANG Jiashun, # <b>SHI Chang</b> , YANG Xue, "Does share pledging promote or impede corporate social responsibility? An examination of Chinese listed firms", <i>Economic Research-Ekonomska Istrazivanja</i> , 04 March 2021, doi: <a href="https://doi.org/10.1080/1331677X.2021.1889392">https://doi.org/10.1080/1331677X.2021.1889392</a> .
<b>ZHANG Yue</b>	ZHANG Wei-Guo, WANG Chao, # <b>ZHANG Yue</b> , <b>WANG Junbo</b> , "Credit risk evaluation model with textual features from loan descriptions for P2P lending", <i>Electronic Commerce Research and Applications</i> , 42, 08 July 2020, doi: <a href="https://doi.org/10.1016/j.elerap.2020.100989">https://doi.org/10.1016/j.elerap.2020.100989</a> . WANG Chao, # <b>ZHANG Yue</b> , ZHANG Weiguo, GONG Xue, "Textual sentiment of comments and collapse of P2P platforms: Evidence from China's P2P market", <i>Research in International Business and Finance</i> , 58, 02 June 2021, doi: <a href="https://doi.org/10.1016/j.ribaf.2021.101448">https://doi.org/10.1016/j.ribaf.2021.101448</a> .

## Section A: Publications of PhD Students

	ZHANG Wei-Guo, LI Zhe, LIU Yong-Jun, #ZHANG Yue, "Pricing European Option Under Fuzzy Mixed Fractional Brownian Motion Model with Jumps", <i>Computational Economics</i> , 58(2), 10 September 2020, pp 483–515, doi: <a href="https://doi.org/10.1007/s10614-020-10043-z">https://doi.org/10.1007/s10614-020-10043-z</a> .
<b>All other outputs</b>	
<b>AN Pengda</b>	#AN Pengda, <i>Heterogeneity and Correlation-Volatility of Oil and Stock</i> , PhD Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 19 April 2021.
<b>HABYARIMANA Jean Baptiste</b>	#HABYARIMANA Jean Baptiste, <i>Three Essays on Financial Literacy and Household Economic Decision-Making</i> , PhD Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 19 April 2021.
<b>LIU Shu</b>	#LIU Shu, <i>Two Essays about Corporate Political Connections</i> , PhD Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 01 June 2021.
<b>ZHAO Zhenling</b>	#ZHAO Zhenling, <i>Thesis on Credit Risk Premium and Interest Rate Volatility Risk in the Corporate Bond Market</i> , PhD Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 15 June 2021.
<b>DEPARTMENT OF INFORMATION SYSTEMS</b>	
<b>Journal publications</b>	
<b>CAO Qiang</b>	CHENG Xian, #CAO Qiang, LIAO Shaoyi Stephen, "An overview of literature on COVID-19, MERS and SARS: Using text mining and latent Dirichlet allocation", <i>Journal of Information Science</i> , 31 August 2020, doi: <a href="https://doi.org/10.1177/0165551520954674">https://doi.org/10.1177/0165551520954674</a> .
<b>CHEN Yuwen</b>	#CHEN Yuwen, QIN Jin, JIN Tongdan, CHEN Yating, "Coordinating an Extended Warranty Supply Chain under Increasing, Constant and Decreasing Product Failure Rates", <i>Journal of Systems Science and Systems Engineering</i> , 29(5), 17 August 2020, pp 609–628, doi: <a href="https://doi.org/10.1007/s11518-020-5463-3">https://doi.org/10.1007/s11518-020-5463-3</a> .
<b>DING Ling</b>	#DING Ling, LIAO Xiuwu, FENG Juan, "SHOULD A SHARING PLATFORM INVEST IN SELF-FULFILLMENT PRODUCTS?", <i>Journal of Electronic Commerce Research</i> , 21(4), November 2020, pp 215-236.
<b>GAN Qingqiu</b>	#GAN Qingqiu, HONG Jin, HOU Bojun, "Assessing the different types of policy instruments and policy mix for commercialisation of university technologies", <i>Technology Analysis and Strategic Management</i> , 33(5), 19 October 2020, pp 554–567, doi: <a href="https://doi.org/10.1080/09537325.2020.1831468">https://doi.org/10.1080/09537325.2020.1831468</a> .
<b>LI Jingwei</b>	#LI Jingwei, SIA Choon Ling, CHEN Zhuo, HUANG Wei, "Enhancing influenza epidemics forecasting accuracy in China with both official and unofficial online news articles, 2019–2020", <i>International Journal of Environmental Research and Public Health</i> , 18(12), 18 June 2021, doi: <a href="https://doi.org/10.3390/ijerph18126591">https://doi.org/10.3390/ijerph18126591</a> .
<b>LI Ran</b>	#LI Ran, LU Yaobin, MA Jifeng, WANG Weiquan, "Examining gifting behavior on live streaming platforms: An identity-based motivation model", <i>Information and Management</i> , 02 December 2020, doi: <a href="https://doi.org/10.1016/j.im.2020.103406">https://doi.org/10.1016/j.im.2020.103406</a> .
<b>LI Yangjun</b>	SHEN Xiaoliang, #LI Yangjun, SUN Yongqiang, WANG Feng, "Good for use, but better for choice: A relative model of competing social networking services", <i>Information &amp; Management</i> , 58(3), 27 February 2021, doi: <a href="https://doi.org/10.1016/j.im.2021.103448">https://doi.org/10.1016/j.im.2021.103448</a> .
<b>LIU Yan</b>	ZHANG Qiao, WANG Lijia, LI Gang, #LIU Yan, "A real-time energy management control strategy for battery and supercapacitor hybrid energy storage systems of pure electric vehicles", <i>Journal of Energy Storage</i> , 31, 03 August 2020, doi: <a href="https://doi.org/10.1016/j.est.2020.101721">https://doi.org/10.1016/j.est.2020.101721</a> .
<b>LU Angel</b>	#LU Angel, #HUI John, MAI Bo, KWOK Lam For, "Learning engagement through content creation: a case study", <i>International Journal of Innovation and Learning</i> , 29(3), 03 March 2021, pp 287-302, doi: <a href="https://doi.org/10.1504/IJIL.2021.114512">https://doi.org/10.1504/IJIL.2021.114512</a> .
	#LU Angel, WONG Crusher S K, CHEUNG Yun Hing Richard, IM Tarloff, "Supporting Flipped and Gamified Learning With Augmented Reality in Higher Education", <i>Frontiers in Education</i> , 6, 12 April 2021, doi: <a href="https://doi.org/10.3389/educ.2021.623745">https://doi.org/10.3389/educ.2021.623745</a> .
<b>WANG Panpan</b>	#WANG Panpan, HUANG Qian, DAVISON Robert M, "How do digital influencers affect social commerce intention? The roles of social power and satisfaction", <i>Information Technology &amp; People</i> , 30 July 2020, pp 1065-1086, doi: <a href="https://doi.org/10.1108/ITP-09-2019-0490">https://doi.org/10.1108/ITP-09-2019-0490</a> .

Section A: Publications of PhD Students

<b>WANG Qiping</b>	#WANG Qiping, LAU Yiu Keung Raymond, #YANG Kai, "Does the interplay between the personality traits of CEOs and CFOs influence corporate mergers and acquisitions intensity? An econometric analysis with machine learning-based constructs", <i>Decision Support Systems</i> , 139, 17 October 2020, doi: <a href="https://doi.org/10.1016/j.dss.2020.113424">https://doi.org/10.1016/j.dss.2020.113424</a> .
	#WANG Qiping, LAU Yiu Keung Raymond, XIE Hanran, "The impact of social executives on firms' mergers and acquisitions strategies: A difference-in-differences analysis", <i>Journal of Business Research</i> , 123, 14 October 2020, pp 343-354, doi: <a href="https://doi.org/10.1016/j.jbusres.2020.10.004">https://doi.org/10.1016/j.jbusres.2020.10.004</a> .
<b>YANG Kai</b>	#WANG Qiping, LAU Yiu Keung Raymond, #YANG Kai, "Does the interplay between the personality traits of CEOs and CFOs influence corporate mergers and acquisitions intensity? An econometric analysis with machine learning-based constructs", <i>Decision Support Systems</i> , 139, 17 October 2020, doi: <a href="https://doi.org/10.1016/j.dss.2020.113424">https://doi.org/10.1016/j.dss.2020.113424</a> .
<b>YANG Wei</b>	江旭, #YANG Wei, "二元学习、联盟管理实践转移与联盟成功", <i>管理评论</i> , 33(6), June 2021, doi: <a href="https://doi.org/10.14120/j.cnki.cn11-5057/f.2021.06.018">https://doi.org/10.14120/j.cnki.cn11-5057/f.2021.06.018</a> .
<b>ZHANG Yanming</b>	HUO Baofeng, WANG Kedi, #ZHANG Yanming, "The impact of leadership on supply chain green strategy alignment and operational performance", <i>Operations Management Research</i> , 29 March 2021, pp 152-165, doi: <a href="https://doi.org/10.1007/s12063-020-00175-8">https://doi.org/10.1007/s12063-020-00175-8</a> .
<b>Conference papers</b>	
<b>FAN Zhening</b>	ZHU Jiajian, LI Jin, #FAN Zhening, XIE Haizhu, WANG Lixin, HE Yuxin, LING Jing, "Non-Contact Detection of Vital Signs with a Hybrid Feature Extraction Method using a UWB Radar Sensor", <i>2021 IEEE 6th International Conference on Intelligent Computing and Signal Processing (ICSP)</i> , Xi'an, China, 09-11 April 2021, pp 1140-1144, (ISBN: 9780738143699,9780738143705,9781665404136).
<b>LI Shilei</b>	#LI Shilei, FENG Juan, "Is Data Ownership Empowerment Welfare-Enhancing?", <i>54th Hawaii International Conference on System Sciences (HICSS 2021)</i> , Kauai, United States, 04-08 January 2021, pp 6593-6598.
<b>LI Weixun</b>	#LI Weixun, LEUNG Chung Man Alvin, YUE Wei Thoo, "An Empirical Examination Of Is Governance Performance, It Material Weaknesses And Is Governance Practices", <i>Virtual 2020 INFORMS Annual Meeting</i> , Online, 07-13 November 2020.
<b>LU Angel</b>	LEI Chi-Un, MARK Kai Pan, LUK Wai To, #LU Angel, KEUNG Sharon, KWOK Tyrone T.O., LUO Jing, "Responsive Remote Teaching Capacity Building in Hong Kong During COVID-19", <i>Proceedings of 2020 IEEE International Conference on Teaching, Assessment, and Learning for Engineering (TALE)</i> , Virtual, Takamatsu, Japan, 08-11 December 2020, pp 640-645, (ISBN: 9781728169422,9781728169439).
<b>WANG Yunhui</b>	#WANG Yunhui, LIU Junming, FANG Yulin, "Live Streaming E-commerce: The Impact of the Intensity, Duration, and Phases of Peak Interaction on Sales Performance", <i>The 14th China Summer Workshop on Information Management (CISWIM)</i> , 26-28 June 2021.
<b>XU Junmin</b>	#XU Junmin, LEUNG Chung Man Alvin, YUE Wei Thoo, SU Qin, "Leveraging CSR-related knowledge for firm value: The role of IT-enabled absorptive capacities", <i>ICIS 2020 Proceedings - Making Digital Inclusive: Blending the Local and the Global</i> , Virtual, India, 13-16 December 2020, (ISBN: 9781733632553).
<b>XU Tong</b>	#XU Tong, LU Angela, MISHRA Abhay, SONG Lingqi, LIU Zengyan, "Racial Bias During "Black Lives Matter": How Social Movement Reshapes Airbnb Host Performance", <i>International Conference on Information Systems</i> .
<b>YAN Zhenbin</b>	#YAN Zhenbin, ANANTHAKRISHNAN Uttara Madurai, WANG Yingfei, TAN Yong, "How Do Different Types of Merchant Pictures Affect Online Market Performance? Investigating from the Picture Content and Composition Perspective", <i>INFORMS Conference on Information Systems and Technology (CIST 2020)</i> , Virtual, 07-08 November 2020.
	#YAN Zhenbin, ANANTHAKRISHNAN Uttara Madurai, WANG Yingfei, TAN Yong, "Content and Composition: Understanding The Impact of Merchant Pictures on Market Performance", <i>ICIS 2020 PROCEEDINGS</i> , Virtual, India, 13-16 December 2020, (ISBN: 978-1-7336325-5-3).
	#YAN Zhenbin, MENG Zixuan, TAN Yong, "How does Virtual Reality Matter? Evidence from an Online Real Estate Platform", <i>ICIS 2020 PROCEEDINGS</i> , Virtual, India, 13-16 December 2020, (ISBN: 978-1-7336325-5-3).

Section A: Publications of PhD Students

	# <u>YAN Zhenbin</u> , MENG Zixuan, TAN Yong, "Understanding the Impact of Virtual Reality on Sales: Empirical Evidence from an Online Real Estate Platform", <i>INFORMS Conference on Information Systems and Technology (CIST 2020)</i> , Virtual, 07-08 November 2020.
<b>YANG Kai</b>	# <u>YANG Kai</u> , <u>LAU Yiu Keung Raymond</u> , "ExeAnalyzer: A deep generative adversarial network for multimodal online impression analysis and startup funding prediction", <i>Proceedings of the 54th Annual Hawaii International Conference on System Sciences</i> , Kauai, United States, 04-08 January 2021, pp 2501-2510, (ISBN: 9780998133140). ZHANG Huakui, CAI Yi, ZHU Bingshan, ZHENG Changmeng, # <u>YANG Kai</u> , WONG Raymond Chi-Wing, LI Qing, "Incorporating Concept Information into Term Weighting Schemes for Topic Models", <i>Database Systems for Advanced Applications - 25th International Conference, DASFAA 2020, Proceedings</i> , Jeju, Korea, Republic of, 24-27 September 2020, pp 227-244, (ISBN: 9783030594152,9783030594169).
<b>YANG Wei</b>	# <u>YANG Wei</u> , <u>SIA Choon Ling</u> , "Success Factors in Micro-Celebrity Endorsement: The Role of Informational and Narrative Content in Product Recommendation", <i>HCI in Business, Government and Organizations - 7th International Conference, HCIBGO 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Proceedings</i> , virtual, Copenhagen, Denmark, 19-24 July 2020, pp 562-575, (ISBN: 978-3-030-50340-6,978-3-030-50341-3).
<b>ZHANG Xin</b>	# <u>ZHANG Xin</u> , <u>YUE Wei Thoo</u> , YU Yugang, "The Effect of User Privacy Concerns on Platform Competition in a Two-sided Market", <i>The 14th China Summer Workshop on Information Management (CSWIM 2021)</i> , 26-28 June 2021. # <u>ZHANG Xin</u> , <u>ZHANG Alan Ran</u> , <u>YUE Wei Thoo</u> , YU Yugang, "The More, the Better? The Impact of Data Analytics and Data Provisioning on Publisher Competition", <i>International Conference on Information Systems 2020 Proceedings - Making Digital Inclusive: Blending the Local and the Global</i> , Virtual, Hyderabad, India, 13-16 December 2020, (ISBN: 9781733632553).
<b>Patents, agreements, assignments and companies</b>	
<b>XU Ruiyun</b>	<u>ZHAO J Leon</u> , <u>CHEN Hailiang</u> , # <u>XU Ruiyun</u> , A System and Method for Conducting a Textual Data Search, Patent No.: US10,747,759, United States, 18 August 2020.
<b>All other outputs</b>	
<b>LI Yanyan</b>	# <u>LI Yanyan</u> , <i>Research on Corporate Political Activity in the Emerging Market and Its Influence on Innovation--Evidence from China</i> , PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 28 August 2020.
<b>MU Wen</b>	# <u>MU Wen</u> , <i>The Successful Commercialization of Emerging Technologies from a Multi-stakeholder Perspective: Empirical Evidence from Blockchain Technology</i> , PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 18 September 2020.
<b>WANG Qiping</b>	# <u>WANG Qiping</u> , <i>Multimodal Data Analytics for Mergers and Acquisitions Performance Analysis</i> , PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 14 September 2020.
<b>WANG Wen</b>	# <u>WANG Wen</u> , <i>Research on Physician's In-Role and Extra-Role System Usage Behaviors in Hospitals</i> , PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 24 February 2021.
<b>WANG Youying</b>	# <u>WANG Youying</u> , <i>Conceptualizing Social Media-enabled Fragmented Learning of Employees and Exploring Its Antecedents and Consequences</i> , PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 04 June 2021.
<b>XU Ruiyun</b>	# <u>XU Ruiyun</u> , <i>Leveraging Knowledge Graph for Intelligent Business Information Search</i> , PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 06 July 2020.
<b>YANG Kai</b>	# <u>YANG Kai</u> , <i>A Generative Deep Learning Framework for Detecting Senior Executives' Characteristics and Its Fintech Applications</i> , PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 21 August 2020.
<b>ZHU Xinyu</b>	# <u>ZHU Xinyu</u> , <i>Healthcare Analytics and Applications: Impact of Information Technology on Service Quality</i> , PhD Thesis, Department of Information Systems, City University of Hong Kong, Hong Kong, PRC, 06 July 2020.
<b>DEPARTMENT OF MANAGEMENT</b>	
<b>Journal publications</b>	

Section A: Publications of PhD Students

<b>UGWUANYI Priscilla</b>	<b>Ijeoma</b>	<u>KIM Kyoung Yong</u> , <u>ATWATER Leanne</u> , <u>JOLLY Phillip</u> , <u>#UGWUANYI Ijeoma Priscilla</u> , <u>BAIK Kibok</u> , <u>YU Jia</u> , "Supportive leadership and job performance: Contributions of supportive climate, team-member exchange (TMX), and group-mean TMX", <i>Journal of Business Research</i> , 134, 17 June 2021, pp 661-674, doi: <a href="https://doi.org/10.1016/j.jbusres.2021.06.011">https://doi.org/10.1016/j.jbusres.2021.06.011</a> .
<b>ZHAO Shifang</b>		<u>#ZHAO Shifang</u> , <u>JIANG Xu</u> , <u>YING Qianwei</u> , <u>#HUO Da</u> , "股权激励能抑制高管的急功近利倾向吗——基于企业创新的视角", <i>南开管理评论</i> , 23(6 (总第 135)), 08 December 2020, pp 76-87.
<b>Conference papers</b>		
<b>UGWUANYI Priscilla</b>	<b>Ijeoma</b>	<u>KIM Kyoung Yong</u> , <u>#UGWUANYI Ijeoma Priscilla</u> , "The Hidden Benefits of Social Distancing in the Workplace: Social Distancing Reduces Negative Affective Relationships", <i>2020 Academy of International Business Southeast Asia Regional (AIBSEAR) Conference</i> , Virtual/Hang Seng University of Hong Kong (Hybrid), Hong Kong, 03-05 December 2020.
<b>DEPARTMENT OF MANAGEMENT SCIENCES</b>		
<b>Journal publications</b>		
<b>CHEN Wenhao</b>		<u>#CHEN Wenhao</u> , <u>LAI Kin Keung</u> , <u>CAI Yi</u> , "Exploring public mood toward commodity markets: a comparative study of user behavior on Sina Weibo and Twitter", <i>Internet Research</i> , 31(3), 12 November 2020, pp 1102-1119, doi: <a href="https://doi.org/10.1108/INTR-02-2020-0055">https://doi.org/10.1108/INTR-02-2020-0055</a> .
<b>LI Yi</b>		<u>ZHANG Jianru</u> , <u>#LI Yi</u> , <u>GUO Ju'e</u> , <u>LAI Kin Keung</u> , "Salesforce contracting under model uncertainty", <i>Operations Research Letters</i> , 49(4), 17 May 2021, pp 496-500, doi: <a href="https://doi.org/10.1016/j.orl.2021.05.008">https://doi.org/10.1016/j.orl.2021.05.008</a> . <u>#LI Yi</u> , <u>SHOU Biyang</u> , "Managing supply risk: Robust procurement strategy for capacity improvement", <i>Omega (United Kingdom)</i> , 102, 21 October 2020, doi: <a href="https://doi.org/10.1016/j.omega.2020.102352">https://doi.org/10.1016/j.omega.2020.102352</a> .
<b>PUYANG Xiaojuan</b>		<u>#PUYANG Xiaojuan</u> , <u>ZHONG Ying</u> , "Asymptotic efficiency analysis on the modified Paulson's procedure with a PAC guarantee", <i>Operations Research Letters</i> , 49(1), 12 November 2020, pp 35-39, doi: <a href="https://doi.org/10.1016/j.orl.2020.11.004">https://doi.org/10.1016/j.orl.2020.11.004</a> .
<b>QI Linggang</b>		<u>LIU Jue</u> , <u>PANG Zhan</u> , <u>#QI Linggang</u> , "Dynamic pricing and inventory management with demand learning: A bayesian approach", <i>Computers and Operations Research</i> , 124, 18 August 2020, doi: <a href="https://doi.org/10.1016/j.cor.2020.105078">https://doi.org/10.1016/j.cor.2020.105078</a> .
<b>SU Xinxin</b>		<u>QIN Hu</u> , <u>#SU Xinxin</u> , <u>LI Guoxin</u> , <u>JIN Xin</u> , <u>YU Mingzhu</u> , "A Simulation Based Meta-heuristic Approach for the Inbound Container Housekeeping Problem in the Automated Container Terminals", <i>Maritime Policy and Management</i> , 17 June 2021, doi: <a href="https://doi.org/10.1080/03088839.2021.1934582">https://doi.org/10.1080/03088839.2021.1934582</a> . <u>QIN Hu</u> , <u>#SU Xinxin</u> , <u>REN Teng</u> , <u>LUO Zhixing</u> , "A review on the electric vehicle routing problems: Variants and algorithms", <i>Frontiers of Engineering Management</i> , 19 May 2021, doi: <a href="https://doi.org/10.1007/s42524-021-0157-1">https://doi.org/10.1007/s42524-021-0157-1</a> .
<b>WANG Jiayun</b>		<u>#WANG Jiayun</u> , <u>SHUM Stephen Wan Hang</u> , <u>FENG Gengzhong</u> , "Supplier's pricing strategy in the presence of consumer reviews", <i>European Journal of Operational Research</i> , 16 April 2021, doi: <a href="https://doi.org/10.1016/j.ejor.2021.04.008">https://doi.org/10.1016/j.ejor.2021.04.008</a> .
<b>WANG Ruibing</b>		<u>ZHENG Rui</u> , <u>#WANG Ruibing</u> , <u>YANG Chao</u> , "How consumer valuation heterogeneity impacts firms' profit: Peer influence makes a difference", <i>Computers and Industrial Engineering</i> , 149, 17 September 2020, doi: <a href="https://doi.org/10.1016/j.cie.2020.106846">https://doi.org/10.1016/j.cie.2020.106846</a> .
<b>XIONG Xing</b>		<u>LI Lingyue</u> , <u>GAO Suixiang</u> , <u>YANG Wenguo</u> , <u>#XIONG Xing</u> , "Assessment and improvement of EPA's penalty policy: From the perspective of governments' and ships' behaviors", <i>Transport Policy</i> , 104, 13 February 2021, pp 18-28, doi: <a href="https://doi.org/10.1016/j.tranpol.2021.02.004">https://doi.org/10.1016/j.tranpol.2021.02.004</a> .
<b>Conference papers</b>		
<b>WU Chi Wai</b>		<u>#WU Chi Wai</u> , "The Use of Statistics Techniques in Hospitality Research - Using Cornell Hospitality Quarterly (CQ) as a Case Study", <i>2020 International Postgraduate Symposium in Tourism and Hospitality</i> , Virtual, 20-21 November 2020, pp 12.
<b>All other outputs</b>		
<b>LI Qiuya</b>		<u>#LI Qiuya</u> , <i>Data-Driven Studies of Interviewers Productivity for Outbound Call Centers</i> , PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 22 December 2020.

Section A: Publications of PhD Students

<b>LI Yi</b>	# <u>LI Yi</u> , <i>Research on the Sourcing Strategies of Firms under Supply Risk in Different Situations</i> , PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 25 May 2021.
<b>LIN Shaochong</b>	# <u>LIN Shaochong</u> , <i>Data-Driven New Product Procurement: Machine Learning and Risk Control</i> , PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 31 August 2020.
<b>NING Yina</b>	# <u>NING Yina</u> , <i>Joint Advertising and Pricing Optimization for E-commerce Platform: Learning and Optimal Control with Long-run Average Objectives</i> , PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 05 March 2021.
<b>PUYANG Xiaojuan</b>	# <u>PUYANG Xiaojuan</u> , <i>Mitigating Uncertainty in Digital Era: Dynamic Pricing and Return Policies with Consumer Pre-purchase Evaluation</i> , PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 21 January 2021.
<b>WANG Ruibing</b>	# <u>WANG Ruibing</u> , <i>Optimal Promotion Mix and Product Announcement Strategy with Consumer Valuation Uncertainty</i> , PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 24 September 2020.
<b>YANG Yang</b>	# <u>YANG Yang</u> , <i>Two Essays on Dynamic Decision Making in Healthcare Operations Management</i> , PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 15 March 2021.
<b>YUAN Zhennan</b>	# <u>YUAN Zhennan</u> , <i>The Implications of Yield Uncertainty and Behavioral Factors on Production and Inventory Management</i> , PhD Thesis, Department of Management Sciences, City University of Hong Kong, Hong Kong, PRC, 25 August 2020.
<b>DEPARTMENT OF MARKETING</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>ALAUDDIN Md</b>	# <u>ALAUDDIN Md</u> , <u>DIPU S. M. Mokaddes Ahmed</u> , <u>UDDIN Mohammad Rahim</u> , "Tourism Products and Services in Bangladesh - Challenges and Suggestions", <i>Tourism Products and Services in Bangladesh - Concept Analysis and Development Suggestions</i> , Hassan Azizul (ed), Springer, Singapore, ISBN: 978-981-33-4278-1,978-981-33-4279-8,978-981-33-4281-1, 17 March 2021, pp 445-459.
	# <u>ALAUDDIN Md</u> , <u>Li Juan Julie</u> , <u>CHOWDHURY Md. Asad Iqbal</u> , "General Medical Tourism Products and Services in Bangladesh", <i>Tourism Products and Services in Bangladesh - Concept Analysis and Development Suggestions</i> , Hassan Azizul (ed), Springer, Singapore, ISBN: 978-981-33-4281-1,978-981-334-278-1,978-981-334-279-8, 17 March 2021, pp 27-44.
	<u>UDDIN Mohammad Rahim</u> , # <u>ALAUDDIN Md</u> , "Discussions on Future of Tourism in Bangladesh", <i>Tourism Products and Services in Bangladesh - Concept Analysis and Development Suggestions</i> , Hassan Azizul (ed), Springer, Singapore, ISBN: 978-981-33-4281-1,978-981-334-278-1,978-981-334-279-8, 17 March 2021, pp 463-479.
	<u>AKHTER Nazmoon</u> , <u>HASSAN Azizul</u> , # <u>ALAUDDIN Md</u> , "Visa and Immigration for Tourists in Bangladesh", <i>Tourism Policy and Planning in Bangladesh</i> , Hassan Azizul and Rahman Muhammad Shoeb-Ur- (eds), Springer, Singapore, ISBN: 978-981-15-7013-1,978-981-15-7014-8,978-981-15-7016-2, 18 November 2020, pp 105-120.
<b>FAN Yajing</b>	# <u>ROY Mallika</u> , # <u>FAN Yajing</u> , <u>BISWAS Bablo</u> , "Economic Contribution of Tourism in Bangladesh - Capital Investment Perspective", <i>Tourism Marketing in Bangladesh - An Introduction</i> , Edition 1st, Hassan Azizul (ed), Routledge, ISBN: 9780367440428,9780367440428,9781000193183, 21 October 2020, pp 223-237.
<b>Journal publications</b>	
<b>FAN Yajing</b>	# <u>FAN Yajing</u> , <u>ZHANG Feng</u> , <u>ZHU Lei</u> , "Do family firms invest more in pollution prevention strategy than non-family firms? An integration of agency and institutional theories", <i>Journal of Cleaner Production</i> , 286, 09 November 2020, doi: <a href="https://doi.org/10.1016/j.jclepro.2020.124988">https://doi.org/10.1016/j.jclepro.2020.124988</a> .
<b>FENG Chao</b>	<u>LI Ruqi</u> , <u>ZHUANG Guijun</u> , # <u>FENG Chao</u> , "渠道合作情境下合同双元功能对主动和被动投机行为的影响差异研究", <i>商业经济与管理</i> , (9 (总第 347 期)), September 2020, pp 33-44, doi: <a href="https://doi.org/10.14134/j.cnki.cn33-1336/f.2020.09.003">https://doi.org/10.14134/j.cnki.cn33-1336/f.2020.09.003</a> .
	<u>LU Tingyu</u> , <u>ZHUANG Guijun</u> , # <u>FENG Chao</u> , <u>LI Ruqi</u> , "网络交互策略如何提高企业的跨组织治理效力? ——TTF 匹配效应检验", <i>管理世界</i> , 36(9), September 2020, pp 202-216, XVI.

Section A: Publications of PhD Students

<b>KAKUDA Nakaya</b>	LU Yue, WANG Zhanqing, YANG Defeng, #KAKUDA Nakaya, "To be or not to be equal: the impact of pride on brands associated with dissociative out-groups", <i>Journal of Product and Brand Management</i> , 12 May 2021, doi: <a href="https://doi.org/10.1108/JPBM-05-2020-2889">https://doi.org/10.1108/JPBM-05-2020-2889</a> .
<b>PAN Haibo</b>	WANG Xiaoyan, #PAN Haibo, #ZHU Nibing, CAI Shaohan, "East Asian films in the European market: the roles of cultural distance and cultural specificity", <i>International Marketing Review</i> , 09 July 2020, doi: <a href="https://doi.org/10.1108/IMR-01-2019-0045">https://doi.org/10.1108/IMR-01-2019-0045</a> .
<b>REN Yeyao</b>	ZHANG Liang, ZHANG Zhe, JIA Ming, #REN Yeyao, "A tiger with wings: CEO-board surname ties and agency costs", <i>Journal of Business Research</i> , 118, 07 July 2020, pp 271-285, doi: <a href="https://doi.org/10.1016/j.jbusres.2020.06.026">https://doi.org/10.1016/j.jbusres.2020.06.026</a> .
<b>SHAN Shuo</b>	SHOU Yongyi , #SHAN Shuo, CHEN Anlan, CHENG Yang, BOER Harry, "Aspirations and environmental performance feedback: a behavioral perspective for green supply chain management", <i>International Journal of Operations and Production Management</i> , 40(6), 02 September 2020, pp 729-751, doi: <a href="https://doi.org/10.1108/IJOPM-11-2019-0756">https://doi.org/10.1108/IJOPM-11-2019-0756</a> .
<b>SU Xiaolei</b>	ZHU Wenting, SHOU Zhigang, #SU Xiaolei, #XIA Qinying, "Gift type, <i>guanxi</i> , and gift acceptability in Chinese business circles: The mediating effects of perceived manipulation and face threat", <i>Industrial Marketing Management</i> , 98, 06 March 2021, pp 17-27, doi: <a href="https://doi.org/10.1016/j.indmarman.2021.02.008">https://doi.org/10.1016/j.indmarman.2021.02.008</a> .
<b>SUN He</b>	YU Chengke, YANG Haibin, #SUN He, LIN Zhiang, "Rivals or Collaborators? Relational Ambidexterity and Absorption Speed", <i>Journal of Management</i> , 11 June 2021, doi: <a href="https://doi.org/10.1177/01492063211021141">https://doi.org/10.1177/01492063211021141</a> .
<b>ZHU Nibing</b>	WANG Xiaoyan, #PAN Haibo, #ZHU Nibing, CAI Shaohan, "East Asian films in the European market: the roles of cultural distance and cultural specificity", <i>International Marketing Review</i> , 09 July 2020, doi: <a href="https://doi.org/10.1108/IMR-01-2019-0045">https://doi.org/10.1108/IMR-01-2019-0045</a> .
<b>Conference papers</b>	
<b>CAI Yishu</b>	#CAI Yishu, #LIN Fangwen, YANG Haibin, "An Unintended Spillover: Political Social Movement and Corporate Social Responsiveness", <i>Academy of Management Proceedings</i> , Online Meeting, 07-11 August 2020, (ISBN: 0065-0668,2151-6561).
<b>LIN Fangwen</b>	#CAI Yishu, #LIN Fangwen, YANG Haibin, "An Unintended Spillover: Political Social Movement and Corporate Social Responsiveness", <i>Academy of Management Proceedings</i> , Online Meeting, 07-11 August 2020, (ISBN: 0065-0668,2151-6561).
<b>All other outputs</b>	
<b>FENG Chao</b>	#FENG Chao, <i>A Study on Firm Internet-Interactive Capability in Interorganizational Cooperative Relationships</i> , PhD Thesis, Department of Marketing, City University of Hong Kong, Hong Kong, PRC, 16 October 2020.
<b>LI Qixing</b>	#LI Qixing, <i>Effect of Brand-Content Connection on the Effectiveness of Native Advertising</i> , PhD Thesis, Department of Marketing, City University of Hong Kong, Hong Kong, PRC, 27 August 2020.
<b>QI Xueqing</b>	#QI Xueqing, <i>Toward a New Perspective in the Marketing-Finance Interface - Studies on Marketing's Impact on Firm Performance</i> , PhD Thesis, Department of Marketing, City University of Hong Kong, Hong Kong, PRC, 15 September 2020.
<b>SHAN Shuo</b>	#SHAN Shuo, Excellent Postgraduate, Zhejiang University, 2020.
<b>WANG Peng</b>	#WANG Peng, <i>Research on International Joint Venture Dissolution in Emerging Economies</i> , PhD Thesis, Department of Marketing, City University of Hong Kong, Hong Kong, PRC, 10 July 2020.
<b>WANG Qingtao</b>	#WANG Qingtao, <i>Marketing in the Digital Era: The Implication on Organizational Performance and Channel Cooperation</i> , PhD Thesis, Department of Marketing, City University of Hong Kong, Hong Kong, PRC, 21 August 2020.
<b>ZHU Nibing</b>	#ZHU Nibing, <i>Research Collaboration in the Social Network: The Implication on Research Performance in the Field of Business</i> , PhD Thesis, Department of Marketing, City University of Hong Kong, Hong Kong, PRC, 04 June 2021.
<b>DEPARTMENT OF ADVANCED DESIGN AND SYSTEMS ENGINEERING</b>	
<b>Journal publications</b>	
<b>CHEN Liqun</b>	#CHEN Liqun, LI Hanxiong, YANG Hai Dong, "Spatiotemporal Modeling for Distributed Parameter System under Sparse Sensing", <i>Industrial &amp; Engineering Chemistry Research</i> , 59(37), 26 August 2020, pp 16321-16329, doi: <a href="https://doi.org/10.1021/acs.iecr.0c02120">https://doi.org/10.1021/acs.iecr.0c02120</a> .

Section A: Publications of PhD Students

	#CHEN Liqun, LI Hanxiong, XIE Shengli, "Modified High-Order SVD for Spatiotemporal Modeling of Distributed Parameter Systems", <i>IEEE Transactions on Industrial Electronics</i> , 03 May 2021, doi: <a href="https://doi.org/10.1109/TIE.2021.3075882">https://doi.org/10.1109/TIE.2021.3075882</a> .
<b>GHAFOOR Imran</b>	#GHAFOOR Imran, TSE Wai Tat Peter, ROSTAMI Javad, #NG Kim Ming, "Non-Contact Inspection of Railhead via Laser-Generated Rayleigh Waves and an Enhanced Matching Pursuit to Assist Detection of Surface and Subsurface Defects", <i>Sensors</i> , 21(9), 24 April 2021, doi: <a href="https://doi.org/10.3390/s21092994">https://doi.org/10.3390/s21092994</a> .
<b>HOU Zeyu</b>	#HOU Zeyu, ROSTAMI Javad, #NG Kim Ming, TSE Wai Tat Peter, "Experimental Investigation on Choosing a Proper Sensor System for Guided Waves to Check the Integrity of Seven-Wire Steel Strands", <i>Sensors (Switzerland)</i> , 20(18), 04 September 2020, doi: <a href="https://doi.org/10.3390/s20185025">https://doi.org/10.3390/s20185025</a> .
<b>HUO Da</b>	#ZHAO Shifang, JIANG Xu, YING Qianwei, #HUO Da, "股权激励能抑制高管的急功近利倾向吗——基于企业创新的视角", <i>南开管理评论</i> , 23(6 (总第 135)), 08 December 2020, pp 76-87.
<b>JIANG Shicong</b>	#JIANG Shicong, DANG Chuangyin, "A more efficient deterministic annealing neural network algorithm for the max-bisection problem", <i>Neurocomputing</i> , 458, 19 June 2021, pp 428-439, doi: <a href="https://doi.org/10.1016/j.neucom.2021.06.050">https://doi.org/10.1016/j.neucom.2021.06.050</a> .
<b>LI Peixuan</b>	#LI Peixuan, SHEN Yuan, JIANG Suhong, LIU Zehua, CHEN Caihua, "Convergence study on strictly contractive Peaceman–Rachford splitting method for nonseparable convex minimization models with quadratic coupling terms", <i>Computational Optimization and Applications</i> , 78(1), 03 October 2020, pp 87–124, doi: <a href="https://doi.org/10.1007/s10589-020-00229-4">https://doi.org/10.1007/s10589-020-00229-4</a> .
<b>LI Peng</b>	#LI Peng, DANG Wei, LYU Congmin, XIE Min, BAO Quanyang, JI Xiaofeng, ZHOU Jianhua, "Reliability Characterization and Failure Prediction of 3D TLC SSDs in Large-scale Storage Systems", <i>IEEE Transactions on Device and Materials Reliability</i> , 02 March 2021, doi: <a href="https://doi.org/10.1109/TDMR.2021.3063164">https://doi.org/10.1109/TDMR.2021.3063164</a> .
<b>LI Yanwen</b>	#ZHAO Xuan, FAN Tingxiang, #LI Yanwen, ZHENG Yu, PAN Jia, "An Efficient and Responsive Robot Motion Controller for Safe Human-Robot Collaboration", <i>IEEE Robotics and Automation Letters</i> , 6(3), 09 June 2021, pp 6068-6075, doi: <a href="https://doi.org/10.1109/LRA.2021.3088091">https://doi.org/10.1109/LRA.2021.3088091</a> .
<b>MAGED Ahmed</b>	HARIDY Salah, #MAGED Ahmed, BAKER Arthur W., SHAMSUZZAMAN Mohammad, BASHIR Hamdi, XIE Min, "Monitoring scheme for early detection of coronavirus and other respiratory virus outbreaks", <i>Computers &amp; Industrial Engineering</i> , 156, 16 March 2021, doi: <a href="https://doi.org/10.1016/j.cie.2021.107235">https://doi.org/10.1016/j.cie.2021.107235</a> .
<b>MENG Xiangcheng</b>	#MENG Xiangcheng, CHAN Hoi Shou Alan, "Current states and future trends in safety research of construction personnel: A quantitative analysis based on social network approach", <i>International Journal of Environmental Research and Public Health</i> , 18(3), 20 January 2021, doi: <a href="https://doi.org/10.3390/ijerph18030883">https://doi.org/10.3390/ijerph18030883</a> . #MENG Xiangcheng, CHAN Hoi Shou Alan, LUI Lester K.H., FANG Yongle, "Effects of individual and organizational factors on safety consciousness and safety citizenship behavior of construction workers: A comparative study between Hong Kong and Mainland China", <i>Safety Science</i> , 135, 10 December 2020, doi: <a href="https://doi.org/10.1016/j.ssci.2020.105116">https://doi.org/10.1016/j.ssci.2020.105116</a> .
<b>NG Kim Ming</b>	#HOU Zeyu, ROSTAMI Javad, #NG Kim Ming, TSE Wai Tat Peter, "Experimental Investigation on Choosing a Proper Sensor System for Guided Waves to Check the Integrity of Seven-Wire Steel Strands", <i>Sensors (Switzerland)</i> , 20(18), 04 September 2020, doi: <a href="https://doi.org/10.3390/s20185025">https://doi.org/10.3390/s20185025</a> . #GHAFOOR Imran, TSE Wai Tat Peter, ROSTAMI Javad, #NG Kim Ming, "Non-Contact Inspection of Railhead via Laser-Generated Rayleigh Waves and an Enhanced Matching Pursuit to Assist Detection of Surface and Subsurface Defects", <i>Sensors</i> , 21(9), 24 April 2021, doi: <a href="https://doi.org/10.3390/s21092994">https://doi.org/10.3390/s21092994</a> . #MASURKAR Faez Aziz, #NG Kim Ming, TSE Wai Tat Peter, YELVE Nitesh P, "Interrogating the health condition of rails using the narrowband Rayleigh waves emitted by an innovative design of non-contact laser transduction system", <i>Structural Health Monitoring</i> , 02 November 2020, doi: <a href="https://doi.org/10.1177/1475921720967600">https://doi.org/10.1177/1475921720967600</a> .



Section A: Publications of PhD Students

<b>NIE Ruxin</b>	#NIE Ruxin, TIAN Zhang-peng, <u>CHIN Kwai Sang</u> , WANG Jian-qiang, "Implementing healthcare service quality enhancement using a cloud-support QFD model integrated with TODIM method and linguistic distribution assessments", <i>Journal of the Operational Research Society</i> , 06 November 2020, doi: <a href="https://doi.org/10.1080/01605682.2020.1824554">https://doi.org/10.1080/01605682.2020.1824554</a> .
<b>SU Zicheng</b>	#SU Zicheng, <u>CHOW Andy</u> , ZHONG Renxin, "Adaptive network traffic control with an integrated model-based and data-driven approach and a decentralised solution method", <i>Transportation Research Part C: Emerging Technologies</i> , 128, 21 May 2021, doi: <a href="https://doi.org/10.1016/j.trc.2021.103154">https://doi.org/10.1016/j.trc.2021.103154</a> .
	<u>CHOW Andy</u> , #SU Zicheng, LIANG E.M., ZHONG R.X., "Adaptive signal control for bus service reliability with connected vehicle technology via reinforcement learning", <i>Transportation Research Part C: Emerging Technologies</i> , 129, 24 June 2021, doi: <a href="https://doi.org/10.1016/j.trc.2021.103264">https://doi.org/10.1016/j.trc.2021.103264</a> .
<b>SUN Yangyang</b>	#SUN Yangyang, <u>DANG Chuangyin</u> , FENG Gengzhong, "Optimal versioning strategies for software firms in the competitive environment", <i>International Journal of Production Research</i> , 23 October 2020, doi: <a href="https://doi.org/10.1080/00207543.2020.1828641">https://doi.org/10.1080/00207543.2020.1828641</a> .
<b>TAO Yidan</b>	#TAO Yidan, <u>LI Hanxiong</u> , ZHU LiMin, "Time/Space-Separation-Based Gaussian Process Modeling for the Cross-Coupling Effect of a 2-DOF Nanopositioning Stage", <i>IEEE/ASME Transactions on Mechatronics</i> , 26(4), 28 October 2020, pp 2186-2194, doi: <a href="https://doi.org/10.1109/TMECH.2020.3034315">https://doi.org/10.1109/TMECH.2020.3034315</a> .
<b>WANG Yu</b>	#WANG Yu, <u>SUN Hongyi</u> , JIA Tao, CHEN Jinliang, "The impact of buyer–supplier interaction on ambidextrous innovation and business performance: the moderating role of competitive environment", <i>International Journal of Logistics Management</i> , 32(2), 01 February 2021, pp 673-695, doi: <a href="https://doi.org/10.1108/IJLM-05-2019-0141">https://doi.org/10.1108/IJLM-05-2019-0141</a> .
	ZHAO Tengyuan, #WANG Yu, XU Ling, "Efficient CPT locations for characterizing spatial variability of soil properties within a multilayer vertical cross-section using information entropy and Bayesian compressive sensing", <i>Computers and Geotechnics</i> , 137, 09 June 2021, doi: <a href="https://doi.org/10.1016/j.compgeo.2021.104260">https://doi.org/10.1016/j.compgeo.2021.104260</a> .
<b>WONG Ka Po</b>	CHEN Zhou, FEI Xianyun, GAO Xiangwei, WANG Xiaoxue, ZHAO Huimin, #WONG Ka Po, <u>TSOU Jin Yeu</u> , ZHANG Yuanzhi, "The Influence of CLBP Window Size on Urban Vegetation Type Classification Using High Spatial Resolution Satellite Images", <i>Remote Sensing</i> , 12(20), 16 October 2020, doi: <a href="https://doi.org/10.3390/rs12203393">https://doi.org/10.3390/rs12203393</a> .
	#WONG Ka Po, LEE Fion Choi Hung, TEH Pei-Lee, <u>CHAN Hoi Shou Alan</u> , "The Interplay of Socioecological Determinants of Work–Life Balance, Subjective Wellbeing and Employee Wellbeing", <i>International Journal of Environmental Research and Public Health</i> , 18(9), 24 April 2021, doi: <a href="https://doi.org/10.3390/ijerph18094525">https://doi.org/10.3390/ijerph18094525</a> .
	YAO Yibing, ZHANG Yuyang, YAO Taoyu, #WONG Ka Po, <u>TSOU Jin Yeu</u> , ZHANG Yuanzhi, "A GIS-Based System for Spatial-Temporal Availability Evaluation of the Open Spaces Used as Emergency Shelters: The Case of Victoria, British Columbia, Canada", <i>ISPRS International Journal of Geo-Information</i> , 10(2), 02 February 2021, doi: <a href="https://doi.org/10.3390/ijgi10020063">https://doi.org/10.3390/ijgi10020063</a> .
	FENG Jiajun, ZHANG Yuanzhi, CHENG Qiuming, #WONG Ka Po, LI Yu, <u>TSOU Jin Yeu</u> , "Effect of Melt Ponds Fraction on Sea Ice Anomalies in the Arctic Ocean", <i>International Journal of Applied Earth Observation and Geoinformation</i> , 98, 27 January 2021, doi: <a href="https://doi.org/10.1016/j.jag.2021.102297">https://doi.org/10.1016/j.jag.2021.102297</a> .
<b>WU Zhiying</b>	#WU Zhiying, REN Wei, XIONG Junlin, <u>XIE Min</u> , "Parallel-triggered observer-based output feedback stabilization of linear systems", <i>IFAC-PapersOnLine</i> , 53(2), November 2020, pp 4428-4433, doi: <a href="https://doi.org/10.1016/j.ifacol.2020.12.392">https://doi.org/10.1016/j.ifacol.2020.12.392</a> .
	#WU Zhiying, XIONG Junlin, <u>XIE Min</u> , "Improved event-triggered control for networked control systems subject to deception attacks", <i>Journal of the Franklin Institute</i> , 358(4), 09 January 2021, pp 2229-2252, doi: <a href="https://doi.org/10.1016/j.jfranklin.2020.12.018">https://doi.org/10.1016/j.jfranklin.2020.12.018</a> .
	#WU Zhiying, XIONG Junlin, <u>XIE Min</u> , "Dynamic event-triggered $L_\infty$ control for networked control systems under deception attacks: a switching method", <i>Information Sciences</i> , 561, 05 February 2021, pp 168-180, doi: <a href="https://doi.org/10.1016/j.ins.2021.01.076">https://doi.org/10.1016/j.ins.2021.01.076</a> .
<b>YANG Jinzhao</b>	#YANG Jinzhao, <u>TSE Wai Tat Peter</u> , "Sparse representation of complex steerable pyramid for machine fault diagnosis by using non-contact video motion to replace conventional

Section A: Publications of PhD Students

	accelerometers", <i>Measurement</i> , 175, 07 February 2021, doi: <a href="https://doi.org/10.1016/j.measurement.2021.109104">https://doi.org/10.1016/j.measurement.2021.109104</a> .
<b>YING Chengshuo</b>	# <a href="#">YING Chengshuo</a> , <a href="#">CHOW Andy</a> , <a href="#">WANG Yi-Hui</a> , <a href="#">CHIN Kwai Sang</a> , "Adaptive Metro Service Schedule and Train Composition With a Proximal Policy Optimization Approach Based on Deep Reinforcement Learning", <i>IEEE Transactions on Intelligent Transportation Systems</i> , 11 March 2021, doi: <a href="https://doi.org/10.1109/TITS.2021.3063399">https://doi.org/10.1109/TITS.2021.3063399</a> .
	# <a href="#">YING Chengshuo</a> , <a href="#">CHOW Andy</a> , <a href="#">CHIN Kwai Sang</a> , "An actor-critic deep reinforcement learning approach for metro train scheduling with rolling stock circulation under stochastic demand", <i>Transportation Research Part B: Methodological</i> , 140, 08 September 2020, pp 210-235, doi: <a href="https://doi.org/10.1016/j.trb.2020.08.005">https://doi.org/10.1016/j.trb.2020.08.005</a> .
	<a href="#">LIN Meiyang</a> , <a href="#">MA Lijun</a> , # <a href="#">YING Chengshuo</a> , "Matching daily home health-care demands with supply in service-sharing platforms", <i>Transportation Research Part E: Logistics and Transportation Review</i> , 145, 29 December 2020, doi: <a href="https://doi.org/10.1016/j.tre.2020.102177">https://doi.org/10.1016/j.tre.2020.102177</a> .
<b>YU Wing Lam</b>	# <a href="#">YU Wing Lam</a> , <a href="#">CHAN Hoi Shou Alan</a> , "Meta-analysis of the effects of game types and devices on older adults-video game interaction: Implications for video game training on cognition", <i>Applied Ergonomics</i> , 96, 06 June 2021, doi: <a href="https://doi.org/10.1016/j.apergo.2021.103477">https://doi.org/10.1016/j.apergo.2021.103477</a> .
<b>ZHANG Ping</b>	# <a href="#">ZHANG Ping</a> , <a href="#">XIE Min</a> , <a href="#">ZHU Xiaoyan</a> , "Exploiting structural similarity in network reliability analysis using graph learning", <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 09 April 2021, doi: <a href="https://doi.org/10.1177/1748006X211009329">https://doi.org/10.1177/1748006X211009329</a> .
	<a href="#">ZHU Xiaoyan</a> , # <a href="#">ZHANG Ping</a> , <a href="#">XIE Min</a> , "A Joint Long Short-Term Memory and AdaBoost regression approach with application to remaining useful life estimation", <i>Measurement: Journal of the International Measurement Confederation</i> , 170, 12 November 2020, doi: <a href="https://doi.org/10.1016/j.measurement.2020.108707">https://doi.org/10.1016/j.measurement.2020.108707</a> .
<b>ZHOU Yu</b>	# <a href="#">ZHOU Yu</a> , <a href="#">LI Hanxiong</a> , <a href="#">XIE Shengli</a> , "Fast Modeling of Battery Thermal Dynamics Based on Spatio-temporal Adaptation", <i>IEEE Transactions on Industrial Informatics</i> , 08 April 2021, doi: <a href="https://doi.org/10.1109/TII.2021.3071775">https://doi.org/10.1109/TII.2021.3071775</a> .
	# <a href="#">ZHOU Yu</a> , <a href="#">WANG Bingchuan</a> , <a href="#">LI Hanxiong</a> , <a href="#">YANG Hai-Dong</a> , <a href="#">LIU Zhi</a> , "A Surrogate-Assisted Teaching-Learning-Based Optimization for Parameter Identification of The Battery Model", <i>IEEE Transactions on Industrial Informatics</i> , 17(9), 18 November 2020, pp 5909-5918, doi: <a href="https://doi.org/10.1109/TII.2020.3038949">https://doi.org/10.1109/TII.2020.3038949</a> .
	# <a href="#">ZHOU Yu</a> , <a href="#">DENG Hua</a> , <a href="#">LI Hanxiong</a> , <a href="#">XIE Shengli</a> , "Dual Separation-based Spatio-temporal Modeling Methodology for Battery Thermal Process Under Non-homogeneous Boundary Conditions", <i>IEEE Transactions on Transportation Electrification</i> , 23 February 2021, doi: <a href="https://doi.org/10.1109/TTE.2021.3061426">https://doi.org/10.1109/TTE.2021.3061426</a> .
<b>Conference papers</b>	
<b>HE Kangzhe</b>	<a href="#">LIU Bin</a> , # <a href="#">HE Kangzhe</a> , <a href="#">XIE Min</a> , "Integrated production and maintenance planning for a deteriorating system under uncertain demands", <i>4<sup>th</sup> IFAC Workshop on Advanced Maintenance Engineering, Services and Technologies - AMEST 2020 - PROCEEDINGS</i> , Cambridge, United Kingdom, 10-11 September 2020, pp 222-226.
<b>HOU Zeyu</b>	<a href="#">ROSTAMI Javad</a> , # <a href="#">MASURKAR Faez Aziz</a> , <a href="#">TSE Wai Tat Peter</a> , <a href="#">YELVE Nitesh</a> , # <a href="#">HOU Zeyu</a> , "An Adaptive Wavelet Library to Detect Surface Defects in Rail Tracks Using a Laser Ultrasonic System", <i>European Workshop on Structural Health Monitoring - Special Collection of 2020 Papers</i> , 06-09 July 2020, pp 181-189, (ISBN: 978-3-030-64593-9,978-3-030-64594-6).
<b>JIANG Shicong</b>	<a href="#">WANG Lei</a> , <a href="#">HUANG Jian</a> , <a href="#">WU Dongrui</a> , <a href="#">DUAN Tao</a> , <a href="#">ZONG Rui</a> , # <a href="#">JIANG Shicong</a> , "Hand Gesture Recognition Based on Multi-Classification Adaptive Neuro-Fuzzy Inference System and pMMG", <i>ICARM 2020 CONFERENCE DIGES - 2020 5th IEEE International Conference on Advanced Robotics and Mechatronics</i> , Shenzhen, China, 18-21 December 2020, pp 460-465, (ISBN: 978-1-7281-6479-3).
<b>MAGED Ahmed</b>	<a href="#">ABDALLAH Reem</a> , <a href="#">HARIDY Salah</a> , <a href="#">SHAMSUZZAMAN Mohammad</a> , <a href="#">BASHIR Hamdi</a> , # <a href="#">MAGED Ahmed</a> , "An Application of EWMA Control Chart for Monitoring Packaging Defects in Food Industry", <i>Proceedings of the 11th Annual International Conference on Industrial Engineering and Operations Management</i> , Virtual , Singapore, 07-11 March 2021, pp 2151-2159, (ISBN: 978-1-7923-6124-1).

Section A: Publications of PhD Students

	AHMED Abdallah, SOLIMAN Aref, #MAGED Ahmed, GAAFAR Mohammed, MAGDY Mahmoud, "Path Smoothing Algorithm Using Thin-Plate Spline", <i>2021 7th International Conference on Control, Automation and Robotics (ICCAR)</i> , Singapore, 23-23 April 2021, pp 349-353, (ISBN: 978-1-6654-4985-4,978-1-6654-4986-1).
<b>MENG Xiangcheng</b>	#MENG Xiangcheng, CHAN Hoi Shou Alan, "Influence of Improper Workload on Safety Consciousness and Safety Citizenship Behavior of Construction Workers", <i>Advances in Safety Management and Human Performance</i> , Virtual, United States, 16-20 July 2020, pp 111-116, (ISBN: 9783030509453,9783030509460).
	#WONG Ka Po, LAI Alfred Tsz Shing, #MENG Xiangcheng, LEE Fion Choi Hung, CHAN Hoi Shou Alan, "Work–Life Balance of Secondary Schools Teachers in Hong Kong", <i>Proceedings of the 21st Congress of the International Ergonomics Association (IEA 2021) - Volume I: Systems and Macroergonomics</i> , Virtual, Vancouver, Canada, 13-18 June 2021, pp 819-826, (ISBN: 978-3-030-74601-8,978-3-030-74602-5).
	#MENG Xiangcheng, #WONG Ka Po, CHAN Hoi Shou Alan, "Effect of Safety Culture on Safety Citizenship Behavior of Construction Personnel in China", <i>Proceedings of the 21st Congress of the International Ergonomics Association (IEA 2021) - Volume III: Sector Based Ergonomics</i> , Virtual, Vancouver, Canada, 13-18 June 2021, pp 314-322, (ISBN: 9783030746070,9783030746087).
<b>SU Zicheng</b>	#SU Zicheng, CHOW Andy, "Adaptive transit signal control with reinforcement learning".
<b>WONG Ka Po</b>	#WONG Ka Po, LAI Alfred Tsz Shing, #MENG Xiangcheng, LEE Fion Choi Hung, CHAN Hoi Shou Alan, "Work–Life Balance of Secondary Schools Teachers in Hong Kong", <i>Proceedings of the 21st Congress of the International Ergonomics Association (IEA 2021) - Volume I: Systems and Macroergonomics</i> , Virtual, Vancouver, Canada, 13-18 June 2021, pp 819-826, (ISBN: 978-3-030-74601-8,978-3-030-74602-5).
	#MENG Xiangcheng, #WONG Ka Po, CHAN Hoi Shou Alan, "Effect of Safety Culture on Safety Citizenship Behavior of Construction Personnel in China", <i>Proceedings of the 21st Congress of the International Ergonomics Association (IEA 2021) - Volume III: Sector Based Ergonomics</i> , Virtual, Vancouver, Canada, 13-18 June 2021, pp 314-322, (ISBN: 9783030746070,9783030746087).
<b>YU Wing Lam</b>	#YU Wing Lam, YUEN Wai Hung, #PENG Lu, CHAN Hoi Shou Alan, "Acceptance Level of Older Chinese People Towards Video Shooting Games", <i>Human Aspects of IT for the Aged Population - Healthy and Active Aging - 6th International Conference, ITAP 2020, Proceedings, Part II</i> , Copenhagen, Denmark, 19-24 July 2020, pp 707-718, (ISBN: 9783030502485,9783030502492).
	#PENG Lu, #YU Wing Lam, CHAN Hoi Shou Alan, YIM Hin Piu, "Chronic Health Problems of Older Workers and Their Occupational Safety: A Meta-Analysis", <i>Human Aspects of IT for the Aged Population - Healthy and Active Aging - 6th International Conference, ITAP 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Proceedings</i> , AC Bella Sky Hotel and Bella Center (Virtual), Copenhagen, Denmark, 19-24 July 2020, pp 365-380, (ISBN: 9783030502485,9783030502492).
<b>All other outputs</b>	
<b>TAO Yidan</b>	#TAO Yidan, <i>Research on Modeling and Control for High-speed Non-raster Scanning of Atomic Force Microscopy</i> , PhD Thesis, Department of Advanced Design and Systems Engineering, City University of Hong Kong, Hong Kong, PRC, 01 June 2021.
<b>WANG Yu</b>	#WANG Yu, <i>Buyer-supplier Interaction, Ambidextrous Innovations and Manufacturer Performance:the Roles of Competitive Environment,Governance Mechanisms and Interfunctional Coordination</i> , PhD Thesis, Department of Advanced Design and Systems Engineering, City University of Hong Kong, Hong Kong, PRC, 04 June 2021.
<b>College of Engineering</b>	
<b>DEPARTMENT OF ARCHITECTURE AND CIVIL ENGINEERING</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>GAUTAM Dipendra</b>	CHETTRI Nimesh, #GAUTAM Dipendra, RUPAKHETY Rajesh, "From <i>Tship Chim</i> to <i>Pa Chim</i> - Seismic vulnerability and strengthening of Bhutanese vernacular buildings", <i>Masonry Construction in Active Seismic Regions</i> , Gautam Dipendra and Rupakhety Rajesh (eds),

Section A: Publications of PhD Students

	Woodhead Publishing, ISBN: 978-0-12-821087-1,978-0-12-823196-8, 14 May 2021, pp 253-288.
	#GAUTAM Dipendra, RUPAKHETY Rajesh, ADHIKARI Rabindra, SHRESTHA Binay Charan, BARUWAL Rewati, BHATT Lalit, "Seismic vulnerability of Himalayan stone masonry - Regional perspectives", <i>Masonry Construction in Active Seismic Regions</i> , Gautam Dipendra and Rupakhety Rajesh (eds), Woodhead Publishing, ISBN: 978-0-12-821087-1,978-0-12-823196-8, 14 May 2021, pp 25-60.
	RUPAKHETY Rajesh, #GAUTAM Dipendra, <i>Masonry Construction in Active Seismic Regions</i> , Woodhead Publishing, ISBN: 9780128210871,9780128231968, 14 May 2021, 480 p.
<b>Journal publications</b>	
<b>ABDOH Daud Ali Ahmad</b>	#ABDOH Daud Ali Ahmad, ADEMILOYE Adesola Samson, LIEW Kim Meow, "A meshfree analysis of the thermal behaviors of hot surface glass pane subjects to down-flowing water film via smoothed particle hydrodynamics", <i>Engineering Analysis with Boundary Elements</i> , 120, 17 September 2020, pp 195-210, doi: <a href="https://doi.org/10.1016/j.enganabound.2020.08.014">https://doi.org/10.1016/j.enganabound.2020.08.014</a> .
<b>ADEAGBO Olamide Mujib</b>	#ADEAGBO Mujib Olamide, LAM Heung Fai, NI Yi Qing, "A Bayesian methodology for detection of railway ballast damage using the modified Ludwik nonlinear model", <i>Engineering Structures</i> , 236, 31 March 2021, doi: <a href="https://doi.org/10.1016/j.engstruct.2021.112047">https://doi.org/10.1016/j.engstruct.2021.112047</a> . LAM Heung Fai, #ADEAGBO Mujib Olamide, YANG Y. B., "Time-domain Markov chain Monte Carlo-based Bayesian damage detection of ballasted tracks using nonlinear ballast stiffness model", <i>Structural Health Monitoring</i> , 27 November 2020, doi: <a href="https://doi.org/10.1177/1475921720966950">https://doi.org/10.1177/1475921720966950</a> .
<b>AGHIMIEN Emmanuel Imuetinyan</b>	#AGHIMIEN Emmanuel Imuetinyan, LI Hin Wa, TSANG Kin Wai, "Bioclimatic architecture and its energy-saving potentials: a review and future directions", <i>Engineering, Construction and Architectural Management</i> , 01 April 2021, doi: <a href="https://doi.org/10.1108/ECAM-11-2020-0928">https://doi.org/10.1108/ECAM-11-2020-0928</a> . #AGHIMIEN Emmanuel Imuetinyan, LI Hin Wa, #CHEN Wenqiang, TSANG Kin Wai, "Daylight luminous efficacy: An overview", <i>Solar Energy</i> , 16 June 2021, doi: <a href="https://doi.org/10.1016/j.solener.2021.05.018">https://doi.org/10.1016/j.solener.2021.05.018</a> . ALSHAIBANI Khalid, LI Hin Wa, #AGHIMIEN Emmanuel Imuetinyan, "Sky Luminance Distribution Models: A Comparison with Measurements from a Maritime Desert Region", <i>Energies</i> , 13(20), 19 October 2020, doi: <a href="https://doi.org/10.3390/en13205455">https://doi.org/10.3390/en13205455</a> . #AGHIMIEN Emmanuel Imuetinyan, AGHIMIEN Lerato Millicent, #PETINRIN Olutomilayo Olayemi, AGHIMIEN Douglas Omoregie, "High-performance computing for computational modelling in built environment-related studies – a scientometric review", <i>Journal of Engineering, Design and Technology</i> , 02 November 2020, doi: <a href="https://doi.org/10.1108/JEDT-07-2020-0294">https://doi.org/10.1108/JEDT-07-2020-0294</a> .
<b>AHMED Khursheed</b>	LIANG Qi, LEUNG Mei-yung, #AHMED Khursheed, "How Adoption of Coping Behaviors determines Construction Workers' Safety: A Quantitative and Qualitative Investigation", <i>Safety Science</i> , 133, 15 October 2020, doi: <a href="https://doi.org/10.1016/j.ssci.2020.105035">https://doi.org/10.1016/j.ssci.2020.105035</a> .
<b>AHMED Wisal</b>	GUL Akhtar, ALAM Bashir, #AHMED Wisal, WAHAB Nauman, SHAHZADA Khan, IRFAN BADRASHI Yasir, WALI KHAN Sajjad, KHAN Muhammad Nasir Ayaz, "Strengthening and Characterization of Existing Reinforced Concrete Beams for Flexure by Effective Utilization of External Steel Elements", <i>Advances in Structural Engineering</i> , 24(2), 17 August 2020, pp 243-251, doi: <a href="https://doi.org/10.1177/1369433220950614">https://doi.org/10.1177/1369433220950614</a> . FAROOQ Furqan, #AHMED Wisal, #AKBAR Arslan, ASLAM Fahid, ALYOUSEF Rayed, "Predictive modeling for sustainable high-performance concrete from industrial wastes: A comparison and optimization of models using ensemble learners", <i>Journal of Cleaner Production</i> , 292, 25 January 2021, doi: <a href="https://doi.org/10.1016/j.jclepro.2021.126032">https://doi.org/10.1016/j.jclepro.2021.126032</a> . #AHMED Wisal, LIM C W, "Coupling effect assessment of vacuum based pozzolana slurry encrusted recycled aggregate and basalt fiber on mechanical performance of fiber reinforced concrete", <i>Construction and Building Materials</i> , 300, 25 June 2021, doi: <a href="https://doi.org/10.1016/j.conbuildmat.2021.124032">https://doi.org/10.1016/j.conbuildmat.2021.124032</a> .

Section A: Publications of PhD Students

	ULLAH Majeed, BURHAN AHMAD IMTIAZI Shahzada, ARSALAN KHUSHNOOD Rao, PERVAIZ Erum , #AHMED Wisal, ULLAH Asad, ALI QURESHI Zarar, "Synthesis, characterization and application of graphene oxide in self consolidating cementitious systems", <i>Construction and Building Materials</i> , 296, 03 June 2021, doi: <a href="https://doi.org/10.1016/j.conbuildmat.2021.123623">https://doi.org/10.1016/j.conbuildmat.2021.123623</a> .
<b>AKBAR Arslan</b>	FAROOQ Furqan, #AHMED Wisal, #AKBAR Arslan, ASLAM Fahid, ALYOUSEF Rayed, "Predictive modeling for sustainable high-performance concrete from industrial wastes: A comparison and optimization of models using ensemble learners", <i>Journal of Cleaner Production</i> , 292, 25 January 2021, doi: <a href="https://doi.org/10.1016/j.jclepro.2021.126032">https://doi.org/10.1016/j.jclepro.2021.126032</a> .
	#AKBAR Arslan, LIEW Kim Meow, "Influence of elevated temperature on the microstructure and mechanical performance of cement composites reinforced with recycled carbon fibers", <i>Composites Part B: Engineering</i> , 198, 14 July 2020, doi: <a href="https://doi.org/10.1016/j.compositesb.2020.108245">https://doi.org/10.1016/j.compositesb.2020.108245</a> .
	ASLAM Fahid, FAROOQ Furqan, AMIN Muhammad Nasir, KHAN Kaffayatullah, WAHEED Abdul, #AKBAR Arslan, JAVED Muhammad Faisal, ALYOUSEF Rayed, ALABDULJABBAR Hisham, "Applications of Gene Expression Programming for Estimating Compressive Strength of High-Strength Concrete", <i>Advances in Civil Engineering</i> , 2020, 26 September 2020, doi: <a href="https://doi.org/10.1155/2020/8850535">https://doi.org/10.1155/2020/8850535</a> .
	#AKBAR Arslan, LIEW Kim Meow, "Assessing recycling potential of carbon fiber reinforced plastic waste in production of eco-efficient cement-based materials", <i>Journal of Cleaner Production</i> , 274, 18 July 2020, doi: <a href="https://doi.org/10.1016/j.jclepro.2020.123001">https://doi.org/10.1016/j.jclepro.2020.123001</a> .
	#AKBAR Arslan, LIEW Kim Meow, FAROOQ Furqan, KHUSHNOOD Rao Arsalan, "Exploring mechanical performance of hybrid MWCNT and GNMP reinforced cementitious composites", <i>Construction and Building Materials</i> , 267, 07 October 2020, doi: <a href="https://doi.org/10.1016/j.conbuildmat.2020.120721">https://doi.org/10.1016/j.conbuildmat.2020.120721</a> .
	JAVED Muhammad Faisal, FAROOQ Furqan, MEMON Shazim Ali, #AKBAR Arslan, KHAN Mohsin Ali, ASLAM Fahid, ALYOUSEF Rayed, ALABDULJABBAR Hisham, UR REHMAN Sardar Kashif, "New Prediction Model for the Ultimate Axial Capacity of Concrete-Filled Steel Tubes: An Evolutionary Approach", <i>Crystals</i> , 10(9), 22 August 2020, doi: <a href="https://doi.org/10.3390/cryst10090741">https://doi.org/10.3390/cryst10090741</a> .
	XU Jie, ASHRAF Shahzad, KHAN Suliman, CHEN Xi, #AKBAR Arslan, FAROOQ Furqan, "Micro-cracking pattern recognition of hybrid CNTs/GNPs cement pastes under three-point bending loading using acoustic emission technique", <i>Journal of Building Engineering</i> , 42, 04 June 2021, doi: <a href="https://doi.org/10.1016/j.jobeb.2021.102816">https://doi.org/10.1016/j.jobeb.2021.102816</a> .
	#AKBAR Arslan, KODUR V. K.R., LIEW Kim Meow, "Microstructural changes and mechanical performance of cement composites reinforced with recycled carbon fibers", <i>Cement and Concrete Composites</i> , 121, 24 April 2021, doi: <a href="https://doi.org/10.1016/j.cemconcomp.2021.104069">https://doi.org/10.1016/j.cemconcomp.2021.104069</a> .
	#AKBAR Arslan, LIEW Kim Meow, "Multicriteria performance evaluation of fiber-reinforced cement composites: An environmental perspective", <i>Composites Part B: Engineering</i> , 218, 27 April 2021, doi: <a href="https://doi.org/10.1016/j.compositesb.2021.108937">https://doi.org/10.1016/j.compositesb.2021.108937</a> .
	KHAN Mohsin Ali, ZAFAR Adeel, #AKBAR Arslan, JAVED Muhammad Faisal, MOSAVI Amir, "Application of Gene Expression Programming (GEP) for the Prediction of Compressive Strength of Geopolymer Concrete", <i>Materials</i> , 14(5), 26 February 2021, doi: <a href="https://doi.org/10.3390/ma14051106">https://doi.org/10.3390/ma14051106</a> .
AHMAD Ayaz, FAROOQ Furqan, NIEWIADOMSKI Pawel, OSTROWSKI Krzysztof, #AKBAR Arslan, ASLAM Fahid, ALYOUSEF Rayed, "Prediction of Compressive Strength of Fly Ash Based Concrete Using Individual and Ensemble Algorithm", <i>Materials</i> , 14(4), 08 February 2021, doi: <a href="https://doi.org/10.3390/ma14040794">https://doi.org/10.3390/ma14040794</a> .	
<b>BIE Zhiwu</b>	#ZHU Jiaqi, HE Xiaoqiao, #YANG Dong, #BIE Zhiwu, #MEI Huanhuan, TIAN Xiaobao, "A peridynamic model for fracture analysis of polycrystalline BCC-Fe associated with molecular dynamics simulation", <i>Theoretical and Applied Fracture Mechanics</i> , 114, 24 April 2021, doi: <a href="https://doi.org/10.1016/j.tafmec.2021.102999">https://doi.org/10.1016/j.tafmec.2021.102999</a> .
	LI Shuang, LU Haining, JIN Yanli, SUN Pengfei, HUANG Xiaohua, #BIE Zhiwu, "An improved unibond dual-parameter peridynamic model for fracture analysis of quasi-brittle materials",

Section A: Publications of PhD Students

	<p><i>International Journal of Mechanical Sciences</i>, 204, 05 June 2021, doi: <a href="https://doi.org/10.1016/j.ijmecsci.2021.106571">https://doi.org/10.1016/j.ijmecsci.2021.106571</a>.</p> <p>#YANG Dong, HE Xiaoqiao, #ZHU Jiaqi, #BIE Zhiwu, "A novel damage model in the peridynamics-based cohesive zone method (PD-CZM) for mixed mode fracture with its implicit implementation", <i>Computer Methods in Applied Mechanics and Engineering</i>, 377, 22 February 2021, doi: <a href="https://doi.org/10.1016/j.cma.2021.113721">https://doi.org/10.1016/j.cma.2021.113721</a>.</p> <p>#BIE Zhiwu, LIU Xuefeng, TAO Jixiao, #ZHU Jiaqi, #YANG Dong, HE Xiaoqiao, "Investigation of carbon nanosprings with the tunable mechanical properties controlled by the defect distribution", <i>Carbon</i>, 179, 17 April 2021, pp 240-255, doi: <a href="https://doi.org/10.1016/j.carbon.2021.04.035">https://doi.org/10.1016/j.carbon.2021.04.035</a>.</p>
CAI Xiaolei	<p>JAILLON Lara Celine, POON Chi-Sun, CHAN Yan Yu, LEE Ming Wai, #CAI Xiaolei, "Green Building Rating Systems and Construction Waste in High Density Urban Environment: The Case Study of Hong Kong", <i>International Journal of Sustainable Construction Engineering and Technology</i>, 11(4), 31 December 2020, pp 60-76.</p> <p>XUE Qiuli Charlie, DING Guanghui, #CHANG Wei, #CAI Xiaolei, "设计院走出国门: 中国援外60年", <i>H+A 华建筑</i>, 31, October 2020, pp 6-13.</p>
CHAN Pak Wai	<p>LIN H. B., FU J. Y., SHU Z. R., LI Q. S., #CHAN Pak Wai, HE Yuncheng, "Spectral characteristics of surface atmosphere in range of macroscale to microscale at Hong Kong", <i>Journal of Wind Engineering &amp; Industrial Aerodynamics</i>, 208, 21 November 2020, doi: <a href="https://doi.org/10.1016/j.jweia.2020.104446">https://doi.org/10.1016/j.jweia.2020.104446</a>.</p>
CHANG Wei	<p>#CHANG Wei, XUE Qiuli Charlie, "Government and its aid buildings: the governmental influence on the design and management of China-aided stadium projects after 2000", <i>Architectural Engineering and Design Management</i>, 17(1-2), 25 August 2020, pp 36-49, doi: <a href="https://doi.org/10.1080/17452007.2020.1809986">https://doi.org/10.1080/17452007.2020.1809986</a>.</p> <p>XUE Qiuli Charlie, DING Guanghui, #CHANG Wei, #CAI Xiaolei, "设计院走出国门: 中国援外60年", <i>H+A 华建筑</i>, 31, October 2020, pp 6-13.</p>
CHEN Guangchong	<p>#CHEN Guangchong, CHEN Jiayu, TANG Yuchun, NING Yan, LI Qiming, "Collaboration strategy selection in BIM-enabled construction projects: a perspective through typical collaboration profiles", <i>Engineering, Construction and Architectural Management</i>, 23 June 2021, doi: <a href="https://doi.org/10.1108/ECAM-01-2021-0004">https://doi.org/10.1108/ECAM-01-2021-0004</a>.</p>
CHEN Huaguo	<p>HUANG Yongqi, GAN Vincent J.L., #CHEN Huaguo, YANG Jianjun, "Behavior of a Two-Way Lightweight Steel-Concrete Composite Slab Voided with Thin-Walled Core Boxes towards Sustainable Construction", <i>Materials</i>, 13(18), 17 September 2020, doi: <a href="https://doi.org/10.3390/ma13184129">https://doi.org/10.3390/ma13184129</a>.</p>
CHEN Long	<p>LU Yi, #CHEN Long, LIU Xueming, YANG Yuwen, SULLIVAN William C., XU Wenyan, WEBSTER Chris, JIANG Bin, "Green spaces mitigate racial disparity of health: A higher ratio of green spaces indicates a lower racial disparity in SARS-CoV-2 infection rates in the USA", <i>Environment International</i>, 152, 27 February 2021, doi: <a href="https://doi.org/10.1016/j.envint.2021.106465">https://doi.org/10.1016/j.envint.2021.106465</a>.</p>
CHEN Wenqiang	<p>LOU Siwei, LI Hin Wa, LUN Isaac Y.F., HUANG Yu, #CHEN Wenqiang, XIA Dawei, YANG Yanping, "Radiance of the circumsolar and background parts of skydome for buildings under random obstructions", <i>Energy and Buildings</i>, 236, 01 February 2021, doi: <a href="https://doi.org/10.1016/j.enbuild.2021.110796">https://doi.org/10.1016/j.enbuild.2021.110796</a>.</p> <p>#CHEN Wenqiang, LI Hin Wa, #LI Shuyang, LOU Siwei, "Predicting diffuse solar irradiance on obstructed building façades under irregular skyline patterns for various ISO/CIE standard skies", <i>Journal of Building Engineering</i>, 40, 04 March 2021, doi: <a href="https://doi.org/10.1016/j.jobee.2021.102370">https://doi.org/10.1016/j.jobee.2021.102370</a>.</p> <p>#AGHIMIEN Emmanuel Imuetinyan, LI Hin Wa, #CHEN Wenqiang, TSANG Kin Wai, "Daylight luminous efficacy: An overview", <i>Solar Energy</i>, 16 June 2021, doi: <a href="https://doi.org/10.1016/j.solener.2021.05.018">https://doi.org/10.1016/j.solener.2021.05.018</a>.</p>
CHEN Yingting	<p>XUE Qiuli Charlie, #CHEN Yingting, DING Guanghui, "海外建筑设计: 落地中国四十年", <i>建筑实践</i>, 2021年(3(总第29)), March 2021, pp 8-21.</p>

Section A: Publications of PhD Students

<b>CHEN Zhenyu</b>	#CHEN Zhenyu, #WANG Guifeng, ZHOU Weijian, LIM C W, "Elastic Foundation Induced Wide Bandgaps for Actively-tuned Topologically Protected Wave Propagation in Phononic Crystal Beams", <i>International Journal of Mechanical Sciences</i> , 194, 23 November 2020, doi: <a href="https://doi.org/10.1016/j.ijmecsci.2020.106215">https://doi.org/10.1016/j.ijmecsci.2020.106215</a> .
	YU Yue, ZHANG Cong, #CHEN Zhenyu, LIM C W, "Relaxation and mixed mode oscillations in a shape memory alloy oscillator driven by parametric and external excitations", <i>Chaos, Solitons &amp; Fractals</i> , 140, 29 July 2020, doi: <a href="https://doi.org/10.1016/j.chaos.2020.110145">https://doi.org/10.1016/j.chaos.2020.110145</a> .
	#CHEN Zhenyu, ZHOU Weijian, LIM C W, "Tunable Frequency Response of Topologically Protected Interface Modes for Membrane-type Metamaterials via Voltage Control", <i>Journal of Sound and Vibration</i> , 494, 22 November 2020, doi: <a href="https://doi.org/10.1016/j.jsv.2020.115870">https://doi.org/10.1016/j.jsv.2020.115870</a> .
	ZHOU Weijian, #CHEN Zhenyu, CHEN Yingjie, CHEN Weiqiu, LIM C W, REDDY J.N., "Mathematical modelling of phononic nanoplate and its size-dependent dispersion and topological properties", <i>Applied Mathematical Modelling</i> , 88, 06 August 2020, pp 774-790, doi: <a href="https://doi.org/10.1016/j.apm.2020.07.008">https://doi.org/10.1016/j.apm.2020.07.008</a> .
<b>CHU Yung Jeh</b>	#CHU Yung Jeh, LAM Heung Fai, "Comparative study of the performances of a bio-inspired flexible-bladed wind turbine and a rigid-bladed wind turbine in centimeter-scale", <i>Energy</i> , 213, 14 September 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.118835">https://doi.org/10.1016/j.energy.2020.118835</a> .
	#CHU Yung Jeh, LAM Heung Fai, PENG Huayi, "Numerical investigation of the power and self-start performance of a folding-blade horizontal axis wind turbine with a downwind configuration", <i>International Journal of Green Energy</i> , 23 May 2021, doi: <a href="https://doi.org/10.1080/15435075.2021.1930003">https://doi.org/10.1080/15435075.2021.1930003</a> .
<b>CUI Kai</b>	CHANG Jun, #CUI Kai, ZHANG Yangyang, "Effect of hybrid steel fibers on the mechanical performances and microstructure of sulphoaluminate cement-based reactive powder concrete", <i>Construction and Building Materials</i> , 261, 28 August 2020, doi: <a href="https://doi.org/10.1016/j.conbuildmat.2020.120502">https://doi.org/10.1016/j.conbuildmat.2020.120502</a> .
<b>FANG Xu</b>	#FANG Xu, HU Longhua, ZHANG Xiaolei, YUEN Kwok Kit Richard, "Diffusion flame morphology with or without near-wall in cross-winds: Experiments and a correlation based on momentum-buoyancy length scale", <i>Fuel</i> , 289, 19 December 2020, doi: <a href="https://doi.org/10.1016/j.fuel.2020.119842">https://doi.org/10.1016/j.fuel.2020.119842</a> .
<b>GAO Yizhuo</b>	TAN Gangyi, #GAO Yizhuo, XUE Qiuli Charlie, XU Liquan, "'Third Front' construction in China: planning the industrial towns during the Cold War (1964–1980)", <i>Planning Perspectives</i> , 16 April 2021, doi: <a href="https://doi.org/10.1080/02665433.2021.1910553">https://doi.org/10.1080/02665433.2021.1910553</a> .
	TAN Gangyi, CAO Xiaomao, #GAO Yizhuo, "从城市安全到安全城市——三线建设与脱险调迁的经验启示", <i>新建筑</i> , (1), February 2021, pp 16-21, doi: <a href="https://doi.org/10.12069/j.na.202101016">https://doi.org/10.12069/j.na.202101016</a> .
<b>GAUTAM Dipendra</b>	KC Sajan, #GAUTAM Dipendra, "Progress in sustainable structural engineering: a review", <i>Innovative Infrastructure Solutions</i> , 6(2), 12 January 2021, doi: <a href="https://doi.org/10.1007/s41062-020-00419-3">https://doi.org/10.1007/s41062-020-00419-3</a> .
	PARAJULI Rishi Ram, FURUKAWA Aiko, #GAUTAM Dipendra, "Experimental characterization of monumental brick masonry in Nepal", <i>Structures</i> , 28, 08 October 2020, pp 1314-1321, doi: <a href="https://doi.org/10.1016/j.istruc.2020.09.065">https://doi.org/10.1016/j.istruc.2020.09.065</a> .
	#GAUTAM Dipendra, ADHIKARI Rabindra, RUPAKHETY Rajesh, "Seismic fragility of structural and non-structural elements of Nepali RC buildings", <i>Engineering Structures</i> , 232, 28 January 2021, doi: <a href="https://doi.org/10.1016/j.engstruct.2021.111879">https://doi.org/10.1016/j.engstruct.2021.111879</a> .
	DHAKAL Rajan, RUPAKHETY Rajesh, #GAUTAM Dipendra, "System Identification and Seismic Performance Assessment of Representative RC Buildings in Kathmandu Valley", <i>Frontiers in Built Environment</i> , 6, 16 December 2020, doi: <a href="https://doi.org/10.3389/fbuil.2020.601116">https://doi.org/10.3389/fbuil.2020.601116</a> .
	SHENDKAR Mangeshkumar R., KONTONI Denise-Penelope N., MANDAL Sasankasekhar, MAITI Pabitra Ranjan, #GAUTAM Dipendra, "Effect of Lintel Beam on Seismic Response of Reinforced Concrete Buildings with Semi-Interlocked and Unreinforced Brick Masonry Infills", <i>Infrastructures</i> , 6(1), 01 January 2021, doi: <a href="https://doi.org/10.3390/infrastructures6010006">https://doi.org/10.3390/infrastructures6010006</a> .

Section A: Publications of PhD Students

	<p>TEMPA Karma, CHETTRI Nimesh, GURUNG Lily, #GAUTAM Dipendra, "Shear wave velocity profiling and ground response analysis in Phuentsholing, Bhutan", <i>Innovative Infrastructure Solutions</i>, 6(2), 12 January 2021, doi: <a href="https://doi.org/10.1007/s41062-020-00420-w">https://doi.org/10.1007/s41062-020-00420-w</a>.</p> <p>CHETTRI Nimesh, #GAUTAM Dipendra, RUPAKHETY Rajesh, "Seismic Vulnerability of Vernacular Residential Buildings in Bhutan", <i>Journal of Earthquake Engineering</i>, 12 January 2021, doi: <a href="https://doi.org/10.1080/13632469.2020.1868362">https://doi.org/10.1080/13632469.2020.1868362</a>.</p>
<b>GUAN Zheng</b>	<p>#GUAN Zheng, WANG Yu, "Selection of Standard Penetration Test Number for Geotechnical Investigation of a Vertical Cross-section Considering Spatial Variability and Correlation in Soil Properties", <i>Canadian Geotechnical Journal</i>, 05 January 2021, doi: <a href="https://doi.org/10.1139/cgj-2020-0440">https://doi.org/10.1139/cgj-2020-0440</a>.</p> <p>#GUAN Zheng, WANG Yu, "Rational determination of cone penetration test quantity in a two-dimensional vertical cross-section for site investigation", <i>Tunnelling and Underground Space Technology</i>, 109, 26 December 2020, doi: <a href="https://doi.org/10.1016/j.tust.2020.103771">https://doi.org/10.1016/j.tust.2020.103771</a>.</p> <p>#GUAN Zheng, WANG Yu, ZHAO Tengyuan, "Delineating the spatial distribution of soil liquefaction potential in a cross-section from limited cone penetration tests", <i>Soil Dynamics and Earthquake Engineering</i>, 145, 21 March 2021, doi: <a href="https://doi.org/10.1016/j.soildyn.2021.106710">https://doi.org/10.1016/j.soildyn.2021.106710</a>.</p> <p>#GUAN Zheng, WANG Yu, "Non-parametric construction of site-specific non-Gaussian multivariate joint probability distribution from sparse measurements", <i>Structural Safety</i>, 91, 15 February 2021, doi: <a href="https://doi.org/10.1016/j.strusafe.2021.102077">https://doi.org/10.1016/j.strusafe.2021.102077</a>.</p>
<b>HAN Xuliang</b>	<p>#HAN Xuliang, LI Qiusheng, LI Xiao, #ZHOU Kang, "Multipoint Synchronous Monitoring of Cladding Pressures on a 600-m-High Skyscraper during Super Typhoon Mangkhut 2018", <i>Journal of Structural Engineering</i>, 147(7), 16 April 2021, doi: <a href="https://doi.org/10.1061/(ASCE)ST.1943-541X.0003040">https://doi.org/10.1061/(ASCE)ST.1943-541X.0003040</a>.</p> <p>CAI Kang, LI Xiao, ZHI Lun-hai, #HAN Xuliang, "Extraction of optimal time-varying mean of non-stationary wind speeds based on empirical mode decomposition", <i>Structural Engineering and Mechanics</i>, 77(3), 10 February 2021, pp 355-368, doi: <a href="https://doi.org/10.12989/sem.2021.77.3.355">https://doi.org/10.12989/sem.2021.77.3.355</a>.</p>
<b>HE Junjiang</b>	<p>#HE Junjiang, HUANG Xinyan, NING Xiaoyao, ZHOU Tiannian, WANG Jian, YUEN Kwok Kit Richard, "Stairwell smoke transport in a full-scale high-rise building: Influence of opening location", <i>Fire Safety Journal</i>, 117, 09 August 2020, doi: <a href="https://doi.org/10.1016/j.firesaf.2020.103151">https://doi.org/10.1016/j.firesaf.2020.103151</a>.</p>
<b>HE Junyi</b>	<p>#HE Junyi, LI Qiusheng, CHAN P. W., ZHANG L., YANG H. L., LI L., HE Yuncheng, "Observational study of wind characteristics, wind speed and turbulence profiles during Super Typhoon Mangkhut", <i>Journal of Wind Engineering and Industrial Aerodynamics</i>, 206, 07 September 2020, doi: <a href="https://doi.org/10.1016/j.jweia.2020.104362">https://doi.org/10.1016/j.jweia.2020.104362</a>.</p> <p>#HE Junyi, LI Qiusheng, CHAN P. W., "Reduced gust factor for extreme tropical cyclone winds over ocean", <i>Journal of Wind Engineering and Industrial Aerodynamics</i>, 208, 19 November 2020, doi: <a href="https://doi.org/10.1016/j.jweia.2020.104445">https://doi.org/10.1016/j.jweia.2020.104445</a>.</p>
<b>HE Yinghou</b>	<p>SUN Meng-Meng, LI Qiusheng, #ZHOU Kang, #HE Yinghou, ZHI Lunhai, "Modal Identification from Non-Stationary Responses of High-Rise Buildings by Variational Mode Decomposition and Direct Interpolation Techniques", <i>International Journal of Structural Stability and Dynamics</i>, 20(11), 02 September 2020, doi: <a href="https://doi.org/10.1142/S0219455420501151">https://doi.org/10.1142/S0219455420501151</a>.</p>
<b>HU Yue</b>	<p>#HU Yue, WANG Yu, "静力触探识别场地土层分布的贝叶斯学习方法研究", <i>工程地质学报</i>, 28(5), October 2020, pp 966-972, doi: <a href="https://doi.org/10.13544/j.cnki.jeg.2020-263">https://doi.org/10.13544/j.cnki.jeg.2020-263</a>.</p>
<b>HUANG Chuanli</b>	<p>#HUANG Chuanli, WANG Min, RAFAQAT Warda, SHABBIR Salman, LIAN Liping, ZHANG Jun, LO Siu Ming, SONG Weiguo, "Data-driven test strategy for COVID-19 using machine learning: A study in Lahore, Pakistan", <i>Socio-Economic Planning Sciences</i>, 08 June 2021, doi: <a href="https://doi.org/10.1016/j.seps.2021.101091">https://doi.org/10.1016/j.seps.2021.101091</a>.</p>
<b>HUANG Danyan</b>	<p>#LI Zitong, LO Siu Ming, LIU Shaobo, MA Jian, #HUANG Danyan, "Modeling metro passengers being eager to get aboard during the alighting and boarding process", <i>Transportmetrica A: Transport Science</i>, 17(4), 29 August 2020, pp 714-738, doi: <a href="https://doi.org/10.1080/23249935.2020.1809548">https://doi.org/10.1080/23249935.2020.1809548</a>.</p>



Section A: Publications of PhD Students

<b>HUANG Jiasheng</b>	#HUANG Jiasheng, LIEW J. X., ADEMILOYE Adesola Samson, LIEW Kim Meow, "Artificial Intelligence in Materials Modeling and Design", <i>Archives of Computational Methods in Engineering</i> , 11 October 2020, doi: <a href="https://doi.org/10.1007/s11831-020-09506-1">https://doi.org/10.1007/s11831-020-09506-1</a> .
	#HUANG Jiasheng, LIEW J. X., LIEW Kim Meow, "Data-driven machine learning approach for exploring and assessing mechanical properties of carbon nanotube-reinforced cement composites", <i>Composite Structures</i> , 267, 30 March 2021, doi: <a href="https://doi.org/10.1016/j.compstruct.2021.113917">https://doi.org/10.1016/j.compstruct.2021.113917</a> .
<b>Ji Weiming</b>	#Ji Weiming, ZHANG Lyuwen, LIEW Kim Meow, "Understanding interfacial interaction characteristics of carbon nitride reinforced epoxy composites from atomistic insights", <i>Carbon</i> , 171, 03 September 2020, pp 45-54, doi: <a href="https://doi.org/10.1016/j.carbon.2020.08.067">https://doi.org/10.1016/j.carbon.2020.08.067</a> .
	LIN Li, #Ji Weiming, ZHANG Lyuwen, YE Jian, "Atomic Insights into the Evolution of Three-Dimensional Molecular Junctions in Plasmonic Core-Shell Nanoparticles", <i>Journal of Physical Chemistry C</i> , 125, 15 January 2021, pp 1865-1873, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c09552">https://doi.org/10.1021/acs.jpcc.0c09552</a> .
<b>JIANG Feifeng</b>	MA Jun, CHENG Jack C.P., XU Zherui, CHEN Keyu, LIN Changqing, #JIANG Feifeng, "Identification of the most influential areas for air pollution control using XGBoost and Grid Importance Rank", <i>Journal of Cleaner Production</i> , 274, 12 July 2020, doi: <a href="https://doi.org/10.1016/j.jclepro.2020.122835">https://doi.org/10.1016/j.jclepro.2020.122835</a> .
	#JIANG Feifeng, YUEN Kwok Kit Richard, LEE Wai Ming, "Analysis of motorcycle accidents using association rule mining-based framework with parameter optimization and GIS technology", <i>Journal of Safety Research</i> , 75, 26 September 2020, pp 292-309, doi: <a href="https://doi.org/10.1016/j.jsr.2020.09.004">https://doi.org/10.1016/j.jsr.2020.09.004</a> .
<b>JIN Xin</b>	#JIN Xin, WU Fengping, XU Tao, HUANG Gongsheng, WU Huijun, ZHOU Xiaoqing, WANG Dengjia, LIU Yanfeng, LAI Chi Keung Alvin, "Experimental investigation of the novel melting point modified Phase-Change material for heat pump latent heat thermal energy storage application", <i>Energy</i> , 216, 29 October 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.119191">https://doi.org/10.1016/j.energy.2020.119191</a> .
	#JIN Xin, XIAO Qiuke, XU Tao, HUANG Gongsheng, WU Huijun, WANG Dengjia, LIU Yanfeng, ZHANG Hongguo, LAI Chi Keung Alvin, "Thermal conductivity enhancement of a sodium acetate trihydrate-potassium chloride-urea/expanded graphite composite phase-change material for latent heat thermal energy storage", <i>Energy and Buildings</i> , 231, 11 November 2020, doi: <a href="https://doi.org/10.1016/j.enbuild.2020.110615">https://doi.org/10.1016/j.enbuild.2020.110615</a> .
<b>KAI Mingfeng</b>	#KAI Mingfeng, ZHANG Lyuwen, LIEW Kim Meow, "New insights into creep characteristics of calcium silicate hydrates at molecular level", <i>Cement and Concrete Research</i> , 142, 21 January 2021, doi: <a href="https://doi.org/10.1016/j.cemconres.2021.106366">https://doi.org/10.1016/j.cemconres.2021.106366</a> .
	#KAI Mingfeng, ZHANG Lyuwen, LIEW Kim Meow, "Atomistic insights into structure evolution and mechanical property of calcium silicate hydrates influenced by nuclear waste caesium", <i>Journal of Hazardous Materials</i> , 411, 11 January 2021, doi: <a href="https://doi.org/10.1016/j.jhazmat.2020.125033">https://doi.org/10.1016/j.jhazmat.2020.125033</a> .
<b>KE Jinjing</b>	#KE Jinjing, ZHANG Ming, LUO Xiaowei, CHEN Jiayu, "Monitoring distraction of construction workers caused by noise using a wearable Electroencephalography (EEG) device", <i>Automation in Construction</i> , 125, 11 February 2021, doi: <a href="https://doi.org/10.1016/j.autcon.2021.103598">https://doi.org/10.1016/j.autcon.2021.103598</a> .
	ZHANG Ming, #KE Jinjing, TONG Liyang, LUO Xiaowei, "Investigating the influence of route turning angle on compliance behaviors and evacuation performance in a virtual-reality-based experiment", <i>Advanced Engineering Informatics</i> , 48, 03 March 2021, doi: <a href="https://doi.org/10.1016/j.aei.2021.101259">https://doi.org/10.1016/j.aei.2021.101259</a> .
	ZHANG Yongbao, #KE Jinjing, WU Xiang, LUO Xiaowei, "A Biomechanical Waist Comfort Model for Manual Material Lifting", <i>International Journal of Environmental Research and Public Health</i> , 17(16), 16 August 2020, doi: <a href="https://doi.org/10.3390/ijerph17165948">https://doi.org/10.3390/ijerph17165948</a> .
<b>KHAN Muhammad Irfan</b>	BAHRAQ Ashraf , AL-OSTA Mohammed, #KHAN Muhammad Irfan, AHMAD Shamsad, "Numerical and analytical modeling of seismic behavior of beam-column joints retrofitted with ultra-high performance fiber reinforced concrete", <i>Structures</i> , 32, 22 April 2021, pp 1986-2003, doi: <a href="https://doi.org/10.1016/j.istruc.2021.04.004">https://doi.org/10.1016/j.istruc.2021.04.004</a> .

Section A: Publications of PhD Students

	AL-OSTA Mohammed A., #KHAN Muhammad Irfan, BAHRAQ Ashraf A., XU Shi-Yu, "Application of ultra-high performance fiber reinforced concrete for retrofitting the damaged exterior reinforced concrete beam-column joints", <i>Earthquake and Structures</i> , 19(5), 25 November 2020, pp 361-377, doi: <a href="https://doi.org/10.12989/eas.2020.19.5.361">https://doi.org/10.12989/eas.2020.19.5.361</a> .
<b>LAN Bo</b>	#LAN Bo, TIAN Zhe, WU Xia, "A simplified method of generating sequential meteorological parameters for uncertainty-based energy system design", <i>Energy and Buildings</i> , 237, 01 February 2021, doi: <a href="https://doi.org/10.1016/j.enbuild.2021.110780">https://doi.org/10.1016/j.enbuild.2021.110780</a> .
<b>LAN Meng</b>	#LAN Meng, ZHU Jiping, LO Siu Ming, "Hybrid Bayesian network-based landslide risk assessment method for modeling risk for industrial facilities subjected to landslides", <i>Reliability Engineering and System Safety</i> , 215, 09 June 2021, doi: <a href="https://doi.org/10.1016/j.res.2021.107851">https://doi.org/10.1016/j.res.2021.107851</a> . #LAN Meng, SHAO Yuyang, ZHU Jiping, LO Siu Ming, NG S. Thomas, "A hybrid copula-fragility approach for investigating the impact of hazard dependence on a process facility's failure", <i>Process Safety and Environmental Protection</i> , 149, 17 March 2021, pp 1017-1030, doi: <a href="https://doi.org/10.1016/j.psep.2021.03.014">https://doi.org/10.1016/j.psep.2021.03.014</a> .
<b>LI Gen</b>	#LI Gen, #YIN Binbin, ZHANG Lyuwen, LIEW Kim Meow, "A framework for phase-field modeling of interfacial debonding and frictional slipping in heterogeneous composites", <i>Computer Methods in Applied Mechanics and Engineering</i> , 382, 28 April 2021, doi: <a href="https://doi.org/10.1016/j.cma.2021.113872">https://doi.org/10.1016/j.cma.2021.113872</a> .
<b>LI Hongliu</b>	#LI Hongliu, ZHANG Jun, XIA Long, YANG Libing, SONG Weiguo, YUEN Kwok Kit Richard, "Characteristic time in highly motivated movements of children and adults through bottlenecks", <i>Scientific Reports</i> , 11, 03 March 2021, doi: <a href="https://doi.org/10.1038/s41598-021-84324-4">https://doi.org/10.1038/s41598-021-84324-4</a> .
<b>LI Peiping</b>	WANG Yu, #LI Peiping, "Data-driven determination of sample number and efficient sampling locations for geotechnical site investigation of a cross-section using Voronoi diagram and Bayesian compressive sampling", <i>Computers and Geotechnics</i> , 130, 07 December 2020, doi: <a href="https://doi.org/10.1016/j.compgeo.2020.103898">https://doi.org/10.1016/j.compgeo.2020.103898</a> .
<b>LI Qingqing</b>	#XIAO Longzhu, LO Siu Ming, LIU Jixiang, ZHOU Jiangping, #LI Qingqing, "Nonlinear and synergistic effects of TOD on urban vibrancy: Applying local explanations for gradient boosting decision tree", <i>Sustainable Cities and Society</i> , 72, 01 June 2021, doi: <a href="https://doi.org/10.1016/j.scs.2021.103063">https://doi.org/10.1016/j.scs.2021.103063</a> .
<b>LI Shuyang</b>	#CHEN Wenqiang, LI Hin Wa, #LI Shuyang, LOU Siwei, "Predicting diffuse solar irradiance on obstructed building façades under irregular skyline patterns for various ISO/CIE standard skies", <i>Journal of Building Engineering</i> , 40, 04 March 2021, doi: <a href="https://doi.org/10.1016/j.job.2021.102370">https://doi.org/10.1016/j.job.2021.102370</a> .
<b>LI Ya</b>	#LI Ya, XU Wu, JIANG Yong, LIEW Kim Meow, QIU Rong, "Laminar burning velocities of 2-methyltetrahydrofuran at elevated pressures", <i>Proceedings of the Combustion Institute</i> , 38(2), 26 August 2020, pp 2175-2183, doi: <a href="https://doi.org/10.1016/j.proci.2020.06.253">https://doi.org/10.1016/j.proci.2020.06.253</a> .
<b>LI Zitong</b>	#LI Zitong, LO Siu Ming, LIU Shaobo, MA Jian, #HUANG Danyan, "Modeling metro passengers being eager to get aboard during the alighting and boarding process", <i>Transportmetrica A: Transport Science</i> , 17(4), 29 August 2020, pp 714–738, doi: <a href="https://doi.org/10.1080/23249935.2020.1809548">https://doi.org/10.1080/23249935.2020.1809548</a> .
<b>LIANG Kongzheng</b>	GUO Shengyu, TANG Bing, #LIANG Kongzheng, ZHOU Xinyu, LI Jichao, "Comparative Analysis of the Patterns of Unsafe Behaviors in Accidents between Building Construction and Urban Railway Construction", <i>Journal of Construction Engineering and Management</i> , 147(5), 19 February 2021, doi: <a href="https://doi.org/10.1061/(ASCE)CO.1943-7862.0002013">https://doi.org/10.1061/(ASCE)CO.1943-7862.0002013</a> . GUO Shengyu, ZHAO Yujia, LUOREN Yuqiu, #LIANG Kongzheng, TANG Bing, "Knowledge discovery of correlations between unsafe behaviors within construction accidents", <i>Engineering, Construction and Architectural Management</i> , 30 April 2021, doi: <a href="https://doi.org/10.1108/ECAM-09-2020-0745">https://doi.org/10.1108/ECAM-09-2020-0745</a> .
<b>LIANG Yuying</b>	#LIANG Yuying, WANG Yangjun, WU Huijun, HUANG Gongsheng, YANG Jianming, "Controllable nano-fibrous interlayers for improved thermal insulation performance", <i>Applied Thermal Engineering</i> , 179, 25 July 2020, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2020.115781">https://doi.org/10.1016/j.applthermaleng.2020.115781</a> .

Section A: Publications of PhD Students

<b>LIU Jian</b>	#LIU Jian, #LU Yalin, #TIAN Xue, NIU Jianlei, LIN John Z, "Performance analysis of a dual temperature heat pump based on ejector-vapor compression cycle", <i>Energy and Buildings</i> , 248, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.enbuild.2021.111194">https://doi.org/10.1016/j.enbuild.2021.111194</a> .
	#LIU Jian, LIN John Z, "A novel dual-temperature ejector-compression heat pump cycle-exergetic and economic analyses", <i>International Journal of Refrigeration</i> , 126, 11 January 2021, pp 155-167, doi: <a href="https://doi.org/10.1016/j.ijrefrig.2021.01.005">https://doi.org/10.1016/j.ijrefrig.2021.01.005</a> .
	#LIU Jian, #LU Yalin, #TIAN Xue, LIN John Z, "Analyses of yearly performance dual-temperature warm air heating system applied in different climates", <i>Applied Thermal Engineering</i> , 194, 14 May 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.117076">https://doi.org/10.1016/j.applthermaleng.2021.117076</a> .
	#LIU Jian, #TIAN Xue, LIN John Z, "4E analyses of novel dual-heat source/sink ejector-compression heat pump system", <i>Building and Environment</i> , 196, 12 March 2021, doi: <a href="https://doi.org/10.1016/j.buildenv.2021.107787">https://doi.org/10.1016/j.buildenv.2021.107787</a> .
	#LIU Jian, #TIAN Xue, ZHANG Lin, "Performance analysis of a novel dual heat source warm air heating system with ecofriendly refrigerants", <i>Building and Environment</i> , 194, 18 February 2021, doi: <a href="https://doi.org/10.1016/j.buildenv.2021.107679">https://doi.org/10.1016/j.buildenv.2021.107679</a> .
	#LIU Jian, LIN John Z, "Energy and exergy analyze of different air distributions in a residential building", <i>Energy and Buildings</i> , 233, 24 December 2020, doi: <a href="https://doi.org/10.1016/j.enbuild.2020.110694">https://doi.org/10.1016/j.enbuild.2020.110694</a> .
	#LIU Jian, LIN John Z, "Optimization of configurative parameters of stratum ventilated heating for a sleeping environment", <i>Journal of Building Engineering</i> , 38, 13 January 2021, doi: <a href="https://doi.org/10.1016/j.jobee.2021.102167">https://doi.org/10.1016/j.jobee.2021.102167</a> .
<b>LIU Xin</b>	#QIN Zhengwen, WANG Yu, #LIU Xin, LI Liang, "Spatial-Temporal Variation of Soil Sliding Probability in Cohesive Slopes with Spatially Variable Soils", <i>International Journal of Geomechanics</i> , 21(3), 18 December 2020, doi: <a href="https://doi.org/10.1061/(ASCE)GM.1943-5622.0001931">https://doi.org/10.1061/(ASCE)GM.1943-5622.0001931</a> .
	#LIU Xin, WANG Yu, "Reliability analysis of an existing slope at a specific site considering rainfall triggering mechanism and its past performance records", <i>Engineering Geology</i> , 288, 21 April 2021, doi: <a href="https://doi.org/10.1016/j.enggeo.2021.106144">https://doi.org/10.1016/j.enggeo.2021.106144</a> .
	#LIU Xin, WANG Yu, "Probabilistic simulation of entire process of rainfall-induced landslides using random finite element and material point methods with hydro-mechanical coupling", <i>Computers and Geotechnics</i> , 132, 24 January 2021, doi: <a href="https://doi.org/10.1016/j.compgeo.2020.103989">https://doi.org/10.1016/j.compgeo.2020.103989</a> .
<b>LU Bin</b>	WEERASURIYA A. U., ZHANG Xuelin, WANG Jiayao, #LU Bin, TSE K. T., LIU Chun-Ho, "Performance evaluation of population-based metaheuristic algorithms and decision-making for multi-objective optimization of building design", <i>Building and Environment</i> , 198, 22 April 2021, doi: <a href="https://doi.org/10.1016/j.buildenv.2021.107855">https://doi.org/10.1016/j.buildenv.2021.107855</a> .
	WEERASURIYA A. U., ZHANG Xuelin, #LU Bin, TSE K. T., LIU C. H., "A Gaussian Process-Based emulator for modeling pedestrian-level wind field", <i>Building and Environment</i> , 188, 03 December 2020, doi: <a href="https://doi.org/10.1016/j.buildenv.2020.107500">https://doi.org/10.1016/j.buildenv.2020.107500</a> .
<b>LU Yalin</b>	#LIU Jian, #LU Yalin, #TIAN Xue, NIU Jianlei, LIN John Z, "Performance analysis of a dual temperature heat pump based on ejector-vapor compression cycle", <i>Energy and Buildings</i> , 248, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.enbuild.2021.111194">https://doi.org/10.1016/j.enbuild.2021.111194</a> .
	#LIU Jian, #LU Yalin, #TIAN Xue, LIN John Z, "Analyses of yearly performance dual-temperature warm air heating system applied in different climates", <i>Applied Thermal Engineering</i> , 194, 14 May 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.117076">https://doi.org/10.1016/j.applthermaleng.2021.117076</a> .
	#LU Yalin, OLADOKUN Majeed Olaide, LIN John Z, "Reducing the exposure risk in hospital wards by applying stratum ventilation system", <i>Building and Environment</i> , 183, 16 August 2020, doi: <a href="https://doi.org/10.1016/j.buildenv.2020.107204">https://doi.org/10.1016/j.buildenv.2020.107204</a> .
<b>MA Qiuwen</b>	LING Florence Y.Y., TEO Pei Xin, LI Shan, ZHANG Zhe, #MA Qiuwen, "Adoption of Integrated Project Delivery Practices for Superior Project Performance", <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 12(4), 28 July 2020, doi: <a href="https://doi.org/10.1061/(ASCE)LA.1943-4170.0000428">https://doi.org/10.1061/(ASCE)LA.1943-4170.0000428</a> .

Section A: Publications of PhD Students

<b>MA Rui</b>	#MA Rui, <u>LI Xin</u> , <u>CHEN Jiayu</u> , "An elastic urban morpho-blocks (EUM) modeling method for urban building morphological analysis and feature clustering", <i>Building and Environment</i> , 192, 23 January 2021, doi: <a href="https://doi.org/10.1016/j.buildenv.2021.107646">https://doi.org/10.1016/j.buildenv.2021.107646</a> .
<b>MAO Yida</b>	#MAO Yida, <u>LIM C W</u> , LI Tianyun, ZHU Xiang, "Thermo-magnetic induced monodirectional periodic acoustic emission from free-standing nano-thin film", <i>Journal of Sound and Vibration</i> , 490, 14 July 2020, doi: <a href="https://doi.org/10.1016/j.jsv.2020.115569">https://doi.org/10.1016/j.jsv.2020.115569</a> .
<b>MEI Huanhuan</b>	#ZHU Jiaqi, <u>HE Xiaoqiao</u> , #YANG Dong, #BIE Zhiwu, #MEI Huanhuan, TIAN Xiaobao, "A peridynamic model for fracture analysis of polycrystalline BCC-Fe associated with molecular dynamics simulation", <i>Theoretical and Applied Fracture Mechanics</i> , 114, 24 April 2021, doi: <a href="https://doi.org/10.1016/j.tafmec.2021.102999">https://doi.org/10.1016/j.tafmec.2021.102999</a> .
	#MEI Huanhuan, CUI Jianlei, CHENG Yang, <u>HE Xiaoqiao</u> , MEI Xuesong, "飞秒激光诱导多壁碳纳米管与金属电极连接的实验研究", <i>中国激光</i> , 48(8), 01 April 2021, doi: <a href="https://doi.org/10.3788/CJL202148.0802019">https://doi.org/10.3788/CJL202148.0802019</a> .
	#MEI Huanhuan, CUI Jianlei, CHENG Yang, <u>HE Xiaoqiao</u> , MEI Xuesong, "碳纳米管与金属电极异质连接及其电学性能的研究进展", <i>中国激光</i> , 48(8), 01 April 2021, doi: <a href="https://doi.org/10.3788/CJL202148.0802023">https://doi.org/10.3788/CJL202148.0802023</a> .
<b>MI Renjie</b>	#MI Renjie, PAN Ganghua, <u>LIEW Kim Meow</u> , KUANG Tong, "Utilizing recycled aggregate concrete in sustainable construction for a required compressive strength ratio", <i>Journal of Cleaner Production</i> , 276, 19 September 2020, doi: <a href="https://doi.org/10.1016/j.jclepro.2020.124249">https://doi.org/10.1016/j.jclepro.2020.124249</a> .
	#MI Renjie, <u>LIEW Kim Meow</u> , PAN Ganghua, KUANG Tong, "Carbonation resistance study and inhomogeneity evolution of recycled aggregate concretes under loading effects", <i>Cement and Concrete Composites</i> , 118, 07 January 2021, doi: <a href="https://doi.org/10.1016/j.cemconcomp.2020.103916">https://doi.org/10.1016/j.cemconcomp.2020.103916</a> .
	#MI Renjie, PAN Ganghua, LI Yang, "Effects of admixture on properties of recycled aggregate mortar", <i>Journal of Southeast University (English Edition)</i> , 36(3), September 2020, pp 322-327.
	#MI Renjie, PAN Ganghua, LI Yang, KUANG Tong, "Carbonation degree evaluation of recycled aggregate concrete using carbonation zone widths", <i>Journal of CO2 Utilization</i> , 43, 11 November 2020, doi: <a href="https://doi.org/10.1016/j.jcou.2020.101366">https://doi.org/10.1016/j.jcou.2020.101366</a> .
	#MI Renjie, PAN Ganghua, KUANG Tong, "Reducing the Carbonation Zone and Steel Corrosion Zone Widths of Recycled Aggregate Concrete by Optimizing Its Mixing Process", <i>Journal of Materials in Civil Engineering</i> , 33(5), 23 February 2021, doi: <a href="https://doi.org/10.1061/(ASCE)MT.1943-5533.0003672">https://doi.org/10.1061/(ASCE)MT.1943-5533.0003672</a> .
<b>MUHAMMAD -</b>	#MUHAMMAD -, <u>LIM C W</u> , LI Jensen Tsan Hang, #ZHAO Zhen, "Lightweight architected lattice phononic crystals with broadband and multiband vibration mitigation characteristics", <i>Extreme Mechanics Letters</i> , 41, 19 September 2020, doi: <a href="https://doi.org/10.1016/j.eml.2020.100994">https://doi.org/10.1016/j.eml.2020.100994</a> .
	#MUHAMMAD -, <u>LIM C W</u> , VYAS N. S., "A Novel Application of Multi-Resonant Dissipative Elastic Metahousing for Bearings", <i>Acta Mechanica Solida Sinica</i> , 34(4), 10 March 2021, pp 449–465, doi: <a href="https://doi.org/10.1007/s10338-021-00221-3">https://doi.org/10.1007/s10338-021-00221-3</a> .
	#MUHAMMAD -, <u>LIM C W</u> , LEUNG Yee Tak Andrew, "Plane and Surface Acoustic Waves Manipulation by Three-Dimensional Composite Phononic Pillars with 3D Bandgap and Defect Analysis", <i>Acoustics</i> , 3(1), 08 January 2021, pp 25-41, doi: <a href="https://doi.org/10.3390/acoustics3010004">https://doi.org/10.3390/acoustics3010004</a> .
	#MUHAMMAD -, <u>LIM C W</u> , "From Photonic Crystals to Seismic Metamaterials: A Review via Phononic Crystals and Acoustic Metamaterials", <i>Archives of Computational Methods in Engineering</i> , 15 June 2021, doi: <a href="https://doi.org/10.1007/s11831-021-09612-8">https://doi.org/10.1007/s11831-021-09612-8</a> .
	#MUHAMMAD -, <u>LIM C W</u> , "Natural seismic metamaterials: the role of tree branches in the birth of Rayleigh wave bandgap for ground born vibration attenuation", <i>Trees - Structure and Function</i> , 35(4), 22 March 2021, pp 1299–1315, doi: <a href="https://doi.org/10.1007/s00468-021-02117-8">https://doi.org/10.1007/s00468-021-02117-8</a> .

Section A: Publications of PhD Students

	#MUHAMMAD -, LIM C W, "Ultrawide bandgap by 3D monolithic mechanical metastructure for vibration and noise control", <i>Archives of Civil and Mechanical Engineering</i> , 21(2), 13 March 2021, doi: <a href="https://doi.org/10.1007/s43452-021-00201-x">https://doi.org/10.1007/s43452-021-00201-x</a> .
	#MUHAMMAD -, WU Tingkai, LIM C W, "Forest Trees as Naturally Available Seismic Metamaterials: Low Frequency Rayleigh Wave with Extremely Wide Bandgaps", <i>International Journal of Structural Stability and Dynamics</i> , 20(14), 16 December 2020, doi: <a href="https://doi.org/10.1142/S0219455420430142">https://doi.org/10.1142/S0219455420430142</a> .
	#MUHAMMAD -, LIM C W, "Phononic metastructures with ultrawide low frequency three-dimensional bandgaps as broadband low frequency filter", <i>Scientific Reports</i> , 11, 30 March 2021, doi: <a href="https://doi.org/10.1038/s41598-021-86520-8">https://doi.org/10.1038/s41598-021-86520-8</a> .
NIE Fenghua	#NIE Fenghua, JIAN Wei, LAU Denvi, "An atomistic study on the thermomechanical properties of graphene and functionalized graphene sheets modified asphalt", <i>Carbon</i> , 182, 17 June 2021, pp 615-627, doi: <a href="https://doi.org/10.1016/j.carbon.2021.06.055">https://doi.org/10.1016/j.carbon.2021.06.055</a> .
NUNAYON Sunday Segbenu	LAI Chi Keung Alvin, #NUNAYON Sunday Segbenu, "A new UVC-LED system for disinfection of pathogens generated by toilet flushing", <i>Indoor Air</i> , 31(2), 29 September 2020, pp 324-334, doi: <a href="https://doi.org/10.1111/ina.12752">https://doi.org/10.1111/ina.12752</a> .
	#ZHANG Huihui, #NUNAYON Sunday Segbenu, LAI Chi Keung Alvin, "Performance evaluation of flow resistance and ultrafine particle deposition enhancement in an air duct equipped with V-Shaped winglet vortex generators", <i>Building and Environment</i> , 183, 15 August 2020, doi: <a href="https://doi.org/10.1016/j.buildenv.2020.107194">https://doi.org/10.1016/j.buildenv.2020.107194</a> .
OJO Lekan Damilola	#OJO Lekan Damilola, IBRAHIM Bolarinwa , OKE Ayodeji E. , AKINDEINDE Akinsanmi S., "Mitigating Strategies of Threats to Quantity Surveying Profession in the Nigerian Construction Industry", <i>Journal of Construction Project Management and Innovation</i> , 10(2), 31 December 2020, pp 1-13, doi: <a href="https://doi.org/10.36615/cpmi.v10i2.364">https://doi.org/10.36615/cpmi.v10i2.364</a> .
	#OJO Lekan Damilola, OLADINRIN Olugbenga T., OBI Lovelin, "Critical Barriers to Environmental Management System Implementation in the Nigerian Construction Industry", <i>Environmental Management</i> , 68(2), 23 April 2021, pp 147-159, doi: <a href="https://doi.org/10.1007/s00267-021-01473-y">https://doi.org/10.1007/s00267-021-01473-y</a> .
PAN Zhouzhou	#PAN Zhouzhou, ZHANG Lyuwen, LIEW Kim Meow, "Adaptive surrogate-based harmony search algorithm for design optimization of variable stiffness composite materials", <i>Computer Methods in Applied Mechanics and Engineering</i> , 379, 17 March 2021, doi: <a href="https://doi.org/10.1016/j.cma.2021.113754">https://doi.org/10.1016/j.cma.2021.113754</a> .
QIN Chao	#QIN Chao, LU Weizhen Jane, "Effects of ceiling exhaust location on thermal comfort and age of air in room under impinging jet supply scheme", <i>Journal of Building Engineering</i> , 35, 14 November 2020, doi: <a href="https://doi.org/10.1016/j.job.2020.101966">https://doi.org/10.1016/j.job.2020.101966</a> .
QIN Renyuan	#QIN Renyuan, ZHOU Ao, YU Zechuan, WANG Quan, LAU Denvi, "Role of carbon nanotube in reinforcing cementitious materials: An experimental and coarse-grained molecular dynamics study", <i>Cement and Concrete Research</i> , 147, 30 June 2021, doi: <a href="https://doi.org/10.1016/j.cemconres.2021.106517">https://doi.org/10.1016/j.cemconres.2021.106517</a> .
	#QIN Renyuan, ZHOU Ao, CHOW Cheuk Lun, LAU Denvi, "Structural performance and charring of loaded wood under fire", <i>Engineering Structures</i> , 228, 24 November 2020, doi: <a href="https://doi.org/10.1016/j.engstruct.2020.111491">https://doi.org/10.1016/j.engstruct.2020.111491</a> .
	WONG Jasper Ka Wai, KWOK Jeremy Sze Wai John, CHAN Jonathan Cheuk Hung, SHIH Kendrick Co, #QIN Renyuan, LAU Denvi, LAI Jimmy Shiu Ming, "Aerosolization and Fluid Spillage During Phacoemulsification in Human Subjects", <i>Clinical Ophthalmology</i> , 15, 27 January 2021, pp 307-313, doi: <a href="https://doi.org/10.2147/OPHTH.S294778">https://doi.org/10.2147/OPHTH.S294778</a> .
QIN Zhengwen	#QIN Zhengwen, WANG Yu, #LIU Xin, LI Liang, "Spatial-Temporal Variation of Soil Sliding Probability in Cohesive Slopes with Spatially Variable Soils", <i>International Journal of Geomechanics</i> , 21(3), 18 December 2020, doi: <a href="https://doi.org/10.1061/(ASCE)GM.1943-5622.0001931">https://doi.org/10.1061/(ASCE)GM.1943-5622.0001931</a> .
RATHNAYAKE Rathnayake M. N. Uthpala	#RATHNAYAKE Rathnayake M. N. Uthpala, LAU Denvi, CHOW Cheuk Lun, "Review on Energy and Fire Performance of Water Wall Systems as a Green Building Façade", <i>Sustainability</i> , 12(20), 21 October 2020, doi: <a href="https://doi.org/10.3390/su12208713">https://doi.org/10.3390/su12208713</a> .
REN Jing	#REN Jing, LI Siyue, HE Huan, SENETAKIS Kostas, "The tribological behavior of iron tailing sand grain contacts in dry, water and biopolymer immersed states", <i>Granular Matter</i> , 23(1), 14 January 2021, doi: <a href="https://doi.org/10.1007/s10035-020-01068-0">https://doi.org/10.1007/s10035-020-01068-0</a> .

Section A: Publications of PhD Students

<b>SARVADEVABHATLA Sathwik Kasyap</b>	#TIAN Yu, #SARVADEVABHATLA Sathwik Kasyap, SENETAKIS Kostas, "Influence of loading history and soil type on the normal contact behavior of natural sand grain-elastomer composite interfaces", <i>Polymers</i> , 13(11), 01 June 2021, doi: <a href="https://doi.org/10.3390/polym13111830">https://doi.org/10.3390/polym13111830</a> .
	#SARVADEVABHATLA Sathwik Kasyap, SENETAKIS Kostas, COOP Matthew Richard, ZHAO J., "Micromechanical behaviour in shearing of reproduced flat LBS grains with strong and weak artificial bonds", <i>Acta Geotechnica</i> , 16(5), 09 November 2020, pp 1355–1376, doi: <a href="https://doi.org/10.1007/s11440-020-01101-9">https://doi.org/10.1007/s11440-020-01101-9</a> .
	#SARVADEVABHATLA Sathwik Kasyap, LI Siyue, SENETAKIS Kostas, "Influence of natural coating type on the frictional and abrasion behaviour of siliciclastic-coated sedimentary sand grains", <i>Engineering Geology</i> , 281, 23 December 2020, doi: <a href="https://doi.org/10.1016/j.enggeo.2020.105983">https://doi.org/10.1016/j.enggeo.2020.105983</a> .
	#SARVADEVABHATLA Sathwik Kasyap, LI Siyue, SENETAKIS Kostas, "Investigation of the mechanical properties and the influence of micro-structural characteristics of aggregates using micro-indentation and Weibull analysis", <i>Construction and Building Materials</i> , 271, 30 November 2020, doi: <a href="https://doi.org/10.1016/j.conbuildmat.2020.121509">https://doi.org/10.1016/j.conbuildmat.2020.121509</a> .
	LI Siyue, #SARVADEVABHATLA Sathwik Kasyap, SENETAKIS Kostas, "A Study on the Failure Behavior of Sand Grain Contacts with Hertz Modeling, Image Processing, and Statistical Analysis", <i>Sensors</i> , 21(13), doi: <a href="https://doi.org/10.3390/s21134611">https://doi.org/10.3390/s21134611</a> .
	#SARVADEVABHATLA Sathwik Kasyap, SENETAKIS Kostas, "Micromechanical-based experimental and analytical studies on rate effects and stick-slip instability of smooth quartz surfaces in the presence of plastic and non-plastic gouges", <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 45(6), 27 December 2020, pp 776-793, doi: <a href="https://doi.org/10.1002/nag.3178">https://doi.org/10.1002/nag.3178</a> .
<b>SHAFIQUE Muhammad</b>	AZAM Anam, RAFIQ Muhammad , #SHAFIQUE Muhammad, ZHANG Haonan, YUAN Jiahai, "Analyzing the effect of natural gas, nuclear energy and renewable energy on GDP and carbon emissions: A multi-variate panel data analysis", <i>Energy</i> , 219, 15 December 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.119592">https://doi.org/10.1016/j.energy.2020.119592</a> .
	AZAM Anam, RAFIQ Muhammad , #SHAFIQUE Muhammad, ATEEQ Muhammad, YUAN Jiahai, "Investigating the impact of renewable electricity consumption on sustainable economic development: a panel ARDL approach", <i>International Journal of Green Energy</i> , 18(11), 28 March 2021, pp 1185-1192, doi: <a href="https://doi.org/10.1080/15435075.2021.1897825">https://doi.org/10.1080/15435075.2021.1897825</a> .
	#SHAFIQUE Muhammad, AZAM Anam, RAFIQ Muhammad , LUO Xiaowei, "Investigating the nexus among transport, economic growth and environmental degradation: Evidence from panel ARDL approach", <i>Transport Policy</i> , 109, 16 April 2021, pp 61-71, doi: <a href="https://doi.org/10.1016/j.tranpol.2021.04.014">https://doi.org/10.1016/j.tranpol.2021.04.014</a> .
	#SHAFIQUE Muhammad, AZAM Anam, RAFIQ Muhammad , LUO Xiaowei, "Evaluating the Relationship between Freight Transport, Economic Prosperity, Urbanization, and CO <sub>2</sub> Emissions: Evidence from Hong Kong, Singapore, and South Korea", <i>Sustainability</i> , 12(24), 21 December 2020, doi: <a href="https://doi.org/10.3390/su122410664">https://doi.org/10.3390/su122410664</a> .
	RAFIQ Muhammad , #SHAFIQUE Muhammad, ANAM Azam, ATEEQ Muhammad, "Transformer oil-based nanofluid: The application of nanomaterials on thermal, electrical and physicochemical properties of liquid insulation-A review", <i>Ain Shams Engineering Journal</i> , 12(1), 24 September 2020, pp 555-576, doi: <a href="https://doi.org/10.1016/j.asej.2020.08.010">https://doi.org/10.1016/j.asej.2020.08.010</a> .
	AZAM Anam, RAFIQ Muhammad , #SHAFIQUE Muhammad, YUAN Jiahai, "Renewable electricity generation and economic growth nexus in developing countries: An ARDL approach", <i>Economic Research-Ekonomska Istrazivanja</i> , 34(1), 21 January 2021, doi: <a href="https://doi.org/10.1080/1331677X.2020.1865180">https://doi.org/10.1080/1331677X.2020.1865180</a> .
	AZAM Anam, RAFIQ Muhammad , #SHAFIQUE Muhammad, YUAN Jiahai, "An empirical analysis of the non-linear effects of natural gas, nuclear energy, renewable energy and ICT-Trade in leading CO <sub>2</sub> emitter countries: Policy towards CO <sub>2</sub> mitigation and economic sustainability", <i>Journal of Environmental Management</i> , 286, 04 March 2021, doi: <a href="https://doi.org/10.1016/j.jenvman.2021.112232">https://doi.org/10.1016/j.jenvman.2021.112232</a> .

Section A: Publications of PhD Students

	AZAM Anam, RAFIQ Muhammad , #SHAFIQUE Muhammad, ZHANG Haonan, ATEEQ Muhammad, YUAN Jiahai, "Analyzing the relationship between economic growth and electricity consumption from renewable and non-renewable sources: Fresh evidence from newly industrialized countries", <i>Sustainable Energy Technologies and Assessments</i> , 44, 16 January 2021, doi: <a href="https://doi.org/10.1016/j.seta.2021.100991">https://doi.org/10.1016/j.seta.2021.100991</a> .
<b>SHI Chao</b>	#SHI Chao, WANG Yu, "Development of Subsurface Geological Cross-Section from Limited Site-Specific Boreholes and Prior Geological Knowledge Using Iterative Convolution XGBoost", <i>Journal of Geotechnical and Geoenvironmental Engineering</i> , 147(9), 17 June 2021, doi: <a href="https://doi.org/10.1061/(ASCE)GT.1943-5606.0002583">https://doi.org/10.1061/(ASCE)GT.1943-5606.0002583</a> .
<b>SHI Haoyun</b>	LI Ming, LI Qiusheng, #SHI Haoyun, "Aerodynamic pressures on a 5:1 rectangular cylinder in sinusoidal streamwise oscillatory flows with non-zero mean velocities", <i>Journal of Wind Engineering &amp; Industrial Aerodynamics</i> , 208, 19 November 2020, doi: <a href="https://doi.org/10.1016/j.jweia.2020.104440">https://doi.org/10.1016/j.jweia.2020.104440</a> .
<b>SHI Meng</b>	#XIE Wei, LEE Wai Ming, LI Tao, #SHI Meng, CAO Ruifeng, ZHANG Yuchun, "A study of group effects in pedestrian crowd evacuation: Experiments, modelling and simulation", <i>Safety Science</i> , 133, 09 October 2020, doi: <a href="https://doi.org/10.1016/j.ssci.2020.105029">https://doi.org/10.1016/j.ssci.2020.105029</a> .
	MA Yi, LEE Wai Ming, #SHI Meng, YUEN Kwok Kit Richard, "Spontaneous synchronization of motion in pedestrian crowds of different densities", <i>Nature Human Behaviour</i> , 5(4), 04 January 2021, pp 447–457, doi: <a href="https://doi.org/10.1038/s41562-020-00997-3">https://doi.org/10.1038/s41562-020-00997-3</a> .
	#SHI Meng, LEE Wai Ming, MA Yi, #XIE Wei, CAO Ruifeng, "The density-speed correlated mesoscopic model for the study of pedestrian flow", <i>Safety Science</i> , 133, 30 September 2020, doi: <a href="https://doi.org/10.1016/j.ssci.2020.105019">https://doi.org/10.1016/j.ssci.2020.105019</a> .
	CAO Rui Feng, LEE Wai Ming, YUEN Anthony Chun Yin, CHAN Qing Nian, #XIE Wei, #SHI Meng, YEOH Guan Heng, "Development of an evacuation model considering the impact of stress variation on evacuees under fire emergency", <i>Safety Science</i> , 138, 01 March 2021, doi: <a href="https://doi.org/10.1016/j.ssci.2021.105232">https://doi.org/10.1016/j.ssci.2021.105232</a> .
	CAO Rui Feng, LEE Wai Ming, YUEN Anthony Chun Yin, CHEN Timothy Bo Yuan, DE CACHINHO CORDEIRO Ivan Miguel, #SHI Meng, #XIE Wei, YEOH Guan Heng, "Simulation of competitive and cooperative egress movements on the crowd emergency evacuation", <i>Simulation Modelling Practice and Theory</i> , 109, 11 March 2021, doi: <a href="https://doi.org/10.1016/j.simpat.2021.102309">https://doi.org/10.1016/j.simpat.2021.102309</a> .
<b>SONG Zhiwei</b>	#SONG Zhiwei, HE Xiaoqiao, LI Wei, XIE De, "Free vibration analysis of plates with steps and internal line supports by using a modified matched interface and boundary method", <i>Structural Engineering and Mechanics</i> , 76(2), 25 October 2020, pp 239-250, doi: <a href="https://doi.org/10.12989/sem.2020.76.2.239">https://doi.org/10.12989/sem.2020.76.2.239</a> .
	#SONG Zhiwei, LI Wei, HE Xiaoqiao, XIE De, "Comparisons of matched interface and boundary (MIB) method and its interpolation formulation for free vibration analysis of stepped beams and plates", <i>Applied Mathematics and Computation</i> , 394, 04 December 2020, doi: <a href="https://doi.org/10.1016/j.amc.2020.125817">https://doi.org/10.1016/j.amc.2020.125817</a> .
	#SONG Zhiwei, HE Xiaoqiao, LI Wei, XIE De, "Development of Matched Interface and Boundary Method for Buckling Analysis of Plates with Various Interfaces", <i>International Journal of Applied Mechanics</i> , 12(8), September 2020, doi: <a href="https://doi.org/10.1142/S1758825120500866">https://doi.org/10.1142/S1758825120500866</a> .
<b>SUN Weikang</b>	#SUN Weikang, ZHANG Lu-Wen, LIEW Kim Meow, "A smoothed particle hydrodynamics–peridynamics coupling strategy for modeling fluid–structure interaction problems", <i>Computer Methods in Applied Mechanics and Engineering</i> , 371, 03 August 2020, doi: <a href="https://doi.org/10.1016/j.cma.2020.113298">https://doi.org/10.1016/j.cma.2020.113298</a> .
<b>TAO Neng</b>	#TAO Neng, LIU Changcheng, XING Haoran, LU Song, LO Siu Ming, ZHANG Heping, "Experimental and Density Functional Theory Studies on 1,1,1,4,4,4-Hexafluoro-2-Butene Pyrolysis", <i>Molecules</i> , 25(17), 21 August 2020, doi: <a href="https://doi.org/10.3390/molecules25173799">https://doi.org/10.3390/molecules25173799</a> .
<b>TIAN Xue</b>	#LIU Jian, #LU Yalin, #TIAN Xue, NIU Jianlei, LIN John Z, "Performance analysis of a dual temperature heat pump based on ejector-vapor compression cycle", <i>Energy and Buildings</i> , 248, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.enbuild.2021.111194">https://doi.org/10.1016/j.enbuild.2021.111194</a> .
	#TIAN Xue, ZHANG Sheng, AWBI Hazim B., LIAO Chunhui, CHENG Yong, LIN John Z, "Multi-indicator evaluation on ventilation effectiveness of three ventilation methods: An

Section A: Publications of PhD Students

	<p>experimental study", <i>Building and Environment</i>, 180, 06 July 2020, doi: <a href="https://doi.org/10.1016/j.buildenv.2020.107015">https://doi.org/10.1016/j.buildenv.2020.107015</a>.</p> <p>#LIU Jian, #LU Yalin, #TIAN Xue, LIN John Z, "Analyses of yearly performance dual-temperature warm air heating system applied in different climates", <i>Applied Thermal Engineering</i>, 194, 14 May 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.117076">https://doi.org/10.1016/j.applthermaleng.2021.117076</a>.</p> <p>#LIU Jian, #TIAN Xue, LIN John Z, "4E analyses of novel dual-heat source/sink ejector-compression heat pump system", <i>Building and Environment</i>, 196, 12 March 2021, doi: <a href="https://doi.org/10.1016/j.buildenv.2021.107787">https://doi.org/10.1016/j.buildenv.2021.107787</a>.</p> <p>#LIU Jian, #TIAN Xue, ZHANG Lin, "Performance analysis of a novel dual heat source warm air heating system with ecofriendly refrigerants", <i>Building and Environment</i>, 194, 18 February 2021, doi: <a href="https://doi.org/10.1016/j.buildenv.2021.107679">https://doi.org/10.1016/j.buildenv.2021.107679</a>.</p> <p>CHENG Fanghui, ZHANG Sheng, GAO Shasha, #TIAN Xue, LIAO Chunhui, CHENG Yong, "Experimental investigation of airflow pattern and turbulence characteristics of stratum ventilation in heating mode", <i>Building and Environment</i>, 186, 10 October 2020, doi: <a href="https://doi.org/10.1016/j.buildenv.2020.107339">https://doi.org/10.1016/j.buildenv.2020.107339</a>.</p>
<b>TIAN Yu</b>	<p>#TIAN Yu, #SARVADEVABHATLA Sathwik Kasyap, SENETAKIS Kostas, "Influence of loading history and soil type on the normal contact behavior of natural sand grain-elastomer composite interfaces", <i>Polymers</i>, 13(11), 01 June 2021, doi: <a href="https://doi.org/10.3390/polym13111830">https://doi.org/10.3390/polym13111830</a>.</p> <p>#TIAN Yu, SENETAKIS Kostas, "Influence of creep on the small-strain stiffness of sand-rubber mixtures", <i>Geotechnique</i>, 20 March 2021, doi: <a href="https://doi.org/10.1680/jgeot.20.P.208">https://doi.org/10.1680/jgeot.20.P.208</a>.</p>
<b>TIJANI Ibrahim Ajani</b>	<p>#TIJANI Ibrahim Ajani, JIANG Cheng, LIM C W, WU Yufei, "Effect of Load Eccentricity on the Mechanical Response of FRP-Confined Predamaged Concrete under Compression", <i>Journal of Composites for Construction</i>, 24(5), 07 August 2020, doi: <a href="https://doi.org/10.1061/(ASCE)CC.1943-5614.0001071">https://doi.org/10.1061/(ASCE)CC.1943-5614.0001071</a>.</p>
<b>VILLANI Caterina</b>	<p>#VILLANI Caterina, TALAMINI Gianni, "Pedestrianised streets in the global neoliberal city: A battleground between hegemonic strategies of commodification and informal tactics of commoning", <i>Cities</i>, 108, 23 October 2020, doi: <a href="https://doi.org/10.1016/j.cities.2020.102983">https://doi.org/10.1016/j.cities.2020.102983</a>.</p> <p>MURAKAMI Jin, #VILLANI Caterina, TALAMINI Gianni, "The capital value of pedestrianization in Asia's commercial cityscape: Evidence from office towers and retail streets", <i>Transport Policy</i>, 107, 23 April 2021, pp 72-86, doi: <a href="https://doi.org/10.1016/j.tranpol.2021.04.017">https://doi.org/10.1016/j.tranpol.2021.04.017</a>.</p> <p>#VILLANI Caterina, TALAMINI Gianni, HU Zhijian, "On the Same Skywalk in a Time of Pandemic: How a vulnerable group copes with the new conditions in Hong Kong", <i>Asian Journal of Environment-Behaviour Studies</i>, 5(17), September 2020, pp 33-48, doi: <a href="https://doi.org/10.21834/ajeb.v5i17.374">https://doi.org/10.21834/ajeb.v5i17.374</a>.</p>
<b>WANG Chendi</b>	<p>LEUNG Mei-yung, #WANG Chendi, FAMA KIN Ibukun Oluwadara, "Integrated Model for Indoor Built Environment and Cognitive Functional ability of Older Residents with Dementia in Care and Attention Homes", <i>Building and Environment</i>, 195, 24 February 2021, doi: <a href="https://doi.org/10.1016/j.buildenv.2021.107734">https://doi.org/10.1016/j.buildenv.2021.107734</a>.</p>
<b>WANG Jingjing</b>	<p>#WANG Jingjing, #YANG Yiyang, PENG Jiandong, YANG Linchuan, GOU Zhonghua, LU Yi, "Moderation effect of urban density on changes in physical activity during the coronavirus disease 2019 pandemic", <i>Sustainable Cities and Society</i>, 72, 29 May 2021, doi: <a href="https://doi.org/10.1016/j.scs.2021.103058">https://doi.org/10.1016/j.scs.2021.103058</a>.</p>
<b>WANG Xingquan</b>	<p>#WANG Xingquan, JIAN Wei, BUYUKOZTURK Oral, LEUNG Christopher K.Y., LAU Denvid, "Degradation of epoxy/glass interface in hygrothermal environment: An atomistic investigation", <i>Composites Part B: Engineering</i>, 206, 23 November 2020, doi: <a href="https://doi.org/10.1016/j.compositesb.2020.108534">https://doi.org/10.1016/j.compositesb.2020.108534</a>.</p> <p>#WANG Xingquan, LAU Denvid, "Atomistic investigation of GFRP composites under chloride environment", <i>Advances in Structural Engineering</i>, 24(6), 13 October 2020, pp 1138-1149, doi: <a href="https://doi.org/10.1177/1369433220961749">https://doi.org/10.1177/1369433220961749</a>.</p>
<b>WENG Jingwen</b>	<p>#WENG Jingwen, OUYANG D. X., CHEN M. Y., DING C., WANG J., "Influence of Freezing Treatment on the Thermal Runaway Characteristics of Lithium-Ion Batteries", <i>IOP Conference Series: Earth and Environmental Science</i>, 581, 04 December 2020, doi: <a href="https://doi.org/10.1088/1755-1315/581/1/012013">https://doi.org/10.1088/1755-1315/581/1/012013</a>.</p>



Section A: Publications of PhD Students

	#WENG Jingwen, HE Yaping, OUYANG Dongxu, YANG Xiaoqing, CHEN Mingyi, CUI Shitang, ZHANG Guoqing, YUEN Kwok Kit Richard, WANG Jian, "Honeycomb-inspired design of a thermal management module and its mitigation effect on thermal runaway propagation", <i>Applied Thermal Engineering</i> , 195, 28 May 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.117147">https://doi.org/10.1016/j.applthermaleng.2021.117147</a> .
WU Mengmeng	#WU Mengmeng, HUANG Rui, WANG Jianfeng Jeff, "DEM simulations of cemented sands with a statistical representation of micro-bond parameters", <i>Powder Technology</i> , 379, 18 October 2020, pp 96-107, doi: <a href="https://doi.org/10.1016/j.powtec.2020.10.047">https://doi.org/10.1016/j.powtec.2020.10.047</a> .
	#WU Mengmeng, XIONG Linghong, WANG Jianfeng Jeff, "DEM study on effect of particle roundness on biaxial shearing of sand", <i>Underground Space (China)</i> , 20 April 2021, doi: <a href="https://doi.org/10.1016/j.undsp.2021.03.006">https://doi.org/10.1016/j.undsp.2021.03.006</a> .
	XU Hao, QIN Yueping, WANG Gang, FAN Cheng, #WU Mengmeng, WANG Rui, "Discrete element study on mesomechanical behavior of crack propagation in coal samples with two prefabricated fissures under biaxial compression", <i>Powder Technology</i> , 375, 30 July 2020, pp 42-59, doi: <a href="https://doi.org/10.1016/j.powtec.2020.07.097">https://doi.org/10.1016/j.powtec.2020.07.097</a> .
	#WU Mengmeng, WANG Jianfeng Jeff, ZHAO Budi, "DEM modeling of the one-dimensional compression of sands incorporating a statistical particle fragmentation scheme", <i>Canadian Geotechnical Journal</i> , 12 April 2021, doi: <a href="https://doi.org/10.1139/cgj-2020-0308">https://doi.org/10.1139/cgj-2020-0308</a> .
WU Shihai	#WU Shihai, ZHANG Nan, LUO Xiaowei, LU Weizhen Jane, "Intelligent optimal design of floor tiles: A goal-oriented approach based on BIM and parametric design platform", <i>Journal of Cleaner Production</i> , 299, 30 March 2021, doi: <a href="https://doi.org/10.1016/j.jclepro.2021.126754">https://doi.org/10.1016/j.jclepro.2021.126754</a> .
WU Xueying	LU Yi, ZHAO Jianting, #WU Xueying, LO Siu Ming, "Escaping to nature during a pandemic: A natural experiment in Asian cities during the COVID-19 pandemic with big social media data", <i>Science of the Total Environment</i> , 777, 27 February 2021, doi: <a href="https://doi.org/10.1016/j.scitotenv.2021.146092">https://doi.org/10.1016/j.scitotenv.2021.146092</a> .
XIA Zhangqi	WANG Jianfeng Jeff, #XIA Zhangqi, "DEM study of creep and stress relaxation behaviors of dense sand", <i>Computers and Geotechnics</i> , 134, 02 April 2021, doi: <a href="https://doi.org/10.1016/j.compgeo.2021.104142">https://doi.org/10.1016/j.compgeo.2021.104142</a> .
XIAO Longzhu	#XIAO Longzhu, LO Siu Ming, LIU Jixiang, ZHOU Jiangping, "Paying for Travel Distance and Time Saving: Transit Fare and Benefit Mismatch and Its Justice Implications", <i>Journal of Urban Planning and Development</i> , 147(3), 02 June 2021, doi: <a href="https://doi.org/10.1061/(ASCE)UP.1943-5444.0000738">https://doi.org/10.1061/(ASCE)UP.1943-5444.0000738</a> .
	#XIAO Longzhu, LO Siu Ming, LIU Jixiang, ZHOU Jiangping, #LI Qingqing, "Nonlinear and synergistic effects of TOD on urban vibrancy: Applying local explanations for gradient boosting decision tree", <i>Sustainable Cities and Society</i> , 72, 01 June 2021, doi: <a href="https://doi.org/10.1016/j.scs.2021.103063">https://doi.org/10.1016/j.scs.2021.103063</a> .
	#XIAO Longzhu, LO Siu Ming, ZHOU Jiangping, LIU Jixiang, YANG Linchuan, "Predicting vibrancy of metro station areas considering spatial relationships through graph convolutional neural networks: The case of Shenzhen, China", <i>Environment and Planning B: Urban Analytics and City Science</i> , 08 December 2020, doi: <a href="https://doi.org/10.1177/2399808320977866">https://doi.org/10.1177/2399808320977866</a> .
	LIU Jixiang, WANG Bo, #XIAO Longzhu, "Non-linear associations between built environment and active travel for working and shopping: An extreme gradient boosting approach", <i>Journal of Transport Geography</i> , 92, 31 March 2021, doi: <a href="https://doi.org/10.1016/j.jtrangeo.2021.103034">https://doi.org/10.1016/j.jtrangeo.2021.103034</a> .
	LI Miaoyi, LIU Jixiang, LIN Yifei, #XIAO Longzhu, ZHOU Jiangping, "Revitalizing historic districts: Identifying built environment predictors for street vibrancy based on urban sensor data", <i>Cities</i> , 117, 16 June 2021, doi: <a href="https://doi.org/10.1016/j.cities.2021.103305">https://doi.org/10.1016/j.cities.2021.103305</a> .
	LIU Jixiang, #XIAO Longzhu, WANG Bo, "建成环境对老年人活力出行的影响——基于极端梯度提升决策树的研究", <i>科技导报</i> , 39(8), 2021, pp 102-111.
	#XIAO Longzhu, YANG Linchuan, LIU Jixiang, YANG Hongtai, "Built Environment Correlates of the Propensity of Walking and Cycling", <i>Sustainability (Switzerland)</i> , 12(20), 21 October 2020, doi: <a href="https://doi.org/10.3390/su12208752">https://doi.org/10.3390/su12208752</a> .

Section A: Publications of PhD Students

<b>XIE Wei</b>	#XIE Wei, LEE Wai Ming, LI Tao, #SHI Meng, CAO Ruifeng, ZHANG Yuchun, "A study of group effects in pedestrian crowd evacuation: Experiments, modelling and simulation", <i>Safety Science</i> , 133, 09 October 2020, doi: <a href="https://doi.org/10.1016/j.ssci.2020.105029">https://doi.org/10.1016/j.ssci.2020.105029</a> .
	#SHI Meng, LEE Wai Ming, MA Yi, #XIE Wei, CAO Ruifeng, "The density-speed correlated mesoscopic model for the study of pedestrian flow", <i>Safety Science</i> , 133, 30 September 2020, doi: <a href="https://doi.org/10.1016/j.ssci.2020.105019">https://doi.org/10.1016/j.ssci.2020.105019</a> .
	CAO Rui Feng, LEE Wai Ming, YUEN Anthony Chun Yin, CHAN Qing Nian, #XIE Wei, #SHI Meng, YEOH Guan Heng, "Development of an evacuation model considering the impact of stress variation on evacuees under fire emergency", <i>Safety Science</i> , 138, 01 March 2021, doi: <a href="https://doi.org/10.1016/j.ssci.2021.105232">https://doi.org/10.1016/j.ssci.2021.105232</a> .
	CAO Rui Feng, LEE Wai Ming, YUEN Anthony Chun Yin, CHEN Timothy Bo Yuan, DE CACHINHO CORDEIRO Ivan Miguel, #SHI Meng, #XIE Wei, YEOH Guan Heng, "Simulation of competitive and cooperative egress movements on the crowd emergency evacuation", <i>Simulation Modelling Practice and Theory</i> , 109, 11 March 2021, doi: <a href="https://doi.org/10.1016/j.simpat.2021.102309">https://doi.org/10.1016/j.simpat.2021.102309</a> .
<b>XIONG Wei</b>	#XIONG Wei, WANG Jianfeng Jeff, "Gene mutation of particle morphology through spherical harmonic-based principal component analysis", <i>Powder Technology</i> , 386, 18 March 2021, pp 176-192, doi: <a href="https://doi.org/10.1016/j.powtec.2021.03.032">https://doi.org/10.1016/j.powtec.2021.03.032</a> .
<b>XU Jiabao</b>	#XU Jiabao, WANG Yu, ZHANG Lulu, "Interpolation of extremely sparse geo-data by data fusion and collaborative Bayesian compressive sampling", <i>Computers and Geotechnics</i> , 134, 03 April 2021, doi: <a href="https://doi.org/10.1016/j.compgeo.2021.104098">https://doi.org/10.1016/j.compgeo.2021.104098</a> .
	#XU Jiabao, ZHANG Lulu, WANG Yu, WANG Changhong, ZHENG Jianguo, YU Yongtang, "Probabilistic estimation of cross-variogram based on Bayesian inference", <i>Engineering Geology</i> , 277, 18 August 2020, doi: <a href="https://doi.org/10.1016/j.enggeo.2020.105813">https://doi.org/10.1016/j.enggeo.2020.105813</a> .
<b>YANG Dong</b>	#ZHU Jiaqi, HE Xiaoqiao, #YANG Dong, #BIE Zhiwu, #MEI Huanhuan, TIAN Xiaobao, "A peridynamic model for fracture analysis of polycrystalline BCC-Fe associated with molecular dynamics simulation", <i>Theoretical and Applied Fracture Mechanics</i> , 114, 24 April 2021, doi: <a href="https://doi.org/10.1016/j.tafmec.2021.102999">https://doi.org/10.1016/j.tafmec.2021.102999</a> .
	#YANG Dong, HE Xiaoqiao, #ZHU Jiaqi, #BIE Zhiwu, "A novel damage model in the peridynamics-based cohesive zone method (PD-CZM) for mixed mode fracture with its implicit implementation", <i>Computer Methods in Applied Mechanics and Engineering</i> , 377, 22 February 2021, doi: <a href="https://doi.org/10.1016/j.cma.2021.113721">https://doi.org/10.1016/j.cma.2021.113721</a> .
	#BIE Zhiwu, LIU Xuefeng, TAO Jixiao, #ZHU Jiaqi, #YANG Dong, HE Xiaoqiao, "Investigation of carbon nanosprings with the tunable mechanical properties controlled by the defect distribution", <i>Carbon</i> , 179, 17 April 2021, pp 240-255, doi: <a href="https://doi.org/10.1016/j.carbon.2021.04.035">https://doi.org/10.1016/j.carbon.2021.04.035</a> .
	LIU Xuefeng, HE Xiaoqiao, SUN Ligang, WANG Jinbao, #YANG Dong, SHI Xian, "A chirality-dependent peridynamic model for the fracture analysis of graphene sheets", <i>Mechanics of Materials</i> , 149, 17 July 2020, doi: <a href="https://doi.org/10.1016/j.mechmat.2020.103535">https://doi.org/10.1016/j.mechmat.2020.103535</a> .
<b>YANG Haibin</b>	#YANG Haibin, MONASTERIO Manuel, #ZHENG Dapeng, CUI Hongzhi, TANG Wai Ching Patrick, BAO Xiaohua, CHEN Xiangsheng, "Effects of nano silica on the properties of cement-based materials: A comprehensive review", <i>Construction and Building Materials</i> , 282, 26 February 2021, doi: <a href="https://doi.org/10.1016/j.conbuildmat.2021.122715">https://doi.org/10.1016/j.conbuildmat.2021.122715</a> .
	ZHANG Bo, #YANG Haibin, XU Tao, TANG Wai Ching Patrick, CUI Hongzhi, "Mechanical and Thermo-Physical Performances of Gypsum-Based PCM Composite Materials Reinforced with Carbon Fiber", <i>Applied Sciences (Switzerland)</i> , 11(2), 06 January 2021, doi: <a href="https://doi.org/10.3390/app11020468">https://doi.org/10.3390/app11020468</a> .
<b>YANG Yiyang</b>	#WANG Jingjing, #YANG Yiyang, PENG Jiandong, YANG Linchuan, GOU Zhonghua, LU Yi, "Moderation effect of urban density on changes in physical activity during the coronavirus disease 2019 pandemic", <i>Sustainable Cities and Society</i> , 72, 29 May 2021, doi: <a href="https://doi.org/10.1016/j.scs.2021.103058">https://doi.org/10.1016/j.scs.2021.103058</a> .
	HE Hui, LIN Xiaowu, #YANG Yiyang, LU Yi, "Association of street greenery and physical activity in older adults: A novel study using pedestrian-centered photographs", <i>Urban Forestry and Urban Greening</i> , 55, 22 July 2020, doi: <a href="https://doi.org/10.1016/j.ufug.2020.126789">https://doi.org/10.1016/j.ufug.2020.126789</a> .

Section A: Publications of PhD Students

	<p>#<a href="#">YANG Yiyang</a>, <a href="#">LU Yi</a>, YANG Haoran, YANG Linchuan, GOU Zhonghua, "Impact of the quality and quantity of eye-level greenery on park usage", <i>Urban Forestry and Urban Greening</i>, 60, 25 February 2021, doi: <a href="https://doi.org/10.1016/j.ufug.2021.127061">https://doi.org/10.1016/j.ufug.2021.127061</a>.</p> <p>#<a href="#">YANG Yiyang</a>, <a href="#">LU Yi</a>, YANG Linchuan, GOU Zhonghua, LIU Ye, "Urban greenery cushions the decrease in leisure-time physical activity during the COVID-19 pandemic: A natural experimental study", <i>Urban Forestry and Urban Greening</i>, 62, 20 April 2021, doi: <a href="https://doi.org/10.1016/j.ufug.2021.127136">https://doi.org/10.1016/j.ufug.2021.127136</a>.</p> <p>JIANG Bin, SHEN Ke, SULLIVAN William C., #<a href="#">YANG Yiyang</a>, LIU Xueming, <a href="#">LU Yi</a>, "A natural experiment reveals impacts of built environment on suicide rate: Developing an environmental theory of suicide", <i>Science of the Total Environment</i>, 776, 10 February 2021, doi: <a href="https://doi.org/10.1016/j.scitotenv.2021.145750">https://doi.org/10.1016/j.scitotenv.2021.145750</a>.</p>
<b>YIN Binbin</b>	<p>#<a href="#">LI Gen</a>, #<a href="#">YIN Binbin</a>, ZHANG Lyuwen, <a href="#">LIEW Kim Meow</a>, "A framework for phase-field modeling of interfacial debonding and frictional slipping in heterogeneous composites", <i>Computer Methods in Applied Mechanics and Engineering</i>, 382, 28 April 2021, doi: <a href="https://doi.org/10.1016/j.cma.2021.113872">https://doi.org/10.1016/j.cma.2021.113872</a>.</p>
<b>ZHANG Huihui</b>	<p>#<a href="#">ZHANG Huihui</a>, #<a href="#">NUNAYON Sunday Segbenu</a>, <a href="#">LAI Chi Keung Alvin</a>, "Performance evaluation of flow resistance and ultrafine particle deposition enhancement in an air duct equipped with V-Shaped winglet vortex generators", <i>Building and Environment</i>, 183, 15 August 2020, doi: <a href="https://doi.org/10.1016/j.buildenv.2020.107194">https://doi.org/10.1016/j.buildenv.2020.107194</a>.</p> <p>#<a href="#">LU Yuhao</a>, <a href="#">YANG Bin</a>, #<a href="#">ZHANG Huihui</a>, <a href="#">LAI Chi Keung Alvin</a>, "Inactivation of foodborne pathogenic and spoilage bacteria by single and dual wavelength UV-LEDs: Synergistic effect and pulsed operation", <i>Food Control</i>, 125, 22 February 2021, doi: <a href="https://doi.org/10.1016/j.foodcont.2021.107999">https://doi.org/10.1016/j.foodcont.2021.107999</a>.</p> <p>YANG Yi, #<a href="#">ZHANG Huihui</a>, <a href="#">LAI Chi Keung Alvin</a>, "Lagrangian modeling of inactivation of airborne microorganisms by in-duct ultraviolet lamps", <i>Building and Environment</i>, 188, 21 November 2020, doi: <a href="https://doi.org/10.1016/j.buildenv.2020.107465">https://doi.org/10.1016/j.buildenv.2020.107465</a>.</p>
<b>ZHANG Nan</b>	<p>LI Yantong, NORD Natasa, #<a href="#">ZHANG Nan</a>, ZHOU Cheng, "An ANN-based optimization approach of building energy systems: Case study of swimming pool", <i>Journal of Cleaner Production</i>, 277, 04 September 2020, doi: <a href="https://doi.org/10.1016/j.jclepro.2020.124029">https://doi.org/10.1016/j.jclepro.2020.124029</a>.</p> <p>LI Shiyao, PAN Yiqun, XU Peng, #<a href="#">ZHANG Nan</a>, "A decentralized peer-to-peer control scheme for heating and cooling trading in distributed energy systems", <i>Journal of Cleaner Production</i>, 285, 26 October 2020, doi: <a href="https://doi.org/10.1016/j.jclepro.2020.124817">https://doi.org/10.1016/j.jclepro.2020.124817</a>.</p>
<b>ZHANG Yan</b>	<p>CHENG Wenhua, #<a href="#">ZHANG Yan</a>, TIAN Wenxiang, LIU Jiajia, LU Jingyi, WANG Bibo, XING Weiyi, HU Yuan, "Highly Efficient MXene-Coated Flame Retardant Cotton Fabric for Electromagnetic Interference Shielding", <i>Industrial &amp; Engineering Chemistry Research</i>, 59(31), 09 July 2020, pp 14025-14036, doi: <a href="https://doi.org/10.1021/acs.iecr.0c02618">https://doi.org/10.1021/acs.iecr.0c02618</a>.</p>
<b>ZHANG Yelin</b>	<p>#<a href="#">ZHANG Yelin</a>, ZHANG Xingxing, HUANG Pei, <a href="#">SUN Yongjun</a>, "Global sensitivity analysis for key parameters identification of net-zero energy buildings for grid interaction optimization", <i>Applied Energy</i>, 279, 08 September 2020, doi: <a href="https://doi.org/10.1016/j.apenergy.2020.115820">https://doi.org/10.1016/j.apenergy.2020.115820</a>.</p> <p>#<a href="#">ZHANG Yelin</a>, LIU Zhongbing, WANG Pengcheng, "Evaluation of a stand-alone photovoltaic/thermal integrated thermoelectric water heating system", <i>Renewable Energy</i>, 162, 25 September 2020, pp 1533-1553, doi: <a href="https://doi.org/10.1016/j.renene.2020.09.105">https://doi.org/10.1016/j.renene.2020.09.105</a>.</p>
<b>ZHANG Zheng</b>	<p>ZHOU Yuyang, TAWIAH Benjamin, NOOR Nuruzzaman, #<a href="#">ZHANG Zheng</a>, SUN Jun, <a href="#">YUEN Kwok Kit Richard</a>, FEI Bin, "A facile and sustainable approach for simultaneously flame retarded, UV protective and reinforced poly(lactic acid) composites using fully bio-based complexing couples", <i>Composites Part B: Engineering</i>, 215, 26 March 2021, doi: <a href="https://doi.org/10.1016/j.compositesb.2021.108833">https://doi.org/10.1016/j.compositesb.2021.108833</a>.</p>
<b>ZHAO Zhen</b>	<p>#<a href="#">MUHAMMAD - LIM C W</a>, LI Jensen Tsan Hang, #<a href="#">ZHAO Zhen</a>, "Lightweight architected lattice phononic crystals with broadband and multiband vibration mitigation characteristics", <i>Extreme Mechanics Letters</i>, 41, 19 September 2020, doi: <a href="https://doi.org/10.1016/j.eml.2020.100994">https://doi.org/10.1016/j.eml.2020.100994</a>.</p> <p>#<a href="#">ZHAO Zhen</a>, WANG Wei, LIAN Zeng-Bo, WANG Jun-Yi, TONG Zhen-Zhen, <a href="#">LIM C W</a>, ZHOU Zhen-Huan, XU Xincheng, "局部表面纳米化双层嵌套式金属薄壁吸能结构的数值模拟和设计", <i>计算力学学报</i>, 37(6), December 2020, pp 770-775.</p>

Section A: Publications of PhD Students

	# <u>ZHAO Zhen</u> , NI Yiwen, ZHU Shengbo, TONG Zhenzhen, ZHANG Junlin, ZHOU Zhenhuan, <u>LIM C W</u> , XU Xinsheng, "Thermo-Electro-Mechanical Size-Dependent Buckling Response for Functionally Graded Graphene Platelet Reinforced Piezoelectric Cylindrical Nanoshells", <i>International Journal of Structural Stability and Dynamics</i> , 20(9), 19 August 2020, doi: <a href="https://doi.org/10.1142/S021945542050100X">https://doi.org/10.1142/S021945542050100X</a> .
<b>ZHENG Dapeng</b>	# <u>ZHENG Dapeng</u> , CUI Hongzhi, TANG Wai Ching Patrick, SANG Guochan, <u>LO Yiu Tommy</u> , "Influence and mechanisms of active silica in solid waste on hydration of tricalcium aluminate in the resulting composite cement", <i>Materials Today Communications</i> , 27, 17 March 2021, doi: <a href="https://doi.org/10.1016/j.mtcomm.2021.102262">https://doi.org/10.1016/j.mtcomm.2021.102262</a> .
	JIN Yu, FENG Weipeng, # <u>ZHENG Dapeng</u> , DONG Zhijun, CUI Hongzhi, "Structure refinement of fly ash in connection with its reactivity in geopolymerization", <i>Waste Management</i> , 118, 11 September 2020, pp 350-359, doi: <a href="https://doi.org/10.1016/j.wasman.2020.08.049">https://doi.org/10.1016/j.wasman.2020.08.049</a> .
	# <u>YANG Haibin</u> , MONASTERIO Manuel, # <u>ZHENG Dapeng</u> , CUI Hongzhi, TANG Wai Ching Patrick, BAO Xiaohua, CHEN Xiangsheng, "Effects of nano silica on the properties of cement-based materials: A comprehensive review", <i>Construction and Building Materials</i> , 282, 26 February 2021, doi: <a href="https://doi.org/10.1016/j.conbuildmat.2021.122715">https://doi.org/10.1016/j.conbuildmat.2021.122715</a> .
	# <u>ZHENG Dapeng</u> , MONASTERIO Manuel, FENG Weipeng, TANG Wai Ching Patrick, CUI Hongzhi, DONG Zhijun, "Hydration Characteristics of Tricalcium Aluminate in the Presence of Nano-Silica", <i>Nanomaterials</i> , 11(1), 14 January 2021, doi: <a href="https://doi.org/10.3390/nano11010199">https://doi.org/10.3390/nano11010199</a> .
<b>ZHENG Zhuang</b>	# <u>ZHENG Zhuang</u> , <u>LI Xin</u> , PAN Jia, <u>LUO Xiaowei</u> , "A multi-year two-stage stochastic programming model for optimal design and operation of residential photovoltaic-battery systems", <i>Energy and Buildings</i> , 239, 19 February 2021, doi: <a href="https://doi.org/10.1016/j.enbuild.2021.110835">https://doi.org/10.1016/j.enbuild.2021.110835</a> .
	# <u>ZHENG Zhuang</u> , <u>SUN Zhankun</u> , PAN Jia, <u>LUO Xiaowei</u> , "An integrated smart home energy management model based on a pyramid taxonomy for residential houses with photovoltaic-battery systems", <i>Applied Energy</i> , 298, 14 June 2021, doi: <a href="https://doi.org/10.1016/j.apenergy.2021.117159">https://doi.org/10.1016/j.apenergy.2021.117159</a> .
<b>ZHOU Kang</b>	# <u>ZHOU Kang</u> , <u>LI Qiusheng</u> , "Reliability analysis of damping estimation by random decrement technique for high-rise buildings", <i>Earthquake Engineering and Structural Dynamics</i> , 50(5), 26 November 2020, pp 1251-1270, doi: <a href="https://doi.org/10.1002/eqe.3396">https://doi.org/10.1002/eqe.3396</a> .
	# <u>ZHOU Kang</u> , <u>LI Qiusheng</u> , "Effects of time-variant modal frequencies of high-rise buildings on damping estimation", <i>Earthquake Engineering and Structural Dynamics</i> , 50(5), 11 August 2020, pp 394-414, doi: <a href="https://doi.org/10.1002/eqe.3336">https://doi.org/10.1002/eqe.3336</a> .
	# <u>HAN Xuliang</u> , <u>LI Qiusheng</u> , <u>LI Xiao</u> , # <u>ZHOU Kang</u> , "Multipoint Synchronous Monitoring of Cladding Pressures on a 600-m-High Skyscraper during Super Typhoon Mangkhut 2018", <i>Journal of Structural Engineering</i> , 147(7), 16 April 2021, doi: <a href="https://doi.org/10.1061/(ASCE)ST.1943-541X.0003040">https://doi.org/10.1061/(ASCE)ST.1943-541X.0003040</a> .
	<u>SUN Meng-Meng</u> , <u>LI Qiusheng</u> , # <u>ZHOU Kang</u> , # <u>HE Yinghou</u> , ZHI Lunhai, "Modal Identification from Non-Stationary Responses of High-Rise Buildings by Variational Mode Decomposition and Direct Interpolation Techniques", <i>International Journal of Structural Stability and Dynamics</i> , 20(11), 02 September 2020, doi: <a href="https://doi.org/10.1142/S0219455420501151">https://doi.org/10.1142/S0219455420501151</a> .
<b>ZHOU Zhizuan</b>	# <u>ZHOU Zhizuan</u> , ZHOU Xiaodong, WANG Dong, LI Maoyu, WANG Boxuan, YANG Lizhong, CAO Bei, "Experimental analysis of lengthwise/transversal thermal characteristics and jet flow of large-format prismatic lithium-ion battery", <i>Applied Thermal Engineering</i> , 195, 19 June 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.117244">https://doi.org/10.1016/j.applthermaleng.2021.117244</a> .
<b>ZHU Jiaqi</b>	# <u>ZHU Jiaqi</u> , <u>HE Xiaoqiao</u> , # <u>YANG Dong</u> , # <u>BIE Zhiwu</u> , # <u>MEI Huanhuan</u> , TIAN Xiaobao, "A peridynamic model for fracture analysis of polycrystalline BCC-Fe associated with molecular dynamics simulation", <i>Theoretical and Applied Fracture Mechanics</i> , 114, 24 April 2021, doi: <a href="https://doi.org/10.1016/j.tafmec.2021.102999">https://doi.org/10.1016/j.tafmec.2021.102999</a> .
	# <u>YANG Dong</u> , <u>HE Xiaoqiao</u> , # <u>ZHU Jiaqi</u> , # <u>BIE Zhiwu</u> , "A novel damage model in the peridynamics-based cohesive zone method (PD-CZM) for mixed mode fracture with its implicit implementation", <i>Computer Methods in Applied Mechanics and Engineering</i> , 377, 22 February 2021, doi: <a href="https://doi.org/10.1016/j.cma.2021.113721">https://doi.org/10.1016/j.cma.2021.113721</a> .
	# <u>BIE Zhiwu</u> , LIU Xuefeng, TAO Jixiao, # <u>ZHU Jiaqi</u> , # <u>YANG Dong</u> , <u>HE Xiaoqiao</u> , "Investigation of carbon nanosprings with the tunable mechanical properties controlled by the defect

Section A: Publications of PhD Students

	distribution", <i>Carbon</i> , 179, 17 April 2021, pp 240-255, doi: <a href="https://doi.org/10.1016/j.carbon.2021.04.035">https://doi.org/10.1016/j.carbon.2021.04.035</a> .
<b>ZHU Liuying</b>	#ZHU Liuying, CHEUNG Sai On, "Equity gap in construction contracting: identification and ramifications", <i>Engineering, Construction and Architectural Management</i> , 22 February 2021, doi: <a href="https://doi.org/10.1108/ECAM-09-2020-0725">https://doi.org/10.1108/ECAM-09-2020-0725</a> .
<b>ZORDAN Mirna</b>	#ZORDAN Mirna, TSOU Jin Yeu, "Urban Transitions in Pandemic Scenarios: Insights from Hong Kong", <i>Journal of ASIAN Behavioural Studies</i> , 5(17), 31 August 2020, pp 55-70, doi: <a href="https://doi.org/10.21834/jabs.v5i17.376">https://doi.org/10.21834/jabs.v5i17.376</a> .
<b>Conference papers</b>	
<b>ADEAGBO Mujib Olamide</b>	#ADEAGBO Mujib Olamide, LAM Heung Fai, "A Bayesian extended sequential sensor optimization scheme for damage detection in ballasted tracks", <i>The 24th Annual Conference of HKSTAM 2020 in conjunction with the 16th Shanghai–Hong Kong Forum on Mechanics and Its Application</i> , Online, Hong Kong, 05-05 December 2020, pp 12.
<b>AGHIMIEN Emmanuel Imuetinyan</b>	#AGHIMIEN Emmanuel Imuetinyan, LI Hin Wa, "A study of illuminance data generation using the luminous efficacy approach: A case study of Hong Kong", <i>54th International Conference of the Architectural Science Association (ANZAScA) 2020</i> , Virtual Conference, Auckland, New Zealand, 26-27 November 2020, pp 141-150.
<b>AHMED Khursheed</b>	LEUNG Mei-yung, #AHMED Khursheed, "Mindfulness-based Stress Reduction Workshop: Reducing Stress and Improving Coping Behaviours of Construction Professionals", <i>Proceedings of the Joint CIB W099 &amp; TG59 International Web-Conference 2020 - Good Health, Wellbeing &amp; Decent Work</i> , Webinar, Glasgow, United Kingdom, 10 September 2020, pp 120-131, (ISBN: 978-1-90586-698-4).
<b>CAO Nan</b>	CHEUNG Sai On, #CAO Nan, MA Wing Sum Alfred, "USING KPI FOR INCENTIVIZATION", <i>Proceedings of International Structural Engineering and Construction</i> , This conference will hold both on-site and online presentations, Christchurch, New Zealand, 30 November - 03 December 2020.
<b>CHEN Wenqiang</b>	#LI Shuyang, LI Hin Wa, #CHEN Wenqiang, "A comparative study between Daylight Factor Based Metric and other Daylight Metrics for Daylighting Design", <i>The 54th International Conference of the Architectural Science Association - Imaginable Futures: Design Thinking, and the Scientific Method</i> , Virtual, Auckland, New Zealand, 26-27 November 2020, pp 11-20, (ISBN: 9780992383572).
<b>KE Jinjing</b>	XIANG Qingting, LUO Xiaowei, YE Gui, GONG Xiaoli, #KE Jinjing, "A methodology for analyzing information needs in construction", <i>Construction Research Congress 2020 - Safety, Workforce, and Education</i> , Tempe, United States, 08-10 March 2020, pp 157-164, (ISBN: 9780784482872).
	#KE Jinjing, LUO Xiaowei, CHEN Hainan, "Investigating Information Overload Cognitive Correlation Crane Operators", <i>EG-ICE 2020 Proceedings - Workshop on Intelligent Computing in Engineering</i> , Online, Berlin, Germany, 01-04 July 2020, pp 22-32, (ISBN: 9783798331556,9783798331563).
<b>LI Hongliu</b>	ZHANG Jun, REN Xiangxia, #LI Hongliu, SONG Weiguo, "Experimental Study on Pedestrian Flow Under Different Age Groups and Movement Motivations", <i>Traffic and Granular Flow 2019</i> , Pamplona, Spain, 02-05 July 2019, pp 315-320, (ISBN: 9783030559724,9783030559731).
	#LI Hongliu, ZHANG Jun, SONG Weiguo, YUEN Kwok Kit Richard, "Evacuation Characteristics of Students Passing Through Bottlenecks", <i>Traffic and Granular Flow 2019</i> , Pamplona, Spain, 02-05 July 2019, pp 159-164, (ISBN: 9783030559724,9783030559731).
	MA Weibin, WANG Zhiwei, #LI Hongliu, "Simulation of pedestrians passing through bottlenecks based on generalized centrifugal force model", <i>ICMSS 2021 - 2021 5th International Conference on Management Engineering, Software Engineering and Service Sciences</i> , Virtual, Chengdu, China, 08-10 January 2021, pp 164-168, (ISBN: 9781450389709).
<b>LI Shuyang</b>	#LI Shuyang, LI Hin Wa, #CHEN Wenqiang, "A comparative study between Daylight Factor Based Metric and other Daylight Metrics for Daylighting Design", <i>The 54th International Conference of the Architectural Science Association - Imaginable Futures: Design Thinking, and the Scientific Method</i> , Virtual, Auckland, New Zealand, 26-27 November 2020, pp 11-20, (ISBN: 9780992383572).

Section A: Publications of PhD Students

<b>LIN Sen</b>	# <a href="#">LIN Sen</a> , <a href="#">CHEUNG Sai On</a> , "Analyzing intention to settle in construction dispute negotiation", <i>2021 Creative Construction e-Conference</i> , Online, 28-30 June 2021.
	<a href="#">CHEUNG Sai On</a> , # <a href="#">LIN Sen</a> , <a href="#">KWAN Tsz Hin</a> , "Use of incentive in construction: Carrot or stick", <i>Proceedings of International Structural Engineering and Construction</i> , This conference will hold both on-site and online presentations, Christchurch, New Zealand, 30 November - 03 December 2020.
<b>NUNAYON Sunday Segbenu</b>	# <a href="#">NUNAYON Sunday Segbenu</a> , # <a href="#">ZHANG Huihui</a> , <a href="#">LAI Chi Keung Alvin</a> , "Comparing the efficacy of UVC-LED and low-pressure mercury lamps upper-room UVGI systems for air disinfection", <i>16th International Conference on Indoor Air Quality and Climate (INDOOR AIR 2020)</i> , Virtual, 01-05 November 2020, pp 819-824, (ISBN: 9781713823605).
<b>OJO Lekan Damilola</b>	# <a href="#">OJO Lekan Damilola</a> , <a href="#">LEUNG Mei-yung</a> , "Value Management in Africa: A Literature Review", <i>SAVE International 2021 Value Summit - PROCEEDINGS</i> , Virtual, 05-09 June 2021, pp 226-233.
<b>OUYANG Yewei</b>	# <a href="#">OUYANG Yewei</a> , <a href="#">WONG Chi Kwong</a> , <a href="#">LUO Xiaowei</a> , "Assessing Students' Hazard Identification Ability in Virtual Reality using Eye Tracking Devices", <i>EG-ICE 2020 Proceedings - Workshop on Intelligent Computing in Engineering</i> , Online, Berlin, Germany, 01-04 July 2020, pp 12-21, (ISBN: 9783798331556,9783798331563).
<b>QIN Renyuan</b>	# <a href="#">QIN Renyuan</a> , <a href="#">LAU Denuid</a> , "Effect of sampling rates on the accuracy of acoustic-laser technique in defect detection and upsampling using machine learning", <i>Nondestructive Characterization and Monitoring of Advanced Materials, Aerospace, Civil Infrastructure, and Transportation XV</i> , Online, United States, 22-26 March 2021, (ISBN: 9781510640139,9781510640146).
<b>SHI Chao</b>	# <a href="#">SHI Chao</a> , <a href="#">WANG Yu</a> , "Comparative study of data-driven machine learning methods for spatially interpolating non-stationary and non-Gaussian geotechnical properties", <i>7th Asian-Pacific Symposium on Structural Reliability and Its Applications (APSSRA2020)</i> , The University of Tokyo, Online, Tokyo, Japan, 04-07 October 2020.
<b>SUN Cong</b>	# <a href="#">ZHANG Lujia</a> , <a href="#">XUE Qiuli Charlie</a> , # <a href="#">SUN Cong</a> , "Metro Monuments in the New Age: A Historical Study of the Henan Art Center and the Zhengdong New District", <i>East Asian Architecture in Globalization - Values, Inheritance and Dissemination</i> , Tianjin University, Tianjin, China, 13-17 October 2017, pp 364-373, (ISBN: 9783030759360,9783030759377,9783030759391).
<b>VILLANI Caterina</b>	TÜRKYILMAZ Çiğdem Canbay, # <a href="#">VILLANI Caterina</a> , "Investigating Urban Ergonomics Features through Healthy City Approach: The Case of Istanbul and Singapore", <i>AicQoL2021BukitTinggi - AMER International Conference on Quality of Life</i> , Pahang, Malaysia, 17-18 March 2021, pp 301-308.
	# <a href="#">VILLANI Caterina</a> , <a href="#">TALAMINI Gianni</a> , <a href="#">HU Zhijian</a> , "The Patterns of Stationary Activities during COVID-19 Distancing Relaxation: The elevated pedestrian network of Mong Kok, Hong Kong", <i>Environment-Behaviour Proceedings Journal</i> , Virtual Conference, Malaysia, 02-03 December 2020, pp 445-452.
<b>WEI Xiaoyi</b>	# <a href="#">WEI Xiaoyi</a> , <a href="#">LEUNG Mei-yung</a> , "Exploring Value Management Practices in Regions along the Belt and Road", <i>SAVE International 2021 Value Summit - PROCEEDINGS</i> , Virtual, 05-09 June 2021, pp 218-225.
<b>XU Jiabao</b>	# <a href="#">XU Jiabao</a> , <a href="#">ZHANG Lulu</a> , <a href="#">WANG Yu</a> , "Bayesian inference on the estimation of cross-variogram", <i>7th Asian-Pacific Symposium on Structural Reliability and Its Applications (APSSRA2020)</i> , The University of Tokyo, Online, Tokyo, Japan, 04-07 October 2020.
<b>ZHANG Huihui</b>	# <a href="#">NUNAYON Sunday Segbenu</a> , # <a href="#">ZHANG Huihui</a> , <a href="#">LAI Chi Keung Alvin</a> , "Comparing the efficacy of UVC-LED and low-pressure mercury lamps upper-room UVGI systems for air disinfection", <i>16th International Conference on Indoor Air Quality and Climate (INDOOR AIR 2020)</i> , Virtual, 01-05 November 2020, pp 819-824, (ISBN: 9781713823605).
<b>ZHANG Lujia</b>	# <a href="#">ZHANG Lujia</a> , <a href="#">XUE Qiuli Charlie</a> , # <a href="#">SUN Cong</a> , "Metro Monuments in the New Age: A Historical Study of the Henan Art Center and the Zhengdong New District", <i>East Asian Architecture in Globalization - Values, Inheritance and Dissemination</i> , Tianjin University, Tianjin, China, 13-17 October 2017, pp 364-373, (ISBN: 9783030759360,9783030759377,9783030759391).

Section A: Publications of PhD Students

<b>ZORDAN Mirna</b>	#ZORDAN Mirna, TSOU Jin Yeu, "MASS TRANSITIONAL USES OF PUBLIC OPEN SPACES UNDER THE SPREAD OF COVID-19 AND THE SUPPORT OF VIRTUAL INFRASTRUCTURES: A CALL FOR FUTURE CITIES DESIGN AND PLANNING", <i>Urbanism in the Mobile Internet Era - Proceedings of the 13th Conference of the International Forum on Urbanism</i> , Nanjing University, Nanjing, China, 09-12 October 2020, pp 379-389, (ISBN: 978-90-78658-19-1).
<b>All other outputs</b>	
<b>AHMED Khursheed</b>	LEUNG Mei-yung, #AHMED Khursheed, Jimmie Hinze award for best paper at W099 & TG59 CIB web-conference, International Web-Conference 2020: Good Health, Wellbeing & Decent Work, International Council for Research and Innovation in Building and Construction (Conseil International du Batiment) (CIB), United Kingdom, 2020.
<b>AHMED Wisal</b>	#AHMED Wisal, LIM C W, (Book / Software Review) "Production of sustainable and structural fiber reinforced recycled aggregate concrete with improved fracture properties: A review", In recent years, due to the ever-increasing demand of concrete the need for sustainable and economically feasible structural concrete has obtained special attention of both researchers and various construction industries. Fiber reinforced recycled aggregate concrete (FRAC) is one such material that has gained popularity since the beginning of twenty-first century due to its high strength, eco-friendly, and cost-effectiveness benefits. Fiber reinforcement in recycled aggregate concrete (RAC) tends to reinforce and retard the crack propagation and thus results in ductile behavior of cementitious matrix. Despite an increasing interest in the use of FRAC, there are still some doubts about the dosages and reinforcing effects of fibers in RAC containing recycled concrete aggregate (RCA) in partial or complete replacement mode. This article presents a comprehensive review on the workability and mechanical properties of FRAC. Specifically, the aim of this review study is to highlight the most promising and feasible strength enhancement methods for the FRAC mainly using steel fiber (SF), polypropylene fiber (PPF), basalt fiber (BF), and glass fiber (GF). Furthermore, it comprehensively reviews the effect of these fibers on the flowability, compressive strength, flexural strength, splitting tensile strength and other durability aspects of the FRAC. It also presents the relationship among the volume fractions of fiber, percent replacements of RCA and strength enhancement in RAC which may help in identifying the optimum dosage of each fiber for the strength improvement in FRAC. The effective utilization of these fibers will enable the full-scale utilization of RCA in the fabrication of sustainable and structural concrete and will help the construction sector in implementing the concept of circular economy model., <i>Journal of Cleaner Production</i> , 279, 22 August 2020, doi: <a href="https://doi.org/10.1016/j.jclepro.2020.123832">https://doi.org/10.1016/j.jclepro.2020.123832</a> .
<b>BA Rui</b>	#BA Rui, <i>Wildfire Smoke Detection and Fire-affected Vegetation Assessment Based on MODIS Data</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 15 July 2020.
<b>CHANG Wei</b>	#CHANG Wei, <i>Aid, Sport and Architectural Exportation – A Study of China’s Foreign-aided Stadiums from the 1950s to the 21st Century</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 25 August 2020.
<b>CHEN Jianyong</b>	#CHEN Jianyong, <i>Modeling and Simulation of Chemomechanical Problems with Chemical Reactions</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 15 October 2020.
<b>CHEN Wenqiang</b>	#CHEN Wenqiang, <i>Solar Irradiance and Daylight Modeling Techniques for Low/Zero-Energy Building Applications</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 20 August 2020.
<b>CHEN Yingting</b>	#CHEN Yingting, (Book / Software Review) "Grand theater urbanism: Chinese cities in the 21st century", <i>Journal of Urban Design</i> , 26(5), 04 May 2021, pp 655-656, doi: <a href="https://doi.org/10.1080/13574809.2021.1920763">https://doi.org/10.1080/13574809.2021.1920763</a> .
<b>CHU Yung Jeh</b>	#CHU Yung Jeh, The 24 <sup>th</sup> Annual Conference of HKSTAM 5 December 2020 Best Student Presentation Award, The 24th Annual Conference of HKSTAM 2020 in conjunction with the 16th Shanghai–Hong Kong Forum on Mechanics and Its Application, Hong Kong Society of Theoretical and Applied Mechanics (HKSTAM), Hong Kong, 05 December 2020.
<b>HE Yinghou</b>	#HE Yinghou, <i>Typhoon Wind Field Observation, Construction and Structural Health Monitoring of a 600m High Skyscraper</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 06 January 2021.

Section A: Publications of PhD Students

<b>HU Yue</b>	# <u>HU Yue</u> , <i>Development of Two-dimensional Geological Models from Sparse Site Investigation Data Using Bayesian Compressive Sampling</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 03 August 2020.
	# <u>HU Yue</u> , Ringo Yu Prize for Best PhD Thesis in Geotechnical Studies 2020, Hong Kong Institution of Engineers - Geotechnical Division, June 2021.
	# <u>HU Yue</u> , <u>WANG Yu</u> , <u>ZHAO Tengyuan</u> , <u>PHOON Kok Kwang</u> , The 2020 Best Paper Award, ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, April 2021.
<b>HUANG Danyan</b>	# <u>HUANG Danyan</u> , <i>Dynamic Risk Evaluation for Passenger-carried Fire Load in Metro Stations: From Theoretical Modeling to Application</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 15 July 2020.
<b>JI Weiming</b>	# <u>JI Weiming</u> , <i>Atomistic Modeling of the Mechanical Properties of Carbon-based Nanomaterials</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 14 August 2020.
<b>JIANG Feifeng</b>	# <u>JIANG Feifeng</u> , <i>Traffic Crash Detection and Traffic Accident Analysis by Data Mining Methods</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 10 August 2020.
<b>KAI Mingfeng</b>	# <u>KAI Mingfeng</u> , <i>New Insights into Cementitious Composites at the Molecular Level</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 14 August 2020.
<b>KHOO Chee Keong</b>	# <u>KHOO Chee Keong</u> , <i>An Evaluation of Energy Performance of Green Buildings and Occupant Behaviour in Public Housing Estates in Hong Kong</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 11 August 2020.
<b>LI Zitong</b>	# <u>LI Zitong</u> , <i>Study on Metro Passengers' Alighting and Boarding Process by Computer Simulation</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 03 August 2020.
<b>LIN Jin</b>	# <u>LIN Jin</u> , <i>Study on Carbon Monoxide and Carbon Dioxide Synergistic Removal from Fire Smoke in Enclosed Space</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 15 July 2020.
<b>LIU Xin</b>	# <u>LIU Xin</u> , <i>Probabilistic Landslide Simulation: From Initiation to Post-Failure Large Deformation of Soils</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 04 September 2020.
<b>NUNAYON Sunday Segbenu</b>	# <u>NUNAYON Sunday Segbenu</u> , <i>Disinfection of Indoor and In-duct Bioaerosols Using Ultraviolet C and Air Ionization</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 19 February 2021.
<b>OJO Lekan Damilola</b>	# <u>OJO Lekan Damilola</u> , The Laurence D. Miles Value Foundation (MVF) 2020 Scholarship, Society of American Value Engineers (SAVE) International, 2020.
<b>QIN Renyuan</b>	# <u>QIN Renyuan</u> , <i>Investigation on the Interfacial Deterioration in Fiber Reinforced Polymer (FRP) Bonded System</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 20 August 2020.
<b>QIN Zhengwen</b>	# <u>QIN Zhengwen</u> , <i>Numerical Analyses of Slope Stability and Post-failure Behavior with Quantitative Uncertainty Assessment</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 20 November 2020.
<b>SARVADEVABHATLA Sathwik Kasyap</b>	# <u>SARVADEVABHATLA Sathwik Kasyap</u> , <i>Experimental Micromechanics of Sand Grains including Coated and Bonded Geomaterials</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 11 August 2020.



Section A: Publications of PhD Students

<b>SHAFIQUE Muhammad</b>	<p>RAFIQ Muhammad , #<a href="#">SHAFIQUE Muhammad</a>, AZAM Anam, ATEEQ Muhammad, KHAN Israr Ahmad, HUSSAIN Abid , (Book / Software Review) "Sustainable, Renewable and Environmental-Friendly Insulation Systems for High Voltages Applications", With the inception of high voltage (HV), requisites on the insulating permanence of HV equipment is becoming increasingly crucial. Mineral/synthetic oil liquid insulation-together with solid insulation materials (paper, pressboard)-is the fundamental insulation constituent in HV apparatuses; their insulation attributes perform a substantial part in a reliable and steady performance. Meanwhile, implications on the environment, scarcity of petroleum oil supplies and discarding complications with waste oil have stimulated investigators to steer their attention towards sustainable, renewable, biodegradable and environmentally friendly insulating substances. The contemporary insulating constituent's evolution is driven by numerous dynamics-in particular, environmental obligations and other security and economic issues. Consequently, HV equipment manufacturers must address novel specifications concerning to these new standards. Renewable, sustainable and environmentally friendly insulating materials are continuously substituting conventional insulating items in the market place. These are favorable to traditional insulating materials, due to their superior functionality. The also offer explicit security and eco-friendly advantages. This article discusses cutting-edge technology of environmentally friendly insulating materials, including their fabrication, processing and characterization. The new renewable, insulating systems used in HV equipment are submitted and their fundamental gains stated in comparison with conventional insulating materials. Several experimental efforts carried out in various parts of the world are presented, offering an outline of the existing research conducted on renewable insulating systems. The significance of this article lies in summarizing prior investigations, classifying research essence, inducements and predicting forthcoming research trends. Furthermore, opportunities and constraints being experienced in the field of exploration are evidently reported. Last but not least, imminent research proposals and applications are recommended., <i>Molecules</i>, 25(17), 27 August 2020, doi: <a href="https://doi.org/10.3390/molecules25173901">https://doi.org/10.3390/molecules25173901</a>.</p>
<b>SHI Meng</b>	<p>#<a href="#">SHI Meng</a>, <i>Development of an Impatience-based Model for Evacuation Dynamics</i>, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 10 August 2020.</p>
<b>SONG Zhiwei</b>	<p>#<a href="#">SONG Zhiwei</a>, <i>Development of Matched Interface and Boundary Algorithm and Applications to Analysis of Thin Plates with Interfaces</i>, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 10 June 2021.</p>
<b>TAO Jixiao</b>	<p>#<a href="#">TAO Jixiao</a>, <i>Theoretical Design and Analysis of Thermally Induced Bistable Plate</i>, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 13 August 2020.</p>
<b>TIJANI Ibrahim Ajani</b>	<p>#<a href="#">TIJANI Ibrahim Ajani</a>, <i>A Study on Stress-Strain Relationship of Concrete with Uniform and Non-Uniform Confinement</i>, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 05 August 2020.</p>
<b>VILLANI Caterina</b>	<p>#<a href="#">VILLANI Caterina</a>, <i>Transit-Planned Pedestrian Environments: Critical Perspectives on the Evolution, Planning and Informal Use in High-density Transit-centred Asian Urban Areas</i>, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 25 August 2020.</p>
	<p>#<a href="#">VILLANI Caterina</a>, <a href="#">TALAMINI Gianni</a>, HU Zhijian, The Best Paper Award, Title: The Patterns of Stationary Activities during COVID-19 Distancing Relaxation: The elevated pedestrian network of Mong Kok, Hong Kong Description: The Award is given to the best papers presented at the Conference based on a double-blind peer-review score, Association of Malaysian Environment-Behaviour Researchers (AMER), 2020.</p>
<b>WONG Tin Cheung</b>	<p>#<a href="#">WONG Tin Cheung</a>, <i>Development of a Novel Artificial Intelligent Coupling (ANN+PSO) Method for On-line Energy Optimization of Building HVAC System</i>, PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 03 August 2020.</p>

Section A: Publications of PhD Students

<b>WU Mengmeng</b>	#WU Mengmeng, <i>Micro-CT Based Advanced Image Matching and DEM Modeling of Sand Particle Breakage</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 22 July 2020.
<b>YANG Haibin</b>	#YANG Haibin, <i>Low Temperature Inorganic Phase Change Materials and the Applications in Buildings</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 18 June 2021
<b>YANG Yiyang</b>	#YANG Yiyang, 2020 IACP Excellent Presentation Award, 14th International Association for China Planning (IACP) Virtual Conference, International Association for China Planning (IACP), 23 December 2020.
<b>ZHANG Yan</b>	#ZHANG Yan, <i>Design of Two-Dimensional Titanium Carbide Based Functionalized Nanocomposite Films/Coatings and Investigation on Electromagnetic Interference Shielding Performance</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 24 July 2020.
<b>ZHANG Zheng</b>	#ZHANG Zheng, <i>Experimental and Numerical Studies of Flame Propagation and Stability in Microchannels</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 24 July 2020.
<b>ZHONG Xinpeng</b>	#ZHONG Xinpeng, <i>Experimental Investigation on Burning Characteristics of Ice Cavity Pool Fires Under Cross Airflow</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 24 July 2020.
<b>ZHOU Kang</b>	#ZHOU Kang, <i>Precise Evaluation of Structural Dynamic Properties of High-rise Buildings under Wind Excitations</i> , PhD Thesis, Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong, PRC, 13 November 2020.
<b>ZORDAN Mirna</b>	#ZORDAN Mirna, <u>TSOU Jin Yeu</u> , Best Paper Award Category Future City and Design, 13th Conference of the International Forum on Urbanism (IFoU 2020), International Forum on Urbanism, China, October 2020.
<b>DEPARTMENT OF BIOMEDICAL ENGINEERING</b>	
<b>Journal publications</b>	
<b>BAI Songnan</b>	#XIE Shangzhen, #MA Xiaoxia, KONG Hao Jie, #BAI Songnan, JIANG Mengnan, ZHAO Jiyun, "The synergetic effects of the surface wettability and the patterned nanostructure on boiling heat transfer enhancement", <i>International Journal of Heat and Mass Transfer</i> , 176, 26 May 2021, doi: <a href="https://doi.org/10.1016/j.ijheatmasstransfer.2021.121475">https://doi.org/10.1016/j.ijheatmasstransfer.2021.121475</a> .
<b>BI Cong</b>	#BI Cong, XU Xiang, LIU Lu, FENG Gang Gary, "Robust Cooperative Output Regulation of Heterogeneous Uncertain Linear Multi-Agent Systems with Unbounded Distributed Transmission Delays", <i>IEEE Transactions on Automatic Control</i> , 30 March 2021, doi: <a href="https://doi.org/10.1109/TAC.2021.3069718">https://doi.org/10.1109/TAC.2021.3069718</a> .
	#BI Cong, XU Xiang, LIU Lu, FENG Gang Gary, "Output Containment Control of Heterogeneous Linear Multiagent Systems With Unbounded Distributed Transmission Delays", <i>IEEE Transactions on Cybernetics</i> , 02 February 2021, doi: <a href="https://doi.org/10.1109/TCYB.2021.3050177">https://doi.org/10.1109/TCYB.2021.3050177</a> .
<b>CHEN Chun Kwan</b>	#CHEN Chun Kwan, KHOO Bee Luan, "A density-based threshold model for evaluating the separation of particles in heterogeneous mixtures with curvilinear microfluidic channels", <i>Scientific Reports</i> , 10, 04 November 2020, doi: <a href="https://doi.org/10.1038/s41598-020-75878-w">https://doi.org/10.1038/s41598-020-75878-w</a> .
<b>CHEN Jiangbo</b>	#CHEN Jiangbo, #ZHANG Yachao, #LI Xiaozhen, #ZHU Jingyi, LI Dengfeng, LI Shengliang, LEE Chun Sing, WANG Lidai, "Confocal visible/NIR photoacoustic microscopy of tumors with structural, functional, and nanoprobe contrasts", <i>Photonics Research</i> , 8(12), 19 November 2020, pp 1875-1880, doi: <a href="https://doi.org/10.1364/PRJ.409378">https://doi.org/10.1364/PRJ.409378</a> .
	QI Shuo, #ZHANG Yachao, #LIU Gongyuan, #CHEN Jiangbo, #LI Xiaozhen, #ZHU Qi, YANG Yuqi, WANG Feng, SHI Jiahai, LEE Chun Sing, ZHU Guangyu, LAI Puxiang, WANG Lidai, FANG Chihua, "Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma", <i>Acta Biomaterialia</i> , 129, 31 May 2021, pp 245-257, doi: <a href="https://doi.org/10.1016/j.actbio.2021.05.034">https://doi.org/10.1016/j.actbio.2021.05.034</a> .

Section A: Publications of PhD Students

	<p>#LIU Chao, #CHEN Jiangbo, #ZHANG Yachao, #ZHU Jingyi, WANG Lidai, "Five-wavelength optical-resolution photoacoustic microscopy of blood and lymphatic vessels", <i>Advanced Photonics</i>, 3(1), 04 January 2021, doi: <a href="https://doi.org/10.1117/1.AP.3.1.016002">https://doi.org/10.1117/1.AP.3.1.016002</a>.</p> <p>AMJADIAN Mohammadreza, MOSTAFAVI Seyed Masood, #CHEN Jiangbo, KAVEHVASH Zahra, #ZHU Jingyi, WANG Lidai, "Super-Resolution Photoacoustic Microscopy Using Structured-Illumination", <i>IEEE Transactions on Medical Imaging</i>, 15 April 2021, doi: <a href="https://doi.org/10.1109/TMI.2021.3073555">https://doi.org/10.1109/TMI.2021.3073555</a>.</p>
<b>CHU Lok Ting</b>	<p>#WANG Gaobo, #WU Minghui, #CHU Lok Ting, CHEN Ting Hsuan, "Portable microfluidic device with thermometer-like display for real-time visual quantitation of Cadmium(II) contamination in drinking water", <i>Analytica Chimica Acta</i>, 1160, 22 March 2021, doi: <a href="https://doi.org/10.1016/j.aca.2021.338444">https://doi.org/10.1016/j.aca.2021.338444</a>.</p> <p>#WU Minghui, #WANG Gaobo, #CHU Lok Ting, #HUANG Hanjin, CHEN Ting Hsuan, "Cascade-Amplified Microfluidic Particle Accumulation Enabling Quantification of Lead Ions through Visual Inspection", <i>Sensors and Actuators, B: Chemical</i>, 324, 09 August 2020, doi: <a href="https://doi.org/10.1016/j.snb.2020.128727">https://doi.org/10.1016/j.snb.2020.128727</a>.</p> <p>BAO Yuanye, #WU Siying, #CHU Lok Ting, #KWONG Hoi Kwan, #HARTANTO Hogi, HUANG Yaozhun, LAM Miu Ling, LAM Hiu Wai Raymond, CHEN Ting Hsuan, "Early Committed Clockwise Cell Chirality Upregulates Adipogenic Differentiation of Mesenchymal Stem Cells", <i>Advanced Biosystems</i>, 4(10), 31 August 2020, doi: <a href="https://doi.org/10.1002/adbi.202000161">https://doi.org/10.1002/adbi.202000161</a>.</p>
<b>DENG Yanlin</b>	<p>#DENG Yanlin, LIU Sylvia Yang, CHUA Song Lin, KHOO Bee Luan, "The effects of biofilms on tumor progression in a 3D cancer-biofilm microfluidic model", <i>Biosensors and Bioelectronics</i>, 180, 27 February 2021, doi: <a href="https://doi.org/10.1016/j.bios.2021.113113">https://doi.org/10.1016/j.bios.2021.113113</a>.</p>
<b>DONG Dingran</b>	<p>#DONG Dingran, #LAM Wah Shing, SUN Dong, "Electromagnetic Actuation of Microrobots in a Simulated Vascular Structure With a Position Estimator Based Motion Controller", <i>IEEE Robotics and Automation Letters</i>, 5(4), 04 August 2020, pp 6255-6261, doi: <a href="https://doi.org/10.1109/LRA.2020.3013846">https://doi.org/10.1109/LRA.2020.3013846</a>.</p> <p>#MO Hangjie, OUYANG Bo, #XING Liuxi, #DONG Dingran, LIU Yunhui, SUN Dong, "Automated 3-D Deformation of a Soft Object Using a Continuum Robot", <i>IEEE Transactions on Automation Science and Engineering</i>, 16 November 2020, doi: <a href="https://doi.org/10.1109/TASE.2020.3033558">https://doi.org/10.1109/TASE.2020.3033558</a>.</p>
<b>FAN Lei</b>	<p>#WEI Tanyong, LIU Jiang, LI Dongfang, CHEN Shuxun, #ZHANG Yachao, LI Junyang, #FAN Lei, #GUAN Zhangyan, LO Chung Mau, WANG Lidai, MAN Kwan, SUN Dong, "Development of Magnet-Driven and Image-Guided Degradable Microrobots for the Precise Delivery of Engineered Stem Cells for Cancer Therapy", <i>Small</i>, 16(41), 20 September 2020, doi: <a href="https://doi.org/10.1002/smll.201906908">https://doi.org/10.1002/smll.201906908</a>.</p> <p>#GUAN Zhangyan, CHEN Shuxun, #PAN Fei, #FAN Lei, SUN Dong, "Effects of Gene Delivery Approaches on Differentiation Potential and Gene Function of Mesenchymal Stem Cells", <i>IEEE Transactions on Biomedical Engineering</i>, 08 June 2021, doi: <a href="https://doi.org/10.1109/TBME.2021.3087129">https://doi.org/10.1109/TBME.2021.3087129</a>.</p>
<b>FU Yatian</b>	<p>#FU Yatian, ZHANG Yiyuan, KHOO Bee Luan, "Liquid biopsy technologies for hematological diseases", <i>Medicinal Research Reviews</i>, 41(1), 14 September 2020, pp 246-274, doi: <a href="https://doi.org/10.1002/med.21731">https://doi.org/10.1002/med.21731</a>.</p>
<b>GAO Wendi</b>	<p>#GAO Wendi, ZHAO Libo, JIANG Zhuangde, SUN Dong, "Advanced Biological Imaging for Intracellular Micromanipulation: Methods and Applications", <i>Applied Sciences (Switzerland)</i>, 10(20), 19 October 2020, pp 1-34, doi: <a href="https://doi.org/10.3390/app10207308">https://doi.org/10.3390/app10207308</a>.</p>
<b>GAO Zhan</b>	<p>WU Mengge, #GAO Zhan, #YAO Kuanming, HOU S., LIU Y., LI Dongfang, #HE Jiahui, HUANG X., SONG Enming, YU J., YU Xinge, "Thin, soft, skin-integrated foam-based triboelectric nanogenerators for tactile sensing and energy harvesting", <i>Materials Today Energy</i>, 20(100657), 27 January 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100657">https://doi.org/10.1016/j.mtener.2021.100657</a>.</p> <p>#HE Jiahui, XIE Zhaoqian, #YAO Kuanming, LI Dengfeng, #LIU Yiming, #GAO Zhan, LU Wei, CHANG Lingqian, YU Xinge, "Trampoline inspired stretchable triboelectric nanogenerators as tactile sensors for epidermal electronics", <i>Nano Energy</i>, 81, 11 November 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105590">https://doi.org/10.1016/j.nanoen.2020.105590</a>.</p> <p>#GAO Zhan, ZHENG Yifan, HUANG Guancheng, YANG Genjie, YU Xinge, YU Junsheng, "Additive Modulated Perovskite Microstructures for High Performance Photodetectors", <i>Micromachines</i>, 11(12), 10 December 2020, doi: <a href="https://doi.org/10.3390/mi11121090">https://doi.org/10.3390/mi11121090</a>.</p>

Section A: Publications of PhD Students

	<p>#LIU Yiming, #YIU Chun Ki, #JIA Huiling, #WONG Tsz Hung, #YAO Kuanming, HUANG Ya, #ZHOU Jingkun, #HUANG Xingcan, #ZHAO Ling, LI Dengfeng, WU Mengge, #GAO Zhan, #HE Jiahui, SONG Enming, YU Xinge, "Thin, soft, garment-integrated triboelectric nanogenerators for energy harvesting and human machine interfaces", <i>EcoMat</i>, 22 June 2021, doi: <a href="https://doi.org/10.1002/eom2.12123">https://doi.org/10.1002/eom2.12123</a>.</p> <p>#MEI Liang, GAO Xiaoping, #GAO Zhan, #ZHANG Qingyong, YU Xinge, ROGACH Andrey, ZENG Zhiyuan, "Size-selective synthesis of platinum nanoparticles on transition-metal dichalcogenides for the hydrogen evolution reaction", <i>Chemical Communications</i>, 57(23), 05 February 2021, pp 2879-2882, doi: <a href="https://doi.org/10.1039/d0cc08091h">https://doi.org/10.1039/d0cc08091h</a>.</p> <p>#HE Jiahui, #LIU Yiming, LI Dengfeng, #YAO Kuanming, #GAO Zhan, YU Xinge, "Stretchable Triboelectric Nanogenerators for Energy Harvesting and Motion Monitoring", <i>IEEE Open Journal of Nanotechnology</i>, 1, 25 August 2020, pp 109-116, doi: <a href="https://doi.org/10.1109/OJNANO.2020.3019425">https://doi.org/10.1109/OJNANO.2020.3019425</a>.</p> <p>#GAO Zhan, #YIU Chun Ki, #LIU Yiming, LI Dengfeng, #MEI Liang, ZENG Zhiyuan, YU Xinge, "Stretchable transparent conductive elastomers for skin-integrated electronics", <i>Journal of Materials Chemistry C</i>, 8(43), 22 July 2020, pp 15105-15111, doi: <a href="https://doi.org/10.1039/d0tc02913k">https://doi.org/10.1039/d0tc02913k</a>.</p> <p>LI Dengfeng, #YAO Kuanming, #GAO Zhan, #LIU Yiming, YU Xinge, "Recent progress of skin-integrated electronics for intelligent sensing", <i>Light: Advanced Manufacturing</i>, 12 January 2021, doi: <a href="https://doi.org/10.37188/lam.2021.004">https://doi.org/10.37188/lam.2021.004</a>.</p> <p>LI Dengfeng, WANG Song, #HE Jiahui, ZENG Hao, #YAO Kuanming, #GAO Zhan, WU Mengge, #LIU Yiming, WANG Lidai, XIE Zhaoqian, YU Xinge, "Bioinspired Ultrathin Piecewise Controllable Soft Robots", <i>Advanced Materials Technologies</i>, 31 March 2021, doi: <a href="https://doi.org/10.1002/admt.202001095">https://doi.org/10.1002/admt.202001095</a>.</p>
<b>GUAN Zhangyan</b>	<p>#WEI Tanyong, LIU Jiang, LI Dongfang, CHEN Shuxun, #ZHANG Yachao, LI Junyang, #FAN Lei, #GUAN Zhangyan, LO Chung Mau, WANG Lidai, MAN Kwan, SUN Dong, "Development of Magnet-Driven and Image-Guided Degradable Microrobots for the Precise Delivery of Engineered Stem Cells for Cancer Therapy", <i>Small</i>, 16(41), 20 September 2020, doi: <a href="https://doi.org/10.1002/smll.201906908">https://doi.org/10.1002/smll.201906908</a>.</p> <p>#GUAN Zhangyan, CHEN Shuxun, #PAN Fei, #FAN Lei, SUN Dong, "Effects of Gene Delivery Approaches on Differentiation Potential and Gene Function of Mesenchymal Stem Cells", <i>IEEE Transactions on Biomedical Engineering</i>, 08 June 2021, doi: <a href="https://doi.org/10.1109/TBME.2021.3087129">https://doi.org/10.1109/TBME.2021.3087129</a>.</p>
<b>HAN Xiongqi</b>	<p>#WEN Guohua, #LI Xiaozhen, #ZHANG Yachao, #HAN Xiongqi, XU Xiayi, #LIU Chao, CHAN Wai Yan Kannie, LEE Chun Sing, YIN Chao, BIAN Liming, WANG Lidai, "Effective Phototheranostics of Brain Tumor Assisted by Near-Infrared-II Light-Responsive Semiconducting Polymer Nanoparticles", <i>ACS applied materials &amp; interfaces</i>, 12(30), 06 July 2020, pp 33492-33499, doi: <a href="https://doi.org/10.1021/acsami.0c08562">https://doi.org/10.1021/acsami.0c08562</a>.</p> <p>#HUANG Jianpan, #HAN Xiongqi, CHEN Lin, XU Xiang, XU Jiadi, CHAN Wai Yan Kannie, "Relayed nuclear Overhauser enhancement imaging with magnetization transfer contrast suppression at 3 T", <i>Magnetic Resonance in Medicine</i>, 85(1), 01 August 2020, pp 254-267, doi: <a href="https://doi.org/10.1002/mrm.28433">https://doi.org/10.1002/mrm.28433</a>.</p> <p>#HAN Xiongqi, #LAI Ho Chi Joseph, #HUANG Jianpan, #PARK Se Weon, #LIU Yang, CHAN Wai Yan Kannie, "Imaging Self-Healing Hydrogels and Chemotherapeutics Using CEST MRI at 3 T", <i>ACS Applied Bio Materials</i>, 02 June 2021, doi: <a href="https://doi.org/10.1021/acsabm.1c00411">https://doi.org/10.1021/acsabm.1c00411</a>.</p>
<b>HARTANTO Hogi</b>	<p>#HARTANTO Hogi, #WU Minghui, LAM Miu Ling, CHEN Ting Hsuan, "Microfluidic immunoassay for detection of serological antibodies: A potential tool for rapid evaluation of immunity against SARS-CoV-2", <i>Biomicrofluidics</i>, 14(6), November 2020, doi: <a href="https://doi.org/10.1063/5.0031521">https://doi.org/10.1063/5.0031521</a>.</p> <p>BAO Yuanye, #WU Siying, #CHU Lok Ting, #KWONG Hoi Kwan, #HARTANTO Hogi, HUANG Yaozhun, LAM Miu Ling, LAM Hiu Wai Raymond, CHEN Ting Hsuan, "Early Committed Clockwise Cell Chirality Upregulates Adipogenic Differentiation of Mesenchymal Stem Cells", <i>Advanced Biosystems</i>, 4(10), 31 August 2020, doi: <a href="https://doi.org/10.1002/adbi.202000161">https://doi.org/10.1002/adbi.202000161</a>.</p>
<b>HOU Lin</b>	<p>#HOU Lin, PENG Yong, SUN Dong, "Neck injury mechanisms in train collisions: Dynamic analysis and data mining of the driver impact injury", <i>Accident Analysis and Prevention</i>, 146, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.aap.2020.105725">https://doi.org/10.1016/j.aap.2020.105725</a>.</p>

Section A: Publications of PhD Students

	# <u>HOU Lin</u> , PENG Yong, <u>SUN Dong</u> , "Dynamic analysis of railway vehicle derailment mechanism in train-to-train collision accidents", <i>Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit</i> , 09 December 2020, doi: <a href="https://doi.org/10.1177/0954409720959870">https://doi.org/10.1177/0954409720959870</a> .
<b>HU Qiqiang</b>	# <u>HU Qiqiang</u> , # <u>HUANG Hanjin</u> , DONG Erbao, <u>SUN Dong</u> , "A Bioinspired Composite Finger with Self-Locking Joints", <i>IEEE Robotics and Automation Letters</i> , 6(2), 02 February 2021, pp 1391-1398, doi: <a href="https://doi.org/10.1109/LRA.2021.3056345">https://doi.org/10.1109/LRA.2021.3056345</a> . # <u>HU Qiqiang</u> , DONG Erbao, <u>SUN Dong</u> , "Soft Gripper Design Based on the Integration of Flat Dry Adhesive, Soft Actuator, and Microspine", <i>IEEE Transactions on Robotics</i> , 11 January 2021, doi: <a href="https://doi.org/10.1109/TRO.2020.3043981">https://doi.org/10.1109/TRO.2020.3043981</a> .
<b>HU Tianli</b>	YANG Jingbo, ZHANG Haoxiang, # <u>HU Tianli</u> , <u>XU Chenjie</u> , JIANG Lelun, ZHANG Yu Shrike, XIE Maobin, "Recent advances of microneedles used towards stimuli-responsive drug delivery, disease theranostics, and bioinspired applications", <i>Chemical Engineering Journal</i> , 426, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.130561">https://doi.org/10.1016/j.cej.2021.130561</a> .
<b>HU Zhe</b>	# <u>YAN Youcan</u> , # <u>HU Zhe</u> , <u>YANG Zhengbao</u> , YUAN Wenzhen, SONG Chaoyang, PAN Jia, <u>SHEN Yajing</u> , "Soft magnetic skin for super-resolution tactile sensing with force self-decoupling", <i>Science Robotics</i> , 6(51), 17 February 2021, doi: <a href="https://doi.org/10.1126/scirobotics.abc8801">https://doi.org/10.1126/scirobotics.abc8801</a> . # <u>HU Zhe</u> , ZHENG Yu, PAN Jia, "Living Object Grasping Using Two-Stage Graph Reinforcement Learning", <i>IEEE Robotics and Automation Letters</i> , 6(2), 19 February 2021, pp 1950-1957, doi: <a href="https://doi.org/10.1109/LRA.2021.3060636">https://doi.org/10.1109/LRA.2021.3060636</a> .
<b>HUANG Jianpan</b>	# <u>HUANG Jianpan</u> , # <u>HAN Xiongqi</u> , CHEN Lin, XU Xiang, XU Jiadi, <u>CHAN Wai Yan Kannie</u> , "Relayed nuclear Overhauser enhancement imaging with magnetization transfer contrast suppression at 3 T", <i>Magnetic Resonance in Medicine</i> , 85(1), 01 August 2020, pp 254-267, doi: <a href="https://doi.org/10.1002/mrm.28433">https://doi.org/10.1002/mrm.28433</a> . # <u>HAN Xiongqi</u> , # <u>LAI Ho Chi Joseph</u> , # <u>HUANG Jianpan</u> , # <u>PARK Se Weon</u> , # <u>LIU Yang</u> , <u>CHAN Wai Yan Kannie</u> , "Imaging Self-Healing Hydrogels and Chemotherapeutics Using CEST MRI at 3 T", <i>ACS Applied Bio Materials</i> , 02 June 2021, doi: <a href="https://doi.org/10.1021/acsabm.1c00411">https://doi.org/10.1021/acsabm.1c00411</a> . CHEN Lin, WEI Zhiliang, <u>CHAN Wai Yan Kannie</u> , LI Yuguo, SUCHAL Kapil, BI Sheng, # <u>HUANG Jianpan</u> , XU Xiang, WONG Philip C., LU Hanzhang, VAN ZIJL Peter CM, LI Tong, XU Jiadi, "D-Glucose uptake and clearance in the tauopathy Alzheimer's disease mouse brain detected by on-resonance variable delay multiple pulse MRI", <i>Journal of Cerebral Blood Flow and Metabolism</i> , 41(5), 16 July 2020, pp 1013-1025, doi: <a href="https://doi.org/10.1177/0271678X20941264">https://doi.org/10.1177/0271678X20941264</a> .
<b>HUANG Wei</b>	# <u>LIAO Junchen</u> , # <u>REN Jifeng</u> , # <u>HUANG Wei</u> , <u>LAM Hiu Wai Raymond</u> , CHUA Song Lin, <u>KHOO Bee Luan</u> , "Label-free biosensor of phagocytosis for diagnosing bacterial infections", <i>Biosensors and Bioelectronics</i> , 191, 11 June 2021, doi: <a href="https://doi.org/10.1016/j.bios.2021.113412">https://doi.org/10.1016/j.bios.2021.113412</a> .
<b>HUANG Xingcan</b>	<u>WU Mengge</u> , # <u>YAO Kuanming</u> , <u>LI Dongfang</u> , # <u>HUANG Xingcan</u> , # <u>LIU Yiming</u> , <u>WANG Lidai</u> , <u>SONG Enming</u> , YU J., <u>YU Xinge</u> , "Self-powered skin electronics for energy harvesting and healthcare monitoring", <i>Materials Today Energy</i> , 21, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100786">https://doi.org/10.1016/j.mtener.2021.100786</a> . # <u>LIU Yiming</u> , # <u>YIU Chun Ki</u> , # <u>JIA Huiling</u> , # <u>WONG Tsz Hung</u> , # <u>YAO Kuanming</u> , <u>HUANG Ya</u> , # <u>ZHOU Jingkun</u> , # <u>HUANG Xingcan</u> , # <u>ZHAO Ling</u> , <u>LI Dengfeng</u> , <u>WU Mengge</u> , # <u>GAO Zhan</u> , # <u>HE Jiahui</u> , <u>SONG Enming</u> , <u>YU Xinge</u> , "Thin, soft, garment-integrated triboelectric nanogenerators for energy harvesting and human machine interfaces", <i>EcoMat</i> , 22 June 2021, doi: <a href="https://doi.org/10.1002/eom2.12123">https://doi.org/10.1002/eom2.12123</a> .
<b>JI Nan</b>	# <u>JI Nan</u> , <u>XIANG Ting</u> , BONATO Paolo, LOVELL Nigel Hamilton, OOI Sze-Yuan, CLIFTON David, AKAY Metin, DING Xiao-Rong, YAN Bryan, MOK Vincent, FOTIADIS Dimitrios I. I., <u>ZHANG Yuanting</u> , "Recommendation to Use Wearable-Based mHealth in Closed-Loop Management of Acute Cardiovascular Disease Patients During the COVID-19 Pandemic", <i>IEEE Journal of Biomedical and Health Informatics</i> , 25(4), 17 February 2021, pp 903-908, doi: <a href="https://doi.org/10.1109/JBHI.2021.3059883">https://doi.org/10.1109/JBHI.2021.3059883</a> .
<b>JI Xianglin</b>	LU Xufei, CERVERA Miguel, CHIUMENTI Michele, LI Junjie, # <u>JI Xianglin</u> , ZHANG Guohao, LIN Xin, "Modeling of the Effect of the Building Strategy on the Thermomechanical Response of Ti-6Al-4V Rectangular Parts Manufactured by Laser Directed Energy Deposition", <i>Metals</i> , 10(12), 06 December 2020, doi: <a href="https://doi.org/10.3390/met10121643">https://doi.org/10.3390/met10121643</a> .

## Section A: Publications of PhD Students

<b>JIA Huaiyuan</b>	#XIAO Ran, LI Xiang, #JIA Huaiyuan, #SURJADI James Utama, LI Jingqi, #LIN Weitong, GAO Libo, CHIRARATTANANON Pakpong, LU Yang, "3D printing of dual phase-strengthened microlattices for lightweight micro aerial vehicles", <i>Materials and Design</i> , 206, 28 April 2021, doi: <a href="https://doi.org/10.1016/j.matdes.2021.109767">https://doi.org/10.1016/j.matdes.2021.109767</a> .
<b>JIA Huiling</b>	#LIU Yiming, #YIU Chun Ki, #JIA Huiling, #WONG Tsz Hung, #YAO Kuanming, HUANG Ya, #ZHOU Jingkun, #HUANG Xingcan, #ZHAO Ling, LI Dengfeng, WU Mengge, #GAO Zhan, #HE Jiahui, SONG Enming, YU Xinge, "Thin, soft, garment-integrated triboelectric nanogenerators for energy harvesting and human machine interfaces", <i>EcoMat</i> , 22 June 2021, doi: <a href="https://doi.org/10.1002/eom2.12123">https://doi.org/10.1002/eom2.12123</a> .
<b>JIANG Tianyi</b>	#JIANG Tianyi, #WANG Gaobo, CHEN Ting Hsuan, "Microfluidic particle accumulation for visual quantitation of copper ions", <i>Microchimica Acta</i> , 188(5), 27 April 2021, doi: <a href="https://doi.org/10.1007/s00604-021-04822-0">https://doi.org/10.1007/s00604-021-04822-0</a> .
<b>JIAO Yang</b>	QIN Huan, ZHAO Wenwen, #JIAO Yang, ZHENG Haoyi, ZHANG Hao, JIN Jingyu, LI Qiu, CHEN Xiuping, GAO Xia, HAN Yantao, "Aqueous Extract of <i>Salvia miltiorrhiza</i> Bunge- <i>Radix Puerariae</i> Herb Pair Attenuates Osteoporosis in Ovariectomized Rats Through Suppressing Osteoclast Differentiation", <i>Frontiers in Pharmacology</i> , 11, 21 January 2021, doi: <a href="https://doi.org/10.3389/fphar.2020.581049">https://doi.org/10.3389/fphar.2020.581049</a> .
<b>KONG Xiaowen</b>	#KONG Xiaowen, JIN Yueming, DOU Qi, WANG Ziyi, WANG Zerui, LU Bo, DONG Erbao, LIU Yun-Hui, SUN Dong, "Accurate instance segmentation of surgical instruments in robotic surgery: model refinement and cross-dataset evaluation", <i>International Journal of Computer Assisted Radiology and Surgery</i> , 16(9), 25 June 2021, pp 1607–1614, doi: <a href="https://doi.org/10.1007/s11548-021-02438-6">https://doi.org/10.1007/s11548-021-02438-6</a> .
<b>KWONG Hoi Kwan</b>	BAO Yuanye, #WU Siying, #CHU Lok Ting, #KWONG Hoi Kwan, #HARTANTO Hogi, HUANG Yaozhun, LAM Miu Ling, LAM Hiu Wai Raymond, CHEN Ting Hsuan, "Early Committed Clockwise Cell Chirality Upregulates Adipogenic Differentiation of Mesenchymal Stem Cells", <i>Advanced Biosystems</i> , 4(10), 31 August 2020, doi: <a href="https://doi.org/10.1002/adbi.202000161">https://doi.org/10.1002/adbi.202000161</a> .
<b>LAI Ho Chi Joseph</b>	#HAN Xiongqi, #LAI Ho Chi Joseph, #HUANG Jianpan, #PARK Se Weon, #LIU Yang, CHAN Wai Yan Kannie, "Imaging Self-Healing Hydrogels and Chemotherapeutics Using CEST MRI at 3 T", <i>ACS Applied Bio Materials</i> , 02 June 2021, doi: <a href="https://doi.org/10.1021/acsabm.1c00411">https://doi.org/10.1021/acsabm.1c00411</a> .
<b>LAM Wah Shing</b>	#DONG Dingran, #LAM Wah Shing, SUN Dong, "Electromagnetic Actuation of Microrobots in a Simulated Vascular Structure With a Position Estimator Based Motion Controller", <i>IEEE Robotics and Automation Letters</i> , 5(4), 04 August 2020, pp 6255–6261, doi: <a href="https://doi.org/10.1109/LRA.2020.3013846">https://doi.org/10.1109/LRA.2020.3013846</a> .
<b>LAU Cia Hin</b>	#LAU Cia Hin, TIN Chung, SUH Yousin, "CRISPR-based strategies for targeted transgene knock-in and gene correction", <i>Faculty Reviews</i> , 9, 04 December 2020, doi: <a href="https://doi.org/10.12703/r/9-20">https://doi.org/10.12703/r/9-20</a> . #LEUNG Hoi Man, #LAU Cia Hin, HO Jonathan Weng-Thim, CHAN Miu Shan, #CHANG Tristan Juin Han, #LAW Lok Hin, #WANG Fei, #TAM Dick Yan, #LIU Ling Sum, CHAN Wai Yan Kannie, TIN Chung, LO Pik Kwan Peggy, "Targeted brain tumor imaging by using discrete biopolymer-coated nanodiamonds across the blood-brain barrier", <i>Nanoscale</i> , 13(5), 02 January 2021, pp 3184–3193, doi: <a href="https://doi.org/10.1039/d0nr06765b">https://doi.org/10.1039/d0nr06765b</a> .
<b>LAW Lok Hin</b>	#LEUNG Hoi Man, #LAU Cia Hin, HO Jonathan Weng-Thim, CHAN Miu Shan, #CHANG Tristan Juin Han, #LAW Lok Hin, #WANG Fei, #TAM Dick Yan, #LIU Ling Sum, CHAN Wai Yan Kannie, TIN Chung, LO Pik Kwan Peggy, "Targeted brain tumor imaging by using discrete biopolymer-coated nanodiamonds across the blood-brain barrier", <i>Nanoscale</i> , 13(5), 02 January 2021, pp 3184–3193, doi: <a href="https://doi.org/10.1039/d0nr06765b">https://doi.org/10.1039/d0nr06765b</a> .
<b>LI Gen</b>	#LI Gen, #ZHANG Tieshan, SHEN Yajing, "Transparent Magnetic Soft Millirobot Actuated by Micro-Node Array", <i>Advanced Materials Technologies</i> , 10 June 2021, doi: <a href="https://doi.org/10.1002/admt.202100131">https://doi.org/10.1002/admt.202100131</a> .
<b>LI Jiyu</b>	#YAO Kuanming, #LIU Yiming, LI Dengfeng, #HE Jiahui, #LI Jiyu, LAM Hiu Wai Raymond, XIE Zhaoqian, WANG Lidai, YU Xinge, "Mechanics designs-performance relationships in epidermal triboelectric nanogenerators", <i>Nano Energy</i> , 76, 02 July 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105017">https://doi.org/10.1016/j.nanoen.2020.105017</a> .
<b>LIANG Siyi</b>	#LIANG Siyi, WANG Lidai, "Rotational-invariant speckle-scanning ultrasonography through thick bones", <i>Scientific Reports</i> , 11, 2021, doi: <a href="https://doi.org/10.1038/s41598-021-93488-y">https://doi.org/10.1038/s41598-021-93488-y</a> .

Section A: Publications of PhD Students

<b>LIAO Junchen</b>	#LIAO Junchen, #REN Jifeng, #HUANG Wei, LAM Hiu Wai Raymond, CHUA Song Lin, KHOO Bee Luan, "Label-free biosensor of phagocytosis for diagnosing bacterial infections", <i>Biosensors and Bioelectronics</i> , 191, 11 June 2021, doi: <a href="https://doi.org/10.1016/j.bios.2021.113412">https://doi.org/10.1016/j.bios.2021.113412</a> .
<b>LIN Zihong</b>	#LIN Zihong, WU Guangfu, #ZHAO Ling, LAI Wai Chiu King, "Detection of Bacterial Metabolic Volatile Indole Using a Graphene-Based Field-Effect Transistor Biosensor", <i>Nanomaterials</i> , 11(5), 28 April 2021, doi: <a href="https://doi.org/10.3390/nano11051155">https://doi.org/10.3390/nano11051155</a> .
<b>LIU Chao</b>	#WEN Guohua, #LI Xiaozhen, #ZHANG Yachao, #HAN Xiongqi, XU Xiayi, #LIU Chao, CHAN Wai Yan Kannie, LEE Chun Sing, YIN Chao, BIAN Liming, WANG Lidai, "Effective Phototheranostics of Brain Tumor Assisted by Near-Infrared-II Light-Responsive Semiconducting Polymer Nanoparticles", <i>ACS applied materials &amp; interfaces</i> , 12(30), 06 July 2020, pp 33492-33499, doi: <a href="https://doi.org/10.1021/acsami.0c08562">https://doi.org/10.1021/acsami.0c08562</a> . #LIU Chao, #CHEN Jiangbo, #ZHANG Yachao, #ZHU Jingyi, WANG Lidai, "Five-wavelength optical-resolution photoacoustic microscopy of blood and lymphatic vessels", <i>Advanced Photonics</i> , 3(1), 04 January 2021, doi: <a href="https://doi.org/10.1117/1.AP.3.1.016002">https://doi.org/10.1117/1.AP.3.1.016002</a> .
<b>LIU Lelin</b>	#LIU Lelin, HU Dinglong, LAM Hiu Wai Raymond, "Microfluidic Viscometer Using a Suspending Micromembrane for Measurement of Biosamples", <i>Micromachines</i> , 11(10), 14 October 2020, doi: <a href="https://doi.org/10.3390/mi11100934">https://doi.org/10.3390/mi11100934</a> .
<b>LIU Yang</b>	#HAN Xiongqi, #LAI Ho Chi Joseph, #HUANG Jianpan, #PARK Se Weon, #LIU Yang, CHAN Wai Yan Kannie, "Imaging Self-Healing Hydrogels and Chemotherapeutics Using CEST MRI at 3 T", <i>ACS Applied Bio Materials</i> , 02 June 2021, doi: <a href="https://doi.org/10.1021/acsabm.1c00411">https://doi.org/10.1021/acsabm.1c00411</a> . YANG Xin, #LIU Yang, MOU Xinyue, HU Tianyu, YUAN Fei, CHENG En, "Imaging in turbid water based on a Hadamard single-pixel imaging system", <i>Optics Express</i> , 29(8), 01 April 2021, pp 12010-12023, doi: <a href="https://doi.org/10.1364/OE.421937">https://doi.org/10.1364/OE.421937</a> . #LIU Yang, HWANG Yongsop, SI Guangyuan, WANG Qian, WANG Dapeng, "Spin-to-orbital angular momentum conversion in symmetric dielectric nanorings", <i>Applied Physics Letters</i> , 118(16), 19 April 2021, doi: <a href="https://doi.org/10.1063/5.0046546">https://doi.org/10.1063/5.0046546</a> .
<b>LIU Yi</b>	#REN Jifeng, LI Yongshu, HU Shuhuan, #LIU Yi, TSAO Sai-Wah, LAU Denvid, LUO Guannan, TSANG Chi Man, LAM Hiu Wai Raymond, "Nondestructive quantification of single-cell nuclear and cytoplasmic mechanical properties based on large whole-cell deformation", <i>Lab on a Chip</i> , 20(22), 08 October 2020, pp 4175-4185, doi: <a href="https://doi.org/10.1039/d0lc00725k">https://doi.org/10.1039/d0lc00725k</a> . #LIU Yi, #REN Jifeng, ZHANG Ruolin, HU Shuhuan, PANG Stella W., LAM Hiu Wai Raymond, "Spreading and Migration of Nasopharyngeal Normal and Cancer Cells on Microgratings", <i>ACS Applied Bio Materials</i> , 4(4), 19 February 2021, pp 3224-3231, doi: <a href="https://doi.org/10.1021/acsabm.0c01610">https://doi.org/10.1021/acsabm.0c01610</a> . #QIAN Jingui, #REN Jifeng, #LIU Yi, LAM Hiu Wai Raymond, LEE En-yuan Joshua, "A two-chip acoustofluidic particle manipulation platform with a detachable and reusable surface acoustic wave device", <i>The Analyst</i> , 145(23), 01 September 2020, pp 7752-7758, doi: <a href="https://doi.org/10.1039/d0an01469a">https://doi.org/10.1039/d0an01469a</a> .
<b>LIU Yiming</b>	#HE Jiahui, XIE Zhaoqian, #YAO Kuanming, LI Dengfeng, #LIU Yiming, #GAO Zhan, LU Wei, CHANG Lingqian, YU Xinge, "Trampoline inspired stretchable triboelectric nanogenerators as tactile sensors for epidermal electronics", <i>Nano Energy</i> , 81, 11 November 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105590">https://doi.org/10.1016/j.nanoen.2020.105590</a> . #LIU Yiming, #ZHENG Huanxi, #ZHAO Ling, #LIU Shiyuan, #YAO Kuanming, LI Dengfeng, #YIU Chun Ki, GAO Shenghan, AVILA Raudel, CHIRARATTANANON Pakpong, CHANG Lingqian, WANG Zuankai, HUANG Xian, XIE Zhaoqian, YANG Zhengbao, YU Xinge, "Electronic Skin from High-Throughput Fabrication of Intrinsically Stretchable Lead Zirconate Titanate Elastomer", <i>Research</i> , 2020, 17 October 2020, doi: <a href="https://doi.org/10.34133/2020/1085417">https://doi.org/10.34133/2020/1085417</a> . WU Mengge, #YAO Kuanming, LI Dongfang, #HUANG Xingcan, #LIU Yiming, WANG Lidai, SONG Enming, YU J., YU Xinge, "Self-powered skin electronics for energy harvesting and healthcare monitoring", <i>Materials Today Energy</i> , 21, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100786">https://doi.org/10.1016/j.mtener.2021.100786</a> . #LIU Yiming, #YIU Chun Ki, #JIA Huiling, #WONG Tsz Hung, #YAO Kuanming, HUANG Ya, #ZHOU Jingkun, #HUANG Xingcan, #ZHAO Ling, LI Dengfeng, WU Mengge, #GAO Zhan, #HE Jiahui, SONG Enming, YU Xinge, "Thin, soft, garment-integrated triboelectric nanogenerators

Section A: Publications of PhD Students

	for energy harvesting and human machine interfaces", <i>EcoMat</i> , 22 June 2021, doi: <a href="https://doi.org/10.1002/eom2.12123">https://doi.org/10.1002/eom2.12123</a> .
	#YAO Kuanming, #LIU Yiming, LI Dengfeng, #HE Jiahui, #LI Jiyu, LAM Hiu Wai Raymond, XIE Zhaoqian, WANG Lidai, YU Xinge, "Mechanics designs-performance relationships in epidermal triboelectric nanogenerators", <i>Nano Energy</i> , 76, 02 July 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105017">https://doi.org/10.1016/j.nanoen.2020.105017</a> .
	#HE Jiahui, #LIU Yiming, LI Dengfeng, #YAO Kuanming, #GAO Zhan, YU Xinge, "Stretchable Triboelectric Nanogenerators for Energy Harvesting and Motion Monitoring", <i>IEEE Open Journal of Nanotechnology</i> , 1, 25 August 2020, pp 109-116, doi: <a href="https://doi.org/10.1109/OJNANO.2020.3019425">https://doi.org/10.1109/OJNANO.2020.3019425</a> .
	#GAO Zhan, #YIU Chun Ki, #LIU Yiming, LI Dengfeng, #MEI Liang, ZENG Zhiyuan, YU Xinge, "Stretchable transparent conductive elastomers for skin-integrated electronics", <i>Journal of Materials Chemistry C</i> , 8(43), 22 July 2020, pp 15105-15111, doi: <a href="https://doi.org/10.1039/d0tc02913k">https://doi.org/10.1039/d0tc02913k</a> .
	LI Dengfeng, #YAO Kuanming, #GAO Zhan, #LIU Yiming, YU Xinge, "Recent progress of skin-integrated electronics for intelligent sensing", <i>Light: Advanced Manufacturing</i> , 12 January 2021, doi: <a href="https://doi.org/10.37188/lam.2021.004">https://doi.org/10.37188/lam.2021.004</a> .
	LI Dengfeng, WANG Song, #HE Jiahui, ZENG Hao, #YAO Kuanming, #GAO Zhan, WU Mengge, #LIU Yiming, WANG Lidai, XIE Zhaoqian, YU Xinge, "Bioinspired Ultrathin Piecewise Controllable Soft Robots", <i>Advanced Materials Technologies</i> , 31 March 2021, doi: <a href="https://doi.org/10.1002/admt.202001095">https://doi.org/10.1002/admt.202001095</a> .
<b>LU Yu</b>	#LU Yu, CHEN Feng, WANG Lidai, "An invertible wavefront switching system with a high extinction ratio", <i>Optics and Laser Technology</i> , 131, 11 July 2020, doi: <a href="https://doi.org/10.1016/j.optlastec.2020.106466">https://doi.org/10.1016/j.optlastec.2020.106466</a> .
<b>LUO Shuyang</b>	#LUO Shuyang, XU Xiang, LIU Lu, FENG Gang Gary, "Output consensus of heterogeneous linear multi-agent systems with communication, input and output time-delays", <i>Journal of the Franklin Institute</i> , 357(17), 02 October 2020, pp 12825-12839, doi: <a href="https://doi.org/10.1016/j.jfranklin.2020.09.032">https://doi.org/10.1016/j.jfranklin.2020.09.032</a> .
	#LUO Shuyang, XU Juanjuan, LIANG Xiao, "Mean-square Consensus of Heterogeneous Multi-agent Systems with Time-varying Communication Delays and Intermittent Observations", <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 11 May 2021, doi: <a href="https://doi.org/10.1109/TCSII.2021.3079297">https://doi.org/10.1109/TCSII.2021.3079297</a> .
<b>MO Hangjie</b>	#MO Hangjie, #WEI Ruofeng, OUYANG Bo, #XING Liuxi, SHAN Yanhu, LIU Yunhui, SUN Dong, "Control of a Flexible Continuum Manipulator for Laser Beam Steering", <i>IEEE Robotics and Automation Letters</i> , 6(2), 02 February 2021, pp 1074-1081, doi: <a href="https://doi.org/10.1109/LRA.2021.3056335">https://doi.org/10.1109/LRA.2021.3056335</a> .
	#XING Liuxi, LIAO Pan, #MO Hangjie, LI Dongfang, SUN Dong, "Preformation Characterization of a Torque-Driven Magnetic Microswimmer with Multi-Segment Structure", <i>IEEE Access</i> , 9, 11 February 2021, pp 29279-29292, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3058527">https://doi.org/10.1109/ACCESS.2021.3058527</a> .
	#MO Hangjie, OUYANG Bo, #XING Liuxi, #DONG Dingran, LIU Yunhui, SUN Dong, "Automated 3-D Deformation of a Soft Object Using a Continuum Robot", <i>IEEE Transactions on Automation Science and Engineering</i> , 16 November 2020, doi: <a href="https://doi.org/10.1109/TASE.2020.3033558">https://doi.org/10.1109/TASE.2020.3033558</a> .
<b>PAN Fei</b>	ZHI Shaohua, KACHELRIESS Marc, #PAN Fei, MOU Xuanqin, "CycN-Net: A Convolutional Neural Network Specialized for 4D CBCT Images Refinement", <i>IEEE Transactions on Medical Imaging</i> , 19 May 2021, doi: <a href="https://doi.org/10.1109/TMI.2021.3081824">https://doi.org/10.1109/TMI.2021.3081824</a> .
	#GUAN Zhangyan, CHEN Shuxun, #PAN Fei, #FAN Lei, SUN Dong, "Effects of Gene Delivery Approaches on Differentiation Potential and Gene Function of Mesenchymal Stem Cells", <i>IEEE Transactions on Biomedical Engineering</i> , 08 June 2021, doi: <a href="https://doi.org/10.1109/TBME.2021.3087129">https://doi.org/10.1109/TBME.2021.3087129</a> .
<b>PARK Se Weon</b>	#HAN Xiongqi, #LAI Ho Chi Joseph, #HUANG Jianpan, #PARK Se Weon, #LIU Yang, CHAN Wai Yan Kannie, "Imaging Self-Healing Hydrogels and Chemotherapeutics Using CEST MRI at 3 T", <i>ACS Applied Bio Materials</i> , 02 June 2021, doi: <a href="https://doi.org/10.1021/acsabm.1c00411">https://doi.org/10.1021/acsabm.1c00411</a> .
<b>QU Jin</b>	XIE Kai, WANG Zixun, #QI Lin, #ZHAO Xi, #WANG Yuan, #QU Jin, XU Ping, HUANG Linfeng, ZHANG Wenjun, YANG Yang, WANG Xin, SHI Peng, "Profiling MicroRNAs with Associated



Section A: Publications of PhD Students

	Spatial Dynamics in Acute Tissue Slices", <i>ACS Nano</i> , 15(3), 10 March 2021, pp 4881–4892, doi: <a href="https://doi.org/10.1021/acsnano.0c09676">https://doi.org/10.1021/acsnano.0c09676</a> .
<b>REN Jifeng</b>	#REN Jifeng, LI Yongshu, HU Shuhuan, #LIU Yi, TSAO Sai-Wah, LAU Denvi, LUO Guannan, TSANG Chi Man, LAM Hiu Wai Raymond, "Nondestructive quantification of single-cell nuclear and cytoplasmic mechanical properties based on large whole-cell deformation", <i>Lab on a Chip</i> , 20(22), 08 October 2020, pp 4175-4185, doi: <a href="https://doi.org/10.1039/d0lc00725k">https://doi.org/10.1039/d0lc00725k</a> . #QIAN Jingui, #REN Jifeng, HUANG Wei, LAM Hiu Wai Raymond, LEE En-yuan Joshua, "Acoustically Driven Manipulation of Microparticles and Cells on a Detachable Surface Micromachined Silicon Chip", <i>IEEE Sensors Journal</i> , 21(10), 12 March 2021, pp 11999-12008, doi: <a href="https://doi.org/10.1109/JSEN.2021.3065694">https://doi.org/10.1109/JSEN.2021.3065694</a> . #LIU Yi, #REN Jifeng, ZHANG Ruolin, HU Shuhuan, PANG Stella W., LAM Hiu Wai Raymond, "Spreading and Migration of Nasopharyngeal Normal and Cancer Cells on Microgratings", <i>ACS Applied Bio Materials</i> , 4(4), 19 February 2021, pp 3224-3231, doi: <a href="https://doi.org/10.1021/acssabm.0c01610">https://doi.org/10.1021/acssabm.0c01610</a> . #QIAN Jingui, #REN Jifeng, #LIU Yi, LAM Hiu Wai Raymond, LEE En-yuan Joshua, "A two-chip acoustofluidic particle manipulation platform with a detachable and reusable surface acoustic wave device", <i>The Analyst</i> , 145(23), 01 September 2020, pp 7752-7758, doi: <a href="https://doi.org/10.1039/d0an01469a">https://doi.org/10.1039/d0an01469a</a> . #LIAO Junchen, #REN Jifeng, #HUANG Wei, LAM Hiu Wai Raymond, CHUA Song Lin, KHOO Bee Luan, "Label-free biosensor of phagocytosis for diagnosing bacterial infections", <i>Biosensors and Bioelectronics</i> , 191, 11 June 2021, doi: <a href="https://doi.org/10.1016/j.bios.2021.113412">https://doi.org/10.1016/j.bios.2021.113412</a> .
<b>SHI Shuo</b>	GENG Lihong, HU Shuaishuai, CUI Miao, WU Jianming, HUANG An, #SHI Shuo, PENG Xiangfang, "Muscle-inspired double-network hydrogels with robust mechanical property, biocompatibility and ionic conductivity", <i>Carbohydrate Polymers</i> , 262, 13 March 2021, doi: <a href="https://doi.org/10.1016/j.carbpol.2021.117936">https://doi.org/10.1016/j.carbpol.2021.117936</a> . DING Jiheng, #SHI Shuo, ZHAO Hongran, LIU Panlin, YU Haibin, "Graphdiyne-Based Thermal Fluids", <i>Carbon</i> , 176, 02 February 2021, pp 235-241, doi: <a href="https://doi.org/10.1016/j.carbon.2021.01.118">https://doi.org/10.1016/j.carbon.2021.01.118</a> . IQBAL Mohammad Irfan, #SHI Shuo, JIANG Yuanzhang, FEI Bin, XIA Qingyou, WANG Xin, HU Wenbo, HU Jinlian, "Woolen Respirators for Thermal Management", <i>Advanced Materials Technologies</i> , 6(6), 20 April 2021, doi: <a href="https://doi.org/10.1002/admt.202100201">https://doi.org/10.1002/admt.202100201</a> .
<b>TAN Rong</b>	#ZHANG Tieshan, #YANG Liu, #YANG Xiong, #TAN Rong, LU Haojian, SHEN Yajing, "Millimeter-Scale Soft Continuum Robots for Large-Angle and High-Precision Manipulation by Hybrid Actuation", <i>Advanced Intelligent Systems</i> , 3(2), 19 November 2020, doi: <a href="https://doi.org/10.1002/aisy.202000189">https://doi.org/10.1002/aisy.202000189</a> . #YANG Xiong, SHANG Wanfeng, LU Haojian, LIU Yanting, #YANG Liu, #TAN Rong, WU Xinyu, SHEN Yajing, "An agglutinate magnetic spray transforms inanimate objects into millirobots for biomedical applications", <i>Science Robotics</i> , 5(48), 18 November 2020, doi: <a href="https://doi.org/10.1126/scirobotics.abc8191">https://doi.org/10.1126/scirobotics.abc8191</a> . #YANG Xiong, #TAN Rong, LU Haojian, SHEN Yajing, "Starfish Inspired Milli Soft Robot with Omnidirectional Adaptive Locomotion Ability", <i>IEEE Robotics and Automation Letters</i> , 6(2), 01 March 2021, pp 3325-3332, doi: <a href="https://doi.org/10.1109/LRA.2021.3062823">https://doi.org/10.1109/LRA.2021.3062823</a> .
<b>TAN Shixin</b>	#TAN Shixin, #ZHONG Shangkun, CHIRARATTANANON Pakpong, "A One-Step Visual-Inertial Ego-Motion Estimation using Photometric Feedback", <i>IEEE/ASME Transactions on Mechatronics</i> , 09 February 2021, doi: <a href="https://doi.org/10.1109/TMECH.2021.3057887">https://doi.org/10.1109/TMECH.2021.3057887</a> .
<b>WANG Gaobo</b>	#WANG Gaobo, #WU Minghui, #CHU Lok Ting, CHEN Ting Hsuan, "Portable microfluidic device with thermometer-like display for real-time visual quantitation of Cadmium(II) contamination in drinking water", <i>Analytica Chimica Acta</i> , 1160, 22 March 2021, doi: <a href="https://doi.org/10.1016/j.aca.2021.338444">https://doi.org/10.1016/j.aca.2021.338444</a> . #JIANG Tianyi, #WANG Gaobo, CHEN Ting Hsuan, "Microfluidic particle accumulation for visual quantitation of copper ions", <i>Microchimica Acta</i> , 188(5), 27 April 2021, doi: <a href="https://doi.org/10.1007/s00604-021-04822-0">https://doi.org/10.1007/s00604-021-04822-0</a> . #WU Minghui, #WANG Gaobo, #CHU Lok Ting, #HUANG Hanjin, CHEN Ting Hsuan, "Cascade-Amplified Microfluidic Particle Accumulation Enabling Quantification of Lead Ions through

## Section A: Publications of PhD Students

	Visual Inspection", <i>Sensors and Actuators, B: Chemical</i> , 324, 09 August 2020, doi: <a href="https://doi.org/10.1016/j.snb.2020.128727">https://doi.org/10.1016/j.snb.2020.128727</a> .
<b>WANG Shudong</b>	#WANG Shudong, ZHU Weilong, SHEN Yajing, REN Juan, GU Hairong, WEI Xueyong, "Temperature compensation for MEMS resonant accelerometer based on genetic algorithm optimized backpropagation neural network", <i>Sensors and Actuators, A: Physical</i> , 316, 24 October 2020, doi: <a href="https://doi.org/10.1016/j.sna.2020.112393">https://doi.org/10.1016/j.sna.2020.112393</a> . #WANG Shudong, WEI Xueyong, LU Haojian, REN Ziming, JIANG Zhuangde, REN Juan, YANG Zhan, SUN Lining, SHANG Wanfeng, WU Xinyu, SHEN Yajing, "Robot-aided fN-m torque sensing within an ultrawide dynamic range", <i>Microsystems &amp; Nanoengineering</i> , 7(1), 04 January 2021, doi: <a href="https://doi.org/10.1038/s41378-020-00231-0">https://doi.org/10.1038/s41378-020-00231-0</a> .
<b>WANG Yuan</b>	CHEN Bing, #WANG Yuan, #GUO Yang, SHI Peng, WANG Feng, "NaYbF <sub>4</sub> @NaYF <sub>4</sub> Nanoparticles: Controlled Shell Growth and Shape-Dependent Cellular Uptake", <i>ACS Applied Materials and Interfaces</i> , 13(2), 06 January 2021, pp 2327–2335, doi: <a href="https://doi.org/10.1021/acscami.0c20757">https://doi.org/10.1021/acscami.0c20757</a> . XIE Kai, WANG Zixun, #QI Lin, #ZHAO Xi, #WANG Yuan, #QU Jin, XU Ping, HUANG Linfeng, ZHANG Wenjun, YANG Yang, WANG Xin, SHI Peng, "Profiling MicroRNAs with Associated Spatial Dynamics in Acute Tissue Slices", <i>ACS Nano</i> , 15(3), 10 March 2021, pp 4881–4892, doi: <a href="https://doi.org/10.1021/acsnano.0c09676">https://doi.org/10.1021/acsnano.0c09676</a> .
<b>WEI Ruofeng</b>	#MO Hangjie, #WEI Ruofeng, OUYANG Bo, #XING Liuxi, SHAN Yanhu, LIU Yunhui, SUN Dong, "Control of a Flexible Continuum Manipulator for Laser Beam Steering", <i>IEEE Robotics and Automation Letters</i> , 6(2), 02 February 2021, pp 1074-1081, doi: <a href="https://doi.org/10.1109/LRA.2021.3056335">https://doi.org/10.1109/LRA.2021.3056335</a> .
<b>WEI Tanyong</b>	#WEI Tanyong, LIU Jiang, LI Dongfang, CHEN Shuxun, #ZHANG Yachao, LI Junyang, #FAN Lei, #GUAN Zhangyan, LO Chung Mau, WANG Lidai, MAN Kwan, SUN Dong, "Development of Magnet-Driven and Image-Guided Degradable Microrobots for the Precise Delivery of Engineered Stem Cells for Cancer Therapy", <i>Small</i> , 16(41), 20 September 2020, doi: <a href="https://doi.org/10.1002/smll.201906908">https://doi.org/10.1002/smll.201906908</a> .
<b>WEN Guohua</b>	#WEN Guohua, #LI Xiaozhen, #ZHANG Yachao, #HAN Xiongqi, XU Xiayi, #LIU Chao, CHAN Wai Yan Kannie, LEE Chun Sing, YIN Chao, BIAN Liming, WANG Lidai, "Effective Phototheranostics of Brain Tumor Assisted by Near-Infrared-II Light-Responsive Semiconducting Polymer Nanoparticles", <i>ACS applied materials &amp; interfaces</i> , 12(30), 06 July 2020, pp 33492-33499, doi: <a href="https://doi.org/10.1021/acscami.0c08562">https://doi.org/10.1021/acscami.0c08562</a> . FU Tao, LIU Xing-Xing, #WEN Guohua, SUN Tang-You, XIAO Gong-Li, LI Hai-Ou, "Broadband asymmetric transmission for linearly and circularly polarization based on sand-clock structured metamaterial", <i>Chinese Physics B</i> , 30(1), January 2021, doi: <a href="https://doi.org/10.1088/1674-1056/abb662">https://doi.org/10.1088/1674-1056/abb662</a> . LI Shengliang, DENG Qingyuan, #ZHANG Yachao, #LI Xiaozhen, #WEN Guohua, #CUI Xiao, #WAN Yingpeng, HUANG Yongwei, CHEN Jiexiong, LIU Zhonghua, WANG Lidai, LEE Chun Sing, "Rational Design of Conjugated Small Molecules for Superior Photothermal Theranostics in the NIR-II Biowindow", <i>Advanced Materials</i> , 32(33), 06 July 2020, doi: <a href="https://doi.org/10.1002/adma.202001146">https://doi.org/10.1002/adma.202001146</a> .
<b>WU Minghui</b>	#HARTANTO Hogi, #WU Minghui, LAM Miu Ling, CHEN Ting Hsuan, "Microfluidic immunoassay for detection of serological antibodies: A potential tool for rapid evaluation of immunity against SARS-CoV-2", <i>Biomicrofluidics</i> , 14(6), November 2020, doi: <a href="https://doi.org/10.1063/5.0031521">https://doi.org/10.1063/5.0031521</a> . #WANG Gaobo, #WU Minghui, #CHU Lok Ting, CHEN Ting Hsuan, "Portable microfluidic device with thermometer-like display for real-time visual quantitation of Cadmium(II) contamination in drinking water", <i>Analytica Chimica Acta</i> , 1160, 22 March 2021, doi: <a href="https://doi.org/10.1016/j.aca.2021.338444">https://doi.org/10.1016/j.aca.2021.338444</a> . #WU Minghui, #WANG Gaobo, #CHU Lok Ting, #HUANG Hanjin, CHEN Ting Hsuan, "Cascade-Amplified Microfluidic Particle Accumulation Enabling Quantification of Lead Ions through Visual Inspection", <i>Sensors and Actuators, B: Chemical</i> , 324, 09 August 2020, doi: <a href="https://doi.org/10.1016/j.snb.2020.128727">https://doi.org/10.1016/j.snb.2020.128727</a> .
<b>WU Siying</b>	#WU Siying, HULME John P., "Recent Advances in the Detection of Antibiotic and Multi-Drug Resistant <i>Salmonella</i> : An Update", <i>International Journal of Molecular Sciences</i> , 22(7), 28 March 2021, doi: <a href="https://doi.org/10.3390/ijms22073499">https://doi.org/10.3390/ijms22073499</a> .

Section A: Publications of PhD Students

	<u>BAO Yuanye</u> , # <u>WU Siying</u> , # <u>CHU Lok Ting</u> , # <u>KWONG Hoi Kwan</u> , # <u>HARTANTO Hogi</u> , <u>HUANG Yaozhun</u> , <u>LAM Miu Ling</u> , <u>LAM Hiu Wai Raymond</u> , <u>CHEN Ting Hsuan</u> , "Early Committed Clockwise Cell Chirality Upregulates Adipogenic Differentiation of Mesenchymal Stem Cells", <i>Advanced Biosystems</i> , 4(10), 31 August 2020, doi: <a href="https://doi.org/10.1002/adbi.202000161">https://doi.org/10.1002/adbi.202000161</a> .
<b>XING Liuxi</b>	# <u>MO Hangjie</u> , # <u>WEI Ruofeng</u> , <u>OUYANG Bo</u> , # <u>XING Liuxi</u> , <u>SHAN Yanhu</u> , <u>LIU Yunhui</u> , <u>SUN Dong</u> , "Control of a Flexible Continuum Manipulator for Laser Beam Steering", <i>IEEE Robotics and Automation Letters</i> , 6(2), 02 February 2021, pp 1074-1081, doi: <a href="https://doi.org/10.1109/LRA.2021.3056335">https://doi.org/10.1109/LRA.2021.3056335</a> . # <u>XING Liuxi</u> , <u>LIAO Pan</u> , # <u>MO Hangjie</u> , <u>LI Dongfang</u> , <u>SUN Dong</u> , "Preformation Characterization of a Torque-Driven Magnetic Microswimmer with Multi-Segment Structure", <i>IEEE Access</i> , 9, 11 February 2021, pp 29279-29292, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3058527">https://doi.org/10.1109/ACCESS.2021.3058527</a> . # <u>MO Hangjie</u> , <u>OUYANG Bo</u> , # <u>XING Liuxi</u> , # <u>DONG Dingran</u> , <u>LIU Yunhui</u> , <u>SUN Dong</u> , "Automated 3-D Deformation of a Soft Object Using a Continuum Robot", <i>IEEE Transactions on Automation Science and Engineering</i> , 16 November 2020, doi: <a href="https://doi.org/10.1109/TASE.2020.3033558">https://doi.org/10.1109/TASE.2020.3033558</a> .
<b>XU Ying</b>	<u>KATHRADA Ahmad Ismat</u> , <u>WEI Shih-Chung</u> , # <u>XU Ying</u> , <u>CHEOW and Lih Feng</u> , <u>CHEN Chia-Hung</u> , "Microfluidic compartmentalization to identify gene biomarkers of infection", <i>Biomicrofluidics</i> , 14(6), November 2020, doi: <a href="https://doi.org/10.1063/5.0032849">https://doi.org/10.1063/5.0032849</a> .
<b>YAN Youcan</b>	# <u>YAN Youcan</u> , # <u>HU Zhe</u> , <u>YANG Zhengbao</u> , <u>YUAN Wenzhen</u> , <u>SONG Chaoyang</u> , <u>PAN Jia</u> , <u>SHEN Yajing</u> , "Soft magnetic skin for super-resolution tactile sensing with force self-decoupling", <i>Science Robotics</i> , 6(51), 17 February 2021, doi: <a href="https://doi.org/10.1126/scirobotics.abc8801">https://doi.org/10.1126/scirobotics.abc8801</a> . # <u>YAN Youcan</u> , <u>PAN Jia</u> , "Fast Localization and Segmentation of Tissue Abnormalities by Autonomous Robotic Palpation", <i>IEEE Robotics and Automation Letters</i> , 6(2), 11 February 2021, pp 1707-1714, doi: <a href="https://doi.org/10.1109/LRA.2021.3058870">https://doi.org/10.1109/LRA.2021.3058870</a> .
<b>YANG Liu</b>	# <u>ZHANG Tieshan</u> , # <u>YANG Liu</u> , # <u>YANG Xiong</u> , # <u>TAN Rong</u> , <u>LU Haojian</u> , <u>SHEN Yajing</u> , "Millimeter-Scale Soft Continuum Robots for Large-Angle and High-Precision Manipulation by Hybrid Actuation", <i>Advanced Intelligent Systems</i> , 3(2), 19 November 2020, doi: <a href="https://doi.org/10.1002/aisy.202000189">https://doi.org/10.1002/aisy.202000189</a> . <u>LIU Yanting</u> , # <u>YANG Yuanyuan</u> , # <u>YANG Xiong</u> , # <u>YANG Liu</u> , <u>SHEN Yajing</u> , <u>SHANG Wanfeng</u> , "Multi-functionalized micro-helical capsule robots with superior loading and releasing capabilities", <i>Journal of Materials Chemistry B</i> , 9(5), 24 December 2020, pp 1441-1451, doi: <a href="https://doi.org/10.1039/d0tb02329a">https://doi.org/10.1039/d0tb02329a</a> . # <u>YANG Xiong</u> , <u>SHANG Wanfeng</u> , <u>LU Haojian</u> , <u>LIU Yanting</u> , # <u>YANG Liu</u> , # <u>TAN Rong</u> , <u>WU Xinyu</u> , <u>SHEN Yajing</u> , "An agglutinate magnetic spray transforms inanimate objects into millirobots for biomedical applications", <i>Science Robotics</i> , 5(48), 18 November 2020, doi: <a href="https://doi.org/10.1126/scirobotics.abc8191">https://doi.org/10.1126/scirobotics.abc8191</a> .
<b>YANG Ruohan</b>	# <u>YANG Ruohan</u> , <u>LIU Lu</u> , <u>FENG Gang Gary</u> , "Leader-Following Output Consensus of Heterogeneous Uncertain Linear Multiagent Systems With Dynamic Event-Triggered Strategy", <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 20 November 2020, doi: <a href="https://doi.org/10.1109/TSMC.2020.3034352">https://doi.org/10.1109/TSMC.2020.3034352</a> . # <u>YANG Ruohan</u> , <u>LIU Lu</u> , <u>FENG Gang Gary</u> , "Event-Triggered Robust Control for Output Consensus of Unknown Discrete-Time Multiagent Systems With Unmodeled Dynamics", <i>IEEE Transactions on Cybernetics</i> , 07 December 2020, doi: <a href="https://doi.org/10.1109/TCYB.2020.3034697">https://doi.org/10.1109/TCYB.2020.3034697</a> .
<b>YANG Xiong</b>	<u>WANG Panbing</u> , # <u>AL AZAD Muha Ajijur Rahman</u> , # <u>YANG Xiong</u> , <u>MARTELLIC Paolo R.</u> , <u>CHEUNG Kam Yan</u> , <u>SHI Jiahai</u> , <u>SHEN Yajing</u> , "Self-adaptive and efficient propulsion of Ray sperms at different viscosities enabled by heterogeneous dual helixes", <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 118(23), 04 June 2021, doi: <a href="https://doi.org/10.1073/pnas.2024329118">https://doi.org/10.1073/pnas.2024329118</a> . # <u>ZHANG Tieshan</u> , # <u>YANG Liu</u> , # <u>YANG Xiong</u> , # <u>TAN Rong</u> , <u>LU Haojian</u> , <u>SHEN Yajing</u> , "Millimeter-Scale Soft Continuum Robots for Large-Angle and High-Precision Manipulation by Hybrid Actuation", <i>Advanced Intelligent Systems</i> , 3(2), 19 November 2020, doi: <a href="https://doi.org/10.1002/aisy.202000189">https://doi.org/10.1002/aisy.202000189</a> . <u>LIU Yanting</u> , # <u>YANG Yuanyuan</u> , # <u>YANG Xiong</u> , # <u>YANG Liu</u> , <u>SHEN Yajing</u> , <u>SHANG Wanfeng</u> , "Multi-functionalized micro-helical capsule robots with superior loading and releasing

Section A: Publications of PhD Students

	capabilities", <i>Journal of Materials Chemistry B</i> , 9(5), 24 December 2020, pp 1441-1451, doi: <a href="https://doi.org/10.1039/d0tb02329a">https://doi.org/10.1039/d0tb02329a</a> .
	#YANG Xiong, SHANG Wanfeng, LU Haojian, LIU Yanting, #YANG Liu, #TAN Rong, WU Xinyu, SHEN Yajing, "An agglutinate magnetic spray transforms inanimate objects into millirobots for biomedical applications", <i>Science Robotics</i> , 5(48), 18 November 2020, doi: <a href="https://doi.org/10.1126/scirobotics.abc8191">https://doi.org/10.1126/scirobotics.abc8191</a> .
	#YANG Xiong, #TAN Rong, LU Haojian, SHEN Yajing, "Starfish Inspired Milli Soft Robot with Omnidirectional Adaptive Locomotion Ability", <i>IEEE Robotics and Automation Letters</i> , 6(2), 01 March 2021, pp 3325-3332, doi: <a href="https://doi.org/10.1109/LRA.2021.3062823">https://doi.org/10.1109/LRA.2021.3062823</a> .
<b>YANG Yajue</b>	#YANG Yajue, LONG Pinxin, SONG Xibin, PAN Jia, ZHANG Liangjun, "Optimization-Based Framework for Excavation Trajectory Generation", <i>IEEE Robotics and Automation Letters</i> , 6(2), 09 February 2021, pp 1479-1486, doi: <a href="https://doi.org/10.1109/LRA.2021.3058071">https://doi.org/10.1109/LRA.2021.3058071</a> .
<b>YANG Yuanyuan</b>	#YANG Yuanyuan, LIU Yanting, SHEN Yajing, "Plasmonic-Enhanced Graphene Oxide-Based Aquatic Robot for Target Cargo Delivery", <i>ACS Applied Materials and Interfaces</i> , 13, 22 December 2020, pp 1503-1510, doi: <a href="https://doi.org/10.1021/acscami.0c18542">https://doi.org/10.1021/acscami.0c18542</a> .
	#YANG Yuanyuan, SHEN Yajing, "Light-Driven Carbon-Based Soft Materials: Principle, Robotization, and Application", <i>Advanced Optical Materials</i> , 9(12), 07 April 2021, doi: <a href="https://doi.org/10.1002/adom.202100035">https://doi.org/10.1002/adom.202100035</a> .
	LIU Yanting, #YANG Yuanyuan, #YANG Xiong, #YANG Liu, SHEN Yajing, SHANG Wanfeng, "Multi-functionalized micro-helical capsule robots with superior loading and releasing capabilities", <i>Journal of Materials Chemistry B</i> , 9(5), 24 December 2020, pp 1441-1451, doi: <a href="https://doi.org/10.1039/d0tb02329a">https://doi.org/10.1039/d0tb02329a</a> .
<b>YANG Ziwen</b>	#YANG Ziwen, CHEN Cailian, ZHU Shanying, GUAN Xin-Ping, FENG Gang Gary, "Distributed Entrapping Control of Multi-Agent Systems Using Bearing Measurements", <i>IEEE Transactions on Automatic Control</i> , 23 December 2020, doi: <a href="https://doi.org/10.1109/TAC.2020.3046714">https://doi.org/10.1109/TAC.2020.3046714</a> .
<b>YAO Kuanming</b>	WU Mengge, #GAO Zhan, #YAO Kuanming, HOU S., LIU Y., LI Dongfang, #HE Jiahui, HUANG X., SONG Enming, YU J., YU Xinge, "Thin, soft, skin-integrated foam-based triboelectric nanogenerators for tactile sensing and energy harvesting", <i>Materials Today Energy</i> , 20(100657), 27 January 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100657">https://doi.org/10.1016/j.mtener.2021.100657</a> .
	#YAO Kuanming, #YAO Jingyi, #HAI Zhao, LI Dengfeng, XIE Zhaoqian, YU Xinge, "用于触觉感知的自供能可拉伸压电橡胶皮肤电子器件", <i>物理学报/Acta Physica Sinica</i> , 69(17), 05 September 2020, doi: <a href="https://doi.org/10.7498/aps.69.20200664">https://doi.org/10.7498/aps.69.20200664</a> .
	#HE Jiahui, XIE Zhaoqian, #YAO Kuanming, LI Dengfeng, #LIU Yiming, #GAO Zhan, LU Wei, CHANG Lingqian, YU Xinge, "Trampoline inspired stretchable triboelectric nanogenerators as tactile sensors for epidermal electronics", <i>Nano Energy</i> , 81, 11 November 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105590">https://doi.org/10.1016/j.nanoen.2020.105590</a> .
	#LIU Yiming, #ZHENG Huanxi, #ZHAO Ling, #LIU Shiyuan, #YAO Kuanming, LI Dengfeng, #YIU Chun Ki, GAO Shenghan, AVILA Raudel, CHIRARATTANANON Pakpong, CHANG Lingqian, WANG Zuankai, HUANG Xian, XIE Zhaoqian, YANG Zhengbao, YU Xinge, "Electronic Skin from High-Throughput Fabrication of Intrinsically Stretchable Lead Zirconate Titanate Elastomer", <i>Research</i> , 2020, 17 October 2020, doi: <a href="https://doi.org/10.34133/2020/1085417">https://doi.org/10.34133/2020/1085417</a> .
	WU Mengge, #YAO Kuanming, LI Dongfang, #HUANG Xingcan, #LIU Yiming, WANG Lidai, SONG Enming, YU J., YU Xinge, "Self-powered skin electronics for energy harvesting and healthcare monitoring", <i>Materials Today Energy</i> , 21, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100786">https://doi.org/10.1016/j.mtener.2021.100786</a> .
	XIE Zhaoqian, SONG Enming, BAI Wubin, LUAN Haiwen, JI Bowen, NING Xin, XIA Yu, BAEK Janice Mihyun, LEE Yujin, AVILA Raudel, CHEN Huang-Yu, KIM Jae-Hwan, MADHVAPATHY Surabhi, #YAO Kuanming, LI Dengfeng, #ZHOU Jingkun, HAN Mengdi, WON Sang Min, ZHANG Xinyuan, MYERS Daniel J, MEI Yongfeng, GUO Xu, XU Shuai, CHANG Jan-Kai, YU Xinge, HUANG Yonggang, ROGERS John A., "Miniaturized electromechanical devices for the characterization of the biomechanics of deep tissue", <i>Nature Biomedical Engineering</i> , 5(7), 27 May 2021, pp 759-771, doi: <a href="https://doi.org/10.1038/s41551-021-00723-y">https://doi.org/10.1038/s41551-021-00723-y</a> .
	#LIU Yiming, #YIU Chun Ki, #JIA Huiling, #WONG Tsz Hung, #YAO Kuanming, HUANG Ya, #ZHOU Jingkun, #HUANG Xingcan, #ZHAO Ling, LI Dengfeng, WU Mengge, #GAO Zhan, #HE Jiahui, SONG Enming, YU Xinge, "Thin, soft, garment-integrated triboelectric nanogenerators

Section A: Publications of PhD Students

	for energy harvesting and human machine interfaces", <i>EcoMat</i> , 22 June 2021, doi: <a href="https://doi.org/10.1002/eom2.12123">https://doi.org/10.1002/eom2.12123</a> .
	#YAO Kuanming, #LIU Yiming, LI Dengfeng, #HE Jiahui, #LI Jiyu, LAM Hiu Wai Raymond, XIE Zhaoqian, WANG Lidai, YU Xinge, "Mechanics designs-performance relationships in epidermal triboelectric nanogenerators", <i>Nano Energy</i> , 76, 02 July 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105017">https://doi.org/10.1016/j.nanoen.2020.105017</a> .
	#HE Jiahui, #LIU Yiming, LI Dengfeng, #YAO Kuanming, #GAO Zhan, YU Xinge, "Stretchable Triboelectric Nanogenerators for Energy Harvesting and Motion Monitoring", <i>IEEE Open Journal of Nanotechnology</i> , 1, 25 August 2020, pp 109-116, doi: <a href="https://doi.org/10.1109/OJNANO.2020.3019425">https://doi.org/10.1109/OJNANO.2020.3019425</a> .
	LI Dengfeng, #YAO Kuanming, #GAO Zhan, #LIU Yiming, YU Xinge, "Recent progress of skin-integrated electronics for intelligent sensing", <i>Light: Advanced Manufacturing</i> , 12 January 2021, doi: <a href="https://doi.org/10.37188/lam.2021.004">https://doi.org/10.37188/lam.2021.004</a> .
	LI Dengfeng, WANG Song, #HE Jiahui, ZENG Hao, #YAO Kuanming, #GAO Zhan, WU Mengge, #LIU Yiming, WANG Lidai, XIE Zhaoqian, YU Xinge, "Bioinspired Ultrathin Piecewise Controllable Soft Robots", <i>Advanced Materials Technologies</i> , 31 March 2021, doi: <a href="https://doi.org/10.1002/admt.202001095">https://doi.org/10.1002/admt.202001095</a> .
<b>YIU Chun Ki</b>	#LIU Yiming, #ZHENG Huanxi, #ZHAO Ling, #LIU Shiyuan, #YAO Kuanming, LI Dengfeng, #YIU Chun Ki, GAO Shenghan, AVILA Raudel, CHIRARATTANANON Pakpong, CHANG Lingqian, WANG Zuankai, HUANG Xian, XIE Zhaoqian, YANG Zhengbao, YU Xinge, "Electronic Skin from High-Throughput Fabrication of Intrinsically Stretchable Lead Zirconate Titanate Elastomer", <i>Research</i> , 2020, 17 October 2020, doi: <a href="https://doi.org/10.34133/2020/1085417">https://doi.org/10.34133/2020/1085417</a> .
	#LIU Yiming, #YIU Chun Ki, #JIA Huiling, #WONG Tsz Hung, #YAO Kuanming, HUANG Ya, #ZHOU Jingkun, #HUANG Xingcan, #ZHAO Ling, LI Dengfeng, WU Mengge, #GAO Zhan, #HE Jiahui, SONG Enming, YU Xinge, "Thin, soft, garment-integrated triboelectric nanogenerators for energy harvesting and human machine interfaces", <i>EcoMat</i> , 22 June 2021, doi: <a href="https://doi.org/10.1002/eom2.12123">https://doi.org/10.1002/eom2.12123</a> .
	#GAO Zhan, #YIU Chun Ki, #LIU Yiming, LI Dengfeng, #MEI Liang, ZENG Zhiyuan, YU Xinge, "Stretchable transparent conductive elastomers for skin-integrated electronics", <i>Journal of Materials Chemistry C</i> , 8(43), 22 July 2020, pp 15105-15111, doi: <a href="https://doi.org/10.1039/d0tc02913k">https://doi.org/10.1039/d0tc02913k</a> .
<b>YU Jinming</b>	KUWENTRAI Chaiyaporn, #YU Jinming, RONG Li, ZHANG Bao-Zhong, HU Ye-Fan, GONG Hua-Rui, DOU Ying, DENG Jian, HUANG Jian-Dong, XU Chenjie, "Intradermal delivery of receptor-binding domain of SARS-CoV-2 spike protein with dissolvable microneedles to induce humoral and cellular responses in mice", <i>Bioengineering and Translational Medicine</i> , 6(1), 25 November 2020, doi: <a href="https://doi.org/10.1002/btm2.10202">https://doi.org/10.1002/btm2.10202</a> .
	KUWENTRAI Chaiyaporn, #YU Jinming, ZHANG Bao-zhong, HU Ye-Fan, DOU Ying, GONG Hua-Rui, HUANG Jian-dong, XU Chenjie, "Induction of Humoral and Cellular Immunity by Intradermal Delivery of SARS-CoV-2 Nucleocapsid Protein Using Dissolvable Microneedles", <i>Journal of Immunology Research</i> , 2021, 18 May 2021, doi: <a href="https://doi.org/10.1155/2021/5531220">https://doi.org/10.1155/2021/5531220</a> .
	#YU Jinming, KUWENTRAI Chaiyaporn, HUANG Jian-Dong, XU Chenjie, "Carbon-based nanomaterials for viral infection management", <i>Biomicrofluidics</i> , 15(1), 04 January 2021, doi: <a href="https://doi.org/10.1063/5.0032427">https://doi.org/10.1063/5.0032427</a> .
<b>ZHANG Jing</b>	#ZHANG Jing, CHUA Song Lin, KHOO Bee Luan, "Worm-Based Microfluidic Biosensor for Real-Time Assessment of the Metastatic Status", <i>Cancers</i> , 13(4), 19 February 2021, doi: <a href="https://doi.org/10.3390/cancers13040873">https://doi.org/10.3390/cancers13040873</a> .
<b>ZHANG Tieshan</b>	#LI Gen, #ZHANG Tieshan, SHEN Yajing, "Transparent Magnetic Soft Millirobot Actuated by Micro-Node Array", <i>Advanced Materials Technologies</i> , 10 June 2021, doi: <a href="https://doi.org/10.1002/admt.202100131">https://doi.org/10.1002/admt.202100131</a> .
	#ZHANG Tieshan, #YANG Liu, #YANG Xiong, #TAN Rong, LU Haojian, SHEN Yajing, "Millimeter-Scale Soft Continuum Robots for Large-Angle and High-Precision Manipulation by Hybrid Actuation", <i>Advanced Intelligent Systems</i> , 3(2), 19 November 2020, doi: <a href="https://doi.org/10.1002/aisy.202000189">https://doi.org/10.1002/aisy.202000189</a> .

Section A: Publications of PhD Students

<b>ZHANG Yachao</b>	#WEN Guohua, #LI Xiaozhen, #ZHANG Yachao, #HAN Xiongqi, XU Xiayi, #LIU Chao, CHAN Wai Yan Kannie, LEE Chun Sing, YIN Chao, BIAN Liming, WANG Lidai, "Effective Phototheranostics of Brain Tumor Assisted by Near-Infrared-II Light-Responsive Semiconducting Polymer Nanoparticles", <i>ACS applied materials &amp; interfaces</i> , 12(30), 06 July 2020, pp 33492-33499, doi: <a href="https://doi.org/10.1021/acsami.0c08562">https://doi.org/10.1021/acsami.0c08562</a> .
	#CHEN Jiangbo, #ZHANG Yachao, #LI Xiaozhen, #ZHU Jingyi, LI Dengfeng, LI Shengliang, LEE Chun Sing, WANG Lidai, "Confocal visible/NIR photoacoustic microscopy of tumors with structural, functional, and nanoprobe contrasts", <i>Photonics Research</i> , 8(12), 19 November 2020, pp 1875-1880, doi: <a href="https://doi.org/10.1364/PRJ.409378">https://doi.org/10.1364/PRJ.409378</a> .
	#WEI Tanyong, LIU Jiang, LI Dongfang, CHEN Shuxun, #ZHANG Yachao, LI Junyang, #FAN Lei, #GUAN Zhangyan, LO Chung Mau, WANG Lidai, MAN Kwan, SUN Dong, "Development of Magnet-Driven and Image-Guided Degradable Microrobots for the Precise Delivery of Engineered Stem Cells for Cancer Therapy", <i>Small</i> , 16(41), 20 September 2020, doi: <a href="https://doi.org/10.1002/sml.201906908">https://doi.org/10.1002/sml.201906908</a> .
	QI Shuo, #ZHANG Yachao, #LIU Gongyuan, #CHEN Jiangbo, #LI Xiaozhen, #ZHU Qi, YANG Yuqi, WANG Feng, SHI Jiahai, LEE Chun Sing, ZHU Guangyu, LAI Puxiang, WANG Lidai, FANG Chihua, "Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma", <i>Acta Biomaterialia</i> , 129, 31 May 2021, pp 245-257, doi: <a href="https://doi.org/10.1016/j.actbio.2021.05.034">https://doi.org/10.1016/j.actbio.2021.05.034</a> .
	LI Shengliang, DENG Qingyuan, #ZHANG Yachao, #LI Xiaozhen, #WEN Guohua, #CUI Xiao, #WAN Yingpeng, HUANG Yongwei, CHEN Jiexiong, LIU Zhonghua, WANG Lidai, LEE Chun Sing, "Rational Design of Conjugated Small Molecules for Superior Photothermal Theranostics in the NIR-II Biowindow", <i>Advanced Materials</i> , 32(33), 06 July 2020, doi: <a href="https://doi.org/10.1002/adma.202001146">https://doi.org/10.1002/adma.202001146</a> .
	#LIU Chao, #CHEN Jiangbo, #ZHANG Yachao, #ZHU Jingyi, WANG Lidai, "Five-wavelength optical-resolution photoacoustic microscopy of blood and lymphatic vessels", <i>Advanced Photonics</i> , 3(1), 04 January 2021, doi: <a href="https://doi.org/10.1117/1.AP.3.1.016002">https://doi.org/10.1117/1.AP.3.1.016002</a> .
	ZHA Menglei, LIN Xiangwei, NI Jen-Shyang, LI Yaxi, #ZHANG Yachao, ZHANG Xun, WANG Lidai, LI Kai, "An Ester-Substituted Semiconducting Polymer with Efficient Nonradiative Decay Enhances NIR-II Photoacoustic Performance for Monitoring of Tumor Growth", <i>Angewandte Chemie - International Edition</i> , 59(51), 05 September 2020, pp 23268-23276, doi: <a href="https://doi.org/10.1002/anie.202010228">https://doi.org/10.1002/anie.202010228</a> .
<b>ZHAO Ling</b>	#LIN Zihong, WU Guangfu, #ZHAO Ling, LAI Wai Chiu King, "Detection of Bacterial Metabolic Volatile Indole Using a Graphene-Based Field-Effect Transistor Biosensor", <i>Nanomaterials</i> , 11(5), 28 April 2021, doi: <a href="https://doi.org/10.3390/nano11051155">https://doi.org/10.3390/nano11051155</a> .
	#LIU Yiming, #ZHENG Huanxi, #ZHAO Ling, #LIU Shiyuan, #YAO Kuanming, LI Dengfeng, #YIU Chun Ki, GAO Shenghan, AVILA Raudel, CHIRARATTANANON Pakpong, CHANG Lingqian, WANG Zuankai, HUANG Xian, XIE Zhaoqian, YANG Zhengbao, YU Xinge, "Electronic Skin from High-Throughput Fabrication of Intrinsically Stretchable Lead Zirconate Titanate Elastomer", <i>Research</i> , 2020, 17 October 2020, doi: <a href="https://doi.org/10.34133/2020/1085417">https://doi.org/10.34133/2020/1085417</a> .
	#LIU Yiming, #YIU Chun Ki, #JIA Huiling, #WONG Tsz Hung, #YAO Kuanming, HUANG Ya, #ZHOU Jingkun, #HUANG Xingcan, #ZHAO Ling, LI Dengfeng, WU Mengge, #GAO Zhan, #HE Jiahui, SONG Enming, YU Xinge, "Thin, soft, garment-integrated triboelectric nanogenerators for energy harvesting and human machine interfaces", <i>EcoMat</i> , 22 June 2021, doi: <a href="https://doi.org/10.1002/eom2.12123">https://doi.org/10.1002/eom2.12123</a> .
<b>ZHAO Rong</b>	#ZHAO Rong, LIU Lu, FENG Gang Gary, "Finite Frequency $H/H_\infty$ Memory Fault Detection Filtering Design for Uncertain Takagi-Sugeno Fuzzy Affine Systems", <i>IEEE Transactions on Fuzzy Systems</i> , 16 June 2021, doi: <a href="https://doi.org/10.1109/TFUZZ.2021.3089736">https://doi.org/10.1109/TFUZZ.2021.3089736</a> .
	#ZHAO Rong, LIU Lu, FENG Gang Gary, " $H/H_\infty$ memory fault detection filtering design for uncertain systems with finite frequency specifications", <i>International Journal of Robust and Nonlinear Control</i> , 31(11), 10 May 2021, pp 5381-5403, doi: <a href="https://doi.org/10.1002/rnc.5552">https://doi.org/10.1002/rnc.5552</a> .
<b>ZHAO Xi</b>	XIE Kai, WANG Zixun, #QI Lin, #ZHAO Xi, #WANG Yuan, #QU Jin, XU Ping, HUANG Linfeng, ZHANG Wenjun, YANG Yang, WANG Xin, SHI Peng, "Profiling MicroRNAs with Associated

Section A: Publications of PhD Students

	Spatial Dynamics in Acute Tissue Slices", <i>ACS Nano</i> , 15(3), 10 March 2021, pp 4881–4892, doi: <a href="https://doi.org/10.1021/acsnano.0c09676">https://doi.org/10.1021/acsnano.0c09676</a> .
<b>ZHAO Xuan</b>	#ZHAO Xuan, FAN Tingxiang, #LI Yanwen, ZHENG Yu, PAN Jia, "An Efficient and Responsive Robot Motion Controller for Safe Human-Robot Collaboration", <i>IEEE Robotics and Automation Letters</i> , 6(3), 09 June 2021, pp 6068-6075, doi: <a href="https://doi.org/10.1109/LRA.2021.3088091">https://doi.org/10.1109/LRA.2021.3088091</a> . CHEN Zhiming, FAN Tingxiang, #ZHAO Xuan, LIANG Jing, SHEN Cong, CHEN Hua, MANOCHA Dinesh, PAN Jia, ZHANG Wei, "Autonomous Social Distancing in Urban Environments Using a Quadruped Robot", <i>IEEE Access</i> , 9, 06 January 2021, pp 8392-8403, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3049426">https://doi.org/10.1109/ACCESS.2021.3049426</a> .
<b>ZHONG Shangkun</b>	#ZHONG Shangkun, CHIRARATTANANON Pakpong, "An Efficient Iterated EKF-Based Direct Visual-Inertial Odometry for MAVs Using a Single Plane Primitive", <i>IEEE Robotics and Automation Letters</i> , 6(2), 28 December 2020, pp 486-493, doi: <a href="https://doi.org/10.1109/LRA.2020.3047775">https://doi.org/10.1109/LRA.2020.3047775</a> . #TAN Shixin, #ZHONG Shangkun, CHIRARATTANANON Pakpong, "A One-Step Visual-Inertial Ego-Motion Estimation using Photometric Feedback", <i>IEEE/ASME Transactions on Mechatronics</i> , 09 February 2021, doi: <a href="https://doi.org/10.1109/TMECH.2021.3057887">https://doi.org/10.1109/TMECH.2021.3057887</a> .
<b>ZHOU Jingkun</b>	XIE Zhaoqian, SONG Enming, BAI Wubin, LUAN Haiwen, JI Bowen, NING Xin, XIA Yu, BAEK Janice Mihyun, LEE Yujin, AVILA Raudel, CHEN Huang-Yu, KIM Jae-Hwan, MADHVAPATHY Surabhi, #YAO Kuanming, LI Dengfeng, #ZHOU Jingkun, HAN Mengdi, WON Sang Min, ZHANG Xinyuan, MYERS Daniel J, MEI Yongfeng, GUO Xu, XU Shuai, CHANG Jan-Kai, YU Xinge, HUANG Yonggang, ROGERS John A., "Miniaturized electromechanical devices for the characterization of the biomechanics of deep tissue", <i>Nature Biomedical Engineering</i> , 5(7), 27 May 2021, pp 759–771, doi: <a href="https://doi.org/10.1038/s41551-021-00723-y">https://doi.org/10.1038/s41551-021-00723-y</a> . #LIU Yiming, #YIU Chun Ki, #JIA Huiling, #WONG Tsz Hung, #YAO Kuanming, HUANG Ya, #ZHOU Jingkun, #HUANG Xingcan, #ZHAO Ling, LI Dengfeng, WU Mengge, #GAO Zhan, #HE Jiahui, SONG Enming, YU Xinge, "Thin, soft, garment-integrated triboelectric nanogenerators for energy harvesting and human machine interfaces", <i>EcoMat</i> , 22 June 2021, doi: <a href="https://doi.org/10.1002/eom2.12123">https://doi.org/10.1002/eom2.12123</a> .
<b>ZHOU Zhanhong</b>	#ZHOU Zhanhong, ZHAI Xiaolong, TIN Chung, "Fully automatic electrocardiogram classification system based on generative adversarial network with auxiliary classifier", <i>Expert Systems with Applications</i> , 174, 03 March 2021, doi: <a href="https://doi.org/10.1016/j.eswa.2021.114809">https://doi.org/10.1016/j.eswa.2021.114809</a> .
<b>ZHU Jingyi</b>	#CHEN Jiangbo, #ZHANG Yachao, #LI Xiaozhen, #ZHU Jingyi, LI Dengfeng, LI Shengliang, LEE Chun Sing, WANG Lidai, "Confocal visible/NIR photoacoustic microscopy of tumors with structural, functional, and nanoprobe contrasts", <i>Photonics Research</i> , 8(12), 19 November 2020, pp 1875-1880, doi: <a href="https://doi.org/10.1364/PRJ.409378">https://doi.org/10.1364/PRJ.409378</a> . #LIU Chao, #CHEN Jiangbo, #ZHANG Yachao, #ZHU Jingyi, WANG Lidai, "Five-wavelength optical-resolution photoacoustic microscopy of blood and lymphatic vessels", <i>Advanced Photonics</i> , 3(1), 04 January 2021, doi: <a href="https://doi.org/10.1117/1.AP.3.1.016002">https://doi.org/10.1117/1.AP.3.1.016002</a> . AMJADIAN Mohammadreza, MOSTAFAVI Seyed Masood, #CHEN Jiangbo, KAVEHVASH Zahra, #ZHU Jingyi, WANG Lidai, "Super-Resolution Photoacoustic Microscopy Using Structured-Illumination", <i>IEEE Transactions on Medical Imaging</i> , 15 April 2021, doi: <a href="https://doi.org/10.1109/TMI.2021.3073555">https://doi.org/10.1109/TMI.2021.3073555</a> .
<b>Conference papers</b>	
<b>BAI Songnan</b>	#BAI Songnan, #TAN Shixin, CHIRARATTANANON Pakpong, "SplitFlyer: a Modular Quadcopter that Disassembles into Two Flying Robots", <i>2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)</i> , Virtual, Las Vegas, United States, 25-29 October 2020, pp 1207-1214, (ISBN: 978-1-7281-6211-9,978-1-7281-6212-6).
<b>BI Cong</b>	#BI Cong, XU Xiang, LIU Lu, FENG Gang Gary, "Output Consensus of Heterogeneous Linear Multi-Agent Systems with Unbounded Distributed Transmission Delays", <i>The 15<sup>th</sup> IEEE Conference on Industrial Electronics and Applications (ICIEA 2020)</i> , University of Agder and IEEE Industrial Electronics Chapter of Singapore, Virtual, Kristiansand, Norway, 09-13 November 2020, pp 345-350, (ISBN: 978-1-7281-5169-4,978-1-7281-5170-0).

Section A: Publications of PhD Students

<b>CHEN Jiangbo</b>	# <u>ZHU Jingyi</u> , # <u>LIU Chao</u> , # <u>CHEN Jiangbo</u> , # <u>ZHANG Yachao</u> , <u>WANG Lidai</u> , "Optical fluence-compensated functional optical-resolution photoacoustic microscopy", <i>Photons Plus Ultrasound: Imaging and Sensing 2021</i> , Online, California, United States, 06-11 March 2021, (ISBN: 9781510641198,9781510641204).
	# <u>CHEN Jiangbo</u> , # <u>ZHANG Yachao</u> , HE Linyun, LIANG Yizhi, <u>WANG Lidai</u> , "Wide-field photoacoustic microscopy of oxygen saturation at 1-MHz A-line rate", <i>Photons Plus Ultrasound - Imaging and Sensing 2021</i> , Online, California, United States, 06-11 March 2021, (ISBN: 9781510641204,9781510641198).
<b>CHEN Zilin</b>	<u>HUANG Jianpan</u> , # <u>LAI Ho Chi Joseph</u> , TSE Kai-hei, CHENG Gerald W. Y., # <u>HAN Xiongqi</u> , # <u>LIU Yang</u> , # <u>CHEN Zilin</u> , CHEN Lin, XU Jiadi, <u>CHAN Wai Yan Kannie</u> , "CEST and AREX data processing based on deep neural network: application to image Alzheimer's disease at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021.
	<u>HUANG Jianpan</u> , # <u>LAI Ho Chi Joseph</u> , # <u>HAN Xiongqi</u> , # <u>CHEN Zilin</u> , # <u>LIU Yang</u> , # <u>XIAO Peng</u> , CHEN Lin, XU Jiadi, <u>CHAN Wai Yan Kannie</u> , "Sensitive imaging schemes for dynamic glucose enhanced (DGE) MRI to detect glucose uptake and clearance in mouse brain at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021.
	# <u>CHEN Zilin</u> , <u>HUANG Jianpan</u> , # <u>LIU Yang</u> , # <u>LAI Ho Chi Joseph</u> , <u>CHAN Wai Yan Kannie</u> , "DGE-MRI detects the therapeutic effect of IL-33 in Alzheimer's mice by assessing cerebral glucose uptake and clearance at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021, pp 1938.
<b>HAN Xiongqi</b>	<u>HUANG Jianpan</u> , # <u>LAI Ho Chi Joseph</u> , TSE Kai-hei, CHENG Gerald W. Y., # <u>HAN Xiongqi</u> , # <u>LIU Yang</u> , # <u>CHEN Zilin</u> , CHEN Lin, XU Jiadi, <u>CHAN Wai Yan Kannie</u> , "CEST and AREX data processing based on deep neural network: application to image Alzheimer's disease at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021.
	<u>HUANG Jianpan</u> , # <u>LAI Ho Chi Joseph</u> , # <u>HAN Xiongqi</u> , # <u>CHEN Zilin</u> , # <u>LIU Yang</u> , # <u>XIAO Peng</u> , CHEN Lin, XU Jiadi, <u>CHAN Wai Yan Kannie</u> , "Sensitive imaging schemes for dynamic glucose enhanced (DGE) MRI to detect glucose uptake and clearance in mouse brain at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021.
<b>HU Zhe</b>	# <u>LU Weifeng</u> , # <u>HU Zhe</u> , PAN Jia, "Human-Robot Collaboration using Variable Admittance Control and Human Intention Prediction", <i>2020 16th IEEE International Conference on Automation Science and Engineering (CASE)</i> , Online Zoom Meeting, Hong Kong, 20-21 August 2020, pp 1116-1121, (ISBN: 978-1-7281-6904-0).
<b>HUANG Han</b>	# <u>HUANG Han</u> , MA Yong-Li, "Efficient Segmentation Using Gamma Correction with Complement Image of Chinese Rubbing Image", <i>Intelligent Computing Theories and Application - 16th International Conference, ICIC 2020, Proceedings</i> , Bari , Italy, 02-05 October 2020, pp 323-328, (ISBN: 9783030607982,9783030607999).
<b>LAI Ho Chi Joseph</b>	<u>HUANG Jianpan</u> , # <u>LAI Ho Chi Joseph</u> , TSE Kai-hei, CHENG Gerald W. Y., # <u>HAN Xiongqi</u> , # <u>LIU Yang</u> , # <u>CHEN Zilin</u> , CHEN Lin, XU Jiadi, <u>CHAN Wai Yan Kannie</u> , "CEST and AREX data processing based on deep neural network: application to image Alzheimer's disease at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021.
	<u>HUANG Jianpan</u> , # <u>LAI Ho Chi Joseph</u> , # <u>HAN Xiongqi</u> , # <u>CHEN Zilin</u> , # <u>LIU Yang</u> , # <u>XIAO Peng</u> , CHEN Lin, XU Jiadi, <u>CHAN Wai Yan Kannie</u> , "Sensitive imaging schemes for dynamic glucose enhanced (DGE) MRI to detect glucose uptake and clearance in mouse brain at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021.
	# <u>CHEN Zilin</u> , <u>HUANG Jianpan</u> , # <u>LIU Yang</u> , # <u>LAI Ho Chi Joseph</u> , <u>CHAN Wai Yan Kannie</u> , "DGE-MRI detects the therapeutic effect of IL-33 in Alzheimer's mice by assessing cerebral glucose uptake and clearance at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021, pp 1938.



Section A: Publications of PhD Students

	<u>HUANG Jianpan</u> , <u>XU Jiadi</u> , # <u>LAI Ho Chi Joseph</u> , <u>MAK Henry Ka-Fung</u> , <u>CHAN Koon Ho</u> , <u>CHAN Wai Yan Kannie</u> , "Relayed nuclear Overhauser effect (rNOE) imaging identifies multiple sclerosis: an initial human study", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021.
<b>LI Xiaoting</b>	# <u>LI Xiaoting</u> , <u>LAI Wai Chiu King</u> , "Investigation on the Coupling Effect Induced by Bilayer Structure of Thin Au Film and Graphene Nanoplates for Strain Gauge", <i>IEEE NANO 2020 - The 20<sup>th</sup> IEEE International Conference on Nanotechnology, Proceedings</i> , Virtual, Online, Montreal, Canada, 29-31 July 2020, pp 164-167, (ISBN: 9781728182643).
<b>LIU Chao</b>	# <u>ZHU Jingyi</u> , # <u>LIU Chao</u> , # <u>CHEN Jiangbo</u> , # <u>ZHANG Yachao</u> , <u>WANG Lidai</u> , "Optical fluence-compensated functional optical-resolution photoacoustic microscopy", <i>Photons Plus Ultrasound: Imaging and Sensing 2021</i> , Online, California, United States, 06-11 March 2021, (ISBN: 9781510641198,9781510641204).
<b>LIU Yang</b>	<u>HUANG Jianpan</u> , # <u>LAI Ho Chi Joseph</u> , <u>TSE Kai-hei</u> , <u>CHENG Gerald W. Y.</u> , # <u>HAN Xiongqi</u> , # <u>LIU Yang</u> , # <u>CHEN Zilin</u> , <u>CHEN Lin</u> , <u>XU Jiadi</u> , <u>CHAN Wai Yan Kannie</u> , "CEST and AREX data processing based on deep neural network: application to image Alzheimer's disease at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021. <u>HUANG Jianpan</u> , # <u>LAI Ho Chi Joseph</u> , # <u>HAN Xiongqi</u> , # <u>CHEN Zilin</u> , # <u>LIU Yang</u> , # <u>XIAO Peng</u> , <u>CHEN Lin</u> , <u>XU Jiadi</u> , <u>CHAN Wai Yan Kannie</u> , "Sensitive imaging schemes for dynamic glucose enhanced (DGE) MRI to detect glucose uptake and clearance in mouse brain at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021. # <u>CHEN Zilin</u> , <u>HUANG Jianpan</u> , # <u>LIU Yang</u> , # <u>LAI Ho Chi Joseph</u> , <u>CHAN Wai Yan Kannie</u> , "DGE-MRI detects the therapeutic effect of IL-33 in Alzheimer's mice by assessing cerebral glucose uptake and clearance at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021, pp 1938.
<b>LIU Yi</b>	# <u>QIAN Jingui</u> , # <u>REN Jifeng</u> , # <u>LIU Yi</u> , <u>LAM Hiu Wai Raymond</u> , <u>LEE En-yuan Joshua</u> , "Reusable acoustic tweezers enable 2D patterning of microparticles in microchamber on a disposable silicon chip superstrate", <i>IEEE Sensors 2020 - 2020 Conference Proceedings</i> , Virtual Conference, 25-28 October 2020, (ISBN: 978-1-7281-6801-2).
<b>LU Weifeng</b>	# <u>LU Weifeng</u> , # <u>HU Zhe</u> , <u>PAN Jia</u> , "Human-Robot Collaboration using Variable Admittance Control and Human Intention Prediction", <i>2020 16th IEEE International Conference on Automation Science and Engineering (CASE)</i> , Online Zoom Meeting, Hong Kong, 20-21 August 2020, pp 1116-1121, (ISBN: 978-1-7281-6904-0).
<b>REN Jifeng</b>	# <u>QIAN Jingui</u> , # <u>REN Jifeng</u> , # <u>LIU Yi</u> , <u>LAM Hiu Wai Raymond</u> , <u>LEE En-yuan Joshua</u> , "Reusable acoustic tweezers enable 2D patterning of microparticles in microchamber on a disposable silicon chip superstrate", <i>IEEE Sensors 2020 - 2020 Conference Proceedings</i> , Virtual Conference, 25-28 October 2020, (ISBN: 978-1-7281-6801-2).
<b>TAN Shixin</b>	# <u>BAI Songnan</u> , # <u>TAN Shixin</u> , <u>CHIRARATTANANON Pakpong</u> , "SplitFlyer: a Modular Quadcopter that Disassembles into Two Flying Robots", <i>2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)</i> , Virtual, Las Vegas, United States, 25-29 October 2020, pp 1207-1214, (ISBN: 978-1-7281-6211-9,978-1-7281-6212-6).
<b>XIAO Peng</b>	<u>HUANG Jianpan</u> , # <u>LAI Ho Chi Joseph</u> , # <u>HAN Xiongqi</u> , # <u>CHEN Zilin</u> , # <u>LIU Yang</u> , # <u>XIAO Peng</u> , <u>CHEN Lin</u> , <u>XU Jiadi</u> , <u>CHAN Wai Yan Kannie</u> , "Sensitive imaging schemes for dynamic glucose enhanced (DGE) MRI to detect glucose uptake and clearance in mouse brain at 3T", <i>2021 International Society for Magnetic Resonance in Medicine (ISMRM) &amp; Society for MR Radiographers &amp; Technologists (SMRT) Annual Meeting</i> , Online, 15-20 May 2021.
<b>XIE Heng</b>	# <u>XIE Heng</u> , # <u>CAI Xinyu</u> , <u>CHIRARATTANANON Pakpong</u> , "Towards Cooperative Transport of a Suspended Payload via Two Aerial Robots with Inertial Sensing", <i>2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)</i> , Virtual, Las Vegas, United States, 25-29 October 2020, pp 1215-1221, (ISBN: 978-1-7281-6212-6).
<b>YANG Yuanyuan</b>	# <u>YANG Yuanyuan</u> , <u>SHEN Yajing</u> , "Graphene Oxide Nanosheet Assisted Porous Chitosan Sponge for Hemostatic Applications", <i>Proceedings of the 16th Annual IEEE International</i>

Section A: Publications of PhD Students

	<i>Conference on Nano/Micro Engineered and Molecular Systems</i> , Xiamen, China, 25-29 April 2021, pp 293-296, (ISBN: 978-1-6654-1941-3).
<b>YANG Ziwen</b>	# <u>YANG Ziwen</u> , ZHU Shanying, CHEN Cailian, <u>FENG Gang Gary</u> , "Leader-Tracking in a Shape-Preserving Formation With Bearing-Only Measurements", <i>21st World Congress of the International Federation of Automatic Control, IFAC 2020</i> , Virtual, Berlin, Germany, 12-17 July 2020, pp 5958-5963.
<b>ZHANG Jin</b>	# <u>ZHANG Jin</u> , <u>LIU Lu</u> , Ji Haibo, "Exponential Convergence of Distributed Optimal Coordination for Linear Multi-Agent Systems over General Digraphs", <i>The 39th Chinese Control Conference (CCC 2020)</i> , Northeastern University, Shenyang, China, 27-29 July 2020, pp 5047-5051, (ISBN: 978-1-7281-6523-3,978-9-8815-6390-3).
<b>ZHANG Yachao</b>	# <u>ZHU Jingyi</u> , # <u>LIU Chao</u> , # <u>CHEN Jiangbo</u> , # <u>ZHANG Yachao</u> , <u>WANG Lidai</u> , "Optical fluence-compensated functional optical-resolution photoacoustic microscopy", <i>Photons Plus Ultrasound: Imaging and Sensing 2021</i> , Online, California, United States, 06-11 March 2021, (ISBN: 9781510641198,9781510641204). # <u>CHEN Jiangbo</u> , # <u>ZHANG Yachao</u> , HE Linyun, LIANG Yizhi, <u>WANG Lidai</u> , "Wide-field photoacoustic microscopy of oxygen saturation at 1-MHz A-line rate", <i>Photons Plus Ultrasound - Imaging and Sensing 2021</i> , Online, California, United States, 06-11 March 2021, (ISBN: 9781510641204,9781510641198).
<b>ZHANG Zhong</b>	# <u>ZHANG Zhong</u> , ZHENG Yu, PAN Jia, LI Xiong, LI Kaiwei, ZHANG Zhengyou, "A Flexible Dual-Core Optical Waveguide Sensor for Simultaneous and Continuous Measurement of Contact Force and Position", <i>2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)</i> , Virtual, Las Vegas, United States, 25-29 October 2020, pp 7375-7380, (ISBN: 9781728162126,9781728162133).
<b>ZHOU Yuan</b>	# <u>ZHOU Yuan</u> , <u>LIU Lu</u> , "Development and Testing of a User-adaptive Ankle Foot Orthosis", <i>ICARM 2020 CONFERENCE DIGES - 2020 5th IEEE International Conference on Advanced Robotics and Mechatronics</i> , Shenzhen, China, 18-21 December 2020, pp 582-587, (ISBN: 978-1-7281-6479-3,978-1-7281-6480-9).
<b>ZHU Jingyi</b>	# <u>ZHU Jingyi</u> , # <u>LIU Chao</u> , # <u>CHEN Jiangbo</u> , # <u>ZHANG Yachao</u> , <u>WANG Lidai</u> , "Optical fluence-compensated functional optical-resolution photoacoustic microscopy", <i>Photons Plus Ultrasound: Imaging and Sensing 2021</i> , Online, California, United States, 06-11 March 2021, (ISBN: 9781510641198,9781510641204).
<b>Patents, agreements, assignments and companies</b>	
<b>HU Zhe</b>	<u>PAN Jia</u> , # <u>HU Zhe</u> , System and method for manipulating deformable objects, Patent No.: US10,875,189, United States, 29 December 2020.
<b>All other outputs</b>	
<b>FAN Lei</b>	# <u>FAN Lei</u> , <i>Study of Microfluidic Devices for Biological Cell Patterning and Pairing</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 03 November 2020.
<b>HAN Xiongqi</b>	# <u>HAN Xiongqi</u> , <i>Developments of CEST MRI-detectable Hydrogels for Local Treatment</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 10 September 2020.
<b>HUANG Jianpan</b>	# <u>HUANG Jianpan</u> , <i>Developing Advanced CEST MRI Techniques to Noninvasively Detect Neurological Disorders at 3T</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 20 January 2021. # <u>HUANG Jianpan</u> , <u>CHAN Wai Yan Kannie</u> , Young Investigator Award, Overseas Chinese Society for Magnetic Resonance in Medicine (OCSMRM), 08 August 2020. # <u>HUANG Jianpan</u> , <u>CHAN Wai Yan Kannie</u> , ISMRM Magna Cum Laude Merit Award, August 2020.
<b>LAU Cia Hin</b>	# <u>LAU Cia Hin</u> , <i>Targeted Transcriptional Activation in Human Cells and in the Mouse Brain Tissue by Capsid-modified AAV and Evolved CRISPRa</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 31 May 2021.
<b>LI Jiyu</b>	# <u>LI Jiyu</u> , <i>Microfluidic Spatial Isolation and Cytokine Profiling of Human Immune Cells</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 04 March 2021.

Section A: Publications of PhD Students

<b>LI Xiaoting</b>	# <u>LI Xiaoting</u> , <u>LAI Wai Chiu King</u> , Student Innovation (Post-Graduate) Gold Award, Hong Kong ICT Awards 2020, 07 November 2020.
<b>LU Yu</b>	# <u>LU Yu</u> , <i>Ultrafast Photography Based on Spectral-temporal Coupling and Compressed-sensing</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 08 June 2021.
<b>MO Hangjie</b>	# <u>MO Hangjie</u> , <i>Study on Continuum Robots for Minimally Invasive Surgery</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 14 January 2021.
<b>MU Bingguo</b>	# <u>MU Bingguo</u> , <i>Flight Control of a Modular Multirotor System for Flight of Rigid Objects</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 01 September 2020.
<b>PAN Fei</b>	# <u>PAN Fei</u> , <i>Study of an Automated High-Throughput Microinjection System for Adherent Cells</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 12 January 2021.
<b>REN Jifeng</b>	# <u>REN Jifeng</u> , <i>Probing Physical Properties for Cancer Cell Classification Using Micro-structures</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 24 August 2020.
<b>WANG Anqing</b>	# <u>WANG Anqing</u> , <i>Event-triggered Control and Coordination of Uncertain Nonlinear Systems Based on Fuzzy Approximation</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 29 October 2020.
<b>WANG Shudong</b>	# <u>WANG Shudong</u> , <i>Development of High-performance MEMS Resonant Accelerometers</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 22 March 2021.
<b>WEI Tanyong</b>	# <u>WEI Tanyong</u> , <i>Investigation of Magnet-driven and Image-guided Degradable Microrobots for the Precise Delivery of Therapeutic Cells</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 27 July 2020.
<b>YANG Ruohan</b>	# <u>YANG Ruohan</u> , <i>Fully Distributed Event-triggered Adaptive Control of Uncertain Heterogeneous Multi-agent Systems</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 06 July 2020.
<b>YANG Yuanyuan</b>	# <u>YANG Yuanyuan</u> , <i>Advanced Materials Based Soft Robots Toward Biomedical Applications</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2020.
<b>YANG Ziwen</b>	# <u>YANG Ziwen</u> , <i>Localization Based Coordinated Control of Multi-Agent Systems Using Bearing Measurements</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 03 September 2020.
<b>ZHANG Yachao</b>	# <u>ZHANG Yachao</u> , <i>Ultrasound/ Photoacoustic Imaging Platform, Tumor Treatment System Development and Their Biomedical Applications</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 23 July 2020.
<b>ZHOU Yuan</b>	# <u>ZHOU Yuan</u> , <i>Design and Control of a User-Adaptive Ankle Foot Orthosis</i> , PhD Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 30 April 2021.
<b>DEPARTMENT OF COMPUTER SCIENCE</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>CHEN Junyi</b>	# <u>CHEN Junyi</u> , <u>WONG Ka Chun</u> , "Analyzing High-Order Epistasis from Genotype-Phenotype Maps Using 'Epistasis' Package", <i>Epistasis - Methods and Protocols</i> , Wong Ka-Chun (ed), Humana Press, ISBN: 9781071609460,9781071609477,9781071609491, New York, NY, 18 March 2021, pp 265-275.
<b>CHEN Xingjian</b>	# <u>CHEN Xingjian</u> , <u>WONG Ka Chun</u> , "Epistasis Detection Based on Epi-GTBN", <i>Epistasis - Methods and Protocols</i> , Wong Ka-Chun (ed), Humana Press, ISBN: 9781071609460,9781071609477,9781071609491, New York, NY, 18 March 2021, pp 325-335.
<b>LEDWABA Lehlogonolo Polaki Iviwe</b>	# <u>LEDWABA Lehlogonolo Polaki Iviwe</u> , <u>HANCKE Gerhard Petrus</u> , "Security Challenges for Industrial IoT", <i>Wireless Networks and Industrial IoT - Applications, Challenges and Enablers</i> , Gidlund Mikael, Mahmood Nurul Huda, Marchenko Nikolaj and Popovski Petar (eds),

Section A: Publications of PhD Students

	Springer, ISBN: 978-3-030-51472-3,978-3-030-51473-0, Switzerland, 12 December 2020, pp 193-206.
<b>LIN Jiecong</b>	# <u>LIN Jiecong</u> , "Deep Neural Networks for Epistatic Sequence Analysis", <i>Epistasis - Methods and Protocols</i> , Wong Ka-Chun (ed), Humana Press, ISBN: 9781071609460,9781071609477,9781071609491, New York, NY, 18 March 2021, pp 277-289.
<b>LIU Linjing</b>	# <u>LIU Linjing</u> , <u>WONG Ka Chun</u> , "Epistasis Analysis - Classification Through Machine Learning Methods", <i>Epistasis - Methods and Protocols</i> , Wong Ka-Chun (ed), Humana Press, ISBN: 9781071609460,9781071609477,9781071609491, New York, NY, 18 March 2021, pp 337-345.
<b>PETINRIN Olutomilayo Olayemi</b>	# <u>PETINRIN Olutomilayo Olayemi</u> , <u>WONG Ka Chun</u> , "Protocol for Epistasis Detection with Machine Learning Using GenEpi Package", <i>Epistasis - Methods and Protocols</i> , Wong Ka-Chun (ed), Humana Press, ISBN: 9781071609460,9781071609477,9781071609491, United States, 18 March 2021, pp 291-305.
<b>RAHAMAN Saifur</b>	# <u>RAHAMAN Saifur</u> , <u>WONG Ka Chun</u> , "A Belief Degree-Associated Fuzzy Multifactor Dimensionality Reduction Framework for Epistasis Detection", <i>Epistasis - Methods and Protocols</i> , Wong Ka-Chun (ed), Humana Press, ISBN: 978-1-0716-0946-0,978-1-0716-0947-7,978-1-0716-0949-1, New York, 18 March 2021, pp 307-323.
<b>TAM Hiu Hin</b>	# <u>TAM Hiu Hin</u> , "Identifying the Significant Change of Gene Expression in Genomic Series Data for Epistasis Peaks", <i>Epistasis - Methods and Protocols</i> , Wong Ka-Chun (ed), Humana Press, ISBN: 9781071609460,9781071609477,9781071609491, United States, 18 March 2021, pp 245-264.
<b>Journal publications</b>	
<b>AZZAM Mohamed Said Mahmoud</b>	# <u>AZZAM Mohamed Said Mahmoud</u> , WU Wenhao, CAO Wenming, <u>WU Si</u> , <u>WONG Hau San</u> , "KTransGAN: Variational Inference-Based Knowledge Transfer for Unsupervised Conditional Generative Learning", <i>IEEE Transactions on Multimedia</i> , 14 September 2020, doi: <a href="https://doi.org/10.1109/TMM.2020.3023792">https://doi.org/10.1109/TMM.2020.3023792</a> .
	HUANG Shixin, ZENG Xiangping, WU Si, YU Zhiwen, # <u>AZZAM Mohamed Said Mahmoud</u> , <u>WONG Hau San</u> , "Behavior regularized prototypical networks for semi-supervised few-shot image classification", <i>Pattern Recognition</i> , 112, 05 December 2020, doi: <a href="https://doi.org/10.1016/j.patcog.2020.107765">https://doi.org/10.1016/j.patcog.2020.107765</a> .
	ZHOU Haohong, # <u>AZZAM Mohamed Said Mahmoud</u> , # <u>ZHONG Jian</u> , LIU Cheng, WU Si, <u>WONG Hau San</u> , "Knowledge Exchange between Domain-Adversarial and Private Networks Improves Open Set Image Classification", <i>IEEE Transactions on Image Processing</i> , 30, 17 June 2021, pp 5807-5818, doi: <a href="https://doi.org/10.1109/TIP.2021.3088642">https://doi.org/10.1109/TIP.2021.3088642</a> .
<b>CAI Chengjun</b>	<u>WENG Jiasi</u> , WENG Jian, # <u>CAI Chengjun</u> , HUANG Hongwei, <u>WANG Cong</u> , "Golden Grain: Building a Secure and Decentralized Model Marketplace for MLaaS", <i>IEEE Transactions on Dependable and Secure Computing</i> , 02 June 2021, doi: <a href="https://doi.org/10.1109/TDSC.2021.3085988">https://doi.org/10.1109/TDSC.2021.3085988</a> .
	YUAN Xingliang, # <u>CAI Chengjun</u> , <u>WANG Cong</u> , WANG Qian, "A scalable ledger-assisted architecture for secure query processing over distributed IoT data", <i>CCF Transactions on Networking</i> , 3(2), 18 August 2020, pp 97-111, doi: <a href="https://doi.org/10.1007/s42045-020-00038-7">https://doi.org/10.1007/s42045-020-00038-7</a> .
<b>CAI Huimin</b>	ALTENBURGER Andreas, # <u>CAI Huimin</u> , LI Qiye, DRUMM Kirstine, KIM Miran, ZHU Yuanzhen, GARCIA-CUETOS Lydia, ZHAN Xiaoyu, HANSEN Per Juel, JOHN Uwe, <u>LI Shuaicheng</u> , LUNDHOLM Nina, "Limits to the cellular control of sequestered cryptophyte prey in the marine ciliate <i>Mesodinium rubrum</i> ", <i>The ISME Journal</i> , 15(4), 23 November 2020, pp 1056-1072, doi: <a href="https://doi.org/10.1038/s41396-020-00830-9">https://doi.org/10.1038/s41396-020-00830-9</a> .
<b>CAO Jingchao</b>	# <u>WEI Xuekai</u> , ZHOU Mingliang, <u>KWONG Tak Wu Sam</u> , YUAN Hui, <u>WANG Shiqi</u> , ZHU Guopu, # <u>CAO Jingchao</u> , "Reinforcement learning-based QoE-oriented dynamic adaptive streaming framework", <i>Information Sciences</i> , 569, 13 May 2021, pp 786-803, doi: <a href="https://doi.org/10.1016/j.ins.2021.05.012">https://doi.org/10.1016/j.ins.2021.05.012</a> .
	GENG Yanbing, LIAN Yongjian, YANG Shunmin, ZHOU Mingliang, # <u>CAO Jingchao</u> , "Reliable part guided multiple level attention learning for person re-identification", <i>Journal of Circuits, Systems and Computers</i> , 25 May 2021, doi: <a href="https://doi.org/10.1142/S0218126621502467">https://doi.org/10.1142/S0218126621502467</a> .

Section A: Publications of PhD Students

<b>CHEN Baoliang</b>	#CHEN Baoliang, YANG Wenhan, WANG Shiqi, "Generalized Face Antispoofing by Learning to Fuse Features From High- and Low-Frequency Domains", <i>IEEE Multimedia</i> , 28(1), 22 January 2021, pp 56-64, doi: <a href="https://doi.org/10.1109/MMUL.2021.3053698">https://doi.org/10.1109/MMUL.2021.3053698</a> .
	#CHEN Baoliang, LI Haoliang, FAN Hongfei, WANG Shiqi, "No-Reference Screen Content Image Quality Assessment With Unsupervised Domain Adaptation", <i>IEEE Transactions on Image Processing</i> , 30, 04 June 2021, pp 5463-5476, doi: <a href="https://doi.org/10.1109/TIP.2021.3084750">https://doi.org/10.1109/TIP.2021.3084750</a> .
	#CHEN Baoliang, YANG Wenhan, LI Haoliang, WANG Shiqi, KWONG Tak Wu Sam, "Camera Invariant Feature Learning for Generalized Face Anti-spoofing", <i>IEEE Transactions on Information Forensics and Security</i> , 16, 27 January 2021, pp 2477-2492, doi: <a href="https://doi.org/10.1109/TIFS.2021.3055018">https://doi.org/10.1109/TIFS.2021.3055018</a> .
	#KONG Chenqi, #CHEN Baoliang, YANG Wenhan, LI Haoliang, #CHEN Peilin, WANG Shiqi, "Appearance Matters, So Does Audio: Revealing the Hidden Face via Cross-Modality Transfer", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 05 February 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3057457">https://doi.org/10.1109/TCSVT.2021.3057457</a> .
<b>CHEN Lingxi</b>	GAO Yue, CAI Guang-Yao, FANG Wei, LI Hua-Yi, WANG Si-Yuan, #CHEN Lingxi, YU Yang, LIU Dan, XU Sen, CUI Peng-Fei, ZENG Shao-Qing, FENG Xin-Xia, YU Rui-Di, WANG Ya, YUAN Yuan, JIAO Xiao-Fei, CHI Jian-Hua, LIU Jia Hao, LI Ru-Yuan, ZHENG Xu, SONG Chun-Yan, JIN Ning, GONG Wen-Jian, LIU Xing-Yu, HUANG Lei, TIAN Xun, LI Lin, XING Hui, MA Ding, LI Chun-Rui, YE Fei, GAO Qing-Lei, "Machine learning based early warning system enables accurate mortality risk prediction for COVID-19", <i>Nature Communications</i> , 11, 06 October 2020, doi: <a href="https://doi.org/10.1038/s41467-020-18684-2">https://doi.org/10.1038/s41467-020-18684-2</a> .
	WU Yuan, GAO Yue, #CHEN Lingxi, JIN Xin, CHEN Pingbo, MO Qingqing, "Prognostic implications of tumour-infiltrating lymphocytes for recurrence in epithelial ovarian cancer", <i>Clinical and Experimental Immunology</i> , 30 June 2021, doi: <a href="https://doi.org/10.1111/cei.13639">https://doi.org/10.1111/cei.13639</a> .
	#FENG Xikang, #CHEN Lingxi, WANG Zishuai, LI Shuaicheng, "I-Impute: a self-consistent method to impute single cell RNA sequencing data", <i>BMC Genomics</i> , 21(Suppl. 10), 18 November 2020, doi: <a href="https://doi.org/10.1186/s12864-020-07007-w">https://doi.org/10.1186/s12864-020-07007-w</a> .
	GAO Yue, #CHEN Lingxi, CHI JianHua, ZENG Shaoqing, FENG Xikang, LI Huayi, LIU Dan, FENG XinXia, WANG Siyuan, WANG Ya, YU RuiDi, YUAN Yuan, XU Sen, LI Chunrui, ZHANG Wei, LI Shuaicheng, GAO Qinglei, "Development and validation of an online model to predict critical COVID-19 with immune-inflammatory parameters", <i>Journal of Intensive Care</i> , 9, 18 February 2021, doi: <a href="https://doi.org/10.1186/s40560-021-00531-1">https://doi.org/10.1186/s40560-021-00531-1</a> .
<b>CHEN Peilin</b>	#KONG Chenqi, #CHEN Baoliang, YANG Wenhan, LI Haoliang, #CHEN Peilin, WANG Shiqi, "Appearance Matters, So Does Audio: Revealing the Hidden Face via Cross-Modality Transfer", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 05 February 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3057457">https://doi.org/10.1109/TCSVT.2021.3057457</a> .
<b>CHEN Xingjian</b>	#ZHANG Weitong, #CHEN Xingjian, WONG Ka Chun, "Noninvasive early diagnosis of intestinal diseases based on artificial intelligence in genomics and microbiome", <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 36(4), 20 April 2021, pp 823-831, doi: <a href="https://doi.org/10.1111/jgh.15500">https://doi.org/10.1111/jgh.15500</a> .
	#CHEN Xingjian, #LIU Linjing, #ZHANG Weitong, YANG Jianyi, WONG Ka Chun, "Human Host Status Inference from Temporal Microbiome Changes via Recurrent Neural Networks", <i>Briefings in Bioinformatics</i> , 21 June 2021, doi: <a href="https://doi.org/10.1093/bib/bbab223">https://doi.org/10.1093/bib/bbab223</a> .
	#LIU Linjing, #CHEN Xingjian, WONG Ka Chun, "Early cancer detection from genome-wide cell-free DNA fragmentation via shuffled frog leaping algorithm and support vector machine", <i>Bioinformatics</i> , 09 April 2021, doi: <a href="https://doi.org/10.1093/bioinformatics/btab236">https://doi.org/10.1093/bioinformatics/btab236</a> .
	#LIU Linjing, #CHEN Xingjian, #PETINRIN Olutomilayo Olayemi, #ZHANG Weitong, #RAHAMAN Saifur, #TANG Zhiri, WONG Ka Chun, "Machine Learning Protocols in Early Cancer Detection Based on Liquid Biopsy: A Survey", <i>Life</i> , 11(7), 30 June 2021, doi: <a href="https://doi.org/10.3390/life11070638">https://doi.org/10.3390/life11070638</a> .
<b>CHEN Yongliang</b>	ZHONG Jinghui, YANG Jiaquan, #CHEN Yongliang, LIU Wei-Li, FENG Liang, "Mining Implicit Equations from Data using Gene Expression Programming", <i>IEEE Transactions on Emerging Topics in Computing</i> , 26 March 2021, doi: <a href="https://doi.org/10.1109/TETC.2021.3068651">https://doi.org/10.1109/TETC.2021.3068651</a> .

Section A: Publications of PhD Students

<b>CUI Yufei</b>	# <a href="#">WU Chao</a> , # <a href="#">CUI Yufei</a> , <a href="#">JI Cheng</a> , <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Pruning Deep Reinforcement Learning for Dual User Experience and Storage Lifetime Improvement on Mobile Devices", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 39(11), 02 October 2020, pp 3993-4005, doi: <a href="https://doi.org/10.1109/TCAD.2020.3012804">https://doi.org/10.1109/TCAD.2020.3012804</a> .
	# <a href="#">CUI Yufei</a> , # <a href="#">LI Qiao</a> , <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Online Rare Category Identification and Data Diversification for Edge Computing", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 25 May 2021, doi: <a href="https://doi.org/10.1109/TCAD.2021.3083681">https://doi.org/10.1109/TCAD.2021.3083681</a> .
	# <a href="#">CUI Yufei</a> , # <a href="#">YAO Wuguannan</a> , # <a href="#">LI Qiao</a> , <a href="#">CHAN Antoni Bert</a> , <a href="#">XUE Chun Jason</a> , "Accelerating Monte Carlo Bayesian Prediction via Approximating Predictive Uncertainty Over the Simplex", <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 23 December 2020, doi: <a href="https://doi.org/10.1109/TNNLS.2020.3042525">https://doi.org/10.1109/TNNLS.2020.3042525</a> .
<b>DING Keyan</b>	# <a href="#">DING Keyan</a> , <a href="#">MA Kede</a> , <a href="#">WANG Shiqi</a> , <a href="#">SIMONCELLI Eero P.</a> , "Comparison of Full-Reference Image Quality Models for Optimization of Image Processing Systems", <i>International Journal of Computer Vision</i> , 129(4), 21 January 2021, pp 1258–1281, doi: <a href="https://doi.org/10.1007/s11263-020-01419-7">https://doi.org/10.1007/s11263-020-01419-7</a> .
	# <a href="#">DING Keyan</a> , <a href="#">MA Kede</a> , <a href="#">WANG Shiqi</a> , <a href="#">SIMONCELLI Eero P.</a> , "Image Quality Assessment: Unifying Structure and Texture Similarity", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 18 December 2020, doi: <a href="https://doi.org/10.1109/TPAMI.2020.3045810">https://doi.org/10.1109/TPAMI.2020.3045810</a> .
<b>DU Yuefeng</b>	# <a href="#">WANG Xinyu</a> , # <a href="#">DU Yuefeng</a> , <a href="#">WANG Cong</a> , <a href="#">WANG Qian</a> , <a href="#">FANG Liming</a> , "WebEnclave: Protect Web Secrets from browser extensions with Software Enclave", <i>IEEE Transactions on Dependable and Secure Computing</i> , 19 May 2021, doi: <a href="https://doi.org/10.1109/TDSC.2021.3081867">https://doi.org/10.1109/TDSC.2021.3081867</a> .
	# <a href="#">DU Yuefeng</a> , # <a href="#">DUAN Huayi</a> , # <a href="#">ZHOU Anxin</a> , <a href="#">WANG Cong</a> , <a href="#">AU Man Ho Allen</a> , <a href="#">WANG Qian</a> , "Enabling Secure and Efficient Decentralized Storage Auditing with Blockchain", <i>IEEE Transactions on Dependable and Secure Computing</i> , 19 May 2021, doi: <a href="https://doi.org/10.1109/TDSC.2021.3081826">https://doi.org/10.1109/TDSC.2021.3081826</a> .
<b>DUAN Huayi</b>	<a href="#">ZHENG Yifeng</a> , # <a href="#">DUAN Huayi</a> , <a href="#">WANG Cong</a> , <a href="#">WANG Ruochen</a> , <a href="#">NEPAL Surya</a> , "Securely and Efficiently Outsourcing Decision Tree Inference", <i>IEEE Transactions on Dependable and Secure Computing</i> , 24 November 2020, doi: <a href="https://doi.org/10.1109/TDSC.2020.3040012">https://doi.org/10.1109/TDSC.2020.3040012</a> .
	# <a href="#">DU Yuefeng</a> , # <a href="#">DUAN Huayi</a> , # <a href="#">ZHOU Anxin</a> , <a href="#">WANG Cong</a> , <a href="#">AU Man Ho Allen</a> , <a href="#">WANG Qian</a> , "Enabling Secure and Efficient Decentralized Storage Auditing with Blockchain", <i>IEEE Transactions on Dependable and Secure Computing</i> , 19 May 2021, doi: <a href="https://doi.org/10.1109/TDSC.2021.3081826">https://doi.org/10.1109/TDSC.2021.3081826</a> .
<b>FENG Shuo</b>	# <a href="#">FENG Shuo</a> , <a href="#">KEUNG Wai Jacky</a> , <a href="#">YU Xiao</a> , <a href="#">XIAO Yan</a> , <a href="#">BENNIN Kwabena Ebo</a> , # <a href="#">KABIR Md Alamgir</a> , # <a href="#">ZHANG Miao</a> , "COSTE: Complexity-based OverSampling TEchnique to alleviate the class imbalance problem in software defect prediction", <i>Information and Software Technology</i> , 129, 25 September 2020, doi: <a href="https://doi.org/10.1016/j.infsof.2020.106432">https://doi.org/10.1016/j.infsof.2020.106432</a> .
	# <a href="#">FENG Shuo</a> , <a href="#">KEUNG Wai Jacky</a> , <a href="#">YU Xiao</a> , <a href="#">XIAO Yan</a> , # <a href="#">ZHANG Miao</a> , "Investigation on the stability of SMOTE-based oversampling techniques in software defect prediction", <i>Information and Software Technology</i> , 139, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.infsof.2021.106662">https://doi.org/10.1016/j.infsof.2021.106662</a> .
<b>FENG Xikang</b>	# <a href="#">FENG Xikang</a> , # <a href="#">CHEN Lingxi</a> , <a href="#">WANG Zishuai</a> , <a href="#">LI Shuaicheng</a> , "I-Impute: a self-consistent method to impute single cell RNA sequencing data", <i>BMC Genomics</i> , 21(Suppl. 10), 18 November 2020, doi: <a href="https://doi.org/10.1186/s12864-020-07007-w">https://doi.org/10.1186/s12864-020-07007-w</a> .
<b>GUO Mantang</b>	# <a href="#">GUO Mantang</a> , <a href="#">HOU Junhui</a> , # <a href="#">JIN Jing</a> , <a href="#">CHEN Jie</a> , <a href="#">CHAU Lap-pui</a> , "Deep Spatial-angular Regularization for Light Field Imaging, Denoising, and Super-resolution", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 08 June 2021, doi: <a href="https://doi.org/10.1109/TPAMI.2021.3087485">https://doi.org/10.1109/TPAMI.2021.3087485</a> .
<b>HE Zhixiang</b>	# <a href="#">HE Zhixiang</a> , <a href="#">CHOW Chi Yin</a> , <a href="#">ZHANG Jiadong</a> , "STNN: A Spatio-Temporal Neural Network for Traffic Predictions", <i>IEEE Transactions on Intelligent Transportation Systems</i> , 16 July 2020, doi: <a href="https://doi.org/10.1109/TITS.2020.3006227">https://doi.org/10.1109/TITS.2020.3006227</a> .

Section A: Publications of PhD Students

<b>HUANG Jialu</b>	#HUANG Jialu, LIAO Jing, KWONG Tak Wu Sam, "Semantic Example Guided Image-to-Image Translation", <i>IEEE Transactions on Multimedia</i> , 23, 2021, pp 1654-1665, doi: <a href="https://doi.org/10.1109/TMM.2020.3001536">https://doi.org/10.1109/TMM.2020.3001536</a> .
	#HUANG Jialu, LIAO Jing, KWONG Tak Wu Sam, "Unsupervised Image-to-Image Translation via Pre-trained StyleGAN2 Network", <i>IEEE Transactions on Multimedia</i> , 17 March 2021, doi: <a href="https://doi.org/10.1109/TMM.2021.3065230">https://doi.org/10.1109/TMM.2021.3065230</a> .
<b>HUANG Zhian</b>	#HUANG Zhian, ZHANG Jia, ZHU Zexuan, WU Edmond Q, TAN Kay Chen, "Identification of Autistic Risk Candidate Genes and Toxic Chemicals via Multilabel Learning", <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 32(9), 25 August 2020, pp 3971-3984, doi: <a href="https://doi.org/10.1109/TNNLS.2020.3016357">https://doi.org/10.1109/TNNLS.2020.3016357</a> .
	HUANG Yu-An, CHAN Keith C. C., YOU Zhu-Hong, HU Pengwei, WANG Lei, #HUANG Zhian, "Predicting microRNA–disease associations from lncRNA–microRNA interactions via Multiview Multitask Learning", <i>Briefings in Bioinformatics</i> , 22(3), 07 July 2020, doi: <a href="https://doi.org/10.1093/bib/bbaa133">https://doi.org/10.1093/bib/bbaa133</a> .
	#HUANG Zhian, ZHU Zexuan, YAU Chuen Heung, TAN Kay Chen, "Identifying Autism Spectrum Disorder From Resting-State fMRI Using Deep Belief Network", <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 32(7), 21 July 2020, pp 2847-2861, doi: <a href="https://doi.org/10.1109/TNNLS.2020.3007943">https://doi.org/10.1109/TNNLS.2020.3007943</a> .
<b>HUI Yan Keung</b>	#LU Angel, #HUI John, MAI Bo, KWOK Lam For, "Learning engagement through content creation: a case study", <i>International Journal of Innovation and Learning</i> , 29(3), 03 March 2021, pp 287-302, doi: <a href="https://doi.org/10.1504/IJIL.2021.114512">https://doi.org/10.1504/IJIL.2021.114512</a> .
	#HUI Yan Keung, KWOK Lam For, IP Ho Shing Horace, "Employability: Smart learning in extracurricular activities for developing college graduates' competencies", <i>Australasian Journal of Educational Technology</i> , 37(2), 10 May 2021, pp 171-188, doi: <a href="https://doi.org/10.14742/ajet.6734">https://doi.org/10.14742/ajet.6734</a> .
<b>JIANG Yiqi</b>	#WANG Shuai, #JIANG Yiqi, LI Shuaicheng, "PStrain: an iterative microbial strains profiling algorithm for shotgun metagenomic sequencing data", <i>Bioinformatics</i> , 36(22-23), 21 December 2020, pp 5499–5506, doi: <a href="https://doi.org/10.1093/bioinformatics/btaa1056">https://doi.org/10.1093/bioinformatics/btaa1056</a> .
<b>JIAO Qianfen</b>	#JIAO Qianfen, #LI Rui, CAO Wenming, #ZHONG Jian, WU Si, WONG Hau San, "DDAT: Dual domain adaptive translation for low-resolution face verification in the wild", <i>Pattern Recognition</i> , 120, 12 June 2021, doi: <a href="https://doi.org/10.1016/j.patcog.2021.108107">https://doi.org/10.1016/j.patcog.2021.108107</a> .
<b>JIN Jing</b>	#JIN Jing, HOU Junhui, CHEN Jie, ZENG Huanqiang, KWONG Tak Wu Sam, YU Jingyi, "Deep Coarse-to-fine Dense Light Field Reconstruction with Flexible Sampling and Geometry-aware Fusion", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 23 September 2020, doi: <a href="https://doi.org/10.1109/TPAMI.2020.3026039">https://doi.org/10.1109/TPAMI.2020.3026039</a> .
	#GUO Mantang, HOU Junhui, #JIN Jing, CHEN Jie, CHAU Lap-pui, "Deep Spatial-angular Regularization for Light Field Imaging, Denoising, and Super-resolution", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 08 June 2021, doi: <a href="https://doi.org/10.1109/TPAMI.2021.3087485">https://doi.org/10.1109/TPAMI.2021.3087485</a> .
<b>KABIR Md Alamgir</b>	#FENG Shuo, KEUNG Wai Jacky, YU Xiao, XIAO Yan, BENNIN Kwabena Ebo, #KABIR Md Alamgir, #ZHANG Miao, "COSTE: Complexity-based OverSampling TEchnique to alleviate the class imbalance problem in software defect prediction", <i>Information and Software Technology</i> , 129, 25 September 2020, doi: <a href="https://doi.org/10.1016/j.infsof.2020.106432">https://doi.org/10.1016/j.infsof.2020.106432</a> .
	#ZHANG Miao, KEUNG Wai Jacky, XIAO Yan, #KABIR Md Alamgir, "Evaluating the effects of similar-class combination on class integration test order generation", <i>Information and Software Technology</i> , 129, 25 September 2020, doi: <a href="https://doi.org/10.1016/j.infsof.2020.106438">https://doi.org/10.1016/j.infsof.2020.106438</a> .
<b>KONG Chenqi</b>	#KONG Chenqi, #CHEN Baoliang, YANG Wenhan, LI Haoliang, #CHEN Peilin, WANG Shiqi, "Appearance Matters, So Does Audio: Revealing the Hidden Face via Cross-Modality Transfer", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 05 February 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3057457">https://doi.org/10.1109/TCSVT.2021.3057457</a> .
<b>LAN Hui</b>	LOO Becky P.Y., ZHANG Feiyang, HSIAO Janet H, CHAN Antoni Bert, #LAN Hui, "Applying the Hidden Markov Model to Analyze Urban Mobility Patterns: An Interdisciplinary Approach", <i>Chinese Geographical Science</i> , 31(1), 13 January 2021, pp 1-13, doi: <a href="https://doi.org/10.1007/s11769-021-1173-0">https://doi.org/10.1007/s11769-021-1173-0</a> .

Section A: Publications of PhD Students

	HSIAO Janet H, #LAN Hui, ZHENG Yueyuan, <u>CHAN Antoni Bert</u> , "Eye movement analysis with hidden Markov models (EMHMM) with co-clustering", <i>Behavior Research Methods</i> , 30 April 2021, doi: <a href="https://doi.org/10.3758/s13428-021-01541-5">https://doi.org/10.3758/s13428-021-01541-5</a> .
<b>LEDWABA Lehlogonolo Polaki Iviwe</b>	GEBREMICHAEL Teklay, #LEDWABA Lehlogonolo Polaki Iviwe, ELDEFRAWY M. H., <u>HANCKE Gerhard Petrus</u> , PEREIRA Nuno, GIDLUND Mikael, AKERBERG J., "Security and Privacy in the Industrial Internet of Things: Current Standards and Future Challenges", <i>IEEE Access</i> , 8, 17 August 2020, pp 152351-152366, doi: <a href="https://doi.org/10.1109/ACCESS.2020.3016937">https://doi.org/10.1109/ACCESS.2020.3016937</a> .
	#LEDWABA Lehlogonolo Polaki Iviwe, <u>HANCKE Gerhard Petrus</u> , ISAAC Sherrin J., VENTER Hein S., "Smart Microgrid Energy Market: Evaluating Distributed Ledger Technologies for Remote and Constrained Microgrid Deployments", <i>Electronics (Switzerland)</i> , 10(6), 18 March 2021, doi: <a href="https://doi.org/10.3390/electronics10060714">https://doi.org/10.3390/electronics10060714</a> .
<b>LI Chen</b>	#LI Chen, <u>CHEN Jiaying</u> , <u>LI Shuaicheng</u> , "Understanding Horizontal Gene Transfer network in human gut microbiota", <i>Gut Pathogens</i> , 12, 09 July 2020, doi: <a href="https://doi.org/10.1186/s13099-020-00370-9">https://doi.org/10.1186/s13099-020-00370-9</a> .
<b>LI Genghui</b>	#LI Genghui, <u>ZHANG Qingfu</u> , "Multiple Penalties and Multiple Local Surrogates for Expensive Constrained Optimization", <i>IEEE Transactions on Evolutionary Computation</i> , 17 March 2021, doi: <a href="https://doi.org/10.1109/TEVC.2021.3066606">https://doi.org/10.1109/TEVC.2021.3066606</a> .
	#LI Genghui, <u>ZHANG Qingfu</u> , LIN Qiuzhen, GAO Weifeng, "A Three-Level Radial Basis Function Method for Expensive Optimization", <i>IEEE Transactions on Cybernetics</i> , 22 March 2021, doi: <a href="https://doi.org/10.1109/TCYB.2021.3061420">https://doi.org/10.1109/TCYB.2021.3061420</a> .
<b>LI Hua</b>	#LI Hua, JIA Yuheng, CONG Runmin, WU Wenhui, <u>KWONG Tak Wu Sam</u> , CHEN Chuanbo, "Superpixel Segmentation Based on Spatially Constrained Subspace Clustering", <i>IEEE Transactions on Industrial Informatics</i> , 11 December 2020, doi: <a href="https://doi.org/10.1109/TII.2020.3044068">https://doi.org/10.1109/TII.2020.3044068</a> .
	LI Chongyi, CONG Runmin, GUO Chunle, #LI Hua, ZHANG Chunjie, ZHENG Feng, ZHAO Yao, "A parallel down-up fusion network for salient object detection in optical remote sensing images", <i>Neurocomputing</i> , 415, 14 September 2020, pp 411-420, doi: <a href="https://doi.org/10.1016/j.neucom.2020.05.108">https://doi.org/10.1016/j.neucom.2020.05.108</a> .
	#LI Hua, CONG Runmin, <u>KWONG Tak Wu Sam</u> , CHEN Chuanbo, XU Qianqian, LI Chongyi, "Stereo superpixel: An iterative framework based on parallax consistency and collaborative optimization", <i>Information Sciences</i> , 556, 18 January 2021, pp 209-222, doi: <a href="https://doi.org/10.1016/j.ins.2020.12.031">https://doi.org/10.1016/j.ins.2020.12.031</a> .
<b>LI Jiankang</b>	WU Jingchuan, LI Hui, HE Junchi, TIAN Xiaocui, LUO Shuilian, #LI Jiankang, LI Wei, ZHONG Jianjun, ZHANG Hongrong, HUANG Zhijian, SUN Xiaochuan, JIANG Tao, "Downregulation of microRNA-9-5p promotes synaptic remodeling in the chronic phase after traumatic brain injury", <i>Cell Death and Disease</i> , 12, 05 January 2021, doi: <a href="https://doi.org/10.1038/s41419-020-03329-5">https://doi.org/10.1038/s41419-020-03329-5</a> .
	LI Wei, QU Ning, #LI Jiankang, LI Yu-Xin, HAN Dong-Ming, CHEN Yi-Xi, TIAN Le, #SHAO Kang, #YANG Wen, WANG Zhuo-shi, CHEN Xuan, JIN Xiao-Ying, WANG Zi-wei, LIANG Chen, QIAN Wei-Ping, <u>WANG Lusheng</u> , HE Wei, "Evaluation of the Genetic Variation Spectrum Related to Corneal Dystrophy in a Large Cohort", <i>Frontiers in Cell and Developmental Biology</i> , 9, 18 March 2021, doi: <a href="https://doi.org/10.3389/fcell.2021.632946">https://doi.org/10.3389/fcell.2021.632946</a> .
	WANG Ying, WU Jingchuan, LI Wei, #LI Jiankang, LIU Raynald, YANG Bao, LI Chunde, JIANG Tao, "Retrospective investigation of hereditary syndromes in patients with medulloblastoma in a single institution", <i>Child's Nervous System</i> , 37(2), 15 September 2020, pp 411-417, doi: <a href="https://doi.org/10.1007/s00381-020-04885-z">https://doi.org/10.1007/s00381-020-04885-z</a> .
	#LI Jiankang, LI Wei, GAO Feng-Juan, QU Shou-Fang, HU Fang-Yuan, ZHANG Sheng-Hai, LI Li-Li, WANG Zi-wei, QIU Yong, <u>WANG Lusheng</u> , HUANG Jie, WU Ji-Hong, CHEN Fang, "Mutation Screening of mtDNA Combined Targeted Exon Sequencing in a Cohort With Suspected Hereditary Optic Neuropathy", <i>Translational Vision Science and Technology</i> , 9(8), 08 July 2020, doi: <a href="https://doi.org/10.1167/tvst.9.8.11">https://doi.org/10.1167/tvst.9.8.11</a> .
	GAO Feng-Juan, DONG Jian-Hong, WANG Dan-Dan, CHEN Fang, HU Fang-Yuan, CHANG Qing, XU Ping, LIU Wei, #LI Jiankang, HUANG Ying, WU Ji-Hong, XU Ge-zhi, "Comprehensive analysis of genetic and clinical characteristics of 30 patients with X-linked juvenile retinoschisis in China", <i>Acta Ophthalmologica</i> , 99(4), 30 October 2020, pp e470-e479, doi: <a href="https://doi.org/10.1111/aos.14642">https://doi.org/10.1111/aos.14642</a> .



Section A: Publications of PhD Students

	GAO Feng-Juan, WANG Dan-Dan, # <a href="#">LI Jiankang</a> , HU Fang-Yuan, XU Ping, CHEN Fang, QI Yu-He, LIU Wei, LI Wei, ZHANG Sheng-Hai , CHANG Qing, XU Ge-zhi, WU Ji-Hong, "Frequency and phenotypic characteristics of <i>RPE65</i> mutations in the Chinese population", <i>Orphanet Journal of Rare Diseases</i> , 16, 13 April 2021, doi: <a href="https://doi.org/10.1186/s13023-021-01807-3">https://doi.org/10.1186/s13023-021-01807-3</a> .
	HU Fang-Yuan, GAO Feng-Juan, # <a href="#">LI Jiankang</a> , XU Ping, WANG Dan-Dan, ZHANG Sheng-Hai , WU Ji-Hong, "Novel variants of <i>ABCA4</i> in Han Chinese families with Stargardt disease", <i>BMC Medical Genetics</i> , 21, 31 October 2020, doi: <a href="https://doi.org/10.1186/s12881-020-01152-5">https://doi.org/10.1186/s12881-020-01152-5</a> .
<b>LI Ning</b>	# <a href="#">LI Ning</a> , <a href="#">CHOW Chi Yin</a> , <a href="#">ZHANG Jiadong</a> , "SEML: A Semi-Supervised Multi-Task Learning Framework for Aspect-Based Sentiment Analysis", <i>IEEE Access</i> , 8, 16 October 2020, pp 189287-189297, doi: <a href="https://doi.org/10.1109/ACCESS.2020.3031665">https://doi.org/10.1109/ACCESS.2020.3031665</a> .
<b>LI Qiao</b>	# <a href="#">WU Chao</a> , # <a href="#">LI Qiao</a> , JI Cheng, <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Boosting User Experience via Foreground-Aware Cache Management in UFS Mobile Devices", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 39(11), 02 October 2020, pp 3263-3275, doi: <a href="https://doi.org/10.1109/TCAD.2020.3013078">https://doi.org/10.1109/TCAD.2020.3013078</a> .
	# <a href="#">CUI Yufei</a> , # <a href="#">LI Qiao</a> , <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Online Rare Category Identification and Data Diversification for Edge Computing", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 25 May 2021, doi: <a href="https://doi.org/10.1109/TCAD.2021.3083681">https://doi.org/10.1109/TCAD.2021.3083681</a> .
	# <a href="#">CUI Yufei</a> , # <a href="#">YAO Wuguannan</a> , # <a href="#">LI Qiao</a> , <a href="#">CHAN Antoni Bert</a> , <a href="#">XUE Chun Jason</a> , "Accelerating Monte Carlo Bayesian Prediction via Approximating Predictive Uncertainty Over the Simplex", <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 23 December 2020, doi: <a href="https://doi.org/10.1109/TNNLS.2020.3042525">https://doi.org/10.1109/TNNLS.2020.3042525</a> .
	# <a href="#">LIANG Yu</a> , JI Cheng, FU Chenchen, AUSAVARUNGNIRUN Rachata, # <a href="#">LI Qiao</a> , <a href="#">PAN Riwei</a> , CHEN Siyu, SHI Liang, <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "iTRIM: I/O-Aware TRIM for Improving User Experience on Mobile Devices", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 29 September 2020, doi: <a href="https://doi.org/10.1109/TCAD.2020.3027656">https://doi.org/10.1109/TCAD.2020.3027656</a> .
	GAO Congming, SHI Liang, # <a href="#">LI Qiao</a> , LIU Kai, <a href="#">XUE Chun Jason</a> , YANG Jun, ZHANG Youtao, "Aging Capacitor Supported Cache Management Scheme for Solid-State Drives", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 39(10), October 2020, pp 2230-2239, doi: <a href="https://doi.org/10.1109/TCAD.2019.2949541">https://doi.org/10.1109/TCAD.2019.2949541</a> .
<b>LI Rui</b>	# <a href="#">JIAO Qianfen</a> , # <a href="#">LI Rui</a> , <a href="#">CAO Wenming</a> , # <a href="#">ZHONG Jian</a> , WU Si, <a href="#">WONG Hau San</a> , "DDAT: Dual domain adaptive translation for low-resolution face verification in the wild", <i>Pattern Recognition</i> , 120, 12 June 2021, doi: <a href="https://doi.org/10.1016/j.patcog.2021.108107">https://doi.org/10.1016/j.patcog.2021.108107</a> .
	# <a href="#">LI Rui</a> , <a href="#">CAO Wenming</a> , <a href="#">WU Si</a> , <a href="#">WONG Hau San</a> , "Generating Target Image-Label Pairs for Unsupervised Domain Adaptation", <i>IEEE Transactions on Image Processing</i> , 29, 22 July 2020, pp 7997-8011, doi: <a href="https://doi.org/10.1109/TIP.2020.3009853">https://doi.org/10.1109/TIP.2020.3009853</a> .
<b>LI Tan</b>	# <a href="#">LI Tan</a> , XIAO Yuanzhang, <a href="#">SONG Linqi</a> , "Integrating Future Smart Home Operation Platform With Demand Side Management via Deep Reinforcement Learning", <i>IEEE Transactions on Green Communications and Networking</i> , 5(2), 19 April 2021, pp 921-933, doi: <a href="https://doi.org/10.1109/TGCN.2021.3073979">https://doi.org/10.1109/TGCN.2021.3073979</a> .
	# <a href="#">LIU Shuqi</a> , # <a href="#">SHAO Wei</a> , # <a href="#">LI Tan</a> , XU Weitao , <a href="#">SONG Linqi</a> , "Recent advances in biometrics-based user authentication for wearable devices: A contemporary survey", <i>Digital Signal Processing</i> , 07 June 2021, doi: <a href="https://doi.org/10.1016/j.dsp.2021.103120">https://doi.org/10.1016/j.dsp.2021.103120</a> .
<b>LI Xinqi</b>	# <a href="#">LI Xinqi</a> , <a href="#">WANG Jun</a> , <a href="#">KWONG Tak Wu Sam</a> , "Hash Bit Selection via Collaborative Neurodynamic Optimization With Discrete Hopfield Networks", <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 09 April 2021, doi: <a href="https://doi.org/10.1109/TNNLS.2021.3068500">https://doi.org/10.1109/TNNLS.2021.3068500</a> .
<b>LI Yinhu</b>	LI Zhengtu, # <a href="#">LI Yinhu</a> , SUN Ruilin, LI Shaoqiang, CHEN Lingdan, ZHAN Yangqing, XIE Mingzhou, YANG Jiasheng, WANG Yanqun, ZHU Airu, GU Guoping, YU Le, <a href="#">LI Shuaicheng</a> , LIU Tingting, CHEN Zhaoming, JIAN Wenhua, JIANG Qian, SU Xiaofen, GU Weili, CHEN Liyan, CHENG Jing, ZHAO Jincun, LU Wenju, ZHENG Jinping, LI Shiyue, ZHONG Nanshan, YE Feng, "Longitudinal virological changes and underlying pathogenesis in hospitalized COVID-19 patients in Guangzhou, China", <i>Science China Life Sciences</i> , 28 April 2021, doi: <a href="https://doi.org/10.1007/s11427-020-1921-5">https://doi.org/10.1007/s11427-020-1921-5</a> .

Section A: Publications of PhD Students

	<p>LIU Ying, WANG Shan, <u>DAI Wenkui</u>, LIANG Yuan, SHEN Chunping, LI Yunzhu, JIAO Lei, BIAN Yawei, GAO Zhan, <u>#LI Yinhu</u>, LI Dongfang, <u>LI Shuaicheng</u>, BLASER Martin J., TANG Yi-Wei, MA Lin, "Distinct Skin Microbiota Imbalance and Responses to Clinical Treatment in Children With Atopic Dermatitis", <i>Frontiers in cellular and infection microbiology</i>, 10, 03 July 2020, doi: <a href="https://doi.org/10.3389/fcimb.2020.00336">https://doi.org/10.3389/fcimb.2020.00336</a>.</p> <p>LIU Ying, <u>#ZHOU Qian</u>, DAI Wenkui, WANG Shan, LIANG Yuan, <u>#LI Yinhu</u>, SHEN Chunping, LI Dongfang, LI Yunzhu, JIAO Lei, BIAN Yawei, <u>LI Shuaicheng</u>, TANG Yi-Wei, MA Lin, "Is antibiotics prescription needed in infants with topical corticosteroids treatment for moderate-to-severe atopic dermatitis?", <i>Dermatologic Therapy</i>, 33(6), 22 August 2020, doi: <a href="https://doi.org/10.1111/dth.14215">https://doi.org/10.1111/dth.14215</a>.</p>
<b>LI Zongxi</b>	<p>CHEN Xieling, XIE Haoran, CHENG Gary, <u>#LI Zongxi</u>, "A Decade of Sentic Computing: Topic Modeling and Bibliometric Analysis", <i>Cognitive Computation</i>, 05 May 2021, doi: <a href="https://doi.org/10.1007/s12559-021-09861-6">https://doi.org/10.1007/s12559-021-09861-6</a>.</p> <p><u>#LI Zongxi</u>, XIE Haoran, CHENG Gary, LI Qing, "Word-level emotion distribution with two schemas for short text emotion classification", <i>Knowledge-Based Systems</i>, 227, 19 May 2021, doi: <a href="https://doi.org/10.1016/j.knosys.2021.107163">https://doi.org/10.1016/j.knosys.2021.107163</a>.</p> <p><u>#LI Zongxi</u>, XIE Haoran, XU Guandong, LI Qing, LENG Mingming, ZHOU Chi, "Towards purchase prediction: A transaction-based setting and a graph-based method leveraging price information", <i>Pattern Recognition</i>, 113, 22 January 2021, doi: <a href="https://doi.org/10.1016/j.patcog.2021.107824">https://doi.org/10.1016/j.patcog.2021.107824</a>.</p> <p>CHEN Xieling, XIE Haoran, <u>#LI Zongxi</u>, CHENG Gary, "Topic analysis and development in knowledge graph research: A bibliometric review on three decades", <i>Neurocomputing</i>, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.neucom.2021.02.098">https://doi.org/10.1016/j.neucom.2021.02.098</a>.</p>
<b>LIANG Yu</b>	<p><u>LI Changlong</u>, SHI Liang, <u>#LIANG Yu</u>, XUE Chun Jason, "SEAL: User Experience-Aware Two-Level Swap for Mobile Devices", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i>, 39(11), 02 October 2020, pp 4102-4114, doi: <a href="https://doi.org/10.1109/TCAD.2020.3012316">https://doi.org/10.1109/TCAD.2020.3012316</a>.</p> <p>JI Cheng, <u>PAN Riwei</u>, CHANG Li-Pin, SHI Liang, ZHU Zongwei, <u>#LIANG Yu</u>, <u>KUO Tei-Wei</u>, <u>XUE Chun Jason</u>, "Inspection and Characterization of App File Usage in Mobile Devices", <i>ACM Transactions on Storage</i>, 16(4), September 2020, doi: <a href="https://doi.org/10.1145/3404119">https://doi.org/10.1145/3404119</a>.</p> <p><u>#LIANG Yu</u>, JI Cheng, FU Chenchen, AUSAVARUNGNIRUN Rachata, <u>#LI Qiao</u>, <u>PAN Riwei</u>, CHEN Siyu, SHI Liang, <u>KUO Tei-Wei</u>, <u>XUE Chun Jason</u>, "iTRIM: I/O-Aware TRIM for Improving User Experience on Mobile Devices", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i>, 29 September 2020, doi: <a href="https://doi.org/10.1109/TCAD.2020.3027656">https://doi.org/10.1109/TCAD.2020.3027656</a>.</p>
<b>LIN Xi</b>	<p>JIN Zeyu, LYU Juan, <u>ZHAO Yilu</u>, LI Huanglong, <u>#LIN Xi</u>, XIE Guoqiang, LIU Xingjun, <u>KAI Ji-jung</u>, QIU Hua-Jun, "Rugged High-Entropy Alloy Nanowires with in Situ Formed Surface Spinel Oxide As Highly Stable Electrocatalyst in Zn-Air Batteries", <i>ACS Materials Letters</i>, 2(12), 23 November 2020, pp 1698-1706, doi: <a href="https://doi.org/10.1021/acsmaterialslett.0c00434">https://doi.org/10.1021/acsmaterialslett.0c00434</a>.</p>
<b>LIU Hui</b>	<p>JIA Yuheng, <u>#LIU Hui</u>, HOU Junhui, <u>KWONG Tak Wu Sam</u>, <u>ZHANG Qingfu</u>, "Semisupervised Affinity Matrix Learning via Dual-Channel Information Recovery", <i>IEEE Transactions on Cybernetics</i>, 08 January 2021, doi: <a href="https://doi.org/10.1109/TCYB.2020.3041493">https://doi.org/10.1109/TCYB.2020.3041493</a>.</p> <p><u>#PENG Zhihao</u>, JIA Yuheng, <u>#LIU Hui</u>, HOU Junhui, <u>ZHANG Qingfu</u>, "Maximum Entropy Subspace Clustering Network", <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, 15 June 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3089480">https://doi.org/10.1109/TCSVT.2021.3089480</a>.</p> <p><u>#LIU Hui</u>, JIA Yuheng, HOU Junhui, <u>ZHANG Qingfu</u>, "Learning Low-rank Graph with Enhanced Supervision", <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, 14 June 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3089336">https://doi.org/10.1109/TCSVT.2021.3089336</a>.</p> <p>JIA Yuheng, <u>#LIU Hui</u>, HOU Junhui, <u>KWONG Tak Wu Sam</u>, <u>ZHANG Qingfu</u>, "Multi-View Spectral Clustering Tailored Tensor Low-Rank Representation", <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, 27 January 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3055039">https://doi.org/10.1109/TCSVT.2021.3055039</a>.</p>
<b>LIU Linjing</b>	<p><u>#CHEN Xingjian</u>, <u>#LIU Linjing</u>, <u>#ZHANG Weitong</u>, YANG Jianyi, <u>WONG Ka Chun</u>, "Human Host Status Inference from Temporal Microbiome Changes via Recurrent Neural Networks", <i>Briefings in Bioinformatics</i>, 21 June 2021, doi: <a href="https://doi.org/10.1093/bib/bbab223">https://doi.org/10.1093/bib/bbab223</a>.</p>

Section A: Publications of PhD Students

	<p>#<a href="#">LIU Linjing</a>, #<a href="#">CHEN Xingjian</a>, <a href="#">WONG Ka Chun</a>, "Early cancer detection from genome-wide cell-free DNA fragmentation via shuffled frog leaping algorithm and support vector machine", <i>Bioinformatics</i>, 09 April 2021, doi: <a href="https://doi.org/10.1093/bioinformatics/btab236">https://doi.org/10.1093/bioinformatics/btab236</a>.</p> <p>#<a href="#">LIU Linjing</a>, #<a href="#">CHEN Xingjian</a>, #<a href="#">PETINRIN Olutomilayo Olayemi</a>, #<a href="#">ZHANG Weitong</a>, #<a href="#">RAHAMAN Saifur</a>, #<a href="#">TANG Zhiri</a>, <a href="#">WONG Ka Chun</a>, "Machine Learning Protocols in Early Cancer Detection Based on Liquid Biopsy: A Survey", <i>Life</i>, 11(7), 30 June 2021, doi: <a href="https://doi.org/10.3390/life11070638">https://doi.org/10.3390/life11070638</a>.</p>
<b>LIU Shuqi</b>	<p>#<a href="#">LIU Shuqi</a>, #<a href="#">SHAO Wei</a>, #<a href="#">LI Tan</a>, <a href="#">XU Weitao</a>, <a href="#">SONG Linqi</a>, "Recent advances in biometrics-based user authentication for wearable devices: A contemporary survey", <i>Digital Signal Processing</i>, 07 June 2021, doi: <a href="https://doi.org/10.1016/j.dsp.2021.103120">https://doi.org/10.1016/j.dsp.2021.103120</a>.</p>
<b>LIU Songbai</b>	<p>#<a href="#">LIU Songbai</a>, <a href="#">LIN Qiuzhen</a>, <a href="#">TAN Kay Chen</a>, <a href="#">GONG Maoguo</a>, <a href="#">COELLO COELLO Carlos A.</a>, "A Fuzzy Decomposition-Based Multi/Many-Objective Evolutionary Algorithm", <i>IEEE Transactions on Cybernetics</i>, 04 August 2020, doi: <a href="https://doi.org/10.1109/TCYB.2020.3008697">https://doi.org/10.1109/TCYB.2020.3008697</a>.</p>
<b>LIU Ziquan</b>	<p>#<a href="#">LIU Ziquan</a>, <a href="#">YU Lei</a>, <a href="#">HSIAO Janet H</a>, <a href="#">CHAN Antoni Bert</a>, "PRIMAL-GMM: PaRametric MANifold Learning of Gaussian Mixture Models", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i>, 01 January 2021, doi: <a href="https://doi.org/10.1109/TPAMI.2020.3048727">https://doi.org/10.1109/TPAMI.2020.3048727</a>.</p>
<b>MA Xiaoxue</b>	<p>#<a href="#">MA Xiaoxue</a>, <a href="#">WU Shangru</a>, #<a href="#">POBEE Ernest Bota</a>, #<a href="#">MEI Xiupei</a>, <a href="#">ZHANG Hao</a>, <a href="#">JIANG Bo</a>, <a href="#">CHAN Wing Kwong</a>, "RegionTrack: A Trace-Based Sound and Complete Checker to Debug Transactional Atomicity Violations and Non-Serializable Traces", <i>ACM Transactions on Software Engineering and Methodology</i>, 30(1), December 2020, doi: <a href="https://doi.org/10.1145/3412377">https://doi.org/10.1145/3412377</a>.</p>
<b>MAO Yunhao</b>	<p>#<a href="#">MAO Yunhao</a>, #<a href="#">WANG Meng</a>, <a href="#">WANG Shiqi</a>, <a href="#">KWONG Tak Wu Sam</a>, "High Efficiency Rate Control for Versatile Video Coding Based on Composite Cauchy Distribution", <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, 29 June 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3093315">https://doi.org/10.1109/TCSVT.2021.3093315</a>.</p>
<b>MEN Qianhui</b>	<p>#<a href="#">MEN Qianhui</a>, <a href="#">HO Shu Lim</a>, <a href="#">SHUM Hubert P. H.</a>, <a href="#">LEUNG Wing Ho Howard</a>, "A Quadruple Diffusion Convolutional Recurrent Network for Human Motion Prediction", <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, 31(9), 13 November 2020, pp 3417-3432, doi: <a href="https://doi.org/10.1109/TCSVT.2020.3038145">https://doi.org/10.1109/TCSVT.2020.3038145</a>.</p>
<b>NGUYEN Phuong Anh</b>	<p>#<a href="#">NGUYEN Phuong Anh</a>, <a href="#">NGO Chong Wah</a>, "Interactive Search vs. Automatic Search: An Extensive Study on Video Retrieval", <i>ACM Transactions on Multimedia Computing, Communications and Applications</i>, 17(2), 10 May 2021, doi: <a href="https://doi.org/10.1145/3429457">https://doi.org/10.1145/3429457</a>.</p>
<b>NI Zhangkai</b>	<p>#<a href="#">NI Zhangkai</a>, <a href="#">YANG Wenhan</a>, <a href="#">WANG Shiqi</a>, <a href="#">MA Lin</a>, <a href="#">KWONG Tak Wu Sam</a>, "Towards Unsupervised Deep Image Enhancement with Generative Adversarial Network", <i>IEEE Transactions on Image Processing</i>, 29, 22 September 2020, pp 9140-9151, doi: <a href="https://doi.org/10.1109/TIP.2020.3023615">https://doi.org/10.1109/TIP.2020.3023615</a>.</p> <p>#<a href="#">SHEN Xuelin</a>, #<a href="#">NI Zhangkai</a>, <a href="#">YANG Wenhan</a>, <a href="#">ZHANG Xinfeng</a>, <a href="#">WANG Shiqi</a>, <a href="#">KWONG Tak Wu Sam</a>, "Just Noticeable Distortion Profile Inference: A Patch-Level Structural Visibility Learning Approach", <i>IEEE Transactions on Image Processing</i>, 30, 03 November 2020, pp 26-38, doi: <a href="https://doi.org/10.1109/TIP.2020.3029428">https://doi.org/10.1109/TIP.2020.3029428</a>.</p>
<b>PENG Zhihao</b>	<p>#<a href="#">PENG Zhihao</a>, <a href="#">JIA Yuheng</a>, <a href="#">HOU Junhui</a>, "Non-Negative Transfer Learning with Consistent Inter-Domain Distribution", <i>IEEE Signal Processing Letters</i>, 27, 01 October 2020, pp 1720-1724, doi: <a href="https://doi.org/10.1109/LSP.2020.3025061">https://doi.org/10.1109/LSP.2020.3025061</a>.</p> <p>#<a href="#">PENG Zhihao</a>, <a href="#">JIA Yuheng</a>, #<a href="#">LIU Hui</a>, <a href="#">HOU Junhui</a>, <a href="#">ZHANG Qingfu</a>, "Maximum Entropy Subspace Clustering Network", <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, 15 June 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3089480">https://doi.org/10.1109/TCSVT.2021.3089480</a>.</p>
<b>PETINRIN Olutomilayo Olayemi</b>	<p><a href="#">OGUNSINA Adeseye Amos</a>, <a href="#">PETINRIN Moses Omolayo</a>, #<a href="#">PETINRIN Olutomilayo Olayemi</a>, <a href="#">OFFORNEDO Emeka Nelson</a>, <a href="#">PETINRIN Joseph Olawole</a>, <a href="#">ASAOLU Gideon Olusola</a>, "Optimal distributed generation location and sizing for loss minimization and voltage profile optimization using ant colony algorithm", <i>SN Applied Sciences</i>, 3(2), 01 February 2021, doi: <a href="https://doi.org/10.1007/s42452-021-04226-y">https://doi.org/10.1007/s42452-021-04226-y</a>.</p> <p>#<a href="#">LIU Linjing</a>, #<a href="#">CHEN Xingjian</a>, #<a href="#">PETINRIN Olutomilayo Olayemi</a>, #<a href="#">ZHANG Weitong</a>, #<a href="#">RAHAMAN Saifur</a>, #<a href="#">TANG Zhiri</a>, <a href="#">WONG Ka Chun</a>, "Machine Learning Protocols in Early</p>

Section A: Publications of PhD Students

	Cancer Detection Based on Liquid Biopsy: A Survey", <i>Life</i> , 11(7), 30 June 2021, doi: <a href="https://doi.org/10.3390/life11070638">https://doi.org/10.3390/life11070638</a> .
	#AGHIMIEN Emmanuel Imuetinyan, AGHIMIEN Lerato Millicent, #PETINRIN Olutomilayo Olayemi, AGHIMIEN Douglas Omoregie, "High-performance computing for computational modelling in built environment-related studies – a scientometric review", <i>Journal of Engineering, Design and Technology</i> , 02 November 2020, doi: <a href="https://doi.org/10.1108/JEDT-07-2020-0294">https://doi.org/10.1108/JEDT-07-2020-0294</a> .
<b>POBEE Ernest Bota</b>	#MA Xiaoxue, WU Shangru, #POBEE Ernest Bota, #MEI Xiupei, ZHANG Hao, JIANG Bo, CHAN Wing Kwong, "RegionTrack: A Trace-Based Sound and Complete Checker to Debug Transactional Atomicity Violations and Non-Serializable Traces", <i>ACM Transactions on Software Engineering and Methodology</i> , 30(1), December 2020, doi: <a href="https://doi.org/10.1145/3412377">https://doi.org/10.1145/3412377</a> .
<b>QIAO Xiaotian</b>	#QIAO Xiaotian, #ZHENG Quanlong, CAO Ying, LAU Rynson W H, "Object-level Scene Context Prediction", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 27 April 2021, doi: <a href="https://doi.org/10.1109/TPAMI.2021.3075676">https://doi.org/10.1109/TPAMI.2021.3075676</a> .
<b>RAHAMAN Saifur</b>	#RAHAMAN Saifur, LI Xiangtao, YU Jun, WONG Ka Chun, "CancerEMC: frontline non-invasive cancer screening from circulating protein biomarkers and mutations in cell-free DNA", <i>Bioinformatics</i> , 30 January 2021, doi: <a href="https://doi.org/10.1093/bioinformatics/btab044">https://doi.org/10.1093/bioinformatics/btab044</a> .
	#LIU Linjing, #CHEN Xingjian, #PETINRIN Olutomilayo Olayemi, #ZHANG Weitong, #RAHAMAN Saifur, #TANG Zhiri, WONG Ka Chun, "Machine Learning Protocols in Early Cancer Detection Based on Liquid Biopsy: A Survey", <i>Life</i> , 11(7), 30 June 2021, doi: <a href="https://doi.org/10.3390/life11070638">https://doi.org/10.3390/life11070638</a> .
<b>SHAO Kang</b>	#SHAO Kang, WANG Ruixia, QU Shoufang, ZHANG Wenxin, YU Ting, CAO Boyang, DAI Pingping, ZHU Anna, ZHANG Jianguang, WANG Juan, WANG Lusheng, ZHU Shida, WU Kui, YANG Xuexi, CHANG Xiaoyan, CHEN Fang, HUANG Jie, "Comprehensive evaluation of BRCA1/2 variant interpretation ability among laboratories in China", <i>Journal of Medical Genetics</i> , 04 January 2021, doi: <a href="https://doi.org/10.1136/jmedgenet-2020-107360">https://doi.org/10.1136/jmedgenet-2020-107360</a> .
	LI Wei, QU Ning, #LI Jiankang, LI Yu-Xin, HAN Dong-Ming, CHEN Yi-Xi, TIAN Le, #SHAO Kang, #YANG Wen, WANG Zhuo-shi, CHEN Xuan, JIN Xiao-Ying, WANG Zi-wei, LIANG Chen, QIAN Wei-Ping, WANG Lusheng, HE Wei, "Evaluation of the Genetic Variation Spectrum Related to Corneal Dystrophy in a Large Cohort", <i>Frontiers in Cell and Developmental Biology</i> , 9, 18 March 2021, doi: <a href="https://doi.org/10.3389/fcell.2021.632946">https://doi.org/10.3389/fcell.2021.632946</a> .
<b>SHAO Wei</b>	#SHAO Wei, HUA Bolin, SONG Linqi, "A Pattern and POS Auto-Learning Method for Terminology Extraction from Scientific Text", <i>Data and Information Management</i> , 5(3), 07 April 2021, pp 329-335, doi: <a href="https://doi.org/10.2478/dim-2021-0005">https://doi.org/10.2478/dim-2021-0005</a> .
	#LIU Shuqi, #SHAO Wei, #LI Tan, XU Weitao, SONG Linqi, "Recent advances in biometrics-based user authentication for wearable devices: A contemporary survey", <i>Digital Signal Processing</i> , 07 June 2021, doi: <a href="https://doi.org/10.1016/j.dsp.2021.103120">https://doi.org/10.1016/j.dsp.2021.103120</a> .
<b>SHEN Xuelin</b>	#SHEN Xuelin, #NI Zhangkai, YANG Wenhan, ZHANG Xinfeng, WANG Shiqi, KWONG Tak Wu Sam, "Just Noticeable Distortion Profile Inference: A Patch-Level Structural Visibility Learning Approach", <i>IEEE Transactions on Image Processing</i> , 30, 03 November 2020, pp 26-38, doi: <a href="https://doi.org/10.1109/TIP.2020.3029428">https://doi.org/10.1109/TIP.2020.3029428</a> .
<b>SUN Xuan</b>	#SUN Xuan, XUE Chun Jason, #YU Jinghuan, KUO Tei-Wei, LIU Xue, "Accelerating data filtering for database using FPGA", <i>Journal of Systems Architecture</i> , 114, 22 October 2020, doi: <a href="https://doi.org/10.1016/j.sysarc.2020.101908">https://doi.org/10.1016/j.sysarc.2020.101908</a> .
<b>TAN Bowen</b>	MIAO Xinyao, SHEN Yuesheng, GONG Xiaojuan, YU Huiyun, LI Bowen, CHANG Liao, WANG Yinan, FAN Jingna, LIANG Zuhuan, #TAN Bowen, LI Shengbin, ZHANG Bao, "A novel forensic panel of 186-plex SNPs and 123-plex STR loci based on massively parallel sequencing", <i>International Journal of Legal Medicine</i> , 135(3), 26 August 2020, pp 709–718, doi: <a href="https://doi.org/10.1007/s00414-020-02403-z">https://doi.org/10.1007/s00414-020-02403-z</a> .
<b>TAN Xin</b>	ZHENG Xiaoyang, #TAN Xin, #ZHOU Jie, MA Lizhuang, LAU Rynson W H, "Weakly-Supervised Saliency Detection via Salient Object Subitizing", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 05 January 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3049408">https://doi.org/10.1109/TCSVT.2021.3049408</a> .
<b>TANG Zhiri</b>	QWU Edmond, #TANG Zhiri, XIONG Pengwen, WEI Chuan-feng, SONG Aiguo, ZHU LiMin, "ROpenPose: A Rapider OpenPose Model for Astronaut Operation Attitude Detection", <i>IEEE</i>

Section A: Publications of PhD Students

	<p><i>Transactions on Industrial Electronics</i>, 08 January 2021, doi: <a href="https://doi.org/10.1109/TIE.2020.3048285">https://doi.org/10.1109/TIE.2020.3048285</a>.</p> <p>WU Edmond Q., ZHU Li-Min, LI Gui-Jiang, LI Hong-Jun, #TANG Zhiri, HU Ruihan, ZHOU Gui-Rong, "Nonparametric Hierarchical Hidden Semi-Markov Model for Brain Fatigue Behavior Detection of Pilots During Flight", <i>IEEE Transactions on Intelligent Transportation Systems</i>, 02 February 2021, doi: <a href="https://doi.org/10.1109/TITS.2021.3052801">https://doi.org/10.1109/TITS.2021.3052801</a>.</p> <p>ZHU Ruohua, #TANG Zhiri, YE Shizhuo, HUANG Qijun, GUO Lijun, CHANG Sheng, "Memristor-Based Image Enhancement: High Efficiency and Robustness", <i>IEEE Transactions on Electron Devices</i>, 68(2), 31 December 2020, pp 602-609, doi: <a href="https://doi.org/10.1109/TED.2020.3045684">https://doi.org/10.1109/TED.2020.3045684</a>.</p> <p>#TANG Zhiri, CHEN Yanhua, #WANG Zhihua, HU Ruihan, WU Edmond Q., "Non-spike timing-dependent plasticity learning mechanism for memristive neural networks", <i>Applied Intelligence</i>, 51(6), 17 November 2020, pp 3684–3695, doi: <a href="https://doi.org/10.1007/s10489-020-01985-w">https://doi.org/10.1007/s10489-020-01985-w</a>.</p> <p>#LIU Linjing, #CHEN Xingjian, #PETINRIN Olutomilayo Olayemi, #ZHANG Weitong, #RAHAMAN Saifur, #TANG Zhiri, WONG Ka Chun, "Machine Learning Protocols in Early Cancer Detection Based on Liquid Biopsy: A Survey", <i>Life</i>, 11(7), 30 June 2021, doi: <a href="https://doi.org/10.3390/life11070638">https://doi.org/10.3390/life11070638</a>.</p>
<b>WAN Jia</b>	<p>#WAN Jia, ZHANG Kaihao, LI Hongdong, CHAN Antoni Bert, "Angular-Driven Feedback Restoration Networks for Imperfect Sketch Recognition", <i>IEEE Transactions on Image Processing</i>, 30, 15 April 2021, pp 5085-5095, doi: <a href="https://doi.org/10.1109/TIP.2021.3071711">https://doi.org/10.1109/TIP.2021.3071711</a>.</p> <p>#WAN Jia, KUMAR Nikil Senthil, CHAN Antoni Bert, "Fine-Grained Crowd Counting", <i>IEEE Transactions on Image Processing</i>, 30, 13 January 2021, pp 2114-2126, doi: <a href="https://doi.org/10.1109/TIP.2021.3049938">https://doi.org/10.1109/TIP.2021.3049938</a>.</p> <p>#WAN Jia, #WANG Qingzhong, CHAN Antoni Bert, "Kernel-based Density Map Generation for Dense Object Counting", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i>, 09 September 2020, doi: <a href="https://doi.org/10.1109/TPAMI.2020.3022878">https://doi.org/10.1109/TPAMI.2020.3022878</a>.</p> <p>#WANG Qingzhong, #WAN Jia, CHAN Antoni Bert, "On Diversity in Image Captioning: Metrics and Methods", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i>, 04 August 2020, doi: <a href="https://doi.org/10.1109/TPAMI.2020.3013834">https://doi.org/10.1109/TPAMI.2020.3013834</a>.</p>
<b>WAN Ziyu</b>	<p>#WAN Ziyu, CHEN Dongdong, LIAO Jing, "Visual Structure Constraint for Transductive Zero-Shot Learning in the Wild", <i>International Journal of Computer Vision</i>, 129(6), 19 April 2021, pp 1893–1909, doi: <a href="https://doi.org/10.1007/s11263-021-01451-1">https://doi.org/10.1007/s11263-021-01451-1</a>.</p> <p>#YE Shuquan, CHEN Dongdong, HAN Songfang, #WAN Ziyu, LIAO Jing, "Meta-PU: An Arbitrary-Scale Upsampling Network for Point Cloud", <i>IEEE Transactions on Visualization and Computer Graphics</i>, 09 February 2021, doi: <a href="https://doi.org/10.1109/TVCG.2021.3058311">https://doi.org/10.1109/TVCG.2021.3058311</a>.</p>
<b>WANG Changzheng</b>	<p>XIN Shuang, FANG Wenfeng, LI Jianwen, LI Delan, #WANG Changzheng, HUANG Quanfei, HUANG Min, ZHUANG Wei, WANG Xueding, CHEN Likun, "Impact of STAT1 polymorphisms on crizotinib-induced hepatotoxicity in ALK-positive non-small cell lung cancer patients", <i>Journal of Cancer Research and Clinical Oncology</i>, 147(3), 02 January 2021, pp 725–737, doi: <a href="https://doi.org/10.1007/s00432-020-03476-4">https://doi.org/10.1007/s00432-020-03476-4</a>.</p>
<b>WANG Chenhao</b>	<p>CHEN Xujin, HU Xiaodong, #WANG Chenhao, WU Xiaoying, "The efficiency of Nash equilibria in the load balancing game with a randomizing scheduler", <i>Theoretical Computer Science</i>, 838, 24 July 2020, pp 180-194, doi: <a href="https://doi.org/10.1016/j.tcs.2020.07.024">https://doi.org/10.1016/j.tcs.2020.07.024</a>.</p>
<b>WANG Jiasen</b>	<p>#WANG Jiasen, WANG Jun, HAN Qing-Long, "Neurodynamics-Based Model Predictive Control of Continuous-Time Under-Actuated Mechatronic Systems", <i>IEEE/ASME Transactions on Mechatronics</i>, 26(1), 14 August 2020, pp 311-322, doi: <a href="https://doi.org/10.1109/TMECH.2020.3016757">https://doi.org/10.1109/TMECH.2020.3016757</a>.</p>
<b>WANG Meng</b>	<p>LI Junru, ZHANG Li, ZHANG Kai, LIU Hongbin, #WANG Meng, WANG Shiqi, MA Siwei, GAO Wen, "Prediction with Multi-Cross Component for Future Video Coding", <i>IEEE Multimedia</i>, 27 November 2020, doi: <a href="https://doi.org/10.1109/MMUL.2020.3041008">https://doi.org/10.1109/MMUL.2020.3041008</a>.</p> <p>#WANG Meng, WANG Shiqi, LI Junru, ZHANG Li, WANG Yue, MA Siwei, KWONG Tak Wu Sam, "Low Complexity Trellis-Coded Quantization in Versatile Video Coding", <i>IEEE Transactions on Image Processing</i>, 30, 20 January 2021, pp 2378-2393, doi: <a href="https://doi.org/10.1109/TIP.2021.3051460">https://doi.org/10.1109/TIP.2021.3051460</a>.</p>

Section A: Publications of PhD Students

	<p>#<a href="#">MAO Yunhao</a>, #<a href="#">WANG Meng</a>, <a href="#">WANG Shiqi</a>, <a href="#">KWONG Tak Wu Sam</a>, "High Efficiency Rate Control for Versatile Video Coding Based on Composite Cauchy Distribution", <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, 29 June 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3093315">https://doi.org/10.1109/TCSVT.2021.3093315</a>.</p> <p>#<a href="#">WANG Meng</a>, <a href="#">FANG Xiaohan</a>, <a href="#">TAN Songchao</a>, <a href="#">ZHANG Xinfeng</a>, <a href="#">ZHANG Li</a>, "Low Complexity Quantization in High Efficiency Video Coding", <i>IEEE Access</i>, 8, 27 July 2020, pp 145159-145170, doi: <a href="https://doi.org/10.1109/ACCESS.2020.3012145">https://doi.org/10.1109/ACCESS.2020.3012145</a>.</p>
<b>WANG Qingzhong</b>	<p>#<a href="#">WAN Jia</a>, #<a href="#">WANG Qingzhong</a>, <a href="#">CHAN Antoni Bert</a>, "Kernel-based Density Map Generation for Dense Object Counting", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i>, 09 September 2020, doi: <a href="https://doi.org/10.1109/TPAMI.2020.3022878">https://doi.org/10.1109/TPAMI.2020.3022878</a>.</p> <p>#<a href="#">WANG Qingzhong</a>, #<a href="#">WAN Jia</a>, <a href="#">CHAN Antoni Bert</a>, "On Diversity in Image Captioning: Metrics and Methods", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i>, 04 August 2020, doi: <a href="https://doi.org/10.1109/TPAMI.2020.3013834">https://doi.org/10.1109/TPAMI.2020.3013834</a>.</p>
<b>WANG Shuai</b>	<p><a href="#">WANG Changfa</a>, <a href="#">LI Haijing</a>, <a href="#">GUO Yu</a>, <a href="#">HUANG Jinming</a>, <a href="#">SUN Yan</a>, <a href="#">MIN Jiumeng</a>, <a href="#">WANG Jinpeng</a>, <a href="#">FANG Xiaodong</a>, <a href="#">ZHAO Zicheng</a>, #<a href="#">WANG Shuai</a>, <a href="#">ZHANG Yanlin</a>, <a href="#">LIU Qingfeng</a>, <a href="#">JIANG Qiang</a>, <a href="#">WANG Xiuge</a>, <a href="#">GUO Yijun</a>, <a href="#">YANG Chunhong</a>, <a href="#">WANG Yinchao</a>, <a href="#">TIAN Fang</a>, <a href="#">ZHUANG Guilong</a>, <a href="#">FAN Yanna</a>, <a href="#">GAO Qican</a>, <a href="#">LI Yuhua</a>, <a href="#">JU Zhihua</a>, <a href="#">LI Jianbin</a>, <a href="#">LI Rongling</a>, <a href="#">HOU Minghai</a>, <a href="#">YANG Guiwen</a>, <a href="#">LIU Guiqin</a>, <a href="#">LIU Wenqiang</a>, <a href="#">GUO Jiao</a>, <a href="#">PAN Shanshan</a>, <a href="#">FAN Guangyi</a>, <a href="#">ZHANG Wei</a>, <a href="#">ZHANG Ruitao</a>, <a href="#">YU Jie</a>, <a href="#">ZHANG Xinhao</a>, <a href="#">YIN Qi</a>, <a href="#">JI Chuanliang</a>, <a href="#">JIN Yuanchun</a>, <a href="#">YUE Guidong</a>, <a href="#">LIU Mei</a>, <a href="#">XU Jiake</a>, <a href="#">LIU Shimin</a>, <a href="#">JORDANA Jordi</a>, <a href="#">NOCE Antonia</a>, <a href="#">AMILLS Marcel</a>, <a href="#">WU Dong Dong</a>, <a href="#">LI Shuaicheng</a>, <a href="#">ZHOU Xiangshan</a>, <a href="#">ZHONG Jifeng</a>, "Donkey genomes provide new insights into domestication and selection for coat color", <i>Nature Communications</i>, 11, 08 December 2020, doi: <a href="https://doi.org/10.1038/s41467-020-19813-7">https://doi.org/10.1038/s41467-020-19813-7</a>.</p> <p>#<a href="#">WANG Shuai</a>, #<a href="#">JIANG Yiqi</a>, <a href="#">LI Shuaicheng</a>, "PStrain: an iterative microbial strains profiling algorithm for shotgun metagenomic sequencing data", <i>Bioinformatics</i>, 36(22-23), 21 December 2020, pp 5499–5506, doi: <a href="https://doi.org/10.1093/bioinformatics/btaa1056">https://doi.org/10.1093/bioinformatics/btaa1056</a>.</p> <p><a href="#">ZHAO Zicheng</a>, <a href="#">ZHOU Yingxiao</a>, #<a href="#">WANG Shuai</a>, <a href="#">ZHANG Xiuqing</a>, <a href="#">WANG Changfa</a>, <a href="#">LI Shuaicheng</a>, "LDscaff: LD-based scaffolding of de novo genome assemblies", <i>BMC Bioinformatics</i>, 21(Suppl 21), 28 December 2020, doi: <a href="https://doi.org/10.1186/s12859-020-03895-7">https://doi.org/10.1186/s12859-020-03895-7</a>.</p>
<b>WANG Xinyu</b>	<p>#<a href="#">WANG Xinyu</a>, #<a href="#">DU Yuefeng</a>, <a href="#">WANG Cong</a>, <a href="#">WANG Qian</a>, <a href="#">FANG Liming</a>, "WebEnclave: Protect Web Secrets from browser extensions with Software Enclave", <i>IEEE Transactions on Dependable and Secure Computing</i>, 19 May 2021, doi: <a href="https://doi.org/10.1109/TDSC.2021.3081867">https://doi.org/10.1109/TDSC.2021.3081867</a>.</p>
<b>WANG Zhihua</b>	<p>#<a href="#">TANG Zhiri</a>, <a href="#">CHEN Yanhua</a>, #<a href="#">WANG Zhihua</a>, <a href="#">HU Ruihan</a>, <a href="#">WU Edmond Q.</a>, "Non-spike timing-dependent plasticity learning mechanism for memristive neural networks", <i>Applied Intelligence</i>, 51(6), 17 November 2020, pp 3684–3695, doi: <a href="https://doi.org/10.1007/s10489-020-01985-w">https://doi.org/10.1007/s10489-020-01985-w</a>.</p> <p>#<a href="#">WANG Zhihua</a>, <a href="#">MA Kede</a>, "Active Fine-Tuning from gMAD Examples Improves Blind Image Quality Assessment", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i>, 08 April 2021, doi: <a href="https://doi.org/10.1109/TPAMI.2021.3071759">https://doi.org/10.1109/TPAMI.2021.3071759</a>.</p>
<b>WEI Xuekai</b>	<p>#<a href="#">WEI Xuekai</a>, <a href="#">ZHOU Mingliang</a>, <a href="#">KWONG Tak Wu Sam</a>, <a href="#">YUAN Hui</a>, <a href="#">JIA Weijia</a>, "A Hybrid Control Scheme for 360-Degree Dynamic Adaptive Video Streaming over Mobile Devices", <i>IEEE Transactions on Mobile Computing</i>, 09 February 2021, doi: <a href="https://doi.org/10.1109/TMC.2021.3058099">https://doi.org/10.1109/TMC.2021.3058099</a>.</p> <p>#<a href="#">WEI Xuekai</a>, <a href="#">ZHOU Mingliang</a>, <a href="#">KWONG Tak Wu Sam</a>, <a href="#">YUAN Hui</a>, <a href="#">WANG Shiqi</a>, <a href="#">ZHU Guopu</a>, #<a href="#">CAO Jingchao</a>, "Reinforcement learning-based QoE-oriented dynamic adaptive streaming framework", <i>Information Sciences</i>, 569, 13 May 2021, pp 786-803, doi: <a href="https://doi.org/10.1016/j.ins.2021.05.012">https://doi.org/10.1016/j.ins.2021.05.012</a>.</p> <p><a href="#">ZHOU Mingliang</a>, <a href="#">MAO Qin</a>, #<a href="#">WEI Xuekai</a>, "A Model Parameter Estimation Scheme Based on Fast Search for CTU-Level Rate Control in HEVC", <i>Journal of Circuits, Systems and Computers</i>, 10 February 2021, doi: <a href="https://doi.org/10.1142/S0218126621501838">https://doi.org/10.1142/S0218126621501838</a>.</p>
<b>WU Chao</b>	<p>#<a href="#">WU Chao</a>, #<a href="#">LI Qiao</a>, <a href="#">JI Cheng</a>, <a href="#">KUO Tei-Wei</a>, <a href="#">XUE Chun Jason</a>, "Boosting User Experience via Foreground-Aware Cache Management in UFS Mobile Devices", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i>, 39(11), 02 October 2020, pp 3263-3275, doi: <a href="https://doi.org/10.1109/TCAD.2020.3013078">https://doi.org/10.1109/TCAD.2020.3013078</a>.</p>

Section A: Publications of PhD Students

	#WU Chao, #CUI Yufei, JI Cheng, KUO Tei-Wei, XUE Chun Jason, "Pruning Deep Reinforcement Learning for Dual User Experience and Storage Lifetime Improvement on Mobile Devices", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 39(11), 02 October 2020, pp 3993-4005, doi: <a href="https://doi.org/10.1109/TCAD.2020.3012804">https://doi.org/10.1109/TCAD.2020.3012804</a> .
<b>WU Han</b>	XU Kun, #WU Han, SONG Linfeng, ZHANG Haisong, SONG Lingqi, YU Dong, "Conversational Semantic Role Labeling", <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 19 April 2021, doi: <a href="https://doi.org/10.1109/TASLP.2021.3074014">https://doi.org/10.1109/TASLP.2021.3074014</a> .
<b>WU Wei</b>	#WU Wei, SKYE Harrison M., "Residential net-zero energy buildings: Review and perspective", <i>Renewable and Sustainable Energy Reviews</i> , 142, 05 March 2021, doi: <a href="https://doi.org/10.1016/j.rser.2021.110859">https://doi.org/10.1016/j.rser.2021.110859</a> .
<b>XIE Hongcheng</b>	GUO Yu, #XIE Hongcheng, MIAO Yinbin, WANG Cong, JIA Xiaohua, "FedCrowd: A Federated and Privacy-Preserving Crowdsourcing Platform on Blockchain", <i>IEEE Transactions on Services Computing</i> , 14 October 2020, doi: <a href="https://doi.org/10.1109/TSC.2020.3031061">https://doi.org/10.1109/TSC.2020.3031061</a> .
	#XIE Hongcheng, GUO Yu, JIA Xiaohua, "A Privacy-preserving Online Ride-hailing System Without Involving A Third Trusted Server", <i>IEEE Transactions on Information Forensics and Security</i> , 16, 12 March 2021, pp 3068-3081, doi: <a href="https://doi.org/10.1109/TIFS.2021.3065832">https://doi.org/10.1109/TIFS.2021.3065832</a> .
<b>XUE Xiaoming</b>	YIN Faliang, #XUE Xiaoming, ZHANG Chengze, ZHANG Kai, HAN Jianfa, LIU Bingxuan, WANG Jian, YAO Jun, "Multifidelity Genetic Transfer: An Efficient Framework for Production Optimization", <i>SPE Journal</i> , 26(4), 21 January 2021, pp 1614-1635, doi: <a href="https://doi.org/10.2118/205013-PA">https://doi.org/10.2118/205013-PA</a> .
<b>YANG Wen</b>	#YANG Wen, WANG Lusheng, "Fast and Accurate Algorithms for Mapping and Aligning Long Reads", <i>Journal of Computational Biology</i> , 28(8), 23 June 2021, pp 789-803, doi: <a href="https://doi.org/10.1089/cmb.2020.0603">https://doi.org/10.1089/cmb.2020.0603</a> .
	LI Wei, QU Ning, #LI Jiankang, LI Yu-Xin, HAN Dong-Ming, CHEN Yi-Xi, TIAN Le, #SHAO Kang, #YANG Wen, WANG Zhuo-shi, CHEN Xuan, JIN Xiao-Ying, WANG Zi-wei, LIANG Chen, QIAN Wei-Ping, WANG Lusheng, HE Wei, "Evaluation of the Genetic Variation Spectrum Related to Corneal Dystrophy in a Large Cohort", <i>Frontiers in Cell and Developmental Biology</i> , 9, 18 March 2021, doi: <a href="https://doi.org/10.3389/fcell.2021.632946">https://doi.org/10.3389/fcell.2021.632946</a> .
<b>YE Shuquan</b>	#YE Shuquan, CHEN Dongdong, HAN Songfang, #WAN Ziyu, LIAO Jing, "Meta-PU: An Arbitrary-Scale Upsampling Network for Point Cloud", <i>IEEE Transactions on Visualization and Computer Graphics</i> , 09 February 2021, doi: <a href="https://doi.org/10.1109/TVCG.2021.3058311">https://doi.org/10.1109/TVCG.2021.3058311</a> .
<b>YU Jinghuan</b>	#SUN Xuan, XUE Chun Jason, #YU Jinghuan, KUO Tei-Wei, LIU Xue, "Accelerating data filtering for database using FPGA", <i>Journal of Systems Architecture</i> , 114, 22 October 2020, doi: <a href="https://doi.org/10.1016/j.sysarc.2020.101908">https://doi.org/10.1016/j.sysarc.2020.101908</a> .
	JIANG Wei, WANG Jun-Long, ZHAN Jin-Yu, #YU Jinghuan, HU Haibo, "Data Bucket-Based Fragment Management for Solid State Drive Storage System", <i>Journal of Electronic Science and Technology</i> , 18(4), December 2020, pp 330-340, doi: <a href="https://doi.org/10.11989/JEST.1674-862X.80113010">https://doi.org/10.11989/JEST.1674-862X.80113010</a> .
<b>ZHANG Bin</b>	LI Shuaihao, #ZHANG Bin, ZHU Weiping, YANG Xinfeng, "FMPN: Fusing Multiple Progressive CNNs for Depth Map Super-Resolution", <i>IEEE Access</i> , 8, 18 September 2020, pp 170754-170768, doi: <a href="https://doi.org/10.1109/ACCESS.2020.3024650">https://doi.org/10.1109/ACCESS.2020.3024650</a> .
	LI Shuaihao, #ZHANG Bin, YANG Xinfeng, ZHU Weiping, "Edge-guided second-order total generalized variation for Gaussian noise removal from depth map", <i>Scientific Reports</i> , 10, 01 October 2020, doi: <a href="https://doi.org/10.1038/s41598-020-73342-3">https://doi.org/10.1038/s41598-020-73342-3</a> .
<b>ZHANG Chen</b>	LI Han, #ZHANG Chen, HUANG Hejiao, GUO Yu, "一种支持前向安全更新和验证的加密搜索算法", <i>西安电子科技大学学报</i> , 47(5), 26 August 2020, pp 48-56, doi: <a href="https://doi.org/10.19665/j.issn1001-2400.2020.05.007">https://doi.org/10.19665/j.issn1001-2400.2020.05.007</a> .
	#ZHANG Chen, DU Hongwei, "DMORA: Decentralized Multi-SP Online Resource Allocation Scheme for Mobile Edge Computing", <i>IEEE Transactions on Cloud Computing</i> , 15 December 2020, doi: <a href="https://doi.org/10.1109/TCC.2020.3044852">https://doi.org/10.1109/TCC.2020.3044852</a> .
	#ZHANG Chen, GUO Yu, JIA Xiaohua, WANG Cong, DU Hongwei, "Enabling Proxy-free Privacy-preserving and Federated Crowdsourcing by Using Blockchain", <i>IEEE Internet of Things</i>

## Section A: Publications of PhD Students

	<i>Journal</i> , 8(8), 13 January 2021, pp 6624-6636, doi: <a href="https://doi.org/10.1109/JIOT.2021.3051295">https://doi.org/10.1109/JIOT.2021.3051295</a> .
<b>ZHANG Hao</b>	#ZHANG Hao, CHAN Wing Kwong, "DeepEutaxy: Diversity in Weight Search Direction for Fixing Deep Learning Model Training through Batch Prioritization", <i>IEEE Transactions on Reliability</i> , 70(3), 18 June 2021, pp 1040-1052, doi: <a href="https://doi.org/10.1109/TR.2021.3086189">https://doi.org/10.1109/TR.2021.3086189</a> .
<b>ZHANG Jindi</b>	#ZHANG Jindi, #ZHANG Yifan, LU Kejie, WANG Jianping, WU Kui, JIA Xiaohua, LIU Bin, "Detecting and Identifying Optical Signal Attacks on Autonomous Driving Systems", <i>IEEE Internet of Things Journal</i> , 8(2), 24 July 2020, pp 1140-1153, doi: <a href="https://doi.org/10.1109/jiot.2020.3011690">https://doi.org/10.1109/jiot.2020.3011690</a> .
<b>ZHANG Jingyi</b>	HU Qiao, #ZHANG Jingyi, HANCKE Gerhard Petrus, HU Yupeng, LI Wenjia, JIANG Hongbo, QIN Zheng, "Half-duplex mode based secure key generation method for resource-constrained IoT devices", <i>IEEE Internet of Things Journal</i> , 07 June 2021, doi: <a href="https://doi.org/10.1109/JIOT.2021.3086847">https://doi.org/10.1109/JIOT.2021.3086847</a> .
<b>ZHANG Miao</b>	#ZHANG Miao, KEUNG Wai Jacky, CHEN Tsong Yueh, XIAO Yan, "Validating class integration test order generation systems with Metamorphic Testing", <i>Information and Software Technology</i> , 132, 16 December 2020, doi: <a href="https://doi.org/10.1016/j.infsof.2020.106507">https://doi.org/10.1016/j.infsof.2020.106507</a> . #FENG Shuo, KEUNG Wai Jacky, YU Xiao, XIAO Yan, BENNIN Kwabena Ebo, #KABIR Md Alamgir, #ZHANG Miao, "COSTE: Complexity-based OverSampling TEchnique to alleviate the class imbalance problem in software defect prediction", <i>Information and Software Technology</i> , 129, 25 September 2020, doi: <a href="https://doi.org/10.1016/j.infsof.2020.106432">https://doi.org/10.1016/j.infsof.2020.106432</a> . #FENG Shuo, KEUNG Wai Jacky, YU Xiao, XIAO Yan, #ZHANG Miao, "Investigation on the stability of SMOTE-based oversampling techniques in software defect prediction", <i>Information and Software Technology</i> , 139, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.infsof.2021.106662">https://doi.org/10.1016/j.infsof.2021.106662</a> . #ZHANG Miao, KEUNG Wai Jacky, XIAO Yan, #KABIR Md Alamgir, "Evaluating the effects of similar-class combination on class integration test order generation", <i>Information and Software Technology</i> , 129, 25 September 2020, doi: <a href="https://doi.org/10.1016/j.infsof.2020.106438">https://doi.org/10.1016/j.infsof.2020.106438</a> .
<b>ZHANG Qijian</b>	#ZHANG Qijian, CONG Runmin, LI Chongyi, CHENG Ming-Ming, FANG Yuming, CAO Xiaochun, ZHAO Yao, KWONG Tak Wu Sam, "Dense Attention Fluid Network for Salient Object Detection in Optical Remote Sensing Images", <i>IEEE Transactions on Image Processing</i> , 30, 11 December 2020, pp 1305-1317, doi: <a href="https://doi.org/10.1109/TIP.2020.3042084">https://doi.org/10.1109/TIP.2020.3042084</a> .
<b>ZHANG Qiudan</b>	#ZHANG Qiudan, WANG Shiqi, WANG Xu, SUN Zhenhao, KWONG Tak Wu Sam, JIANG Jianmin, "A Multi-Task Collaborative Network for Light Field Salient Object Detection", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 31(5), 30 July 2020, pp 1849-1861, doi: <a href="https://doi.org/10.1109/TCSVT.2020.3013119">https://doi.org/10.1109/TCSVT.2020.3013119</a> .
<b>ZHANG Shixiong</b>	LI Xiangtao, LI Shaochuan, WANG Yunhe, #ZHANG Shixiong, WONG Ka Chun, "Identification of pan-cancer Ras pathway activation with deep learning", <i>Briefings in Bioinformatics</i> , 22(4), 30 October 2020, doi: <a href="https://doi.org/10.1093/bib/bbaa258">https://doi.org/10.1093/bib/bbaa258</a> .
<b>ZHANG Wei</b>	WU Jinghua, WANG Xie, LIN Liya, LI Xuemei, LIU Sixi, #ZHANG Wei, LUO Lihua, WAN Ziyun, FANG Mingyan, ZHAO Yi, WANG Xiaodong, MAI Huirong, YUAN Xiuli, WEN Feiqiu, LI Changgang, LIU Xiao, "Developing an Unbiased Multiplex PCR System to Enrich the <i>TRB</i> Repertoire Toward Accurate Detection in Leukemia", <i>Frontiers in Immunology</i> , 11, 06 August 2020, doi: <a href="https://doi.org/10.3389/fimmu.2020.01631">https://doi.org/10.3389/fimmu.2020.01631</a> .
<b>ZHANG Weitong</b>	#ZHANG Weitong, #CHEN Xingjian, WONG Ka Chun, "Noninvasive early diagnosis of intestinal diseases based on artificial intelligence in genomics and microbiome", <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 36(4), 20 April 2021, pp 823-831, doi: <a href="https://doi.org/10.1111/jgh.15500">https://doi.org/10.1111/jgh.15500</a> . #CHEN Xingjian, #LIU Linjing, #ZHANG Weitong, YANG Jianyi, WONG Ka Chun, "Human Host Status Inference from Temporal Microbiome Changes via Recurrent Neural Networks", <i>Briefings in Bioinformatics</i> , 21 June 2021, doi: <a href="https://doi.org/10.1093/bib/bbab223">https://doi.org/10.1093/bib/bbab223</a> . #LIU Linjing, #CHEN Xingjian, #PETINRIN Olutomilayo Olayemi, #ZHANG Weitong, #RAHAMAN Saifur, #TANG Zhiri, WONG Ka Chun, "Machine Learning Protocols in Early Cancer Detection Based on Liquid Biopsy: A Survey", <i>Life</i> , 11(7), 30 June 2021, doi: <a href="https://doi.org/10.3390/life11070638">https://doi.org/10.3390/life11070638</a> .



Section A: Publications of PhD Students

<b>ZHANG Yang</b>	LUO Qiong, LIU Baichen, #ZHANG Yang, HAN Zhi, TANG Yandong, "Low-rank decomposition on transformed feature maps domain for image denoising", <i>Visual Computer</i> , 37(7), 05 August 2020, pp 1899–1915, doi: <a href="https://doi.org/10.1007/s00371-020-01951-0">https://doi.org/10.1007/s00371-020-01951-0</a> .
<b>ZHANG Yifan</b>	#ZHANG Jindi, #ZHANG Yifan, LU Kejie, WANG Jianping, WU Kui, JIA Xiaohua, LIU Bin, "Detecting and Identifying Optical Signal Attacks on Autonomous Driving Systems", <i>IEEE Internet of Things Journal</i> , 8(2), 24 July 2020, pp 1140-1153, doi: <a href="https://doi.org/10.1109/jiot.2020.3011690">https://doi.org/10.1109/jiot.2020.3011690</a> .
<b>ZHANG Yuwei</b>	#ZHANG Yuwei, WANG Mengbo, LI Shuaicheng, "SuperTAD: robust detection of hierarchical topologically associated domains with optimized structural information", <i>Genome Biology</i> , 22, 25 January 2021, doi: <a href="https://doi.org/10.1186/s13059-020-02234-6">https://doi.org/10.1186/s13059-020-02234-6</a> .
<b>ZHAO Nanxuan</b>	#ZHAO Nanxuan, #ZHENG Quanlong, LIAO Jing, CAO Ying, PFISTER Hanspeter, LAU Rynson W H, "Selective Region-based Photo Color Adjustment for Graphic Designs", <i>ACM Transactions on Graphics</i> , 40(2), 27 April 2021, doi: <a href="https://doi.org/10.1145/3447647">https://doi.org/10.1145/3447647</a> .
<b>ZHENG Quanlong</b>	#QIAO Xiaotian, #ZHENG Quanlong, CAO Ying, LAU Rynson W H, "Object-level Scene Context Prediction", <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 27 April 2021, doi: <a href="https://doi.org/10.1109/TPAMI.2021.3075676">https://doi.org/10.1109/TPAMI.2021.3075676</a> . #ZHAO Nanxuan, #ZHENG Quanlong, LIAO Jing, CAO Ying, PFISTER Hanspeter, LAU Rynson W H, "Selective Region-based Photo Color Adjustment for Graphic Designs", <i>ACM Transactions on Graphics</i> , 40(2), 27 April 2021, doi: <a href="https://doi.org/10.1145/3447647">https://doi.org/10.1145/3447647</a> .
<b>ZHONG Chaofang</b>	#ZHONG Chaofang, WANG Lusheng, NING Kang, "Pan-genome study of Thermococcales reveals extensive genetic diversity and genetic evidence of thermophilic adaption", <i>Environmental Microbiology</i> , 23(7), 17 September 2020, pp 3599-3613, doi: <a href="https://doi.org/10.1111/1462-2920.15234">https://doi.org/10.1111/1462-2920.15234</a> . #ZHONG Chaofang, CHEN Chaoyun, WANG Lusheng, NING Kang, "Integrating pan-genome with metagenome for microbial community profiling", <i>Computational and Structural Biotechnology Journal</i> , 19, 07 March 2021, pp 1458-1466, doi: <a href="https://doi.org/10.1016/j.csbj.2021.02.021">https://doi.org/10.1016/j.csbj.2021.02.021</a> .
<b>ZHONG Jian</b>	#JIAO Qianfen, #LI Rui, CAO Wenming, #ZHONG Jian, WU Si, WONG Hau San, "DDAT: Dual domain adaptive translation for low-resolution face verification in the wild", <i>Pattern Recognition</i> , 120, 12 June 2021, doi: <a href="https://doi.org/10.1016/j.patcog.2021.108107">https://doi.org/10.1016/j.patcog.2021.108107</a> . ZHOU Haohong, #AZZAM Mohamed Said Mahmoud, #ZHONG Jian, LIU Cheng, WU Si, WONG Hau San, "Knowledge Exchange between Domain-Adversarial and Private Networks Improves Open Set Image Classification", <i>IEEE Transactions on Image Processing</i> , 30, 17 June 2021, pp 5807-5818, doi: <a href="https://doi.org/10.1109/TIP.2021.3088642">https://doi.org/10.1109/TIP.2021.3088642</a> .
<b>ZHOU Anxin</b>	#DU Yuefeng, #DUAN Huayi, #ZHOU Anxin, WANG Cong, AU Man Ho Allen, WANG Qian, "Enabling Secure and Efficient Decentralized Storage Auditing with Blockchain", <i>IEEE Transactions on Dependable and Secure Computing</i> , 19 May 2021, doi: <a href="https://doi.org/10.1109/TDSC.2021.3081826">https://doi.org/10.1109/TDSC.2021.3081826</a> .
<b>ZHOU Qian</b>	GUO Cheng, #ZHOU Qian, LI Muxia, ZHOU Letian, XU Lei, ZHANG Ying, LI Dongfang, WANG Ye, DAI Wenkui, LI Shuaicheng, ZHANG Lin, "Breastfeeding restored the gut microbiota in caesarean section infants and lowered the infection risk in early life", <i>BMC Pediatrics</i> , 20, 25 November 2020, doi: <a href="https://doi.org/10.1186/s12887-020-02433-x">https://doi.org/10.1186/s12887-020-02433-x</a> . LIU Ying, #ZHOU Qian, DAI Wenkui, WANG Shan, LIANG Yuan, #LI Yinhu, SHEN Chunping, LI Dongfang, LI Yunzhu, JIAO Lei, BIAN Yawei, LI Shuaicheng, TANG Yi-Wei, MA Lin, "Is antibiotics prescription needed in infants with topical corticosteroids treatment for moderate-to-severe atopic dermatitis?", <i>Dermatologic Therapy</i> , 33(6), 22 August 2020, doi: <a href="https://doi.org/10.1111/dth.14215">https://doi.org/10.1111/dth.14215</a> .
<b>ZHOU Xun</b>	#ZHOU Xun, QIN A. K., GONG Maoguo, TAN Kay Chen, "A Survey on Evolutionary Construction of Deep Neural Networks", <i>IEEE Transactions on Evolutionary Computation</i> , 13 May 2021, doi: <a href="https://doi.org/10.1109/TEVC.2021.3079985">https://doi.org/10.1109/TEVC.2021.3079985</a> .
<b>ZHOU Zimeng</b>	#ZHOU Zimeng, FU Chenchen, XUE Chun Jason, HAN Song, "Energy-Constrained Data Freshness Optimization in Self-Powered Networked Embedded Systems", <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 39(10), October 2020, pp 2293-2306, doi: <a href="https://doi.org/10.1109/TCAD.2019.2948905">https://doi.org/10.1109/TCAD.2019.2948905</a> .
<b>ZHU Bin</b>	CHEN Jingjing, #ZHU Bin, NGO Chong Wah, CHUA Tat-Seng, JIANG Yugang, "A Study of Multi-task and Region-Wise Deep Learning for Food Ingredient Recognition", <i>IEEE Transactions on</i>

Section A: Publications of PhD Students

	<i>Image Processing</i> , 30, 23 December 2020, pp 1514-1526, doi: <a href="https://doi.org/10.1109/TIP.2020.3045639">https://doi.org/10.1109/TIP.2020.3045639</a> .
<b>ZHU Hanwei</b>	FANG Yuming, ZENG Yan, JIANG Wenhui, # <a href="#">ZHU Hanwei</a> , YAN Jiebin, "Superpixel-Based Quality Assessment of Multi-Exposure Image Fusion for Both Static and Dynamic Scenes", <i>IEEE Transactions on Image Processing</i> , 30, 27 January 2021, pp 2526-2537, doi: <a href="https://doi.org/10.1109/TIP.2021.3053465">https://doi.org/10.1109/TIP.2021.3053465</a> .
<b>ZHU Zhiyu</b>	# <a href="#">ZHU Zhiyu</a> , WANG Lanzhi, PENG Gaoliang, LI Sijue, "WDA: An Improved Wasserstein Distance-Based Transfer Learning Fault Diagnosis Method", <i>Sensors</i> , 21(13), 26 June 2021, doi: <a href="https://doi.org/10.3390/s21134394">https://doi.org/10.3390/s21134394</a> . # <a href="#">ZHU Zhiyu</a> , <a href="#">HOU Junhui</a> , CHEN Jie, ZENG Huanqiang, ZHOU Jiantao, "Hyperspectral Image Super-Resolution via Deep Progressive Zero-Centric Residual Learning", <i>IEEE Transactions on Image Processing</i> , 30, 17 December 2020, pp 1423-1438, doi: <a href="https://doi.org/10.1109/TIP.2020.3044214">https://doi.org/10.1109/TIP.2020.3044214</a> .
<b>Conference papers</b>	
<b>AZZAM Mohamed Said Mahmoud</b>	# <a href="#">AZZAM Mohamed Said Mahmoud</a> , # <a href="#">GNANHA Tohokantche Aurele</a> , <a href="#">WONG Hau San</a> , WU Si, "Adversarially Constrained Interpolation for Unsupervised Domain Adaptation", <i>Proceedings of ICPR 2020 - 25th International Conference on Pattern Recognition</i> , Virtual, Milano, Italy, 10-15 January 2021, pp 2375-2381, (ISBN: 978-1-7281-8808-9,978-1-7281-8809-6).
<b>CAI Chengjun</b>	# <a href="#">CAI Chengjun</a> , <a href="#">XU Lei</a> , # <a href="#">ZHOU Anxin</a> , <a href="#">WANG Ruochen</a> , <a href="#">WANG Cong</a> , WANG Qian, "EncELC: Hardening and Enriching Ethereum Light Clients with Trusted Enclaves", <i>IEEE INFOCOM 2020 - IEEE Conference on Computer Communications</i> , Virtual, Toronto, Canada, 06-09 July 2020, pp 1887-1896, (ISBN: 978-1-7281-6412-0). WENG Jiasi, WENG Jian, HUANG Hongwei, # <a href="#">CAI Chengjun</a> , <a href="#">WANG Cong</a> , "FedServing: A Federated Prediction Serving Framework Based on Incentive Mechanism", <i>IEEE Conference on Computer Communications</i> , 10 May 2021 WENG Jiasi, WENG Jian, HUANG Hongwei, # <a href="#">CAI Chengjun</a> , <a href="#">WANG Cong</a> , "FedServing: A federated prediction serving framework based on incentive mechanism", <i>IEEE INFOCOM 2021 - IEEE Conference on Computer Communications</i> , Virtual, Vancouver, Canada, 10-13 May 2021, (ISBN: 978-0-7381-1281-7,978-1-6654-0325-2,978-1-6654-3131-6).
<b>CAO Peibei</b>	# <a href="#">CAO Peibei</a> , WANG Zhangyang, <a href="#">MA Kede</a> , "Debiased Subjective Assessment of Real-World Image Enhancement", <i>2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR 2021)</i> , Virtual, 19-25 June 2021.
<b>CHAO Xianjin</b>	# <a href="#">CHAO Xianjin</a> , BIN Yanrui, CHU Wenqing, CAO Xuan, GE Yanhao, WANG Chengjie, LI Jilin, HUANG Feiyue, <a href="#">LEUNG Wing Ho Howard</a> , "Adversarial Refinement Network for Human Motion Prediction", <i>Computer Vision – ACCV 2020 - 15th Asian Conference on Computer Vision, Kyoto, Japan, November 30 – December 4, 2020, Revised Selected Papers</i> , Virtual, Kyoto, Japan, 30 November - 04 December 2020, pp 454-469, (ISBN: 9783030695316,9783030695323).
<b>CHEN Baoliang</b>	# <a href="#">CHEN Baoliang</a> , <a href="#">YANG Wenhan</a> , <a href="#">WANG Shiqi</a> , "Face Anti-Spoofing by Fusing High and Low Frequency Features for Advanced Generalization Capability", <i>Third International Conference on Multimedia Information Processing and Retrieval - Proceedings</i> , Online, Shenzhen, China, 06-08 August 2020, pp 199-204, (ISBN: 978-1-7281-4272-2,978-1-7281-4273-9).
<b>CHEN Jingjing</b>	# <a href="#">CHEN Jingjing</a> , ZHANG Qingfu, # <a href="#">LI Genghui</a> , "MOEA/D for Multiple Multi-objective Optimization", <i>Evolutionary Multi-Criterion Optimization - 11th International Conference, EMO 2021, Shenzhen, China, March 28–31, 2021, Proceedings</i> , Hampton by Hilton Hotel (on-site & on-line), Shenzhen, China, 28-31 March 2021, pp 152-163, (ISBN: 9783030720612,9783030720629).
<b>CHEN Peilin</b>	# <a href="#">CHEN Peilin</a> , <a href="#">YANG Wenhan</a> , SUN Long, <a href="#">WANG Shiqi</a> , "When Bitstream Prior Meets Deep Prior: Compressed Video Super-resolution with Learning from Decoding", <i>MM '20 - Proceedings of the 28th ACM International Conference on Multimedia</i> , Virtual, Seattle, United States, 12-16 October 2020, pp 1000-1008, (ISBN: 9781450379885).
<b>CHEN Tao</b>	# <a href="#">XIAO Zhen</a> , # <a href="#">CHEN Tao</a> , # <a href="#">LIU Yang</a> , <a href="#">LI Zhenjiang</a> , "Mobile Phones Know Your Keystrokes through the Sounds from Finger's Tapping on the Screen", <i>Proceedings - 2020 IEEE 40th International Conference on Distributed Computing Systems (ICDCS 2020)</i> , Online conference, Singapore, 29 November - 01 December 2020, pp 965-975, (ISBN: 978-1-7281-7002-2).

Section A: Publications of PhD Students

<b>CHEN Xingjian</b>	WONG Hiu-Man, #CHEN Xingjian, #TAM Hiu Hin, #LIN Jiecong, #ZHANG Shixiong, YAN Shankai, LI Xiangtao, WONG Ka Chun, "Feature Selection and Feature Extraction: Highlights", <i>ISMSI 2021 - 2021 5th International Conference on Intelligent Systems, Metaheuristics and Swarm Intelligence</i> , Virtual, Online, Seychelles, 10-11 April 2021, pp 49-53, (ISBN: 978-1-4503-8967-9).
<b>CHEN Xinhong</b>	#LI Zongxi, #CHEN Xinhong, XIE Haoran, LI Qing, TAO Xiaohui, "EmoChannelAttn: Exploring Emotional Construction Towards Multi-Class Emotion Classification", <i>Proceedings - 2020 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology, WI-IAT 2020</i> , Virtual, 14-17 December 2020, pp 242-249, (ISBN: 978-1-6654-1924-6,978-1-6654-3017-3). #YE Luyao, WANG Zezhong, #CHEN Xinhong, WANG Jianping, WU Kui, LU Kejie, "GSAN: Graph Self-Attention Network for Interaction Measurement in Autonomous Driving", <i>Proceedings - 2020 IEEE 17th International Conference on Mobile Ad Hoc and Smart Systems (MASS 2020)</i> , Virtual, Delhi, India, 10-13 December 2020, pp 274-282, (ISBN: 978-1-7281-9866-8). #CHEN Xinhong, LI Qing, WANG Jianping, "A Unified Sequence Labeling Model for Emotion Cause Pair Extraction", <i>Proceedings of the 28th International Conference on Computational Linguistics</i> , Online, Barcelona, Spain, 08-13 December 2020, pp 208-218. #CHEN Xinhong, LI Qing, WANG Jianping, "Conditional Causal Relationships between Emotions and Causes in Texts", <i>Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)</i> , Virtual, 16-20 November 2020, pp 3111-3121, (ISBN: 9781952148606).
<b>CHEN Yangbin</b>	MA Yu, MAO Xudong, #CHEN Yangbin, LI Qing, "Mixing Up Real Samples and Adversarial Samples for Semi-Supervised Learning", <i>2020 International Joint Conference on Neural Networks (IJCNN) - 2020 Conference Proceedings</i> , IEEE Computational Intelligence Society (CIS) and the International Neural Network Society (INNS), Virtual, Glasgow, United Kingdom, 19-24 July 2020, (ISBN: 978-1-7281-6926-2). #CHEN Yangbin, MA Yun, KO Tom, WANG Jianping, LI Qing, "MetaMix: Improved Meta-Learning with Interpolation-based Consistency Regularization", <i>Proceedings of ICPR 2020 - 25th International Conference on Pattern Recognition</i> , Virtual, Milano, Italy, 10-15 January 2021, pp 407-414, (ISBN: 978-1-7281-8808-9,978-1-7281-8809-6). #CHEN Yangbin, KO Tom, SHANG Lifeng, CHEN Xiao, JIANG Xin, LI Qing, "An Investigation of Few-Shot Learning in Spoken Term Classification", <i>Proceedings of Interspeech 2020</i> , Fully Virtual Conference, Shanghai, China, 25-29 October 2020, pp 2582-2586.
<b>CRUZ GOMEZ Sergio Rodolfo</b>	#CRUZ GOMEZ Sergio Rodolfo, CHAN Antoni Bert, "Hand disambiguation using attention neural networks in the egocentric perspective", <i>The Thirteenth International Conference on Digital Image Processing (ICDIP 2021)</i> , Virtual, Singapore, 20-23 May 2021, (ISBN: 9781510646001,9781510646018).
<b>CUI Yufei</b>	#CUI Yufei, #LIU Ziquan, #LI Qiao, CHAN Antoni Bert, XUE Chun Jason, "Bayesian Nested Neural Networks for Uncertainty Calibration and Adaptive Compression", <i>2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i> , Virtual, 19-25 June 2021. #CUI Yufei, #LIU Ziquan, #YAO Wuguannan, #LI Qiao, CHAN Antoni Bert, KUO Tei-Wei, XUE Chun Jason, "Fully Nested Neural Network for Adaptive Compression and Quantization", <i>Proceedings of the Twenty-Ninth International Joint Conference on Artificial Intelligence</i> , Virtual, Yokohama, Japan, 07-15 January 2021, pp 2080-2087, (ISBN: 978-0-9992411-6-5). #LI Qiao, #YE Min, #CUI Yufei, SHI Liang, LI Xiaoqiang, KUO Tei-Wei, XUE Chun Jason, "Shaving Retries with Sentinels for Fast Read over High-Density 3D Flash", <i>Proceedings - 2020 53rd Annual IEEE/ACM International Symposium on Microarchitecture MICRO 2020</i> , Online, Athens, Greece, 17-21 October 2020, pp 483-495, (ISBN: 978-1-7281-7383-2,978-1-7281-7384-9).
<b>DU Hao</b>	PENG Houwen, #DU Hao, YU Hongyuan, LI Qi, LIAO Jing, FU Jianlong, "Cream of the Crop: Distilling Prioritized Paths For One-Shot Neural Architecture Search", <i>NeurIPS Proceedings - Advances in Neural Information Processing Systems 33 (NeurIPS 2020)</i> , Virtual, Vancouver, Canada, 06-12 December 2020.
<b>DU Yuefeng</b>	#DU Yuefeng, #DUAN Huayi, #ZHOU Anxin, WANG Cong, AU Man Ho, WANG Qian, "Towards Privacy-assured and Lightweight On-chain Auditing of Decentralized Storage", <i>Proceedings -</i>

Section A: Publications of PhD Students

	2020 IEEE 40 <sup>th</sup> International Conference on Distributed Computing Systems - ICDCS 2020, Online conference , Singapore, 29 November - 01 December 2020, pp 201-211, (ISBN: 9781728170022,9781728170039).
<b>DUAN Huayi</b>	#DU Yuefeng, #DUAN Huayi, #ZHOU Anxin, WANG Cong, AU Man Ho, WANG Qian, "Towards Privacy-assured and Lightweight On-chain Auditing of Decentralized Storage", <i>Proceedings - 2020 IEEE 40<sup>th</sup> International Conference on Distributed Computing Systems - ICDCS 2020</i> , Online conference , Singapore, 29 November - 01 December 2020, pp 201-211, (ISBN: 9781728170022,9781728170039).
<b>FAN Wenqi</b>	LIU Haifeng, LIN Hongfei, XU Bo, YANG Liang, LIN Yuan, CHU Yonghe, #FAN Wenqi, ZHAO Nan, "Improving Social Recommendations with Item Relationships", <i>Neural Information Processing - Proceedings, Part IV</i> , Virtual, Bangkok, Thailand, 18-22 November 2020, pp 763-770, (ISBN: 9783030638191,9783030638207).
<b>FAN Xuezhou</b>	#FAN Xuezhou, KI Ke, TAN Kay Chen, "Surrogate Assisted Evolutionary Algorithm Based on Transfer Learning for Dynamic Expensive Multi-Objective Optimisation Problems", <i>2020 IEEE Congress on Evolutionary Computation (CEC) - 2020 CONFERENCE PROCEEDINGS</i> , Virtual, Glasgow, United Kingdom, 19-24 July 2020, (ISBN: 978-1-7281-6929-3,978-1-7281-6930-9).
<b>FENG Yinglan</b>	#FENG Yinglan, FENG Liang, HOU Yaqing, TAN Kay Chen, "Large-Scale Optimization via Evolutionary Multitasking assisted Random Embedding", <i>2020 IEEE Congress on Evolutionary Computation (CEC) - 2020 Conference Proceedings</i> , Virtual, Glasgow, United Kingdom, 19-24 July 2020, (ISBN: 978-1-7281-6929-3,978-1-7281-6930-9).
<b>GNANHA Tohokantche Aurele</b>	#AZZAM Mohamed Said Mahmoud, #GNANHA Tohokantche Aurele, WONG Hau San, WU Si, "Adversarially Constrained Interpolation for Unsupervised Domain Adaptation", <i>Proceedings of ICPR 2020 - 25th International Conference on Pattern Recognition</i> , Virtual, Milano, Italy, 10-15 January 2021, pp 2375-2381, (ISBN: 978-1-7281-8808-9,978-1-7281-8809-6).
<b>GUO Mantang</b>	#GUO Mantang, HOU Junhui, #JIN Jing, CHEN Jie, CHAU Lap-pui, "Deep Spatial-Angular Regularization for Compressive Light Field Reconstruction over Coded Apertures", <i>Computer Vision – ECCV 2020, 16th European Conference, Proceedings</i> , Online, Glasgow, United Kingdom, 23-28 August 2020, pp 278-294, (ISBN: 9783030585358,9783030585365).
<b>HANG Ching Nam</b>	TAN Chee Wei, #LING Lin, YU Pei Duo, #HANG Ching Nam, #WONG Man Fai, "Mathematics Gamification in Mobile App Software for Personalized Learning at Scale", <i>2020 IEEE Integrated STEM Education Conference (ISEC)</i> , Virtual, Princeton, United States, 01 August 2020, (ISBN: 978-1-7281-7520-1,978-1-7281-7521-8).
<b>HE Zhixiang</b>	#HE Zhixiang, CHOW Chi Yin, ZHANG Jiadong, "GAMIT: A New Encoder-Decoder Framework with Graphical Space and Multi-grained Time for Traffic Predictions", <i>Proceedings - 2020 IEEE International Conference on Big Data</i> , Virtual, Atlanta, United States, 10-13 December 2020, pp 938-943, (ISBN: 9781728162515).
	#HE Zhixiang, CHOW Chi Yin, ZHANG Jiadong, "GAME: Learning Graphical and Attentive Multi-view Embeddings for Occasional Group Recommendation", <i>SIGIR '20 - Proceedings of the 43rd International ACM SIGIR Conference on Research and Development in Information Retrieval</i> , Virtual, Xi'an, China, 25-30 July 2020, pp 649-658, (ISBN: 9781450380164).
<b>HUANG Endai</b>	#HUANG Endai, #MAO Axiu, LIU Kai, XUE Yueju, "Deep learning-based assessment of laying-hen feather conditions using color and thermal images", <i>2nd Asian Conference on Precision Livestock Farming (ACPLF2020)</i> , China Agricultural University, Beijing, China, 19-21 October 2020.
<b>HUANG Zhian</b>	#HUANG Zhian, HUANG Yu-An, YOU Zhu-Hong, ZHANG Shanwen, YU Chang-Qing, HUANG Wenzhun, "Identification of Autistic Risk Genes Using Developmental Brain Gene Expression Data", <i>Intelligent Computing Theories and Application - 16th International Conference, ICIC 2020, Proceedings</i> , Bari , Italy, 02-05 October 2020, pp 326-338, (ISBN: 9783030608019,9783030608026).
	#HUANG Zhian, #LIU Rui, TAN Kay Chen, "Multi-Task Learning for Efficient Diagnosis of ASD and ADHD using Resting-State fMRI Data", <i>2020 International Joint Conference on Neural Networks (IJCNN) - 2020 Conference Proceedings</i> , Glasgow, United Kingdom, 19-24 July 2020, (ISBN: 978-1-7281-6926-2).
	#LIU Rui, #HUANG Zhian, JIANG Min, TAN Kay Chen, "Multi-LSTM Networks for Accurate Classification of Attention Deficit Hyperactivity Disorder from Resting-State fMRI Data", <i>The</i>

Section A: Publications of PhD Students

	<i>2nd International Conference on Industrial Artificial Intelligence (IAI 2020)</i> , Shenyang, China, 23-25 October 2020, (ISBN: 978-1-7281-8216-2).
<b>HUI Yan Keung</b>	#HUI John, KWOK Lam For, IP Ho Shing Horace, "Developing 21st-Century Competencies for Job Readiness", <i>Blended Learning. Education in a Smart Learning Environment</i> , Kasetsart University, Bangkok, Thailand, 24-27 August 2020, pp 199-209, (ISBN: 9783030519674,9783030519681).
<b>JIAO Qianfen</b>	LI Guanyue, #JIAO Qianfen, QIAN Sheng, WU Si, WONG Hau San, "High Fidelity GAN Inversion via Prior Multi-Subspace Feature Composition", <i>The Thirty-Fifth AAAI Conference on Artificial Intelligence (AAAI-21)</i> , Virtual, 02-09 February 2021, pp 8366-8374, (ISBN: 978-1-57735-866-4 (set)).
<b>JIN Jing</b>	#GUO Mantang, HOU Junhui, #JIN Jing, CHEN Jie, CHAU Lap-pui, "Deep Spatial-Angular Regularization for Compressive Light Field Reconstruction over Coded Apertures", <i>Computer Vision – ECCV 2020, 16th European Conference, Proceedings</i> , Online, Glasgow, United Kingdom, 23-28 August 2020, pp 278-294, (ISBN: 9783030585358,9783030585365). GUO Chunle, #JIN Jing, HOU Junhui, CHEN Jie, "ACCURATE LIGHT FIELD DEPTH ESTIMATION VIA AN OCCLUSION-AWARE NETWORK", <i>2020 IEEE International Conference on Multimedia and Expo (ICME)</i> , Virtual, London, United Kingdom, 06-10 July 2020, (ISBN: 9781728113319,9781728113326). #JIN Jing, HOU Junhui, CHEN Jie, KWONG Tak Wu Sam, YU Jingyi, "Light Field Super-resolution via Attention-Guided Fusion of Hybrid Lenses", <i>MM'20 - Proceedings of the 28th ACM International Conference on Multimedia</i> , Virtual, Seattle, United States, 12-16 October 2020, pp 193-201, (ISBN: 9781450379885).
<b>KABIR Md Alamgir</b>	#KABIR Md Alamgir, KEUNG Wai Jacky, BENNIN Kwabena Ebo, #ZHANG Miao, "A Drift Propensity Detection Technique to Improve the Performance for Cross-Version Software Defect Prediction", <i>Proceedings - 2020 IEEE 44th Annual Computers, Software, and Applications Conference (COMPSAC 2020)</i> , Virtual, Madrid, Spain, 13-17 July 2020, pp 882-891, (ISBN: 9781728173030).
<b>KE Zhanghan</b>	#KE Zhanghan, QIU Di, LI Kaican, YAN Qiong, LAU Rynson W H, "Guided Collaborative Training for Pixel-Wise Semi-Supervised Learning", <i>Computer Vision – ECCV 2020 - 16th European Conference, 2020, Proceedings</i> , Online, Glasgow, United Kingdom, 23-28 August 2020, pp 429-445, (ISBN: 978-3-030-58600-3,978-3-030-58601-0).
<b>LEDWABA Lehlogonolo Polaki Iviwe</b>	#LEDWABA Lehlogonolo Polaki Iviwe, HANCKE Gerhard Petrus, MITROKOTSA Aikaterini, ISAAC Sherrin J., "A Delegated Proof of Proximity Scheme for Industrial Internet of Things Consensus", <i>USB Proceedings - IECON 2020 The 46th Annual Conference of the IEEE Industrial Electronics Society</i> , Nanyang Technological University and IEEE Industrial Electronics Society, Virtual, Singapore, 19-21 October 2020, pp 4441-4446, (ISBN: 978-1-7281-5413-8,978-1-7281-5414-5).
<b>LI Genghui</b>	#LI Genghui, ZHANG Qingfu, "Multitask Feature Selection for Objective Reduction", <i>Evolutionary Multi-Criterion Optimization - 11th International Conference, EMO 2021, Shenzhen, China, March 28–31, 2021, Proceedings</i> , Hampton by Hilton Hotel (on-site & on-line), Shenzhen, China, 28-31 March 2021, pp 77-88, (ISBN: 9783030720612,9783030720629). #CHEN Jingjing, ZHANG Qingfu, #LI Genghui, "MOEA/D for Multiple Multi-objective Optimization", <i>Evolutionary Multi-Criterion Optimization - 11th International Conference, EMO 2021, Shenzhen, China, March 28–31, 2021, Proceedings</i> , Hampton by Hilton Hotel (on-site & on-line), Shenzhen, China, 28-31 March 2021, pp 152-163, (ISBN: 9783030720612,9783030720629).
<b>LI Hongzong</b>	#LI Hongzong, WANG Jiasen, WANG Jun, "Solving the Travelling Salesman Problem Based on Collaborative Neurodynamic Optimization with Discrete Hopfield Networks", <i>11th International Conference on Information Science and Technology (ICIST)</i> , Chengdu, China, 21-23 May 2021, pp 456-465, (ISBN: 978-1-6654-1266-7,978-1-6654-2941-2).
<b>LI Jingting</b>	#LI Jingting, #LING Lin, TAN Chee Wei, "Blending Peer Instruction with Just-In-Time Teaching: Jointly Optimal Task Scheduling with Feedback for Classroom Flipping", <i>L@S '21 - Proceedings of the Eighth ACM Conference on Learning @ Scale</i> , Virtual, Germany, 22-25 June 2021, pp 117-126, (ISBN: 9781450382151).

Section A: Publications of PhD Students

<b>LI Qiao</b>	# <a href="#">CUI Yufei</a> , # <a href="#">LIU Ziquan</a> , # <a href="#">LI Qiao</a> , <a href="#">CHAN Antoni Bert</a> , <a href="#">XUE Chun Jason</a> , "Bayesian Nested Neural Networks for Uncertainty Calibration and Adaptive Compression", <i>2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i> , Virtual, 19-25 June 2021.
	<a href="#">LV Yina</a> , <a href="#">SHI Liang</a> , # <a href="#">LI Qiao</a> , <a href="#">XUE Chun Jason</a> , <a href="#">SHA Edwin H.-M.</a> , "Access Characteristic Guided Partition for Read Performance Improvement on Solid State Drives", <i>PROCEEDINGS OF THE 2020 57TH ACM/EDAC/IEEE DESIGN AUTOMATION CONFERENCE (DAC)</i> , Virtual, San Francisco, United States, 20-24 July 2020, (ISBN: 9781450367257,9781728110851,9781728158020).
	# <a href="#">CUI Yufei</a> , # <a href="#">LIU Ziquan</a> , # <a href="#">YAO Wuguannan</a> , # <a href="#">LI Qiao</a> , <a href="#">CHAN Antoni Bert</a> , <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Fully Nested Neural Network for Adaptive Compression and Quantization", <i>Proceedings of the Twenty-Ninth International Joint Conference on Artificial Intelligence</i> , Virtual, Yokohama, Japan, 07-15 January 2021, pp 2080-2087, (ISBN: 978-0-9992411-6-5).
	# <a href="#">LI Qiao</a> , # <a href="#">YE Min</a> , # <a href="#">CUI Yufei</a> , <a href="#">SHI Liang</a> , <a href="#">LI Xiaoqiang</a> , <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Shaving Retries with Sentinels for Fast Read over High-Density 3D Flash", <i>Proceedings - 2020 53rd Annual IEEE/ACM International Symposium on Microarchitecture MICRO 2020</i> , Online, Athens, Greece, 17-21 October 2020, pp 483-495, (ISBN: 978-1-7281-7383-2,978-1-7281-7384-9).
<b>LI Songhua</b>	# <a href="#">LI Songhua</a> , <a href="#">LI Minming</a> , <a href="#">DUAN Lingjie</a> , <a href="#">LEE Chung Sing Victor</a> , "Online Maximum k-Interval Coverage Problem", <i>Combinatorial Optimization and Applications - 14th International Conference, COCOA 2020, Proceedings</i> , Virtual, Dallas, United States, 11-13 December 2020, pp 455-470, (ISBN: 978-3-030-64842-8,978-3-030-64843-5).
	# <a href="#">LI Songhua</a> , <a href="#">LI Minming</a> , <a href="#">LEE Chung Sing Victor</a> , "Trip-Vehicle Assignment Algorithms for Ride-Sharing", <i>Combinatorial Optimization and Applications - 14th International Conference, COCOA 2020, Proceedings</i> , Virtual, Dallas, United States, 11-13 December 2020, pp 681-696, (ISBN: 978-3-030-64842-8,978-3-030-64843-5).
	# <a href="#">LI Songhua</a> , <a href="#">ZHENG Legian</a> , <a href="#">LEE Chung Sing Victor</a> , "Car-Sharing: Online Scheduling k Cars Between Two Locations", <i>Frontiers in Algorithmics - 14th International Workshop, FAW 2020, Haikou, China, October 19-21, 2020, Proceedings</i> , Online, Haikou, China, 19-21 October 2020, pp 49-61, (ISBN: 9783030599003,9783030599010).
<b>LI Xinqi</b>	# <a href="#">LI Xinqi</a> , <a href="#">WANG Jun</a> , <a href="#">KWONG Tak Wu Sam</a> , "Alternative Mutation Operators in Collaborative Neurodynamic Optimization", <i>10th International Conference on Information Science and Technology (ICIST2020)</i> , Virtual, Bath, London, and Plymouth, United Kingdom, 09-15 September 2020, pp 126-133, (ISBN: 978-1-7281-5558-6).
	# <a href="#">LI Xinqi</a> , <a href="#">WANG Jun</a> , <a href="#">KWONG Tak Wu Sam</a> , "Sparse Nonnegative Matrix Factorization Based on a Hyperbolic Tangent Approximation of L <sub>0</sub> -Norm and Neurodynamic Optimization", <i>12th International Conference on Advanced Computational Intelligence (ICACI)</i> , Dali, Yunnan, China, 14-16 August 2020, pp 542-549, (ISBN: 978-1-7281-4248-7,978-1-7281-4249-4).
<b>LI Zongxi</b>	# <a href="#">LI Zongxi</a> , # <a href="#">CHEN Xinhong</a> , <a href="#">XIE Haoran</a> , <a href="#">LI Qing</a> , <a href="#">TAO Xiaohui</a> , "EmoChannelAttn: Exploring Emotional Construction Towards Multi-Class Emotion Classification", <i>Proceedings - 2020 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology, WI-IAT 2020</i> , Virtual, 14-17 December 2020, pp 242-249, (ISBN: 978-1-6654-1924-6,978-1-6654-3017-3).
	<a href="#">LI Xianming</a> , # <a href="#">LI Zongxi</a> , <a href="#">XIE Haoran</a> , <a href="#">LI Qing</a> , "Merging Statistical Feature via Adaptive Gate for Improved Text Classification", <i>35th AAAI Conference on Artificial Intelligence (AAAI-21)</i> , Virtual, 02-09 February 2021, pp 13288-13296.
<b>LIANG Yu</b>	# <a href="#">LIANG Yu</a> , # <a href="#">LI Jinheng</a> , <a href="#">AUSAVARUNGNIRUN Rachata</a> , <a href="#">PAN Riwei</a> , <a href="#">SHI Liang</a> , <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Acclaim: Adaptive Memory Reclaim to Improve User Experience in Android Systems", <i>Proceedings of the 2020 USENIX Annual Technical Conference, ATC 2020</i> , Online, 15-17 July 2020, pp 897-910, (ISBN: 9781939133144).
	# <a href="#">LIANG Yu</a> , # <a href="#">LI Jinheng</a> , <a href="#">CHEN Xianzhang</a> , <a href="#">AUSAVARUNGNIRUN Rachata</a> , <a href="#">PAN Riwei</a> , <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Differentiating Cache Files for Fine-grain Management to Improve Mobile Performance and Lifetime", <i>The 12th USENIX Workshop on Hot Topics in Storage and File Systems (HotStorage '20)</i> , Sheraton Boston, Boston, MA, United States, 13-14 July 2020.
<b>LIN Jiaying</b>	# <a href="#">LIN Jiaying</a> , <a href="#">HE Zebang</a> , <a href="#">LAU Rynson W H</a> , "Rich Context Aggregation with Reflection Prior for Glass Surface Detection", <i>2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition - Proceedings</i> , Virtual, 19-25 June 2021, pp 13415-13424.

Section A: Publications of PhD Students

	#YE Shuquan, HAN Chu, #LIN Jiaying, HAN Guoqiang, HE Shengfeng, "Coherence and Identity Learning for Arbitrary-length Face Video Generation", <i>Proceedings of ICPR 2020 - 25<sup>th</sup> International Conference on Pattern Recognition</i> , Virtual, Milano, Italy, 10-15 January 2021, pp 915-922, (ISBN: 978-1-7281-8808-9,978-1-7281-8809-6).
<b>LIN Jiecong</b>	WONG Hiu-Man, #CHEN Xingjian, #TAM Hiu Hin, #LIN Jiecong, #ZHANG Shixiong, YAN Shankai, LI Xiangtao, WONG Ka Chun, "Feature Selection and Feature Extraction: Highlights", <i>ISMSI 2021 - 2021 5th International Conference on Intelligent Systems, Metaheuristics and Swarm Intelligence</i> , Virtual, Online, Seychelles, 10-11 April 2021, pp 49-53, (ISBN: 978-1-4503-8967-9).
<b>LIN Rongqun</b>	#LIN Rongqun, ZHU Linwei, WANG Shiqi, KWONG Tak Wu Sam, "Towards Modality Transferable Visual Information Representation with Optimal Model Compression", <i>MM '20 - Proceedings of the 28th ACM International Conference on Multimedia</i> , Virtual, Seattle, United States, 12-16 October 2020, pp 3705-3714, (ISBN: 9781450379885).
<b>LING Lin</b>	#LING Lin, TAN Chee Wei, "Peer-Grading at Scale with Rank Aggregation", <i>L@S '21 - Proceedings of the Eighth ACM Conference on Learning @ Scale</i> , Virtual, Germany, 22-25 June 2021, pp 327-330, (ISBN: 9781450382151).
	#LI Jingting, #LING Lin, TAN Chee Wei, "Blending Peer Instruction with Just-In-Time Teaching: Jointly Optimal Task Scheduling with Feedback for Classroom Flipping", <i>L@S '21 - Proceedings of the Eighth ACM Conference on Learning @ Scale</i> , Virtual, Germany, 22-25 June 2021, pp 117-126, (ISBN: 9781450382151).
	TAN Chee Wei, #LING Lin, YU Pei Duo, #HANG Ching Nam, #WONG Man Fai, "Mathematics Gamification in Mobile App Software for Personalized Learning at Scale", <i>2020 IEEE Integrated STEM Education Conference (ISEC)</i> , Virtual, Princeton, United States, 01 August 2020, (ISBN: 978-1-7281-7520-1,978-1-7281-7521-8).
<b>LIU Fei</b>	#LIU Fei, ZHANG Qingfu, HAN Zhonghua, "MOEA/D with Gradient-Enhanced Kriging for Expensive Multiobjective Optimization", <i>Evolutionary Multi-Criterion Optimization - 11th International Conference, EMO 2021, Proceedings</i> , Hampton by Hilton Hotel (on-site & on-line), Shenzhen, China, 28-31 March 2021, pp 543-554, (ISBN: 9783030720612,9783030720629).
<b>LIU Hui</b>	JIA Yuheng, #LIU Hui, HOU Junhui, ZHANG Qingfu, "Clustering Ensemble Meets Low-rank Tensor Approximation", <i>Proceedings of the AAAI Conference on Artificial Intelligence, A Virtually Conference</i> , 02-09 February 2021, pp 7970-7978, (ISBN: 978-1-57735-866-4).
<b>LIU Rui</b>	#HUANG Zhian, #LIU Rui, TAN Kay Chen, "Multi-Task Learning for Efficient Diagnosis of ASD and ADHD using Resting-State fMRI Data", <i>2020 International Joint Conference on Neural Networks (IJCNN) - 2020 Conference Proceedings</i> , Glasgow, United Kingdom, 19-24 July 2020, (ISBN: 978-1-7281-6926-2).
	#LIU Rui, #HUANG Zhian, JIANG Min, TAN Kay Chen, "Multi-LSTM Networks for Accurate Classification of Attention Deficit Hyperactivity Disorder from Resting-State fMRI Data", <i>The 2nd International Conference on Industrial Artificial Intelligence (IAI 2020)</i> , Shenyang, China, 23-25 October 2020, (ISBN: 978-1-7281-8216-2).
<b>LIU Yang</b>	#XIAO Zhen, #CHEN Tao, #LIU Yang, LI Zhenjiang, "Mobile Phones Know Your Keystrokes through the Sounds from Finger's Tapping on the Screen", <i>Proceedings - 2020 IEEE 40<sup>th</sup> International Conference on Distributed Computing Systems (ICDCS 2020)</i> , Online conference, Singapore, 29 November - 01 December 2020, pp 965-975, (ISBN: 978-1-7281-7002-2).
<b>LIU Yuanzhen</b>	#LIU Yuanzhen, HANCKE Gerhard Petrus, QURESHI Umair Mujtaba, "Off-the-Shelf Security Testing Platform for Contactless Systems", <i>Innovative Security Solutions for Information Technology and Communications - 13th International Conference, SecITC 2020, Revised Selected Papers</i> , Bucharest, Romania, 19-20 November 2020, pp 13-23, (ISBN: 978-3-030-69254-4,978-3-030-69255-1).
<b>LIU Ziquan</b>	#CUI Yufei, #LIU Ziquan, #LI Qiao, CHAN Antoni Bert, XUE Chun Jason, "Bayesian Nested Neural Networks for Uncertainty Calibration and Adaptive Compression", <i>2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i> , Virtual, 19-25 June 2021.
	#WAN Jia, #LIU Ziquan, CHAN Antoni Bert, "A Generalized Loss Function for Crowd Counting and Localization", <i>Proceedings - 2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition, CVPR 2021</i> , Virtual, 19-25 June 2021, pp 1974-1983.

Section A: Publications of PhD Students

	# <u>CUI Yufei</u> , # <u>LIU Ziquan</u> , # <u>YAO Wuguannan</u> , # <u>LI Qiao</u> , <u>CHAN Antoni Bert</u> , <u>KUO Tei-Wei</u> , <u>XUE Chun Jason</u> , "Fully Nested Neural Network for Adaptive Compression and Quantization", <i>Proceedings of the Twenty-Ninth International Joint Conference on Artificial Intelligence</i> , Virtual, Yokohama, Japan, 07-15 January 2021, pp 2080-2087, (ISBN: 978-0-9992411-6-5).
<b>MA Xiaoxue</b>	# <u>YANG Zhen</u> , <u>KEUNG Wai Jacky</u> , <u>YU Xiao</u> , <u>GU Xiaodong</u> , # <u>WEI Zhengyuan</u> , # <u>MA Xiaoxue</u> , # <u>ZHANG Miao</u> , "A Multi-Modal Transformer-based Code Summarization Approach for Smart Contracts", <i>Proceedings - 2021 IEEE/ACM 29th International Conference on Program Comprehension - ICPC 2021</i> , Virtual, 18-22 May 2021, pp 1-12, (ISBN: 9781665414036,9781665414043).
<b>MEN Qianhui</b>	# <u>MEN Qianhui</u> , <u>HO Shu Lim</u> , <u>SHUM Hubert P. H.</u> , <u>LEUNG Wing Ho Howard</u> , "A Two-Stream Recurrent Network for Skeleton-based Human Interaction Recognition", <i>Proceedings of ICPR 2020 - 25th International Conference on Pattern Recognition</i> , Virtual, Milano, Italy, 10-15 January 2021, pp 2771-2778, (ISBN: 978-1-7281-8808-9,978-1-7281-8809-6).
<b>NGUYEN Phuong Anh</b>	# <u>WU Jiaxin</u> , # <u>NGUYEN Phuong Anh</u> , <u>MA Zhixin</u> , <u>NGO Chong Wah</u> , "SQL-Like Interpretable Interactive Video Search", <i>MultiMedia Modeling - 27th International Conference, MMM 2021, Prague, Czech Republic, June 22-24, 2021, Proceedings</i> , Prague, Czech Republic, 22-24 June 2021, pp 391-397, (ISBN: 9783030678340,9783030678357).
<b>NI Zhangkai</b>	# <u>NI Zhangkai</u> , <u>YANG Wenhan</u> , <u>WANG Shiqi</u> , <u>MA Lin</u> , <u>KWONG Tak Wu Sam</u> , "Unpaired Image Enhancement with Quality-Attention Generative Adversarial Network", <i>MM '20 - Proceedings of the 28th ACM International Conference on Multimedia</i> , Virtual, Seattle, United States, 12-16 October 2020, pp 1697-1705, (ISBN: 9781450379885). # <u>SHEN Xuelin</u> , # <u>NI Zhangkai</u> , <u>YANG Wenhan</u> , <u>ZHANG Xinfeng</u> , <u>WANG Shiqi</u> , <u>KWONG Tak Wu Sam</u> , "A JND DATASET BASED ON VVC COMPRESSED IMAGES", <i>2020 IEEE International Conference on Multimedia and Expo Workshops (ICMEW)</i> , Virtual, London, United Kingdom, 06-10 July 2020, (ISBN: 978-1-7281-1485-9,978-1-7281-1486-6).
<b>QIAN Yue</b>	# <u>QIAN Yue</u> , <u>HOU Junhui</u> , <u>KWONG Tak Wu Sam</u> , <u>HE Ying</u> , "PUGeo-Net: A Geometry-Centric Network for 3D Point Cloud Upsampling", <i>Computer Vision – ECCV 2020 - 16th European Conference, Glasgow, UK, August 23-28, 2020, Proceedings, Part XIX</i> , Online Event, Glasgow, United Kingdom, 23-28 August 2020, pp 752-769, (ISBN: 978-3-030-58528-0,978-3-030-58529-7). # <u>ZENG Yiming</u> , # <u>QIAN Yue</u> , # <u>ZHU Zhiyu</u> , <u>HOU Junhui</u> , <u>YUAN Hui</u> , <u>HE Ying</u> , "CorrNet3D: Unsupervised End-to-end Learning of Dense Correspondence for 3D Point Clouds", <i>IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2021</i> , Virtual, 19-25 June 2021, pp 6052-6061.
<b>SHEN Xuelin</b>	# <u>SHEN Xuelin</u> , # <u>NI Zhangkai</u> , <u>YANG Wenhan</u> , <u>ZHANG Xinfeng</u> , <u>WANG Shiqi</u> , <u>KWONG Tak Wu Sam</u> , "A JND DATASET BASED ON VVC COMPRESSED IMAGES", <i>2020 IEEE International Conference on Multimedia and Expo Workshops (ICMEW)</i> , Virtual, London, United Kingdom, 06-10 July 2020, (ISBN: 978-1-7281-1485-9,978-1-7281-1486-6).
<b>SU Qiang</b>	<u>NIU Zhixiong</u> , <u>XU Hong</u> , <u>CHENG Peng</u> , # <u>SU Qiang</u> , <u>XIONG Yongqiang</u> , <u>WANG Tao</u> , <u>HAN Dongsu</u> , <u>WINSTEIN Keith</u> , "NetKernel: Making Network Stack Part of the Virtualized Infrastructure", <i>Proceedings of the 2020 USENIX Annual Technical Conference</i> , Online, 15-17 July 2020, pp 143-157, (ISBN: 9781939133144).
<b>SUN Zhenhao</b>	# <u>SUN Zhenhao</u> , # <u>WANG Meng</u> , <u>WANG Shiqi</u> , <u>KWONG Tak Wu Sam</u> , "Complexity-Configurable Learning-based Genome Compression", <i>2021 Picture Coding Symposium (PCS) - Proceedings</i> , Virtual, Bristol, United Kingdom, 29 June - 02 July 2021, pp 241-245, (ISBN: 978-1-6654-2545-2,978-1-6654-3078-4).
<b>TAM Hiu Hin</b>	<u>WONG Hiu-Man</u> , # <u>CHEN Xingjian</u> , # <u>TAM Hiu Hin</u> , # <u>LIN Jiecong</u> , # <u>ZHANG Shixiong</u> , <u>YAN Shankai</u> , <u>LI Xiangtao</u> , <u>WONG Ka Chun</u> , "Feature Selection and Feature Extraction: Highlights", <i>ISMSI 2021 - 2021 5th International Conference on Intelligent Systems, Metaheuristics and Swarm Intelligence</i> , Virtual, Online, Seychelles, 10-11 April 2021, pp 49-53, (ISBN: 978-1-4503-8967-9).
<b>TAN Haochen</b>	<u>XU Kun</u> , # <u>TAN Haochen</u> , <u>SONG Linfeng</u> , # <u>WU Han</u> , <u>ZHANG Haisong</u> , <u>SONG Linqi</u> , <u>YU Dong</u> , "Semantic Role Labeling Guided Multi-turn Dialogue ReWriter", <i>Proceedings of the 2020</i>



Section A: Publications of PhD Students

	<i>Conference on Empirical Methods in Natural Language Processing (EMNLP)</i> , Virtual Conference, 16-20 November 2020, pp 6632–6639.
<b>TAN Xin</b>	XU Jiachen, GONG Jingyu, ZHOU Jie, # <a href="#">TAN Xin</a> , XIE Yuan, MA Lizhuang, "SceneEncoder: Scene-Aware Semantic Segmentation of Point Clouds with A Learnable Scene Descriptor", <i>Proceedings of the Twenty-Ninth International Joint Conference on Artificial Intelligence (IJCAI-20)</i> , Virtual, Yokohama, Japan, 07-15 January 2021, pp 601-607, (ISBN: 9780999241165).
<b>TIAN Xin</b>	# <a href="#">TIAN Xin</a> , # <a href="#">XU Ke</a> , YANG Xin, YIN Baocai, <a href="#">LAU Rynson W H</a> , "Weakly-supervised Salient Instance Detection", <i>31st British Machine Vision Virtual Conference (BMVC 2020)</i> , Virtual, 07-10 September 2020.
<b>WAN Jia</b>	# <a href="#">WAN Jia</a> , # <a href="#">LIU Ziquan</a> , <a href="#">CHAN Antoni Bert</a> , "A Generalized Loss Function for Crowd Counting and Localization", <i>Proceedings - 2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition, CVPR 2021</i> , Virtual, 19-25 June 2021, pp 1974-1983.
	# <a href="#">WU Qiangqiang</a> , # <a href="#">WAN Jia</a> , <a href="#">CHAN Antoni Bert</a> , "Progressive Unsupervised Learning for Visual Object Tracking", <i>Proceedings - 2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition, CVPR 2021</i> , Virtual, 19-25 June 2021, pp 2993-3002.
	# <a href="#">WAN Jia</a> , <a href="#">CHAN Antoni Bert</a> , "Modeling Noisy Annotations for Crowd Counting", <i>NeurIPS Proceedings</i> , Virtual, Vancouver, Canada, 06-12 December 2020.
<b>WAN Ziyu</b>	LIU Hongyu, # <a href="#">WAN Ziyu</a> , HUANG Wei, SONG Yibing, HAN Xintong, <a href="#">LIAO Jing</a> , JIANG Bin, LIU Wei, "DeFLOCNet: Deep Image Editing via Flexible Low-Level Controls", <i>Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i> , Virtual, 19-25 June 2021, pp 10765-10774.
	LIU Hongyu, # <a href="#">WAN Ziyu</a> , HUANG Wei, SONG Yibing, HAN Xintong, <a href="#">LIAO Jing</a> , "PD-GAN: Probabilistic Diverse GAN for Image Inpainting", <i>Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i> , Virtual, 19-25 June 2021, pp 9371-9381.
<b>WANG Chenhao</b>	<a href="#">LI Minming</a> , # <a href="#">WANG Chenhao</a> , ZHANG Mengqi, "Budgeted Facility Location Games with Strategic Facilities", <i>Proceedings of the Twenty-Ninth International Joint Conference on Artificial Intelligence (IJCAI-20)</i> , Virtual, Yokohama, Japan, 07-15 January 2021, pp 400-406, (ISBN: 9780999241165).
<b>WANG Jiasen</b>	# <a href="#">WANG Jiasen</a> , <a href="#">WANG Jun</a> , ZHAO Dongbin, "Dynamically Weighted Model Predictive Control of Affine Nonlinear Systems Based on Two-Timescale Neurodynamic Optimization", <i>Advances in Neural Networks – ISNN 2020 - 17th International Symposium on Neural Networks, ISNN 2020, Proceedings</i> , Cairo, Egypt, 04-06 December 2020, pp 96-105, (ISBN: 978-3-030-64220-4,978-3-030-64221-1).
<b>WANG Jiuniu</b>	# <a href="#">WANG Qingzhong</a> , # <a href="#">WANG Jiuniu</a> , <a href="#">CHAN Antoni Bert</a> , HUANG Siyu, XIONG Haoyi, LI Xingjian, DOU Dejing, "Neighbours Matter: Image Captioning with Similar Images", <i>British Machine Vision Conference</i> , Virtual, 07-10 September 2020.
	# <a href="#">WANG Jiuniu</a> , XU Wenjia, # <a href="#">WANG Qingzhong</a> , <a href="#">CHAN Antoni Bert</a> , "Compare and Reweight: Distinctive Image Captioning Using Similar Images Sets", <i>Computer Vision – ECCV 2020 - Proceedings, Part I</i> , Online, Glasgow, United Kingdom, 23-28 August 2020, pp 370-386, (ISBN: 9783030584511,9783030584528).
<b>WANG Meng</b>	# <a href="#">WANG Meng</a> , XU Jizheng, ZHANG Li, LI Junru, <a href="#">WANG Shiqi</a> , "Super Resolution for Compressed Screen Content Video", <i>Proceedings - DCC 2021 - 2021 DATA COMPRESSION CONFERENCE</i> , Virtual, Snowbird, United States, 23-26 March 2021, pp 173-182, (ISBN: 9780738112275).
	LI Junru, ZHANG Li, ZHANG Kai, LIU Hongbin, # <a href="#">WANG Meng</a> , <a href="#">WANG Shiqi</a> , MA Siwei, GAO Wen, "PREDICTION WITH MULTI-CROSS COMPONENT", <i>2020 IEEE International Conference on Multimedia and Expo Workshops (ICMEW)</i> , Virtual, London, United Kingdom, 06-10 July 2020, (ISBN: 978-1-7281-1485-9,978-1-7281-1486-6).
	# <a href="#">WANG Meng</a> , <a href="#">WANG Shiqi</a> , LI Junru, ZHANG Li, WANG Yue, MA Siwei, "SSIM Motivated Quality Control for Versatile Video Coding", <i>2020 Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC) - PROCEEDINGS</i> , Virtual, Auckland, New Zealand, 07-10 December 2020, pp 1122-1127, (ISBN: 9781728181301,9789881476883).

Section A: Publications of PhD Students

	# <a href="#">SUN Zhenhao</a> , # <a href="#">WANG Meng</a> , <a href="#">WANG Shiqi</a> , <a href="#">KWONG Tak Wu Sam</a> , "Complexity-Configurable Learning-based Genome Compression", <i>2021 Picture Coding Symposium (PCS) - Proceedings, Virtual</i> , Bristol, United Kingdom, 29 June - 02 July 2021, pp 241-245, (ISBN: 978-1-6654-2545-2,978-1-6654-3078-4).
<b>WANG Mingyue</b>	# <a href="#">WANG Mingyue</a> , <a href="#">MIAO Yinbin</a> , <a href="#">GUO Yu</a> , <a href="#">WANG Cong</a> , <a href="#">HUANG Hejiao</a> , <a href="#">JIA Xiaohua</a> , "Attribute-based Encrypted Search for Multi-owner and Multi-user Model", <i>ICC 2021 - IEEE International Conference on Communications - Proceedings</i> , Virtual, Montreal, Canada, 14-23 June 2021, (ISBN: 978-1-7281-7122-7,978-1-7281-7123-4).
<b>WANG Qingzhong</b>	# <a href="#">WANG Qingzhong</a> , # <a href="#">WANG Jiuniu</a> , <a href="#">CHAN Antoni Bert</a> , <a href="#">HUANG Siyu</a> , <a href="#">XIONG Haoyi</a> , <a href="#">LI Xingjian</a> , <a href="#">DOU Dejing</a> , "Neighbours Matter: Image Captioning with Similar Images", <i>British Machine Vision Conference</i> , Virtual, 07-10 September 2020. <a href="#">HUANG Siyu</a> , <a href="#">XIONG Haoyi</a> , <a href="#">CHENG Zhiqi</a> , # <a href="#">WANG Qingzhong</a> , <a href="#">ZHOU Xingran</a> , <a href="#">WEN Bihan</a> , <a href="#">HUANG Jun</a> , <a href="#">DOU Dejing</a> , "Generating Person Images with Appearance-aware Pose Stylizer", <i>Proceedings of the Twenty-Ninth International Joint Conference on Artificial Intelligence</i> , Virtual, Yokohama, Japan, 07-15 January 2021, pp 623-629, (ISBN: 9780999241165). # <a href="#">WANG Jiuniu</a> , <a href="#">XU Wenjia</a> , # <a href="#">WANG Qingzhong</a> , <a href="#">CHAN Antoni Bert</a> , "Compare and Reweight: Distinctive Image Captioning Using Similar Images Sets", <i>Computer Vision – ECCV 2020 - Proceedings, Part I</i> , Online, Glasgow, United Kingdom, 23-28 August 2020, pp 370-386, (ISBN: 9783030584511,9783030584528).
<b>WANG Shurun</b>	# <a href="#">WANG Shurun</a> , <a href="#">WANG Shiqi</a> , <a href="#">YANG Wenhan</a> , <a href="#">ZHANG Xinfeng</a> , <a href="#">WANG Shanshe</a> , <a href="#">MA Siwei</a> , "TEACHER-STUDENT LEARNING WITH MULTI-GRANULARITY CONSTRAINT TOWARDS COMPACT FACIAL FEATURE REPRESENTATION", <i>2021 IEEE International Conference on Acoustics, Speech and Signal Processing - PROCEEDINGS</i> , Virtual, Toronto, Ontario, Canada, 06-11 June 2021, pp 8503-8507, (ISBN: 9781728176055,9781728176062).
<b>WEI Zhengyuan</b>	# <a href="#">YANG Zhen</a> , <a href="#">KEUNG Wai Jacky</a> , <a href="#">YU Xiao</a> , <a href="#">GU Xiaodong</a> , # <a href="#">WEI Zhengyuan</a> , # <a href="#">MA Xiaoxue</a> , # <a href="#">ZHANG Miao</a> , "A Multi-Modal Transformer-based Code Summarization Approach for Smart Contracts", <i>Proceedings - 2021 IEEE/ACM 29th International Conference on Program Comprehension - ICPC 2021</i> , Virtual, 18-22 May 2021, pp 1-12, (ISBN: 9781665414036,9781665414043). # <a href="#">MEI Xiupei</a> , # <a href="#">WEI Zhengyuan</a> , <a href="#">ZHANG Hao</a> , <a href="#">CHAN Wing Kwong</a> , "BlockRace: A Big Data Approach to Dynamic Block-based Data Race Detection for Multithreaded Programs", <i>Proceedings - 2020 IEEE/ACM 1st International Conference on Automation of Software Test (AST 2020)</i> , Seoul, Virtual, Korea, Republic of, 15-16 July 2020, pp 71-80, (ISBN: 978-1-4503-7957-1).
<b>WONG Man Fai</b>	<a href="#">TAN Chee Wei</a> , # <a href="#">LING Lin</a> , <a href="#">YU Pei Duo</a> , # <a href="#">HANG Ching Nam</a> , # <a href="#">WONG Man Fai</a> , "Mathematics Gamification in Mobile App Software for Personalized Learning at Scale", <i>2020 IEEE Integrated STEM Education Conference (ISEC)</i> , Virtual, Princeton, United States, 01 August 2020, (ISBN: 978-1-7281-7520-1,978-1-7281-7521-8).
<b>WU Chao</b>	<a href="#">JI Cheng</a> , <a href="#">CHANG Li-Pin</a> , <a href="#">PAN Riwei</a> , # <a href="#">WU Chao</a> , <a href="#">GAO Congming</a> , <a href="#">SHI Liang</a> , <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Pattern-Guided File Compression with User-Experience Enhancement for Log-Structured File System on Mobile Devices", <i>Proceedings of the 19th USENIX Conference on File and Storage Technologies (FAST '21)</i> , Hyatt Regency Santa Clara (Virtual), Santa Clara, CA, United States, 23-25 February 2021, pp 127-140, (ISBN: 9781939133205). <a href="#">ZHU Zongwei</a> , # <a href="#">WU Chao</a> , <a href="#">JI Cheng</a> , <a href="#">WANG Xianmin</a> , "Machine Learning Assisted OSP Approach for Improved QoS Performance on 3D Charge-Trap Based SSDs", <i>Machine Learning for Cyber Security - Third International Conference, ML4CS 2020, Proceedings</i> , Guangzhou, China, 08-10 October 2020, pp 86-99, (ISBN: 9783030624620,9783030624637).
<b>WU Han</b>	<a href="#">XU Kun</a> , # <a href="#">TAN Haochen</a> , <a href="#">SONG Linfeng</a> , # <a href="#">WU Han</a> , <a href="#">ZHANG Haisong</a> , <a href="#">SONG Linqi</a> , <a href="#">YU Dong</a> , "Semantic Role Labeling Guided Multi-turn Dialogue ReWriter", <i>Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing (EMNLP)</i> , Virtual Conference, 16-20 November 2020, pp 6632–6639. <a href="#">HE Boyu</a> , # <a href="#">WU Han</a> , <a href="#">LI Congduan</a> , <a href="#">SONG Linqi</a> , <a href="#">CHEN Weigang</a> , "K-CSRL: Knowledge Enhanced Conversational Semantic Role Labeling", <i>ICMLC 2021 - 2021 13th International Conference on Machine Learning and Computing</i> , Virtual, Shenzhen, China, 26 February - 01 March 2021, pp 530-535, (ISBN: 9781450389310).

## Section A: Publications of PhD Students

<b>WU Jiaxin</b>	#WU Jiaxin, <u>NGO Chong Wah</u> , "Interpretable Embedding for Ad-Hoc Video Search", <i>MM '20 - Proceedings of the 28th ACM International Conference on Multimedia</i> , Virtual, Seattle, United States, 12-16 October 2020, pp 3357-3366, (ISBN: 9781450379885).
	#WU Jiaxin, #NGUYEN Phuong Anh, MA Zhixin, <u>NGO Chong Wah</u> , "SQL-Like Interpretable Interactive Video Search", <i>MultiMedia Modeling - 27th International Conference, MMM 2021, Prague, Czech Republic, June 22–24, 2021, Proceedings</i> , Prague, Czech Republic, 22-24 June 2021, pp 391-397, (ISBN: 9783030678340,9783030678357).
<b>WU Qiangqiang</b>	#WU Qiangqiang, #WAN Jia, <u>CHAN Antoni Bert</u> , "Progressive Unsupervised Learning for Visual Object Tracking", <i>Proceedings - 2021 IEEE/CVF Conference on Computer Vision and Pattern Recognition, CVPR 2021</i> , Virtual, 19-25 June 2021, pp 2993-3002.
<b>WU Xiaorui</b>	#WU Xiaorui, <u>XU Hong</u> , WANG Yi, "Irina: Accelerating DNN Inference with Efficient Online Scheduling", <i>Proceedings of 2020 4th Asia-Pacific Workshop on Networking (APNet 2020)</i> , Online, Seoul, Korea, Republic of, 03-04 August 2020, pp 36-43, (ISBN: 9781450388764).
	#WU Xiaorui, <u>XU Hong</u> , ZHANG Honglin, CHEN Huaming, WANG Jian, "Saec: Similarity-Aware Embedding Compression in Recommendation Systems", <i>APSys '20 - Proceedings of the 2020 ACM SIGOPS Asia-Pacific Workshop on Systems</i> , Virtual, Tsukuba, Japan, 24-25 August 2020, pp 82-89, (ISBN: 9781450380690).
<b>XIAO Zhen</b>	#XIAO Zhen, #CHEN Tao, #LIU Yang, <u>LI Zhenjiang</u> , "Mobile Phones Know Your Keystrokes through the Sounds from Finger's Tapping on the Screen", <i>Proceedings - 2020 IEEE 40th International Conference on Distributed Computing Systems (ICDCS 2020)</i> , Online conference, Singapore, 29 November - 01 December 2020, pp 965-975, (ISBN: 978-1-7281-7002-2).
<b>XU Ke</b>	#TIAN Xin, #XU Ke, YANG Xin, YIN Baocai, <u>LAU Rynson W H</u> , "Weakly-supervised Salient Instance Detection", <i>31st British Machine Vision Virtual Conference (BMVC 2020)</i> , Virtual, 07-10 September 2020.
<b>XU Meng</b>	#XU Meng, <u>ZHANG Qingfu</u> , <u>WANG Jianping</u> , "Discounted Sampling Policy Gradient for Robot Multi-objective Visual Control", <i>Evolutionary Multi-Criterion Optimization - 11th International Conference, EMO 2021, Shenzhen, China, March 28–31, 2021, Proceedings</i> , Hampton by Hilton Hotel (on-site & on-line), Shenzhen, China, 28-31 March 2021, pp 441-452, (ISBN: 9783030720612,9783030720629).
<b>YANG Wen</b>	#YANG Wen, <u>WANG Lusheng</u> , "mapAlign: An Efficient Approach for Mapping and Aligning Long Reads to Reference Genomes", <i>Bioinformatics Research and Applications - 16th International Symposium, ISBRA 2020, Proceedings</i> , Moscow, Russian Federation, 01-04 December 2020, pp 105-118, (ISBN: 9783030578206,9783030578213).
<b>YANG Zhen</b>	#YANG Zhen, <u>KEUNG Wai Jacky</u> , YU Xiao, GU Xiaodong, #WEI Zhengyuan, #MA Xiaoxue, #ZHANG Miao, "A Multi-Modal Transformer-based Code Summarization Approach for Smart Contracts", <i>Proceedings - 2021 IEEE/ACM 29th International Conference on Program Comprehension - ICPC 2021</i> , Virtual, 18-22 May 2021, pp 1-12, (ISBN: 9781665414036,9781665414043).
	#YANG Zhen, <u>KEUNG Wai Jacky</u> , #ZHANG Miao, XIAO Yan, <u>HUANG Yangyang</u> , <u>HUI Tik</u> , "Smart Contracts Vulnerability Auditing With Multi-Semantics", <i>Proceedings - 2020 IEEE 44th Annual Computers, Software, and Applications Conference, COMPSAC 2020</i> , Virtual, Madrid, Spain, 13-17 July 2020, pp 892-901, (ISBN: 978-1-7281-7303-0,978-1-7281-7304-7).
<b>YAO Jing</b>	#YAO Jing, ZHENG Yifeng, <u>GUO Yu</u> , <u>WANG Cong</u> , "SoK: A Systematic Study of Attacks in Efficient Encrypted Cloud Data Search", <i>SBC '20 - Proceedings of the 8th International Workshop on Security in Blockchain and Cloud Computing, Co-located with: AsiaCCS 2020</i> , Taipei, Taiwan, 06 October 2020, pp 14-20, (ISBN: 9781450376099).
	#YAO Jing, ZHENG Yifeng, <u>WANG Cong</u> , NEPAL Surya, "Towards Secure Edge-assisted Image Sharing for Timely Disaster Situation Awareness", <i>Proceedings of the 17th International Joint Conference on e-Business and Telecommunications</i> , Online Streaming, 08-10 July 2020, pp 295-301, (ISBN: 978-989-758-446-6).
<b>YE Luyao</b>	LIU Bingyi, QIN Jing, DENG Dongxiao, WANG Ze, XIONG Shengwu, #YE Luyao, "A Novel Collision-Avoidance TDMA MAC Protocol for Fog-Assisted VCNs", <i>Neural Computing for Advanced Applications - First International Conference, NCAA 2020, Proceedings</i> , Shenzhen, China, 03-05 July 2020, pp 395-407, (ISBN: 9789811576690,9789811576706).

Section A: Publications of PhD Students

	#YE Luyao, WANG Zezhong, #CHEN Xinhong, WANG Jianping, WU Kui, LU Kejie, "GSAN: Graph Self-Attention Network for Interaction Measurement in Autonomous Driving", <i>Proceedings - 2020 IEEE 17th International Conference on Mobile Ad Hoc and Smart Systems (MASS 2020)</i> , Virtual, Delhi, India, 10-13 December 2020, pp 274-282, (ISBN: 978-1-7281-9866-8).
<b>YE Min</b>	#LI Qiao, #YE Min, #CUI Yufei, SHI Liang, LI Xiaoqiang, KUO Tei-Wei, XUE Chun Jason, "Shaving Retries with Sentinels for Fast Read over High-Density 3D Flash", <i>Proceedings - 2020 53rd Annual IEEE/ACM International Symposium on Microarchitecture MICRO 2020</i> , Online, Athens, Greece, 17-21 October 2020, pp 483-495, (ISBN: 978-1-7281-7383-2,978-1-7281-7384-9).
<b>YE Shuquan</b>	#YE Shuquan, HAN Chu, #LIN Jiaying, HAN Guoqiang, HE Shengfeng, "Coherence and Identity Learning for Arbitrary-length Face Video Generation", <i>Proceedings of ICPR 2020 - 25th International Conference on Pattern Recognition</i> , Virtual, Milano, Italy, 10-15 January 2021, pp 915-922, (ISBN: 978-1-7281-8808-9,978-1-7281-8809-6).
<b>ZENG Yiming</b>	#ZENG Yiming, #QIAN Yue, #ZHU Zhiyu, HOU Junhui, YUAN Hui, HE Ying, "CorrNet3D: Unsupervised End-to-end Learning of Dense Correspondence for 3D Point Clouds", <i>IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2021</i> , Virtual, 19-25 June 2021, pp 6052-6061.
<b>ZHANG Chen</b>	ZENG Guotai, #ZHANG Chen, DU Hongwei, "An Efficient Mechanism for Resource Allocation in Mobile Edge Computing", <i>Combinatorial Optimization and Applications - 14th International Conference, COCOA 2020, Proceedings</i> , Virtual, Dallas, United States, 11-13 December 2020, pp 657-668, (ISBN: 978-3-030-64842-8,978-3-030-64843-5).
<b>ZHANG Miao</b>	#YANG Zhen, KEUNG Wai Jacky, YU Xiao, GU Xiaodong, #WEI Zhengyuan, #MA Xiaoxue, #ZHANG Miao, "A Multi-Modal Transformer-based Code Summarization Approach for Smart Contracts", <i>Proceedings - 2021 IEEE/ACM 29th International Conference on Program Comprehension - ICPC 2021</i> , Virtual, 18-22 May 2021, pp 1-12, (ISBN: 9781665414036,9781665414043). #KABIR Md Alamgir, KEUNG Wai Jacky, BENNIN Kwabena Ebo, #ZHANG Miao, "A Drift Propensity Detection Technique to Improve the Performance for Cross-Version Software Defect Prediction", <i>Proceedings - 2020 IEEE 44th Annual Computers, Software, and Applications Conference (COMPSAC 2020)</i> , Virtual, Madrid, Spain, 13-17 July 2020, pp 882-891, (ISBN: 9781728173030). #YANG Zhen, KEUNG Wai Jacky, #ZHANG Miao, XIAO Yan, HUANG Yangyang, HUI Tik, "Smart Contracts Vulnerability Auditing With Multi-Semantics", <i>Proceedings - 2020 IEEE 44th Annual Computers, Software, and Applications Conference, COMPSAC 2020</i> , Virtual, Madrid, Spain, 13-17 July 2020, pp 892-901, (ISBN: 978-1-7281-7303-0,978-1-7281-7304-7).
<b>ZHANG Qi</b>	#ZHANG Qi, LIN Wei, CHAN Antoni Bert, "Cross-View Cross-Scene Multi-View Crowd Counting", <i>Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i> , Virtual, 19-25 June 2021, pp 557-567.
<b>ZHANG Qijian</b>	#ZHANG Qijian, CONG Runmin, HOU Junhui, LI Chongyi, ZHAO Yao, "CoADNet: Collaborative Aggregation-and-Distribution Networks for Co-Salient Object Detection", <i>NeurIPS Proceedings</i> , Virtual, Vancouver, Canada, 06-12 December 2020.
<b>ZHANG Ruilong</b>	DAMERIUS Christoph, KLING Peter, LI Minming, SCHNEIDER Florian, #ZHANG Ruilong, "Improved Scheduling with a Shared Resource via Structural Insights", <i>Combinatorial Optimization and Applications - 14th International Conference, COCOA 2020, Proceedings</i> , Virtual, Dallas, United States, 11-13 December 2020, pp 168-182, (ISBN: 978-3-030-64842-8,978-3-030-64843-5).
<b>ZHANG Shixiong</b>	WONG Hiu-Man, #CHEN Xingjian, #TAM Hiu Hin, #LIN Jiecong, #ZHANG Shixiong, YAN Shankai, LI Xiangtao, WONG Ka Chun, "Feature Selection and Feature Extraction: Highlights", <i>ISMSI 2021 - 2021 5th International Conference on Intelligent Systems, Metaheuristics and Swarm Intelligence</i> , Virtual, Online, Seychelles, 10-11 April 2021, pp 49-53, (ISBN: 978-1-4503-8967-9).
<b>ZHANG Tiantian</b>	#ZHANG Tiantian, CHOW Chi Yin, ZHANG Jiadong, "Fish Image Instance Segmentation: An Enhanced Hybrid Task Cascade Approach", <i>Proceedings - 2021 IEEE 15th International Conference on Semantic Computing - ICSC 2021</i> , Virtual, Laguna Hills, United States, 27-29 January 2021, pp 306-313, (ISBN: 9781728188997,9781728189000).

Section A: Publications of PhD Students

<b>ZHAO Nanxuan</b>	#ZHAO Nanxuan, WU Zhirong, LAU Rynson W H, LIN Stephen, "What Makes Instance Discrimination Good for Transfer Learning?", <i>The Ninth International Conference on Learning Representations (ICLR 2021)</i> , Virtual conference , 03-07 May 2021.
	#ZHAO Nanxuan, WU Zhirong, LAU Rynson W H, LIN Stephen, "Distilling Localization for Self-Supervised Representation Learning", <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , Virtual, 02-09 February 2021, pp 10990-10998, (ISBN: 978-1-57735-866-4).
<b>ZHOU Anxin</b>	#DU Yuefeng, #DUAN Huayi, #ZHOU Anxin, WANG Cong, AU Man Ho, WANG Qian, "Towards Privacy-assured and Lightweight On-chain Auditing of Decentralized Storage", <i>Proceedings - 2020 IEEE 40<sup>th</sup> International Conference on Distributed Computing Systems - ICDCS 2020</i> , Online conference , Singapore, 29 November - 01 December 2020, pp 201-211, (ISBN: 9781728170022,9781728170039).
	#CAI Chengjun, XU Lei, #ZHOU Anxin, WANG Ruochen, WANG Cong, WANG Qian, "EncELC: Hardening and Enriching Ethereum Light Clients with Trusted Enclaves", <i>IEEE INFOCOM 2020 - IEEE Conference on Computer Communications</i> , Virtual, Toronto, Canada, 06-09 July 2020, pp 1887-1896, (ISBN: 978-1-7281-6412-0).
<b>ZHU Bin</b>	HAO Yanbin, LIU Zi-Niu, ZHANG Hao, #ZHU Bin, CHEN Jingjing, JIANG Yugang, NGO Chong Wah, "Person-level Action Recognition in Complex Events via TSD-TSM Networks", <i>MM '20 - Proceedings of the 28th ACM International Conference on Multimedia</i> , Virtual, Seattle, United States, 12-16 October 2020, pp 4699-4702, (ISBN: 9781450379885).
	#ZHU Bin, NGO Chong Wah, CHEN Jingjing, "Cross-domain Cross-modal Food Transfer", <i>MM '20 - Proceedings of the 28th ACM International Conference on Multimedia</i> , Virtual, Seattle, United States, 12-16 October 2020, pp 3762-3770, (ISBN: 9781450379885).
<b>ZHU Zhiyu</b>	LI Sijue, PENG Gaoliang, MAO Daoyong, #ZHU Zhiyu, JI Mengyu, CHEN Yuanhang, "Intelligent Fault Diagnosis Using Limited Data Under Different Working Conditions Based on SEflow Model and Data Augmentation", <i>Advances in Intelligent Information Hiding and Multimedia Signal Processing - Proceeding of the 16th International Conference on IHMSP in Conjunction with the 13th International Conference on FITAT</i> , Ho Chi Minh City, Viet Nam, 05-07 November 2020, pp 475-484, (ISBN: 9789813364196,9789813364202).
	#ZENG Yiming, #QIAN Yue, #ZHU Zhiyu, HOU Junhui, YUAN Hui, HE Ying, "CorrNet3D: Unsupervised End-to-end Learning of Dense Correspondence for 3D Point Clouds", <i>IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2021</i> , Virtual, 19-25 June 2021, pp 6052-6061.
<b>Creative and literary works, consulting reports and case studies</b>	
<b>WAN Hu</b>	<p>#ZHANG Yujia, #WAN Hu, Artist, "Dream of Happiness", Apart from convenience, what advancement in digital technology has brought us is a set of standards in life. Take moods for example, only happiness is considered as the ultimate goal to achieve, while other feelings are inefficient or useless. However, since when should we be so dependent on the technology to tell us what is good and what is not? If we can no longer take charge of our own emotions, what can we really take charge of?</p> <p>Our artwork "Dream of Happiness" features this standardized dream that digital technology has enforced on our emotions. It starts from a picture being taken. While waiting for the analyzed result of the facial expression's detailed components, an animation symbolizing the standardization process is being played. We can see how eight basic emotions, happiness, sadness, anger, contempt, surprise, neutral, disgust, and fear, come into being, as in well-designed shapes mimicking the DNA. Before that, an emotional wheel is designed and calculated by counting words that belongs to the category. And according to the emotional wheel, the atoms are first one or two alphabets of the words, forming hexagon rings. Last but not least, we can witness the process of happiness eats all the other emotions. After waking up from the dream, the real analyzing result is presented.</p> <p>If we force ourselves to wake up from the standardized dream created by digital technology, what should we finally believe? What should we do? Where should we go? Technology has been so incorporated into our lives that we have to consider how to live without it. , System Dreams, City University of Hong Kong, Hong Kong, China, 10-20 June 2021.</p>
<b>Patents, agreements, assignments and companies</b>	

## Section A: Publications of PhD Students

<b>ZHANG Qi</b>	<u>CHAN Antoni Bert</u> , #ZHANG Qi, System and Method for Counting Objects, Patent No.: US11,048,948, United States, 29 June 2021.
<b>All other outputs</b>	
<b>CAI Chengjun</b>	#CAI Chengjun, <i>Towards Secure and Decentralized Data-driven Applications</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 12 May 2021.
<b>CAI Huimin</b>	#CAI Huimin, <i>Deep Sequencing and Bioinformatic Analyses Shed Light on Endosymbiotic Evolution in Kleptoplastic Systems</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 01 June 2021.
<b>CHEN Junyi</b>	#CHEN Junyi, <i>Artificial Intelligence Methods for Pharmacogenomics Studies</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 14 August 2020.
<b>CHEN Lingxi</b>	#CHEN Lingxi, <i>Algorithm and Platform for Cancer Single Cell DNA</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 23 September 2020.
<b>CHEN Yangbin</b>	#CHEN Yangbin, <i>Meta-Learning in Smart Voice Control Systems</i> , PhD Thesis, Department of Computer Science, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 23 December 2020.
<b>CRUZ GOMEZ Sergio Rodolfo</b>	#CRUZ GOMEZ Sergio Rodolfo, <i>Hand Disambiguation in the Egocentric Perspective</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 29 September 2020.
<b>CUI Yufei</b>	#CUI Yufei, <i>Efficient Uncertainty Estimation and Model Compression in Deep Neural Networks</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 11 June 2021.
<b>DUAN Huayi</b>	#DUAN Huayi, <i>High-Performance Secure Network Appliances: A Hardware-Assisted Approach</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 08 September 2020.
<b>HANG Ching Nam</b>	#HANG Ching Nam, Certificate of Merit, The Hong Kong ICT Awards 2020: Student Innovation (Post-Secondary and Undergraduate), Under the supervision of Dr Tan Chee-wei, Associate Professor at CS, Hang Ching-nam, a PhD student, won the Certificate of Merit of The Hong Kong ICT Awards 2020: Student Innovation (Post-Secondary and Undergraduate) for his final-year project titled "Large Graph Mining: Subgraph Isomorphism", Hong Kong Information & Communications Technology (HKICT) Awards, 2020.
<b>HE Zhixiang</b>	#HE Zhixiang, <i>Urban Traffic Predictions Based on Spatio-Temporal Neural Networks</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 04 September 2020.
<b>HUI Yan Keung</b>	#HUI Yan Keung, <i>Learning Analytics: Extending the Learning Engagement Beyond Classroom</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 18 May 2021.
<b>JIANG Yiqi</b>	#JIANG Yiqi, <i>Application of Bioinformatics Methods in Human Gut Microbiome Sequencing Data</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 15 June 2021.
<b>LI Chen</b>	#LI Chen, <i>Horizontal Gene Transfer in Human Gut Microbiota</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 21 October 2020.
<b>LI Genghui</b>	#LI Genghui, <i>Surrogate Model-assisted Evolutionary Algorithms and Their Applications</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 11 June 2021.
<b>LI Hua</b>	#LI Hua, <i>Study on Image Superpixel Segmentation Algorithms based on Structure Optimization</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 02 February 2021.
<b>LI Jiankang</b>	#LI Jiankang, <i>Pathogenic Mutation Detection and Analysis of NGS Sequencing Data for Several Ophthalmic Diseases</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 10 June 2021.
	#LI Jiankang, Outstanding Academic Performance Award (OAPA) 2019-2020, 25 August 2020.

Section A: Publications of PhD Students

<b>LI Ning</b>	# <u>LI Ning</u> , <i>Semi-Supervised Learning for Aspect-Based Sentiment Analysis</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 10 March 2021.
<b>LI Qiao</b>	# <u>LI Qiao</u> , <i>Reliability and Performance Optimization on NAND Flash Memory</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 08 February 2021.
<b>LI Rui</b>	# <u>LI Rui</u> , <i>Deep Unsupervised Domain Adaptation and its Application to Generative Models</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 20 August 2020.
<b>LI Yinhu</b>	# <u>LI Yinhu</u> , <i>Applying Gut Microbiome Analysis to Study Some Diseases</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 28 June 2021.
<b>LIANG Yu</b>	# <u>LIANG Yu</u> , <i>Cross-layer I/O Stack Optimization for Mobile Devices</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 10 March 2021.
<b>LIN Xi</b>	# <u>LIN Xi</u> , <i>Pareto Multi-Task Learning and Its Applications</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 21 September 2020.
<b>LIU Fei</b>	# <u>LIU Fei</u> , # <u>ZHU Qingling</u> , GOLD PRIZE of Track 1 in EMO 2021 HUAWEI LOGISTICS COMPETITION, Gold prize with USD 5,000 in track one of the Logistics Algorithm Competition organized by Huawei Technologies Ltd. in the 11th International Conference on Evolutionary Multi-Criterion Optimization (EMO 2021). This 3-month competition attracted over 110 teams to develop and test their methods on the real-world dataset., 31 March 2021.
<b>LIU Yang</b>	# <u>LIU Yang</u> , <i>Human Behavior Sensing and Understanding with Sparse Wearable Sensors</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 19 August 2020.
<b>MEN Qianhui</b>	# <u>MEN Qianhui</u> , <i>Learning of Spatial and Temporal Representations for Human Motion Understanding</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 06 May 2021.
<b>NGUYEN Phuong Anh</b>	# <u>NGUYEN Phuong Anh</u> , <i>Interactive Video Retrieval</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 20 August 2020.
<b>POBEE Ernest Bota</b>	# <u>POBEE Ernest Bota</u> , <i>Efficient Deterministic Record and Replay of Multithreaded Programs</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 26 May 2021.
<b>QIAO Xiaotian</b>	# <u>QIAO Xiaotian</u> , <i>Layout Modeling for Image and Graphic Design Understanding</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 04 September 2020.
<b>WANG Jiasen</b>	# <u>WANG Jiasen</u> , <i>Planning and Control for Autonomous Vehicle Systems Based on Collaborative Neurodynamic Optimization</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 03 September 2020.
<b>WANG Luning</b>	# <u>WANG Luning</u> , <i>Data Recovery Based on Matrix Completion</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 20 August 2020.
<b>WANG Xinyu</b>	# <u>WANG Xinyu</u> , <i>Towards Secure and Private Modern Web Applications</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 18 March 2021.
<b>WEI Xuekai</b>	# <u>WEI Xuekai</u> , <i>Rate Control and Transmission Optimization for Dynamic Adaptive Streaming</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 10 November 2020.
<b>WU Chao</b>	# <u>WU Chao</u> , <i>On Intelligent Storage Stack</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 20 August 2020.
<b>WU Xiaorui</b>	# <u>WU Xiaorui</u> , <i>Accelerating Large Scale Training and Inference for Deep Learning</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 25 September 2020.
<b>XU Ke</b>	# <u>XU Ke</u> , <i>Physical Prior Based Representation Learning for Image Enhancement</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 23 March 2021.

Section A: Publications of PhD Students

<b>YANG Shujun</b>	# <u>YANG Shujun</u> , <i>Semi-supervised Learning for Hyperspectral Image Classification</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 14 August 2020.
<b>YU Xiao</b>	# <u>YU Xiao</u> , <i>Research on Methods of Ranking-Oriented Software Defect Prediction</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 22 December 2020.
<b>ZHANG Qi</b>	# <u>ZHANG Qi</u> , <i>Wide-Area Crowd Counting via Deep Learning Based Multi-View Fusion</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 26 February 2021.
<b>ZHANG Shixiong</b>	# <u>ZHANG Shixiong</u> , <i>High-Throughput Biomolecular Data Representation and Clustering</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 24 August 2020.
<b>ZHAO Nanxuan</b>	# <u>ZHAO Nanxuan</u> , <i>Computational Perception for Graphic Design and Elements Generation</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 04 September 2020.
<b>ZHENG Quanlong</b>	# <u>ZHENG Quanlong</u> , <i>Auxiliary Knowledge-based Learning for Visual Saliency, Shadow Detection and Reflection Removal</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 04 September 2020.
<b>ZHONG Chaofang</b>	# <u>ZHONG Chaofang</u> , <i>Microbiome Big Data Research towards Species Diversity and Heterogeneity Analysis</i> , PhD Thesis, Department of Computer Science, City University of Hong Kong, Hong Kong, PRC, 21 June 2021.
<b>ZHU Qingling</b>	# <u>LIU Fei</u> , # <u>ZHU Qingling</u> , GOLD PRIZE of Track 1 in EMO 2021 HUAWEI LOGISTICS COMPETITION, Gold prize with USD 5,000 in track one of the Logistics Algorithm Competition organized by Huawei Technologies Ltd. in the 11th International Conference on Evolutionary Multi-Criterion Optimization (EMO 2021). This 3-month competition attracted over 110 teams to develop and test their methods on the real-world dataset., 31 March 2021.
<b>DEPARTMENT OF ELECTRICAL ENGINEERING</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>CHA Ersi</b>	# <u>CHA Ersi</u> , <u>LEUNG Chi Sing Andrew</u> , <u>WONG Wing Ming Eric</u> , "Convergence of Mini-Batch Learning for Fault Aware RBF Networks", <i>Neural Information Processing - 27th International Conference, ICONIP 2020, Bangkok, Thailand, November 18–22, 2020, Proceedings, Part V</i> , Vol Part V, Chan Jonathan H. , King Irwin, Kwok James T., Leung Andrew Chi-Sing, Pasupa Kitsuchart and Yang Haiqin (eds), Springer, Cham, ISBN: 978-3-030-63822-1,978-3-030-63823-8, 17 November 2020, pp 545-553.
<b>CHOWDHURY Mehdi Hasan</b>	# <u>CHOWDHURY Mehdi Hasan</u> , <u>CHEUNG Chak Chung Ray</u> , "Reconfigurable Computing and Hardware Acceleration in Health Informatics", <i>Signal Processing Techniques for Computational Health Informatics</i> , Ahad Md Atiqur Rahman and Ahmed Mosabber Uddin (eds), Springer, Cham, ISBN: 978-3-030-54931-2,978-3-030-54932-9, Switzerland, 08 October 2020, pp 209-229.
<b>LU Wenhao</b>	# <u>LU Wenhao</u> , <u>LEUNG Chi Sing Andrew</u> , <u>SUM John Pui-Fai</u> , "Analysis on the Boltzmann Machine with Random Input Drifts in Activation Function", <i>Neural Information Processing - 27th International Conference, ICONIP 2020, Bangkok, Thailand, November 23–27, 2020, Proceedings, Part III</i> , Vol Part III, Chan Jonathan H. , King Irwin, Kwok James T., Leung Andrew Chi-Sing, Pasupa Kitsuchart and Yang Haiqin (eds), Springer, Cham, ISBN: 978-3-030-63835-1,978-3-030-63836-8, 19 November 2020, pp 162-171.
<b>SHI Zhanglei</b>	# <u>SHI Zhanglei</u> , <u>WANG Hao</u> , <u>LEUNG Chi Sing Andrew</u> , <u>SUM John Pui-Fai</u> , "Constrained Center Loss for Image Classification", <i>Neural Information Processing - 27th International Conference, ICONIP 2020, Bangkok, Thailand, November 18–22, 2020, Proceedings, Part V</i> , Vol Part V, Chan Jonathan H., King Irwin, Kwok James T., Leung Andrew Chi-Sing, Pasupa Kitsuchart and Yang Haiqin (eds), Springer, Cham, ISBN: 978-3-030-63822-1,978-3-030-63823-8, 17 November 2020, pp 70-78.
<b>Journal publications</b>	



Section A: Publications of PhD Students

<b>ADEGOKE Muideen Adeniyi</b>	#ADEGOKE Muideen Adeniyi, #WONG Hiu Tung, LEUNG Chi Sing Andrew, "A Fault Aware Broad Learning System for Concurrent Network Failure Situations", <i>IEEE Access</i> , 9, 17 March 2021, pp 46129-46142, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3066217">https://doi.org/10.1109/ACCESS.2021.3066217</a> .
<b>AGADAGBA Stephen Kugbere</b>	#AGADAGBA Stephen Kugbere, CHAN L H Leanne, "Modulation of narrowband and broadband gamma connectivity in retinal degeneration mice according to electrical stimulation pulse width", <i>HKIE Transactions</i> , 27(4), 11 January 2021, pp 148-155, doi: <a href="https://doi.org/10.33430/V27N4THIE-2020-0006">https://doi.org/10.33430/V27N4THIE-2020-0006</a> .
	#AGADAGBA Stephen Kugbere, LI Xin, CHAN L H Leanne, "Excitation of the Pre-frontal and Primary Visual Cortex in Response to Transcorneal Electrical Stimulation in Retinal Degeneration Mice", <i>Frontiers in Neuroscience</i> , 14, 09 October 2020, doi: <a href="https://doi.org/10.3389/fnins.2020.572299">https://doi.org/10.3389/fnins.2020.572299</a> .
<b>BEGUM Habiba</b>	#QIAN Jingui, #BEGUM Habiba, #SONG Yuxin, LEE En-yuan Joshua, "Plug-and-play acoustic tweezer enables droplet centrifugation on silicon superstrate with surface multi-layered microstructures", <i>Sensors and Actuators A: Physical</i> , 321, 11 November 2020, doi: <a href="https://doi.org/10.1016/j.sna.2020.112432">https://doi.org/10.1016/j.sna.2020.112432</a> .
	#BEGUM Habiba, #QIAN Jingui, LEE En-yuan Joshua, "Piezoelectric Elliptical Plate Micromechanical Resonator with Low Motional Resistance for Resonant Sensing in Liquid", <i>IEEE Sensors Journal</i> , 21(6), 25 December 2020, pp 7339-7347, doi: <a href="https://doi.org/10.1109/JSEN.2020.3047535">https://doi.org/10.1109/JSEN.2020.3047535</a> .
<b>BI Xiaowen</b>	#BI Xiaowen, CHIPPERFIELD Andrew John, TANG Kit Sang Wallace, "Coordinating Electric Vehicle Flow Distribution and Charger Allocation by Joint Optimization", <i>IEEE Transactions on Industrial Informatics</i> , 15 February 2021, doi: <a href="https://doi.org/10.1109/TII.2021.3059288">https://doi.org/10.1109/TII.2021.3059288</a> .
<b>CAO Jianfeng</b>	#CAO Jianfeng, GUAN Guoye, HO Vincy Wing Sze, WONG Ming-Kin, CHAN Lu-Yan, TANG Chao, ZHAO Zhongying, YAN Hong, "Establishment of a morphological atlas of the <i>Caenorhabditis elegans</i> embryo using deep-learning-based 4D segmentation", <i>Nature Communications</i> , 11, 07 December 2020, doi: <a href="https://doi.org/10.1038/s41467-020-19863-x">https://doi.org/10.1038/s41467-020-19863-x</a> .
<b>CHEN Zhaoxi</b>	#ZHANG Ke, #CHEN Zhaoxi, #FENG Hanke, WONG Wing Han Polis, PUN Yue Bun Edwin, WANG Cheng, "High-Q lithium niobate microring resonators using lift-off metallic masks [Invited]", <i>Chinese Optics Letters</i> , 19(6), 08 May 2021.
	#CHEN Zhaoxi, XU Qing, #ZHANG Ke, WONG Wing Han Polis, ZHANG De Long, PUN Yue Bun Edwin, WANG Cheng, "Efficient erbium-doped thin-film lithium niobate waveguide amplifiers", <i>Optics Letters</i> , 46(5), 01 March 2021, pp 1161-1164, doi: <a href="https://doi.org/10.1364/OL.420250">https://doi.org/10.1364/OL.420250</a> .
<b>CHEN Zhen</b>	ZHU Meilu, #CHEN Zhen, YUAN Yixuan, "DSI-Net: Deep Synergistic Interaction Network for Joint Classification and Segmentation with Endoscope Images", <i>IEEE Transactions on Medical Imaging</i> , 25 May 2021, doi: <a href="https://doi.org/10.1109/TMI.2021.3083586">https://doi.org/10.1109/TMI.2021.3083586</a> .
	#CHEN Zhen, #GUO Xiaoqing, WOO Peter Y.M., YUAN Yixuan, "Super-Resolution Enhanced Medical Image Diagnosis with Sample Affinity Interaction", <i>IEEE Transactions on Medical Imaging</i> , 40(5), 28 January 2021, pp 1377-1389, doi: <a href="https://doi.org/10.1109/TMI.2021.3055290">https://doi.org/10.1109/TMI.2021.3055290</a> .
<b>CHENG Yijun</b>	#CHENG Yijun, ZHU Shuyan, PANG Stella W., "Directing Osteoblastic Cell Migration on Arrays of Nanopillars and Nanoholes with Different Aspect Ratios", <i>Lab on a Chip</i> , 21(11), 07 April 2021, pp 2206-2216, doi: <a href="https://doi.org/10.1039/d1lc00104c">https://doi.org/10.1039/d1lc00104c</a> .
<b>CHENG Yiyao</b>	#CHENG Yiyao, LIU Lei, LI Ping, "Orthogonal AMP for Massive Access in Channels with Spatial and Temporal Correlations", <i>IEEE Journal on Selected Areas in Communications</i> , 39(3), 24 August 2020, pp 726-740, doi: <a href="https://doi.org/10.1109/JSAC.2020.3018799">https://doi.org/10.1109/JSAC.2020.3018799</a> .
	#CHENG Yiyao, LIU Lei, LI Ping, "An Integral-Based Approach to Orthogonal AMP", <i>IEEE Signal Processing Letters</i> , 28, 24 December 2020, pp 194-198, doi: <a href="https://doi.org/10.1109/LSP.2020.3047376">https://doi.org/10.1109/LSP.2020.3047376</a> .
<b>CHOWDHURY Mehdi Hasan</b>	#SANKA Abdurrashid Ibrahim, #CHOWDHURY Mehdi Hasan, CHEUNG Chak Chung Ray, "Efficient High-Performance FPGA-Redis Hybrid NoSQL Caching System for Blockchain Scalability", <i>Computer Communications</i> , 169, 27 January 2021, pp 81-91, doi: <a href="https://doi.org/10.1016/j.comcom.2021.01.017">https://doi.org/10.1016/j.comcom.2021.01.017</a> .
	#CHOWDHURY Mehdi Hasan, ELYAHOODAYAN Sahar, SONG Dong, CHEUNG Chak Chung Ray, "An FPGA-Based Neuron Activity Extraction Unit for a Wireless Neural Interface",

Section A: Publications of PhD Students

	<i>Electronics (Switzerland)</i> , 9(11), 03 November 2020, pp 1-13, doi: <a href="https://doi.org/10.3390/electronics9111834">https://doi.org/10.3390/electronics9111834</a> .
<b>DAI Xin</b>	# <a href="#">DAI Xin</a> , <a href="#">LUK Kwai Man</a> , "A Wideband Dual-Polarized Antenna for Millimeter Wave Applications", <i>IEEE Transactions on Antennas and Propagation</i> , 69(4), 16 December 2020, pp 2380-2385, doi: <a href="https://doi.org/10.1109/TAP.2020.3043886">https://doi.org/10.1109/TAP.2020.3043886</a> . # <a href="#">DAI Xin</a> , <a href="#">LI Xun</a> , <a href="#">LUK Kwai Man</a> , "A Planar Wideband Millimeter-Wave Antenna Array With Low Side Lobe Using '±1' Excitations", <i>IEEE Transactions on Antennas and Propagation</i> , 04 May 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3076217">https://doi.org/10.1109/TAP.2021.3076217</a> . # <a href="#">DAI Xin</a> , # <a href="#">LI Ao</a> , <a href="#">LUK Kwai Man</a> , "A Wideband Compact Magneto-Electric Dipole Antenna Fed by SICL for Millimeter Wave Applications", <i>IEEE Transactions on Antennas and Propagation</i> , 24 February 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3060146">https://doi.org/10.1109/TAP.2021.3060146</a> .
<b>DING Chen</b>	YANG Xujun, GE Lei, JI Yuan, ZENG Xierong, LI Yujian, # <a href="#">DING Chen</a> , <a href="#">SUN Jie</a> , <a href="#">LUK Kwai Man</a> , "An Integrated Tri-Band Antenna System With Large Frequency Ratio for WLAN and WiGig Applications", <i>IEEE Transactions on Industrial Electronics</i> , 68(5), May 2021, pp 4529-4540, doi: <a href="https://doi.org/10.1109/TIE.2020.2987289">https://doi.org/10.1109/TIE.2020.2987289</a> . # <a href="#">DING Chen</a> , <a href="#">LUK Kwai Man</a> , "Low-Profile Planar Dielectric Polarizer Using High-Dielectric-Constant Material and Anisotropic Anti-Reflection Layers", <i>IEEE Transactions on Antennas and Propagation</i> , 25 June 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3090847">https://doi.org/10.1109/TAP.2021.3090847</a> .
<b>DONG Jiaxin</b>	# <a href="#">DONG Jiaxin</a> , # <a href="#">RUAN Jingya</a> , # <a href="#">ZHANG Luan</a> , <a href="#">ZHUANG Junping</a> , <a href="#">CHAN Sze Chun</a> , "Stable-unstable switching dynamics in semiconductor lasers with external cavities", <i>Physical Review A</i> , 103(5), 28 May 2021, doi: <a href="https://doi.org/10.1103/PhysRevA.103.053524">https://doi.org/10.1103/PhysRevA.103.053524</a> .
<b>DONG Miaomiao</b>	# <a href="#">DONG Miaomiao</a> , <a href="#">KIM Taejoon</a> , <a href="#">WU Jingjin Timothy</a> , <a href="#">WONG Wing Ming Eric</a> , "Millimeter-Wave Base Station Deployment Using the Scenario Sampling Approach", <i>IEEE Transactions on Vehicular Technology</i> , 69(11), 23 September 2020, pp 14013-14018, doi: <a href="https://doi.org/10.1109/TVT.2020.3026216">https://doi.org/10.1109/TVT.2020.3026216</a> .
<b>ELDALY Abdelrahman Bakr Mohammed Abdelnaby</b>	ABDELKAREEM Mohamed A.A., XU Lin, JING Xingjian, # <a href="#">ELDALY Abdelrahman Bakr Mohammed Abdelnaby</a> , <a href="#">ZOU Junyi</a> , <a href="#">KAMAL AHMED ALI Mohamed</a> , "Field measurements of the harvestable power potentiality of an off-road sport-utility vehicle", <i>Measurement</i> , 179, 22 April 2021, doi: <a href="https://doi.org/10.1016/j.measurement.2021.109381">https://doi.org/10.1016/j.measurement.2021.109381</a> .
<b>FAN Xinqi</b>	# <a href="#">FAN Xinqi</a> , # <a href="#">JIANG Mingjie</a> , <a href="#">YAN Hong</a> , "A Deep Learning Based Light-Weight Face Mask Detector with Residual Context Attention and Gaussian Heatmap to Fight against COVID-19", <i>IEEE Access</i> , 9, 2021, pp 96964-96974, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3095191">https://doi.org/10.1109/ACCESS.2021.3095191</a> .
<b>FANG Junyuan</b>	# <a href="#">FANG Junyuan</a> , <a href="#">WU Jiajing</a> , <a href="#">ZHENG Zibin</a> , <a href="#">TSE Chi Kong</a> , "Revealing Structural and Functional Vulnerability of Power Grids to Cascading Failures", <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 11(1), 22 October 2020, pp 133-143, doi: <a href="https://doi.org/10.1109/JETCAS.2020.3033066">https://doi.org/10.1109/JETCAS.2020.3033066</a> .
<b>FENG Hanke</b>	# <a href="#">ZHANG Ke</a> , # <a href="#">CHEN Zhaoxi</a> , # <a href="#">FENG Hanke</a> , <a href="#">WONG Wing Han Polis</a> , <a href="#">PUN Yue Bun Edwin</a> , <a href="#">WANG Cheng</a> , "High-Q lithium niobate microring resonators using lift-off metallic masks [Invited]", <i>Chinese Optics Letters</i> , 19(6), 08 May 2021.
<b>GAO Liang</b>	# <a href="#">GAO Liang</a> , <a href="#">ZHOU Haifeng</a> , <a href="#">SHUM Kam Man</a> , <a href="#">CHAN Chi Hou</a> , "A 482GHz 2-D Scalable and Wideband Radiator Array", <i>IEEE Microwave and Wireless Components Letters</i> , 31(9), 21 June 2021, pp 1090-1093, doi: <a href="https://doi.org/10.1109/LMWC.2021.3091278">https://doi.org/10.1109/LMWC.2021.3091278</a> . # <a href="#">KONG Shangcheng</a> , <a href="#">SHUM Kam Man</a> , # <a href="#">YANG Chen</a> , # <a href="#">GAO Liang</a> , <a href="#">CHAN Chi Hou</a> , "Wide Impedance-and Gain-Bandwidth Terahertz On-Chip Antenna with Chip-Integrated Dielectric Resonator", <i>IEEE Transactions on Antennas and Propagation</i> , 24 February 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3060060">https://doi.org/10.1109/TAP.2021.3060060</a> .
<b>GHOSH Avirup</b>	# <a href="#">ZHU Mengxu</a> , # <a href="#">GHOSH Avirup</a> , <a href="#">YAN Hong</a> , "Mechanism of Actions of Dexamethasone Against COVID-19 Predicted by Alpha Shape Analysis of Binding Sites", <i>Current Bioinformatics</i> , 16(5), 30 June 2021, pp 682-690, doi: <a href="https://doi.org/10.2174/1574893616666210625164651">https://doi.org/10.2174/1574893616666210625164651</a> .
<b>GUO Chao</b>	# <a href="#">WANG Tianjiao</a> , # <a href="#">WANG Xinyu</a> , <a href="#">WANG Zengfu</a> , # <a href="#">GUO Chao</a> , <a href="#">MORAN Bill</a> , <a href="#">ZUKERMAN Moshe</a> , "Optimal Tree Topology for a Submarine Cable Network With Constrained Internodal Latency", <i>Journal of Lightwave Technology</i> , 39(9), 04 February 2021, pp 2673-2683, doi: <a href="https://doi.org/10.1109/JLT.2021.3057171">https://doi.org/10.1109/JLT.2021.3057171</a> .

Section A: Publications of PhD Students

	# <a href="#">GUO Chao</a> , # <a href="#">XU Kai</a> , <a href="#">SHEN Gangxiang</a> , <a href="#">ZUKERMAN Moshe</a> , "Temperature-Aware Virtual Data Center Embedding to Avoid Hot Spots in Data Centers", <i>IEEE Transactions on Green Communications and Networking</i> , 5(1), 10 August 2020, pp 497-511, doi: <a href="https://doi.org/10.1109/TGCN.2020.3015234">https://doi.org/10.1109/TGCN.2020.3015234</a> .
<b>GUO Liping</b>	# <a href="#">GUO Liping</a> , <a href="#">KOK Chi Wah</a> , <a href="#">SO Hing Cheung</a> , <a href="#">TAM Wing Shan</a> , "Fast and $L_2$ -optimal recovery for periodic nonuniformly sampled bandlimited signal", <i>Signal Processing</i> , 180, 22 October 2020, doi: <a href="https://doi.org/10.1016/j.sigpro.2020.107856">https://doi.org/10.1016/j.sigpro.2020.107856</a> .
<b>GUO Xiaoqing</b>	# <a href="#">GUO Xiaoqing</a> , # <a href="#">YANG Chen</a> , <a href="#">LIU Yajie</a> , <a href="#">YUAN Yixuan</a> , "Learn to Threshold: ThresholdNet with Confidence-Guided Manifold Mixup for Polyp Segmentation", <i>IEEE Transactions on Medical Imaging</i> , 40(4), 23 December 2020, pp 1134-1146, doi: <a href="https://doi.org/10.1109/TMI.2020.3046843">https://doi.org/10.1109/TMI.2020.3046843</a> .
	# <a href="#">GUO Xiaoqing</a> , # <a href="#">LIU Jie</a> , <a href="#">YUAN Yixuan</a> , "Semantic-oriented Labeled-to-unlabeled Distribution Translation for Image Segmentation", <i>IEEE Transactions on Medical Imaging</i> , 01 January 2021, pp 1-1, doi: <a href="https://doi.org/10.1109/TMI.2021.3114329">https://doi.org/10.1109/TMI.2021.3114329</a> .
	# <a href="#">LIU Xinyu</a> , # <a href="#">GUO Xiaoqing</a> , <a href="#">LIU Yajie</a> , <a href="#">YUAN Yixuan</a> , "Consolidated domain adaptive detection and localization framework for cross-device colonoscopic images", <i>Medical Image Analysis</i> , 71, 06 April 2021, doi: <a href="https://doi.org/10.1016/j.media.2021.102052">https://doi.org/10.1016/j.media.2021.102052</a> .
	# <a href="#">YANG Chen</a> , # <a href="#">GUO Xiaoqing</a> , <a href="#">ZHU Meilu</a> , <a href="#">IBRAGIMOV Bulat</a> , <a href="#">YUAN Yixuan</a> , "Mutual-Prototype Adaptation for Cross-Domain Polyp Segmentation", <i>IEEE Journal of Biomedical and Health Informatics</i> , 04 May 2021, doi: <a href="https://doi.org/10.1109/JBHI.2021.3077271">https://doi.org/10.1109/JBHI.2021.3077271</a> .
	# <a href="#">CHEN Zhen</a> , # <a href="#">GUO Xiaoqing</a> , <a href="#">WOO Peter Y.M.</a> , <a href="#">YUAN Yixuan</a> , "Super-Resolution Enhanced Medical Image Diagnosis with Sample Affinity Interaction", <i>IEEE Transactions on Medical Imaging</i> , 40(5), 28 January 2021, pp 1377-1389, doi: <a href="https://doi.org/10.1109/TMI.2021.3055290">https://doi.org/10.1109/TMI.2021.3055290</a> .
<b>GUO Xiaoyu</b>	# <a href="#">GUO Xiaoyu</a> , <a href="#">LIU Mei</a> , <a href="#">ZHAO Qinglin</a> , <a href="#">HU Bin</a> , <a href="#">LU Huiyan</a> , <a href="#">JIN Long</a> , "Saturation-Allowed Zeroing Neural Networks activated by Various Functions for Time-varying Quadratic Programming", <i>Filomat</i> , 34(15), 27 November 2020, pp 5149-5157, doi: <a href="https://doi.org/10.2298/FIL2015149G">https://doi.org/10.2298/FIL2015149G</a> .
<b>HAN Zeyu</b>	# <a href="#">HAN Zeyu</a> , <a href="#">JIA Qiang</a> , <a href="#">TANG Kit Sang Wallace</a> , "Second-order consensus in multi-agent systems with nonlinear dynamics and intermittent control", <i>International Journal of Systems Science</i> , 51(12), 18 July 2020, pp 2192-2203, doi: <a href="https://doi.org/10.1080/00207721.2020.1793229">https://doi.org/10.1080/00207721.2020.1793229</a> .
	<a href="#">BRAM Andrew K.</a> , # <a href="#">HAN Zeyu</a> , <a href="#">JIA Qiang</a> , "Synchronization of drive-response networks with event-based pinning control", <i>Neural Computing and Applications</i> , 03 January 2021, doi: <a href="https://doi.org/10.1007/s00521-020-05619-7">https://doi.org/10.1007/s00521-020-05619-7</a> .
<b>HE Jiajun</b>	# <a href="#">HE Jiajun</a> , <a href="#">SO Hing Cheung</a> , "A Hybrid TDOA-Fingerprinting-Based Localization System for LTE Network", <i>IEEE Sensors Journal</i> , 20(22), 15 November 2020, pp 13653-13665, doi: <a href="https://doi.org/10.1109/JSEN.2020.3004179">https://doi.org/10.1109/JSEN.2020.3004179</a> .
<b>HE Liangjun</b>	# <a href="#">LI Binghui</a> , <a href="#">CHAN Hau Ping Andy</a> , <a href="#">RONY Kazi Tanvir Ahmmed</a> , # <a href="#">HE Liangjun</a> , <a href="#">ZHU Shuyan</a> , <a href="#">WU Qiang</a> , "High-sensitivity magnetic sensor based on the evanescent scattering by a magnetorheological film", <i>Optics Letters</i> , 45(24), 08 December 2020, pp 6643-6646, doi: <a href="https://doi.org/10.1364/OL.411542">https://doi.org/10.1364/OL.411542</a> .
<b>HE Yaodong</b>	<a href="#">LOU Yang</a> , # <a href="#">HE Yaodong</a> , <a href="#">WANG Lin</a> , <a href="#">TSANG Kim Fung</a> , <a href="#">CHEN Guanrong</a> , "Knowledge-Based Prediction of Network Controllability Robustness", <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 16 April 2021, doi: <a href="https://doi.org/10.1109/TNNLS.2021.3071367">https://doi.org/10.1109/TNNLS.2021.3071367</a> .
	<a href="#">LOU Yang</a> , # <a href="#">HE Yaodong</a> , <a href="#">WANG Lin</a> , <a href="#">CHEN Guanrong</a> , "Predicting Network Controllability Robustness: A Convolutional Neural Network Approach", <i>IEEE Transactions on Cybernetics</i> , 09 September 2020, doi: <a href="https://doi.org/10.1109/TCYB.2020.3013251">https://doi.org/10.1109/TCYB.2020.3013251</a> .
<b>HE Yaqing</b>	# <a href="#">HE Yaqing</a> , <a href="#">TSANG Kim Fung</a> , <a href="#">KONG Yuen Chong Richard</a> , <a href="#">CHOW Yuk Tak</a> , "Indication of Electromagnetic Field Exposure via RBF-SVM Using Time-Series Features of Zebrafish Locomotion", <i>Sensors (Basel, Switzerland)</i> , 20(17), 26 August 2020, doi: <a href="https://doi.org/10.3390/s20174818">https://doi.org/10.3390/s20174818</a> .
<b>HU Haotao</b>	# <a href="#">HU Haotao</a> , <a href="#">CHAN Chi Hou</a> , "Substrate-Integrated-Waveguide-Fed Wideband Filtering Antenna for Millimeter-Wave Applications", <i>IEEE Transactions on Antennas and Propagation</i> , 02 June 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3083777">https://doi.org/10.1109/TAP.2021.3083777</a> .

Section A: Publications of PhD Students

	#HU Haotao, CHEN Baojie, CHAN Chi Hou, "A Transparent Proximity-Coupled-Fed Patch Antenna with Enhanced Bandwidth and Filtering Response", <i>IEEE Access</i> , 9, 22 February 2021, pp 32774-32780, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3061203">https://doi.org/10.1109/ACCESS.2021.3061203</a> .
<b>HUANG Haoxin</b>	ZHOU Zhan, WANG Xianwen, ZHANG Hui, #HUANG Haoxin, SUN Lina, MA Lu, DU Yonghua, PEI Chengjie, ZHANG Qinghua, LI Hai, MA Lufang, GU Lin, LIU Zhuang, CHENG Liang, TAN Chaoliang, "Activating Layered Metal Oxide Nanomaterials via Structural Engineering as Biodegradable Nanoagents for Photothermal Cancer Therapy", <i>Small</i> , 17(12), 16 February 2021, doi: <a href="https://doi.org/10.1002/sml.202007486">https://doi.org/10.1002/sml.202007486</a> . #HUANG Haoxin, #ZHA Jiajia, LI Shisheng, TAN Chaoliang, "Two-dimensional alloyed transition metal dichalcogenide nanosheets: Synthesis and applications", <i>Chinese Chemical Letters</i> , 09 June 2021, doi: <a href="https://doi.org/10.1016/j.ccl.2021.06.004">https://doi.org/10.1016/j.ccl.2021.06.004</a> .
<b>HUANG Weipei</b>	#HUANG Weipei, CHEUNG Chak Chung Ray, YAN Hong, "An Efficient Parallel Processor for Dense Tensor Computation", <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 29(7), 27 May 2021, pp 1335-1347, doi: <a href="https://doi.org/10.1109/TVLSI.2021.3080318">https://doi.org/10.1109/TVLSI.2021.3080318</a> .
<b>IRFAN Muhammad</b>	#SANKA Abdurrashid Ibrahim, #IRFAN Muhammad, HUANG Ian, CHEUNG Chak Chung Ray, "A survey of breakthrough in blockchain technology: Adoptions, applications, challenges and future research", <i>Computer Communications</i> , 169, 30 January 2021, pp 179-201, doi: <a href="https://doi.org/10.1016/j.comcom.2020.12.028">https://doi.org/10.1016/j.comcom.2020.12.028</a> .
<b>JIANG Mingjie</b>	#FAN Xinqi, #JIANG Mingjie, YAN Hong, "A Deep Learning Based Light-Weight Face Mask Detector with Residual Context Attention and Gaussian Heatmap to Fight against COVID-19", <i>IEEE Access</i> , 9, 2021, pp 96964-96974, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3095191">https://doi.org/10.1109/ACCESS.2021.3095191</a> .
<b>JIANG Wenfan</b>	ZHANG Yuan, #JIANG Wenfan, CHEN Ming-Yang, "Numerical investigation of bend insensitive multicore optical fibers", <i>Optical Engineering</i> , 60(6), 17 June 2021, doi: <a href="https://doi.org/10.1117/1.OE.60.6.066109">https://doi.org/10.1117/1.OE.60.6.066109</a> .
<b>KONG Shangcheng</b>	#KONG Shangcheng, SHUM Kam Man, #YANG Chen, #GAO Liang, CHAN Chi Hou, "Wide Impedance-and Gain-Bandwidth Terahertz On-Chip Antenna with Chip-Integrated Dielectric Resonator", <i>IEEE Transactions on Antennas and Propagation</i> , 24 February 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3060060">https://doi.org/10.1109/TAP.2021.3060060</a> .
<b>KREMER Hauke Ingolf</b>	#KREMER Hauke Ingolf, LEUNG Kwok Wa, LEE Wai Ki, "Compact Wideband Low-Profile Single-and Dual-Polarized Dielectric Resonator Antennas Using Dielectric and Air Vias", <i>IEEE Transactions on Antennas and Propagation</i> , 17 June 2021, doi: <a href="https://doi.org/10.1109/tap.2021.3088575">https://doi.org/10.1109/tap.2021.3088575</a> . #KREMER Hauke Ingolf, LEUNG Kwok Wa, WONG Wai Cheung, LO Kam Wing Kenneth, LEE Wai Ki, "Design of Dielectric Resonator Antenna Using Dielectric Paste", <i>Sensors</i> , 21(12), 12 June 2021, doi: <a href="https://doi.org/10.3390/s21124058">https://doi.org/10.3390/s21124058</a> . #KREMER Hauke Ingolf, LEUNG Kwok Wa, LEE Wai Ki, "Design of Substrate Integrated Dielectric Resonator Antenna With Dielectric Vias", <i>IEEE Transactions on Antennas and Propagation</i> , 24 February 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3060054">https://doi.org/10.1109/TAP.2021.3060054</a> .
<b>LAU Kin Wai</b>	#YU Wing Yin, PO Lai Man, #ZHAO Yuzhi, #ZHANG Yujia, #LAU Kin Wai, "FEANet: Foreground-edge-aware network with DenseASPOC for human parsing", <i>Image and Vision Computing</i> , 109, 01 March 2021, doi: <a href="https://doi.org/10.1016/j.imavis.2021.104145">https://doi.org/10.1016/j.imavis.2021.104145</a> .
<b>LEUNG Ho Chun</b>	#LEUNG Ho Chun, #WANG Zhenni, HO Tze Yui, LEUNG Chi Sing Andrew, WONG Wing Ming Eric, "All Frequency Direct Illumination Using Visibility Correspondence Generated With Spherical Voronoi Diagrams", <i>IEEE Access</i> , 9, 28 May 2021, pp 81296-81313, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3084611">https://doi.org/10.1109/ACCESS.2021.3084611</a> .
<b>LI Ao</b>	SUN Jie, #LI Ao, LUK Kwai Man, "A High-Gain Millimeter-Wave Magnetolectric Dipole Array With Packaged Microstrip Line Feed Network", <i>IEEE Antennas and Wireless Propagation Letters</i> , 19(10), 03 August 2020, pp 1669-1673, doi: <a href="https://doi.org/10.1109/LAWP.2020.3013670">https://doi.org/10.1109/LAWP.2020.3013670</a> . #LI Ao, LUK Kwai Man, "Ultra-Wideband End-Fire Long-Slot-Excited Phased Array for Millimeter-Wave Applications", <i>IEEE Transactions on Antennas and Propagation</i> , 69(6), 18 November 2020, pp 3284-3293, doi: <a href="https://doi.org/10.1109/TAP.2020.3037671">https://doi.org/10.1109/TAP.2020.3037671</a> .

## Section A: Publications of PhD Students

	#DAI Xin, #LI Ao, LUK Kwai Man, "A Wideband Compact Magneto-Electric Dipole Antenna Fed by SICL for Millimeter Wave Applications", <i>IEEE Transactions on Antennas and Propagation</i> , 24 February 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3060146">https://doi.org/10.1109/TAP.2021.3060146</a> .
LI Binghui	RONY Kazi Tanvir Ahmmed, CHAN Hau Ping Andy, #LI Binghui, "Multi-Function Mode Processing Device for Mode Division Multiplexing Optical Networks", <i>IEEE Photonics Technology Letters</i> , 33(2), 01 December 2020, pp 101-104, doi: <a href="https://doi.org/10.1109/LPT.2020.3041627">https://doi.org/10.1109/LPT.2020.3041627</a> .
	RONY Kazi Tanvir Ahmmed, CHAN Hau Ping Andy, #LI Binghui, "Scalable selective high order mode pass filter architecture with asymmetric directional couplers", <i>Optics Express</i> , 28(19), 09 September 2020, pp 28465-28478, doi: <a href="https://doi.org/10.1364/OE.402751">https://doi.org/10.1364/OE.402751</a> .
	RONY Kazi Tanvir Ahmmed, CHAN Hau Ping Andy, #LI Binghui, "Three-mode multiplexer and demultiplexer based on the Mach-Zehnder interferometer", <i>OSA CONTINUUM</i> , 4(5), 15 May 2021, pp 1519-1532, doi: <a href="https://doi.org/10.1364/OSAC.418930">https://doi.org/10.1364/OSAC.418930</a> .
	#LI Binghui, CHAN Hau Ping Andy, RONY Kazi Tanvir Ahmmed, #HE Liangjun, ZHU Shuyan, WU Qiang, "High-sensitivity magnetic sensor based on the evanescent scattering by a magnetorheological film", <i>Optics Letters</i> , 45(24), 08 December 2020, pp 6643-6646, doi: <a href="https://doi.org/10.1364/OL.411542">https://doi.org/10.1364/OL.411542</a> .
LI Xiaopeng	LIU Qi, #LI Xiaopeng, CAO Hui, "Two-Dimensional Localization: Low-Rank Matrix Completion With Random Sampling in Massive MIMO System", <i>IEEE Systems Journal</i> , 15(3), 12 August 2020, pp 3628-3631, doi: <a href="https://doi.org/10.1109/JSYST.2020.3012775">https://doi.org/10.1109/JSYST.2020.3012775</a> .
	#LI Xiaopeng, SO Hing Cheung, "Robust Low-rank Tensor Completion based on Tensor Ring Rank via $\ell_{p,\epsilon}$ -norm", <i>IEEE Transactions on Signal Processing</i> , 69, 31 May 2021, pp 3685-3698, doi: <a href="https://doi.org/10.1109/TSP.2021.3085116">https://doi.org/10.1109/TSP.2021.3085116</a> .
	#LIU Zhaofeng, SO Hing Cheung, ZHANG Lin, #LI Xiaopeng, "Robust receiver for OFDM-DCSK modulation via rank-1 modeling and $\ell_p$ -minimization", <i>Signal Processing</i> , 188, 27 June 2021, doi: <a href="https://doi.org/10.1016/j.sigpro.2021.108219">https://doi.org/10.1016/j.sigpro.2021.108219</a> .
	LIU Qi, #LI Xiaopeng, YANG Jicheng, "Optimum Co-Design for Image Denoising between Type-2 Fuzzy Identifier and Matrix Completion Denoiser", <i>IEEE Transactions on Fuzzy Systems</i> , 13 October 2020, doi: <a href="https://doi.org/10.1109/TFUZZ.2020.3030498">https://doi.org/10.1109/TFUZZ.2020.3030498</a> .
LI Yuanlong	#LI Yuanlong, LUK Kwai Man, "A Low-Divergence Circularly Polarized Dual-Mode OAM Antenna Based on Higher-Order Laguerre-Gaussian Modes", <i>IEEE Transactions on Antennas and Propagation</i> , 24 February 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3060028">https://doi.org/10.1109/TAP.2021.3060028</a> .
	#LI Yuanlong, LUK Kwai Man, "Dual Circular Polarizations Generated by Self-Polarizing Fabry-Pérot Cavity Antenna with Loaded polarizer", <i>IEEE Transactions on Antennas and Propagation</i> , 25 June 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3090850">https://doi.org/10.1109/TAP.2021.3090850</a> .
LI Yue	REN Fangying, #LI Yue, PUN Yue Bun Edwin, LIN Hai, "Dual-Feedbacked Temperature Sensing of Er <sup>3+</sup> in Fusiform-Polycrystalline-Implanted BaYF <sub>3</sub> /PAN Electrospun Fibers", <i>Journal of Physical Chemistry C</i> , 125(22), 26 May 2021, pp 12107–12117, doi: <a href="https://doi.org/10.1021/acs.jpcc.1c01673">https://doi.org/10.1021/acs.jpcc.1c01673</a> .
	ZHANG Yan, LIU Zhe, #LI Yue, PUN Yue Bun Edwin, LIN Hai, "Electrospun fibers embedded with microcrystal for optical temperature sensing", <i>Journal of Alloys and Compounds</i> , 855(Part 1), 30 September 2020, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.157410">https://doi.org/10.1016/j.jallcom.2020.157410</a> .
	ZHANG Yan, GAO Zelin, #LI Yue, PUN Yue Bun Edwin, LIN Hai, "The thermo-optic relevance of Ho <sup>3+</sup> in fluoride microcrystals embedded in electrospun fibers", <i>RSC Advances</i> , 10(67), 11 November 2020, pp 41004-41012, doi: <a href="https://doi.org/10.1039/d0ra08696g">https://doi.org/10.1039/d0ra08696g</a> .
	GAO Zelin, #LI Yue, YU Zhimin, PUN Yue Bun Edwin, LIN Hai, "Surface radiation-regulation effect in Eu(BA) <sub>3</sub> Phen doped polyacrylonitrile nanofibers", <i>Dyes and Pigments</i> , 190, 18 March 2021, doi: <a href="https://doi.org/10.1016/j.dyepig.2021.109323">https://doi.org/10.1016/j.dyepig.2021.109323</a> .
LIAO Herui	ZHANG Lu, FANG Xiaodong, #LIAO Herui, ZHANG Zhenmiao, ZHOU Xin, HAN Lijuan, CHEN Yang, QIU Qinwei, LI Shuaicheng, "A comprehensive investigation of metagenome assembly by linked-read sequencing", <i>Microbiome</i> , 8, 11 November 2020, doi: <a href="https://doi.org/10.1186/s40168-020-00929-3">https://doi.org/10.1186/s40168-020-00929-3</a> .
	#MA Haiying, #LIAO Herui, #DELLISANTI Walter, SUN Yanni, CHAN Lai Leo, ZHANG Liang, "Characterizing the Host Coral Proteome of <i>Platygyra carnosa</i> Using Suspension Trapping (S-Trap)", <i>Journal of Proteome Research</i> , 20(3), 25 February 2021, pp 1783–1791, doi: <a href="https://doi.org/10.1021/acs.jproteome.0c00812">https://doi.org/10.1021/acs.jproteome.0c00812</a> .

Section A: Publications of PhD Students

<b>LIN Mingquan</b>	LIU Zhenhao, BAI Xu, YE Huiyi, GUO Aitao, # <a href="#">LIN Mingquan</a> , ZUO Panli, WANG Haiyi, "基于T2WI的纹理分析和机器学习在鉴别肾乏脂血管平滑肌脂肪瘤和肾癌中的价值", <i>磁共振成像</i> , 12(2), February 2021, pp 38-42, doi: <a href="https://doi.org/10.12015/issn.1674-8034.2021.02.009">https://doi.org/10.12015/issn.1674-8034.2021.02.009</a> .
	XU Ting, YI Ruichen, ZHU Chunqin, # <a href="#">LIN Mingquan</a> , "Simple-Structured OLEDs Incorporating Undoped Phosphorescent Emitters Within Non-Exciplex Forming Interfaces: Towards Ultraslow Efficiency Roll-Off and Low Driving Voltage for Indoor R/G/B Illumination", <i>Frontiers in Chemistry</i> , 8, 15 March 2021, doi: <a href="https://doi.org/10.3389/fchem.2020.630687">https://doi.org/10.3389/fchem.2020.630687</a> .
<b>LIU Jie</b>	# <a href="#">GUO Xiaoqing</a> , # <a href="#">LIU Jie</a> , <a href="#">YUAN Yixuan</a> , "Semantic-oriented Labeled-to-unlabeled Distribution Translation for Image Segmentation", <i>IEEE Transactions on Medical Imaging</i> , 01 January 2021, pp 1-1, doi: <a href="https://doi.org/10.1109/TMI.2021.3114329">https://doi.org/10.1109/TMI.2021.3114329</a> .
<b>LIU Qi</b>	# <a href="#">LIU Qi</a> , MO Shiwei, CHEUNG Vincent C.K., CHEUNG Ben M.F., WANG Shuotong, CHAN Peter P. K., MALHOTRA Akash, CHEUNG Roy T. H., <a href="#">CHAN Ho Man</a> , "Classification of runners' performance levels with concurrent prediction of biomechanical parameters using data from inertial measurement units", <i>Journal of Biomechanics</i> , 112, 08 October 2020, doi: <a href="https://doi.org/10.1016/j.jbiomech.2020.110072">https://doi.org/10.1016/j.jbiomech.2020.110072</a> .
<b>LIU Xinyu</b>	# <a href="#">LIU Xinyu</a> , DI Xiaoguang, "TanhExp: A smooth activation function with high convergence speed for lightweight neural networks", <i>IET Computer Vision</i> , 15(2), 23 February 2021, pp 136-150, doi: <a href="https://doi.org/10.1049/cvi2.12020">https://doi.org/10.1049/cvi2.12020</a> .
	# <a href="#">LIU Xinyu</a> , # <a href="#">GUO Xiaoqing</a> , LIU Yajie, <a href="#">YUAN Yixuan</a> , "Consolidated domain adaptive detection and localization framework for cross-device colonoscopic images", <i>Medical Image Analysis</i> , 71, 06 April 2021, doi: <a href="https://doi.org/10.1016/j.media.2021.102052">https://doi.org/10.1016/j.media.2021.102052</a> .
	# <a href="#">LIU Xinyu</a> , DI Xiaoguang, "Global Context Parallel Attention for Anchor-Free Instance Segmentation in Remote Sensing Images", <i>IEEE Geoscience and Remote Sensing Letters</i> , 22 September 2020, doi: <a href="https://doi.org/10.1109/LGRS.2020.3023124">https://doi.org/10.1109/LGRS.2020.3023124</a> .
<b>LIU Xiyao</b>	# <a href="#">LIU Xiyao</a> , <a href="#">LEUNG Kwok Wa</a> , YANG Nan, "Frequency Reconfigurable Filtering Dielectric Resonator Antenna with Harmonics Suppression", <i>IEEE Transactions on Antennas and Propagation</i> , 69(6), 29 December 2020, pp 3224-3233, doi: <a href="https://doi.org/10.1109/TAP.2020.3044387">https://doi.org/10.1109/TAP.2020.3044387</a> .
	# <a href="#">LIU Xiyao</a> , <a href="#">LEUNG Kwok Wa</a> , YANG Nan, "Wideband Horizontally Polarized Omnidirectional Cylindrical Dielectric Resonator Antenna for Polarization-Reconfigurable Design", <i>IEEE Transactions on Antennas and Propagation</i> , 13 May 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3076458">https://doi.org/10.1109/TAP.2021.3076458</a> .
<b>LIU Yucheng</b>	# <a href="#">ZHU Hongxu</a> , <a href="#">TSANG Kim Fung</a> , # <a href="#">LIU Yucheng</a> , WEI Yang, # <a href="#">WANG Hao</a> , # <a href="#">WU Chung Kit</a> , WAN Wai Hin, "Index of Low-Power Wide Area Networks: A Ranking Solution toward Best Practice", <i>IEEE Communications Magazine</i> , 59(4), April 2021, pp 139-144, doi: <a href="https://doi.org/10.1109/MCOM.001.2000873">https://doi.org/10.1109/MCOM.001.2000873</a> .
<b>LIU Zhaofeng</b>	# <a href="#">LIU Zhaofeng</a> , <a href="#">SO Hing Cheung</a> , ZHANG Lin, # <a href="#">LI Xiaopeng</a> , "Robust receiver for OFDM-DCSK modulation via rank-1 modeling and $\ell_p$ -minimization", <i>Signal Processing</i> , 188, 27 June 2021, doi: <a href="https://doi.org/10.1016/j.sigpro.2021.108219">https://doi.org/10.1016/j.sigpro.2021.108219</a> .
<b>LU Wenhao</b>	# <a href="#">LU Wenhao</a> , <a href="#">LEUNG Chi Sing Andrew</a> , SUM John, XIAO Yi, "DNN-kWTA With Bounded Random Offset Voltage Drifts in Threshold Logic Units", <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 29 January 2021, doi: <a href="https://doi.org/10.1109/TNNLS.2021.3050493">https://doi.org/10.1109/TNNLS.2021.3050493</a> .
<b>MOSTAFA Salwa Said Hamed</b>	# <a href="#">MOSTAFA Salwa Said Hamed</a> , <a href="#">SUNG Chi Wan</a> , XU Guangping, CHAN Terence H., "Cooperative Caching for Ultra-Dense Fog-RANs: Information Optimality and Hypergraph Coloring", <i>IEEE Transactions on Communications</i> , 18 March 2021, doi: <a href="https://doi.org/10.1109/TCOMM.2021.3067059">https://doi.org/10.1109/TCOMM.2021.3067059</a> .
<b>NAWAZ Mehmood</b>	# <a href="#">NAWAZ Mehmood</a> , YAN Hong, "Saliency Detection using Deep Features and Affinity-based Robust Background Subtraction", <i>IEEE Transactions on Multimedia</i> , 23, 28 August 2020, pp 2902-2916, doi: <a href="https://doi.org/10.1109/TMM.2020.3019688">https://doi.org/10.1109/TMM.2020.3019688</a> .
<b>OU Weifeng</b>	# <a href="#">OU Weifeng</a> , <a href="#">PO Lai Man</a> , # <a href="#">ZHOU Chang</a> , <a href="#">REHMAN Yasar Abbas Ur</a> , # <a href="#">XIAN Pengfei</a> , # <a href="#">ZHANG Yujia</a> , "Fusion loss and inter-class data augmentation for deep finger vein feature learning",

Section A: Publications of PhD Students

	<p><i>Expert Systems with Applications</i>, 171, 12 January 2021, doi: <a href="https://doi.org/10.1016/j.eswa.2021.114584">https://doi.org/10.1016/j.eswa.2021.114584</a>.</p> <p>#ZHOU Chang, PO Lai Man, #OU Weifeng, "Angular Deep Supervised Vector Quantization for Image Retrieval", <i>IEEE Transactions on Neural Networks and Learning Systems</i>, 23 December 2020, doi: <a href="https://doi.org/10.1109/TNNLS.2020.3043103">https://doi.org/10.1109/TNNLS.2020.3043103</a>.</p> <p>#ZHOU Chang, PO Lai Man, #OU Weifeng, #XIAN Pengfei, CHEUNG Kwok Wai, "Deep triplet residual quantization", <i>Expert Systems with Applications</i>, 184, 24 June 2021, doi: <a href="https://doi.org/10.1016/j.eswa.2021.115467">https://doi.org/10.1016/j.eswa.2021.115467</a>.</p> <p>#ZHAO Yuzhi, PO Lai Man, #YU Wing Yin, REHMAN Yasar Abbas Ur, LIU Mengyang, #ZHANG Yujia, #OU Weifeng, "VCGAN: Video Colorization with Hybrid Generative Adversarial Network", <i>IEEE Transactions on Multimedia</i>, Under Revision, 2021.</p>
<b>PALMERSTON Jeremiah Bradley</b>	<p>#PALMERSTON Jeremiah Bradley, #ZHOU Yunran, CHAN Ho Man, "Comparing biological and artificial vision systems: Network measures of functional connectivity", <i>Neuroscience Letters</i>, 739, 24 September 2020, doi: <a href="https://doi.org/10.1016/j.neulet.2020.135407">https://doi.org/10.1016/j.neulet.2020.135407</a>.</p> <p>#PALMERSTON Jeremiah Bradley, CHAN Ho Man, "Latent Variable Models Reconstruct Diversity of Neuronal Response to Drifting Gratings in Murine Visual Cortex", <i>IEEE Access</i>, 9, 17 May 2021, pp 75741-75750, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3081118">https://doi.org/10.1109/ACCESS.2021.3081118</a>.</p>
<b>QIAN Jingui</b>	<p>#QIAN Jingui, #REN Jifeng, HUANG Wei, LAM Hiu Wai Raymond, LEE En-yuan Joshua, "Acoustically Driven Manipulation of Microparticles and Cells on a Detachable Surface Micromachined Silicon Chip", <i>IEEE Sensors Journal</i>, 21(10), 12 March 2021, pp 11999-12008, doi: <a href="https://doi.org/10.1109/JSEN.2021.3065694">https://doi.org/10.1109/JSEN.2021.3065694</a>.</p> <p>#QIAN Jingui, #BEGUM Habiba, #SONG Yuxin, LEE En-yuan Joshua, "Plug-and-play acoustic tweezer enables droplet centrifugation on silicon superstrate with surface multi-layered microstructures", <i>Sensors and Actuators A: Physical</i>, 321, 11 November 2020, doi: <a href="https://doi.org/10.1016/j.sna.2020.112432">https://doi.org/10.1016/j.sna.2020.112432</a>.</p> <p>#QIAN Jingui, #REN Jifeng, #LIU Yi, LAM Hiu Wai Raymond, LEE En-yuan Joshua, "A two-chip acoustofluidic particle manipulation platform with a detachable and reusable surface acoustic wave device", <i>The Analyst</i>, 145(23), 01 September 2020, pp 7752-7758, doi: <a href="https://doi.org/10.1039/d0an01469a">https://doi.org/10.1039/d0an01469a</a>.</p> <p>#QIAN Jingui, HUANG Wei, #YANG Renhua, LAM Hiu Wai Raymond, LEE En-yuan Joshua, "Low-cost laser-cut patterned chips for acoustic concentration of micro- to nanoparticles and cells by operating over a wide frequency range", <i>Analyst</i>, 146(10), 18 March 2021, pp 3280-3288, doi: <a href="https://doi.org/10.1039/d1an00197c">https://doi.org/10.1039/d1an00197c</a>.</p> <p>#BEGUM Habiba, #QIAN Jingui, LEE En-yuan Joshua, "Piezoelectric Elliptical Plate Micromechanical Resonator with Low Motional Resistance for Resonant Sensing in Liquid", <i>IEEE Sensors Journal</i>, 21(6), 25 December 2020, pp 7339-7347, doi: <a href="https://doi.org/10.1109/JSEN.2020.3047535">https://doi.org/10.1109/JSEN.2020.3047535</a>.</p>
<b>RIZWAN .</b>	<p>#RIZWAN ., #ZHU Mengxu, YAN Hong, "Visualization of Protein-Drug Interactions for the Analysis of Drug Resistance in Lung Cancer", <i>IEEE Journal of Biomedical and Health Informatics</i>, 25(5), 29 September 2020, pp 1839-1848, doi: <a href="https://doi.org/10.1109/JBHI.2020.3027511">https://doi.org/10.1109/JBHI.2020.3027511</a>.</p> <p>#ZHU Mengxu, #RIZWAN ., YAN Hong, "Geometrical Features of Epidermal Growth Factor Receptor-Related Dimers Reveal the Mechanisms of Drug Resistance in Lung Cancer Patients", <i>IEEE Access</i>, 9, 31 December 2020, pp 5704-5715, doi: <a href="https://doi.org/10.1109/ACCESS.2020.3048427">https://doi.org/10.1109/ACCESS.2020.3048427</a>.</p>
<b>RUAN Jingya</b>	<p>#DONG Jiaxin, #RUAN Jingya, #ZHANG Luan, ZHUANG Junping, CHAN Sze Chun, "Stable-unstable switching dynamics in semiconductor lasers with external cavities", <i>Physical Review A</i>, 103(5), 28 May 2021, doi: <a href="https://doi.org/10.1103/PhysRevA.103.053524">https://doi.org/10.1103/PhysRevA.103.053524</a>.</p>
<b>SANKA Abdurrashid Ibrahim</b>	<p>#SANKA Abdurrashid Ibrahim, #IRFAN Muhammad, HUANG Ian, CHEUNG Chak Chung Ray, "A survey of breakthrough in blockchain technology: Adoptions, applications, challenges and future research", <i>Computer Communications</i>, 169, 30 January 2021, pp 179-201, doi: <a href="https://doi.org/10.1016/j.comcom.2020.12.028">https://doi.org/10.1016/j.comcom.2020.12.028</a>.</p> <p>#SANKA Abdurrashid Ibrahim, #CHOWDHURY Mehdi Hasan, CHEUNG Chak Chung Ray, "Efficient High-Performance FPGA-Redis Hybrid NoSQL Caching System for Blockchain Scalability", <i>Computer Communications</i>, 169, 27 January 2021, pp 81-91, doi: <a href="https://doi.org/10.1016/j.comcom.2021.01.017">https://doi.org/10.1016/j.comcom.2021.01.017</a>.</p>

Section A: Publications of PhD Students

<b>SHAHID Ali Raza</b>	# <u>SHAHID Ali Raza</u> , <u>KHAN Sheheryar</u> , <u>YAN Hong</u> , "Contour and region harmonic features for sub-local facial expression recognition", <i>Journal of Visual Communication and Image Representation</i> , 73, 28 October 2020, doi: <a href="https://doi.org/10.1016/j.jvcir.2020.102949">https://doi.org/10.1016/j.jvcir.2020.102949</a> .
<b>SHANG Jiayu</b>	DU Nan, # <u>SHANG Jiayu</u> , <u>SUN Yanni</u> , "Improving protein domain classification for third-generation sequencing reads using deep learning", <i>BMC Genomics</i> , 22, 09 April 2021, doi: <a href="https://doi.org/10.1186/s12864-021-07468-7">https://doi.org/10.1186/s12864-021-07468-7</a> .
<b>SHEN Ruihua</b>	# <u>SHEN Ruihua</u> , <u>CHUNG Shu Hung Henry</u> , "Mitigation of Ground Leakage Current of Single-Phase PV Inverter Using Hybrid PWM with Soft Voltage Transition and Nonlinear Output Inductor", <i>IEEE Transactions on Power Electronics</i> , 36(3), 14 August 2020, pp 2932-2946, doi: <a href="https://doi.org/10.1109/TPEL.2020.3016867">https://doi.org/10.1109/TPEL.2020.3016867</a> .
<b>SUN Guanghua</b>	HU Xiong-Min, WONG Sai-Wai, LI Yin, LIN Jing-Yu, YANG Yang, # <u>SUN Guanghua</u> , ZHANG Li, "Broadband high-gain slot grid array antenna for millimeter wave applications", <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 31(1), 20 November 2020, doi: <a href="https://doi.org/10.1002/mmce.22495">https://doi.org/10.1002/mmce.22495</a> . # <u>SUN Guanghua</u> , <u>WONG Hang</u> , "A C-shaped Open Slot Antenna Array for Millimeter-Wave Applications", <i>IEEE Transactions on Antennas and Propagation</i> , 25 June 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3090844">https://doi.org/10.1109/TAP.2021.3090844</a> . # <u>SUN Guanghua</u> , <u>WONG Hang</u> , "Millimeter-Wave High-Gain Magneto-Electric Dipole Antenna Array with Pillbox Corporate Feed Network", <i>IEEE Transactions on Antennas and Propagation</i> , 69(9), 05 April 2021, pp 5631-5639, doi: <a href="https://doi.org/10.1109/TAP.2021.3069579">https://doi.org/10.1109/TAP.2021.3069579</a> .
<b>TANG Peiwen</b>	ZHU Dong, # <u>TANG Peiwen</u> , LU Hailiang, LANG Liang, HU Fei, "System Reliability Optimization of Thinned Linear Arrays in Interferometric Aperture Synthesis Radiometers", <i>IEEE Antennas and Wireless Propagation Letters</i> , 17 May 2021, doi: <a href="https://doi.org/10.1109/LAWP.2021.3080713">https://doi.org/10.1109/LAWP.2021.3080713</a> .
<b>TUNG Chung Pui</b>	# <u>WANG Kewei</u> , # <u>ZHANG Kun</u> , # <u>TUNG Chung Pui</u> , <u>CHUNG Shu Hung Henry</u> , "Active Bridge Rectifier with DM EMI Reduction Based on Linear Reverse Operation of MOSFETs", <i>IEEE Transactions on Power Electronics</i> , 36(3), 03 August 2020, pp 2971-2982, doi: <a href="https://doi.org/10.1109/TPEL.2020.3013629">https://doi.org/10.1109/TPEL.2020.3013629</a> . # <u>ZHANG Kun</u> , <u>FAN Wing To</u> , # <u>TUNG Chung Pui</u> , <u>CHUNG Shu Hung Henry</u> , "Conducted EMI Suppression Using Power Semiconductor Filter With Dynamic Ramp Modulation to Regulate Series Pass Device Voltage", <i>IEEE Transactions on Power Electronics</i> , 36(6), 16 November 2020, pp 6608-6623, doi: <a href="https://doi.org/10.1109/TPEL.2020.3037416">https://doi.org/10.1109/TPEL.2020.3037416</a> .
<b>WANG Chao</b>	ZHANG Janet H., CHAN Zoe Y. S., LAU Fannie O.Y., HUANG Meizhen, # <u>WANG Chao</u> , WANG Shuotong, AU Ivan P. H., WANG Sizhong, LAM Ben M F, AN Winko W., CHEUNG Roy T. H., "How do training experience and geographical origin of a runner affect running biomechanics?", <i>Gait and Posture</i> , 84, 08 December 2020, pp 209-214, doi: <a href="https://doi.org/10.1016/j.gaitpost.2020.12.003">https://doi.org/10.1016/j.gaitpost.2020.12.003</a> .
<b>WANG Hao</b>	# <u>ZHU Hongxu</u> , <u>TSANG Kim Fung</u> , # <u>LIU Yucheng</u> , WEI Yang, # <u>WANG Hao</u> , # <u>WU Chung Kit</u> , WAN Wai Hin, "Index of Low-Power Wide Area Networks: A Ranking Solution toward Best Practice", <i>IEEE Communications Magazine</i> , 59(4), April 2021, pp 139-144, doi: <a href="https://doi.org/10.1109/MCOM.001.2000873">https://doi.org/10.1109/MCOM.001.2000873</a> .
<b>WANG Kewei</b>	# <u>WANG Kewei</u> , # <u>ZHANG Kun</u> , # <u>TUNG Chung Pui</u> , <u>CHUNG Shu Hung Henry</u> , "Active Bridge Rectifier with DM EMI Reduction Based on Linear Reverse Operation of MOSFETs", <i>IEEE Transactions on Power Electronics</i> , 36(3), 03 August 2020, pp 2971-2982, doi: <a href="https://doi.org/10.1109/TPEL.2020.3013629">https://doi.org/10.1109/TPEL.2020.3013629</a> .
<b>WANG Manting</b>	# <u>WANG Manting</u> , <u>ZHU Qian</u> , <u>CHAN Chi Hou</u> , "Wideband, Low-Profile Slot-Fed Dipole-Patch Antenna and Array", <i>IEEE Antennas and Wireless Propagation Letters</i> , 19(12), 08 October 2020, pp 2250-2254, doi: <a href="https://doi.org/10.1109/LAWP.2020.3029577">https://doi.org/10.1109/LAWP.2020.3029577</a> .
<b>WANG Tianjiao</b>	# <u>WANG Tianjiao</u> , # <u>WANG Xinyu</u> , WANG Zengfu, # <u>GUO Chao</u> , MORAN Bill, <u>ZUKERMAN Moshe</u> , "Optimal Tree Topology for a Submarine Cable Network With Constrained Internodal Latency", <i>Journal of Lightwave Technology</i> , 39(9), 04 February 2021, pp 2673-2683, doi: <a href="https://doi.org/10.1109/JLT.2021.3057171">https://doi.org/10.1109/JLT.2021.3057171</a> .
<b>WANG Xinyu</b>	# <u>WANG Tianjiao</u> , # <u>WANG Xinyu</u> , WANG Zengfu, # <u>GUO Chao</u> , MORAN Bill, <u>ZUKERMAN Moshe</u> , "Optimal Tree Topology for a Submarine Cable Network With Constrained Internodal



Section A: Publications of PhD Students

	Latency", <i>Journal of Lightwave Technology</i> , 39(9), 04 February 2021, pp 2673-2683, doi: <a href="https://doi.org/10.1109/JLT.2021.3057171">https://doi.org/10.1109/JLT.2021.3057171</a> .
<b>WANG Zhenni</b>	#LEUNG Ho Chun, #WANG Zhenni, HO Tze Yui, LEUNG Chi Sing Andrew, WONG Wing Ming Eric, "All Frequency Direct Illumination Using Visibility Correspondence Generated With Spherical Voronoi Diagrams", <i>IEEE Access</i> , 9, 28 May 2021, pp 81296-81313, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3084611">https://doi.org/10.1109/ACCESS.2021.3084611</a> .
<b>WONG Hiu Tung</b>	#WONG Hiu Tung, LEUNG Chi Sing Andrew, HO Derek, "Theoretical analysis and image reconstruction for multi-bit quanta image sensors", <i>Signal Processing</i> , 185, 31 March 2021, doi: <a href="https://doi.org/10.1016/j.sigpro.2021.108087">https://doi.org/10.1016/j.sigpro.2021.108087</a> . #ADEGOKE Muideen Adeniyi, #WONG Hiu Tung, LEUNG Chi Sing Andrew, "A Fault Aware Broad Learning System for Concurrent Network Failure Situations", <i>IEEE Access</i> , 9, 17 March 2021, pp 46129-46142, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3066217">https://doi.org/10.1109/ACCESS.2021.3066217</a> .
<b>WU Chong</b>	#WU Chong, ZHANG Le, ZHANG Houwang, YAN Hong, "Superpixel Based Hierarchical Segmentation for Color Image", <i>IEICE Transactions on Information and Systems</i> , E103D(10), 03 July 2020, pp 2246-2249, doi: <a href="https://doi.org/10.1587/transinf.2020EDL8025">https://doi.org/10.1587/transinf.2020EDL8025</a> . #WU Chong, ZHENG Jiangbin, FENG Zhenan, ZHANG Houwang, ZHANG Le, CAO Jiawang, YAN Hong, "Fuzzy SLIC: Fuzzy Simple Linear Iterative Clustering", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 24 August 2020, doi: <a href="https://doi.org/10.1109/TCSVT.2020.3019109">https://doi.org/10.1109/TCSVT.2020.3019109</a> . #WU Chong, FENG Zhenan, ZHENG Jiangbin, ZHANG Houwang, "Common Laws Driving the Success in Show Business", <i>Computational Intelligence and Neuroscience</i> , 2020, 10 July 2020, doi: <a href="https://doi.org/10.1155/2020/8842221">https://doi.org/10.1155/2020/8842221</a> . ZHENG Jiangbin, ZHAO Zheng, CHEN Min, CHEN Jing, #WU Chong, CHEN Yidong, SHI Xiaodong, TONG Yiqi, "An Improved Sign Language Translation Model with Explainable Adaptations for Processing Long Sign Sentences", <i>Computational Intelligence and Neuroscience</i> , 2020, 24 October 2020, doi: <a href="https://doi.org/10.1155/2020/8816125">https://doi.org/10.1155/2020/8816125</a> .
<b>WU Chung Kit</b>	#ZHU Hongxu, TSANG Kim Fung, #LIU Yucheng, WEI Yang, #WANG Hao, #WU Chung Kit, WAN Wai Hin, "Index of Low-Power Wide Area Networks: A Ranking Solution toward Best Practice", <i>IEEE Communications Magazine</i> , 59(4), April 2021, pp 139-144, doi: <a href="https://doi.org/10.1109/MCOM.001.2000873">https://doi.org/10.1109/MCOM.001.2000873</a> .
<b>WU Gengbo</b>	CHEN Zhijiao, SONG Wei, #WU Gengbo, LIU Haiwen, LOH Tian-Hong, YU Junsheng, CHEN Xiaodong, CHAN Chi Hou, "Circular Polarized 3-D-Printed Dielectric Loaded Antenna Using Inset Waveguide-to-Dielectric Transition for 5G Millimeter-Wave Application", <i>IEEE Antennas and Wireless Propagation Letters</i> , 19(11), 03 July 2020, pp 1929-1932, doi: <a href="https://doi.org/10.1109/LAWP.2020.3006867">https://doi.org/10.1109/LAWP.2020.3006867</a> . #WU Gengbo, CHAN Ka Fai, QU Shi-Wei, TONG Kin-Fai, CHAN Chi Hou, "Orbital Angular Momentum (OAM) Mode-Reconfigurable Discrete Dielectric Lens Operating at 300 GHz", <i>IEEE Transactions on Terahertz Science and Technology</i> , 10(5), September 2020, pp 480-489, doi: <a href="https://doi.org/10.1109/TTHZ.2020.2984451">https://doi.org/10.1109/TTHZ.2020.2984451</a> . HUANG Shao-Xin, #WU Gengbo, CHAN Ka Fai, CHEN Baojie, XIA Ming-Yao, FROMENTEZE Thomas, DECROZE Cyril, CHAN Chi Hou, "Demonstration of a terahertz multi-spectral 3x3 Mueller matrix polarimetry system for 2D and 3D imaging", <i>Optics Express</i> , 29(10), 29 April 2021, pp 14853-14867, doi: <a href="https://doi.org/10.1364/OE.417448">https://doi.org/10.1364/OE.417448</a> . #WU Gengbo, CHAN Ka Fai, CHAN Chi Hou, "3-D Printed Terahertz Lens to Generate Higher Order Bessel Beams Carrying OAM", <i>IEEE Transactions on Antennas and Propagation</i> , 69(6), 20 October 2020, pp 3399-3408, doi: <a href="https://doi.org/10.1109/TAP.2020.3030915">https://doi.org/10.1109/TAP.2020.3030915</a> . HUANG Shaoxin, #WU Gengbo, CHEN Baojie, CHAN Ka Fai, XIA Mingyao, FROMENTEZE Thomas, DECROZE Cyril, CHAN Chi Hou, "Terahertz Multi-Spectral Mueller Matrix Polarimetry on Leaf Using Only Orthogonal-Polarization Measurements", <i>IEEE Transactions on Terahertz Science and Technology</i> , 17 June 2021, doi: <a href="https://doi.org/10.1109/TTHZ.2021.3090111">https://doi.org/10.1109/TTHZ.2021.3090111</a> . #WU Gengbo, #ZHANG Qingle, CHAN Ka Fai, CHEN Baojie, CHAN Chi Hou, "Amplitude-Modulated Leaky-Wave Antennas", <i>IEEE Transactions on Antennas and Propagation</i> , 69(7), 23 December 2020, doi: <a href="https://doi.org/10.1109/TAP.2020.3044673">https://doi.org/10.1109/TAP.2020.3044673</a> .

Section A: Publications of PhD Students

	#WU Gengbo, CHAN Ka Fai, SHUM Kam Man, CHAN Chi Hou, "Millimeter-Wave Holographic Flat Lens Antenna for Orbital Angular Momentum (OAM) Multiplexing", <i>IEEE Transactions on Antennas and Propagation</i> , 08 January 2021, doi: <a href="https://doi.org/10.1109/TAP.2020.3048527">https://doi.org/10.1109/TAP.2020.3048527</a> .
<b>XIA Yunpeng</b>	ZHAO Jiangqi, XU Zhengjie, ZHOU Zhan, XI Shibo, #XIA Yunpeng, #ZHANG Qingyong, HUANG Lanqin, #MEI Liang, JIANG Yue, GAO Jinwei, ZENG Zhiyuan, TAN Chaoliang, "A Safe Flexible Self-Powered Wristband System by Integrating Defective MnO <sub>2-x</sub> Nanosheet-Based Zinc-Ion Batteries with Perovskite Solar Cells", <i>ACS Nano</i> , 15(6), 26 May 2021, pp 10597-10608, doi: <a href="https://doi.org/10.1021/acsnano.1c03341">https://doi.org/10.1021/acsnano.1c03341</a> .
<b>XIA Zhenxing</b>	#XIA Zhenxing, LEUNG Kwok Wa, YANG Nan, LU Kai, "Compact Dual-Frequency Antenna Array With Large Frequency Ratio", <i>IEEE Transactions on Antennas and Propagation</i> , 69(4), 21 October 2020, pp 2031-2040, doi: <a href="https://doi.org/10.1109/TAP.2020.3026865">https://doi.org/10.1109/TAP.2020.3026865</a> .
<b>XIAN Pengfei</b>	#OU Weifeng, PO Lai Man, #ZHOU Chang, REHMAN Yasar Abbas Ur, #XIAN Pengfei, #ZHANG Yujia, "Fusion loss and inter-class data augmentation for deep finger vein feature learning", <i>Expert Systems with Applications</i> , 171, 12 January 2021, doi: <a href="https://doi.org/10.1016/j.eswa.2021.114584">https://doi.org/10.1016/j.eswa.2021.114584</a> .
	#ZHOU Chang, PO Lai Man, #OU Weifeng, #XIAN Pengfei, CHEUNG Kwok Wai, "Deep triplet residual quantization", <i>Expert Systems with Applications</i> , 184, 24 June 2021, doi: <a href="https://doi.org/10.1016/j.eswa.2021.115467">https://doi.org/10.1016/j.eswa.2021.115467</a> .
	#XIONG Jingjing, PO Lai Man, CHEUNG Kwok Wai, #XIAN Pengfei, #ZHAO Yuzhi, REHMAN Yasar Abbas Ur, #ZHANG Yujia, "Edge-Sensitive Left Ventricle Segmentation Using Deep Reinforcement Learning", <i>Sensors</i> , 21(7), 29 March 2021, doi: <a href="https://doi.org/10.3390/s21072375">https://doi.org/10.3390/s21072375</a> .
<b>XIANG Bingjie</b>	TANG Wei Sheng, #XIANG Bingjie, ZHENG Shaoyong, LONG Yun Liang, "Design of wideband/dual-band bandpass filter using a vias and slots loaded sector circular patch resonator", <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 31(7), 10 April 2021, doi: <a href="https://doi.org/10.1002/mmce.22681">https://doi.org/10.1002/mmce.22681</a> .
<b>XIONG Jingjing</b>	#XIONG Jingjing, PO Lai Man, CHEUNG Kwok Wai, #XIAN Pengfei, #ZHAO Yuzhi, REHMAN Yasar Abbas Ur, #ZHANG Yujia, "Edge-Sensitive Left Ventricle Segmentation Using Deep Reinforcement Learning", <i>Sensors</i> , 21(7), 29 March 2021, doi: <a href="https://doi.org/10.3390/s21072375">https://doi.org/10.3390/s21072375</a> .
<b>XU Kai</b>	#GUO Chao, #XU Kai, SHEN Gangxiang, ZUKERMAN Moshe, "Temperature-Aware Virtual Data Center Embedding to Avoid Hot Spots in Data Centers", <i>IEEE Transactions on Green Communications and Networking</i> , 5(1), 10 August 2020, pp 497-511, doi: <a href="https://doi.org/10.1109/TGCN.2020.3015234">https://doi.org/10.1109/TGCN.2020.3015234</a> .
<b>YANG Chen</b>	#GUO Xiaoqing, #YANG Chen, LIU Yajie, YUAN Yixuan, "Learn to Threshold: ThresholdNet with Confidence-Guided Manifold Mixup for Polyp Segmentation", <i>IEEE Transactions on Medical Imaging</i> , 40(4), 23 December 2020, pp 1134-1146, doi: <a href="https://doi.org/10.1109/TMI.2020.3046843">https://doi.org/10.1109/TMI.2020.3046843</a> .
	#YANG Chen, #GUO Xiaoqing, ZHU Meilu, IBRAGIMOV Bulat, YUAN Yixuan, "Mutual-Prototype Adaptation for Cross-Domain Polyp Segmentation", <i>IEEE Journal of Biomedical and Health Informatics</i> , 04 May 2021, doi: <a href="https://doi.org/10.1109/JBHI.2021.3077271">https://doi.org/10.1109/JBHI.2021.3077271</a> .
<b>YANG Chen</b>	#KONG Shangcheng, SHUM Kam Man, #YANG Chen, #GAO Liang, CHAN Chi Hou, "Wide Impedance-and Gain-Bandwidth Terahertz On-Chip Antenna with Chip-Integrated Dielectric Resonator", <i>IEEE Transactions on Antennas and Propagation</i> , 24 February 2021, doi: <a href="https://doi.org/10.1109/TAP.2021.3060060">https://doi.org/10.1109/TAP.2021.3060060</a> .
<b>YANG Jingwei</b>	#YANG Jingwei, WANG Cheng, "Efficient terahertz generation scheme in a thin-film lithium niobate-silicon hybrid platform", <i>Optics Express</i> , 29(11), 13 May 2021, pp 16477-16486, doi: <a href="https://doi.org/10.1364/OE.419965">https://doi.org/10.1364/OE.419965</a> .
<b>YANG Yunshan</b>	CHEN Xiaochen, HE Han, #GOU Meinan, #YANG Yunshan, SYDÄNHEIMO Lauri, UKKONEN Leena, VIRKKI Johanna, "Passive Moisture Sensor Based on Conductive and Water-Soluble Yarns", <i>IEEE Sensors Journal</i> , 20(18), 15 September 2020, pp 10989-10995, doi: <a href="https://doi.org/10.1109/JSEN.2020.2994449">https://doi.org/10.1109/JSEN.2020.2994449</a> .
<b>YE Zixin</b>	XIE Hui, WANG Yi, #YE Zixin, #FANG Shiyi, XU Zhen, WU Tianzhun, CHAN L H Leanne, "Monitoring Cortical Response and Electrode-Retina Impedance Under Epiretinal

Section A: Publications of PhD Students

	Stimulation in Rats", <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 29, 21 June 2021, pp 1178-1187, doi: <a href="https://doi.org/10.1109/TNSRE.2021.3090904">https://doi.org/10.1109/TNSRE.2021.3090904</a> .
<b>YU Wing Yin</b>	#YU Wing Yin, PO Lai Man, #ZHAO Yuzhi, #ZHANG Yujia, #LAU Kin Wai, "FEANet: Foreground-edge-aware network with DenseASPOC for human parsing", <i>Image and Vision Computing</i> , 109, 01 March 2021, doi: <a href="https://doi.org/10.1016/j.imavis.2021.104145">https://doi.org/10.1016/j.imavis.2021.104145</a> . #ZHAO Yuzhi, PO Lai Man, CHEUNG Kwok Wai, #YU Wing Yin, REHMAN Yasar Abbas Ur, "SCGAN: Saliency Map-guided Colorization with Generative Adversarial Network", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 16 November 2020, doi: <a href="https://doi.org/10.1109/TCSVT.2020.3037688">https://doi.org/10.1109/TCSVT.2020.3037688</a> . #ZHAO Yuzhi, PO Lai Man, #YU Wing Yin, REHMAN Yasar Abbas Ur, LIU Mengyang, #ZHANG Yujia, #OU Weifeng, "VCGAN: Video Colorization with Hybrid Generative Adversarial Network", <i>IEEE Transactions on Multimedia</i> , Under Revision, 2021.
<b>ZHA Jiajia</b>	#HUANG Haoxin, #ZHA Jiajia, LI Shisheng, TAN Chaoliang, "Two-dimensional alloyed transition metal dichalcogenide nanosheets: Synthesis and applications", <i>Chinese Chemical Letters</i> , 09 June 2021, doi: <a href="https://doi.org/10.1016/j.ccllet.2021.06.004">https://doi.org/10.1016/j.ccllet.2021.06.004</a> . ZHAO Jiangqi, #ZHA Jiajia, ZENG Zhiyuan, TAN Chaoliang, "Recent advances in wearable self-powered energy systems based on flexible energy storage devices integrated with flexible solar cells", <i>Journal of Materials Chemistry A</i> , 9(35), 07 June 2021, pp 18887-18905, doi: <a href="https://doi.org/10.1039/d1ta02493k">https://doi.org/10.1039/d1ta02493k</a> .
<b>ZHANG Ke</b>	#ZHANG Ke, #CHEN Zhaoxi, #FENG Hanke, WONG Wing Han Polis, PUN Yue Bun Edwin, WANG Cheng, "High-Q lithium niobate microring resonators using lift-off metallic masks [Invited]", <i>Chinese Optics Letters</i> , 19(6), 08 May 2021. #CHEN Zhaoxi, XU Qing, #ZHANG Ke, WONG Wing Han Polis, ZHANG De Long, PUN Yue Bun Edwin, WANG Cheng, "Efficient erbium-doped thin-film lithium niobate waveguide amplifiers", <i>Optics Letters</i> , 46(5), 01 March 2021, pp 1161-1164, doi: <a href="https://doi.org/10.1364/OL.420250">https://doi.org/10.1364/OL.420250</a> .
<b>ZHANG Kun</b>	#WANG Kewei, #ZHANG Kun, #TUNG Chung Pui, CHUNG Shu Hung Henry, "Active Bridge Rectifier with DM EMI Reduction Based on Linear Reverse Operation of MOSFETs", <i>IEEE Transactions on Power Electronics</i> , 36(3), 03 August 2020, pp 2971-2982, doi: <a href="https://doi.org/10.1109/TPEL.2020.3013629">https://doi.org/10.1109/TPEL.2020.3013629</a> . #ZHANG Kun, FAN Wing To, #TUNG Chung Pui, CHUNG Shu Hung Henry, "Conducted EMI Suppression Using Power Semiconductor Filter With Dynamic Ramp Modulation to Regulate Series Pass Device Voltage", <i>IEEE Transactions on Power Electronics</i> , 36(6), 16 November 2020, pp 6608-6623, doi: <a href="https://doi.org/10.1109/TPEL.2020.3037416">https://doi.org/10.1109/TPEL.2020.3037416</a> .
<b>ZHANG Luan</b>	#DONG Jiaxin, #RUAN Jingya, #ZHANG Luan, ZHUANG Junping, CHAN Sze Chun, "Stable-unstable switching dynamics in semiconductor lasers with external cavities", <i>Physical Review A</i> , 103(5), 28 May 2021, doi: <a href="https://doi.org/10.1103/PhysRevA.103.053524">https://doi.org/10.1103/PhysRevA.103.053524</a> .
<b>ZHANG Ming</b>	#ZHANG Ming, ZHE Xuefei, CHEN Shifeng, YAN Hong, "Deep center-based dual-constrained hashing for discriminative face image retrieval", <i>Pattern Recognition</i> , 117, 06 April 2021, doi: <a href="https://doi.org/10.1016/j.patcog.2021.107976">https://doi.org/10.1016/j.patcog.2021.107976</a> .
<b>ZHANG Qingle</b>	#ZHANG Qingle, CHAN Ka Fai, ZHANG Qingfeng, "Millimeter-wave spoof surface plasmon polariton waveguide with uniform-depth transition for liquid material detection", <i>Journal of Physics D: Applied Physics</i> , 54(13), 21 January 2021, doi: <a href="https://doi.org/10.1088/1361-6463/abd4a7">https://doi.org/10.1088/1361-6463/abd4a7</a> . CHENG Xiaohe, YAO Yuan, YU Tao, WANG Caixia, CHEN Zhijiao, #ZHANG Qingle, YU Junsheng, CHEN Xiaodong, "Compact Wideband Circularly Polarized Septum Antenna for Millimeter-Wave Applications", <i>IEEE Transactions on Antennas and Propagation</i> , 68(11), November 2020, pp 7584-7588, doi: <a href="https://doi.org/10.1109/TAP.2020.2981691">https://doi.org/10.1109/TAP.2020.2981691</a> . #ZHANG Qingle, CHAN Chi Hou, "Compact Spoof Surface Plasmon Polaritons Waveguide Integrated With Blind Vias and Its Applications", <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 67(12), December 2020, pp 3038-3042, doi: <a href="https://doi.org/10.1109/TCSII.2020.3001297">https://doi.org/10.1109/TCSII.2020.3001297</a> . #ZHANG Qingle, CHEN Baojie, SHUM Kam Man, CHAN Chi Hou, "Ultra-Wideband and Compact Terahertz Planar Load Based on Spoof Surface Plasmon Polaritons with Nickel",

Section A: Publications of PhD Students

	<p><i>IEEE Transactions on Circuits and Systems II: Express Briefs</i>, 68(6), 10 December 2020, pp 1922-1926, doi: <a href="https://doi.org/10.1109/TCSII.2020.3043800">https://doi.org/10.1109/TCSII.2020.3043800</a>.</p> <p>#ZHANG Qingle, CHEN Baojie, CHAN Ka Fai, CHAN Chi Hou, "Terahertz Circularly-and Linearly-Polarized Leaky-Wave Antennas Based on Spin-Orbit Interaction of Spoof Surface Plasmon Polaritons", <i>IEEE Transactions on Antennas and Propagation</i>, 08 January 2021, doi: <a href="https://doi.org/10.1109/TAP.2020.3048531">https://doi.org/10.1109/TAP.2020.3048531</a>.</p> <p>#WU Gengbo, #ZHANG Qingle, CHAN Ka Fai, CHEN Baojie, CHAN Chi Hou, "Amplitude-Modulated Leaky-Wave Antennas", <i>IEEE Transactions on Antennas and Propagation</i>, 69(7), 23 December 2020, doi: <a href="https://doi.org/10.1109/TAP.2020.3044673">https://doi.org/10.1109/TAP.2020.3044673</a>.</p> <p>#ZHANG Qingle, CHAN Chi Hou, "Spoof Surface Plasmon Polariton Filter with Reconfigurable Dual and Non-Linear Notched Characteristics", <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i>, 22 March 2021, doi: <a href="https://doi.org/10.1109/TCSII.2021.3067936">https://doi.org/10.1109/TCSII.2021.3067936</a>.</p>
<b>ZHANG Shengxin</b>	<p>#ZHANG Shengxin, CHAN Wing Shing, TANG Kit Sang Wallace, ZHENG Shaoyong, "Adaptive strategy in differential evolution via explicit exploitation and exploration controls", <i>Applied Soft Computing</i>, 107, 11 May 2021, doi: <a href="https://doi.org/10.1016/j.asoc.2021.107494">https://doi.org/10.1016/j.asoc.2021.107494</a>.</p>
<b>ZHANG Xu</b>	<p>#ZHANG Xu, LI Hanxiong, CHUNG Shu Hung Henry, "Setup-Independent Sensing Architecture with Multiple UHF RFID Sensor Tags", <i>IEEE Internet of Things Journal</i>, 12 May 2021, doi: <a href="https://doi.org/10.1109/JIOT.2021.3079448">https://doi.org/10.1109/JIOT.2021.3079448</a>.</p> <p>#ZHANG Xu, LI Hanxiong, CHUNG Shu Hung Henry, "Setup-Independent UHF RFID Sensing Technique Using Multi-Dimensional Differential Measurement", <i>IEEE Internet of Things Journal</i>, 30 December 2020, doi: <a href="https://doi.org/10.1109/JIOT.2020.3048248">https://doi.org/10.1109/JIOT.2020.3048248</a>.</p>
<b>ZHANG Yue</b>	<p>LIU Pei, ZHANG Qi, WANG Junyuan, KONG Dejin, #ZHANG Yue, "Statistical Description of Channel Estimation Error in Massive MIMO Systems with Ricean Fading", <i>IEEE Transactions on Vehicular Technology</i>, 04 May 2021, doi: <a href="https://doi.org/10.1109/TVT.2021.3077585">https://doi.org/10.1109/TVT.2021.3077585</a>.</p> <p>LIU Pei, KONG Dejin, DING Jie, #ZHANG Yue, WANG Kehao, CHOI Jinho, "Channel Estimation Aware Performance Analysis for Massive MIMO with Rician Fading", <i>IEEE Transactions on Communications</i>, 69(7), 14 April 2021, pp 4373-4386, doi: <a href="https://doi.org/10.1109/TCOMM.2021.3073111">https://doi.org/10.1109/TCOMM.2021.3073111</a>.</p> <p>#ZHANG Yue, DAI Lin, WONG Wing Ming Eric, "Optimal BS Deployment and User Association for 5G Millimeter Wave Communication Networks", <i>IEEE Transactions on Wireless Communications</i>, 20(5), 18 December 2020, pp 2776-2791, doi: <a href="https://doi.org/10.1109/TWC.2020.3044288">https://doi.org/10.1109/TWC.2020.3044288</a>.</p> <p>#ZHANG Yue, DAI Lin, "On the Optimal Placement of Base Station Antennas for Distributed Antenna Systems", <i>IEEE Communications Letters</i>, 24(12), 31 August 2020, pp 2878-2882, doi: <a href="https://doi.org/10.1109/LCOMM.2020.3020373">https://doi.org/10.1109/LCOMM.2020.3020373</a>.</p>
<b>ZHANG Yujia</b>	<p>#OU Weifeng, PO Lai Man, #ZHOU Chang, REHMAN Yasar Abbas Ur, #XIAN Pengfei, #ZHANG Yujia, "Fusion loss and inter-class data augmentation for deep finger vein feature learning", <i>Expert Systems with Applications</i>, 171, 12 January 2021, doi: <a href="https://doi.org/10.1016/j.eswa.2021.114584">https://doi.org/10.1016/j.eswa.2021.114584</a>.</p> <p>#YU Wing Yin, PO Lai Man, #ZHAO Yuzhi, #ZHANG Yujia, #LAU Kin Wai, "FEANet: Foreground-edge-aware network with DenseASPOC for human parsing", <i>Image and Vision Computing</i>, 109, 01 March 2021, doi: <a href="https://doi.org/10.1016/j.imavis.2021.104145">https://doi.org/10.1016/j.imavis.2021.104145</a>.</p> <p>#XIONG Jingjing, PO Lai Man, CHEUNG Kwok Wai, #XIAN Pengfei, #ZHAO Yuzhi, REHMAN Yasar Abbas Ur, #ZHANG Yujia, "Edge-Sensitive Left Ventricle Segmentation Using Deep Reinforcement Learning", <i>Sensors</i>, 21(7), 29 March 2021, doi: <a href="https://doi.org/10.3390/s21072375">https://doi.org/10.3390/s21072375</a>.</p> <p>#ZHAO Yuzhi, PO Lai Man, #YU Wing Yin, REHMAN Yasar Abbas Ur, LIU Mengyang, #ZHANG Yujia, #OU Weifeng, "VCGAN: Video Colorization with Hybrid Generative Adversarial Network", <i>IEEE Transactions on Multimedia</i>, Under Revision, 2021.</p>
<b>ZHAO Yang</b>	<p>#ZHAO Yang, CHOW Wai Shing Tommy, "Monotone submodular subset for sentiment analysis of online reviews", <i>Neural Computing and Applications</i>, 15 April 2021, doi: <a href="https://doi.org/10.1007/s00521-021-05845-7">https://doi.org/10.1007/s00521-021-05845-7</a>.</p> <p>#ZHAO Yang, CHOW Wai Shing Tommy, "Opinion subset selection via submodular maximization", <i>Information Sciences</i>, 560, 10 February 2021, pp 283-306, doi: <a href="https://doi.org/10.1016/j.ins.2020.12.083">https://doi.org/10.1016/j.ins.2020.12.083</a>.</p>

Section A: Publications of PhD Students

<b>ZHAO Yuan</b>	#ZHAO Yuan, SPENCE J. David, <u>CHIU Bernard Chi Yuen</u> , "Three-dimensional ultrasound assessment of effects of therapies on carotid atherosclerosis using vessel wall thickness maps", <i>Ultrasound in Medicine &amp; Biology</i> , 47(9), 18 June 2021, pp 2502-2513, doi: <a href="https://doi.org/10.1016/j.ultrasmedbio.2021.04.015">https://doi.org/10.1016/j.ultrasmedbio.2021.04.015</a> .
<b>ZHAO Yuzhi</b>	#YU Wing Yin, PO Lai Man, #ZHAO Yuzhi, #ZHANG Yujia, #LAU Kin Wai, "FEANet: Foreground-edge-aware network with DenseASPOC for human parsing", <i>Image and Vision Computing</i> , 109, 01 March 2021, doi: <a href="https://doi.org/10.1016/j.imavis.2021.104145">https://doi.org/10.1016/j.imavis.2021.104145</a> . #XIONG Jingjing, PO Lai Man, CHEUNG Kwok Wai, #XIAN Pengfei, #ZHAO Yuzhi, REHMAN Yasar Abbas Ur, #ZHANG Yujia, "Edge-Sensitive Left Ventricle Segmentation Using Deep Reinforcement Learning", <i>Sensors</i> , 21(7), 29 March 2021, doi: <a href="https://doi.org/10.3390/s21072375">https://doi.org/10.3390/s21072375</a> . #ZHAO Yuzhi, PO Lai Man, CHEUNG Kwok Wai, #YU Wing Yin, REHMAN Yasar Abbas Ur, "SCGAN: Saliency Map-guided Colorization with Generative Adversarial Network", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 16 November 2020, doi: <a href="https://doi.org/10.1109/TCSVT.2020.3037688">https://doi.org/10.1109/TCSVT.2020.3037688</a> . #ZHAO Yuzhi, PO Lai Man, #YU Wing Yin, REHMAN Yasar Abbas Ur, LIU Mengyang, #ZHANG Yujia, #OU Weifeng, "VCGAN: Video Colorization with Hybrid Generative Adversarial Network", <i>IEEE Transactions on Multimedia</i> , Under Revision, 2021.
<b>ZHOU Chang</b>	#OU Weifeng, PO Lai Man, #ZHOU Chang, REHMAN Yasar Abbas Ur, #XIAN Pengfei, #ZHANG Yujia, "Fusion loss and inter-class data augmentation for deep finger vein feature learning", <i>Expert Systems with Applications</i> , 171, 12 January 2021, doi: <a href="https://doi.org/10.1016/j.eswa.2021.114584">https://doi.org/10.1016/j.eswa.2021.114584</a> . #ZHOU Chang, PO Lai Man, #OU Weifeng, "Angular Deep Supervised Vector Quantization for Image Retrieval", <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 23 December 2020, doi: <a href="https://doi.org/10.1109/TNNLS.2020.3043103">https://doi.org/10.1109/TNNLS.2020.3043103</a> . #ZHOU Chang, PO Lai Man, #OU Weifeng, #XIAN Pengfei, CHEUNG Kwok Wai, "Deep triplet residual quantization", <i>Expert Systems with Applications</i> , 184, 24 June 2021, doi: <a href="https://doi.org/10.1016/j.eswa.2021.115467">https://doi.org/10.1016/j.eswa.2021.115467</a> .
<b>ZHU Hongxu</b>	#ZHU Hongxu, TSANG Kim Fung, #LIU Yucheng, WEI Yang, #WANG Hao, #WU Chung Kit, WAN Wai Hin, "Index of Low-Power Wide Area Networks: A Ranking Solution toward Best Practice", <i>IEEE Communications Magazine</i> , 59(4), April 2021, pp 139-144, doi: <a href="https://doi.org/10.1109/MCOM.001.2000873">https://doi.org/10.1109/MCOM.001.2000873</a> .
<b>ZHU Mengxu</b>	#RIZWAN ., #ZHU Mengxu, YAN Hong, "Visualization of Protein-Drug Interactions for the Analysis of Drug Resistance in Lung Cancer", <i>IEEE Journal of Biomedical and Health Informatics</i> , 25(5), 29 September 2020, pp 1839-1848, doi: <a href="https://doi.org/10.1109/JBHI.2020.3027511">https://doi.org/10.1109/JBHI.2020.3027511</a> . #ZHU Mengxu, #GHOSH Avirup, YAN Hong, "Mechanism of Actions of Dexamethasone Against COVID-19 Predicted by Alpha Shape Analysis of Binding Sites", <i>Current Bioinformatics</i> , 16(5), 30 June 2021, pp 682-690, doi: <a href="https://doi.org/10.2174/1574893616666210625164651">https://doi.org/10.2174/1574893616666210625164651</a> . #ZHU Mengxu, #RIZWAN ., YAN Hong, "Geometrical Features of Epidermal Growth Factor Receptor-Related Dimers Reveal the Mechanisms of Drug Resistance in Lung Cancer Patients", <i>IEEE Access</i> , 9, 31 December 2020, pp 5704-5715, doi: <a href="https://doi.org/10.1109/ACCESS.2020.3048427">https://doi.org/10.1109/ACCESS.2020.3048427</a> . #ZHU Mengxu, WANG Dan, YAN Hong, "Genotype-determined EGFR-RTK heterodimerization and its effects on drug resistance in lung Cancer treatment revealed by molecular dynamics simulations", <i>BMC Molecular and Cell Biology</i> , 22, 10 June 2021, doi: <a href="https://doi.org/10.1186/s12860-021-00358-6">https://doi.org/10.1186/s12860-021-00358-6</a> .
<b>Conference papers</b>	
<b>AGADAGBA Stephen Kugbere</b>	#AGADAGBA Stephen Kugbere, CHAN L H Leanne, "Spontaneous Feedforward Connectivity in Electrically Stimulated Retinal Degeneration Mice", <i>42nd Annual International Conferences of the IEEE Engineering in Medicine and Biology Society - "Enabling Innovative Technologies for Global Healthcare"</i> , Montreal, Canada, 20-24 July 2020, pp 3513-3516, (ISBN: 9781728119908,9781728119915).

Section A: Publications of PhD Students

<b>BEGUM Habiba</b>	#QIAN Jingui, #YANG Renhua, #BEGUM Habiba, LEE En-yuan Joshua, "RECONFIGURABLE ACOUSTOFLUIDIC MANIPULATION OF PARTICLES IN RING-LIKE RICH PATTERNS ENABLED ON A BULK MICROMACHINED SILICON CHIP", <i>2021 21st International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers)</i> , Virtual, Orlando, United States, 20-25 June 2021, pp 365-368, (ISBN: 978-0-7381-2562-6,978-1-6654-1267-4,978-1-6654-4845-1).
	#QIAN Jingui, #BEGUM Habiba, #YANG Renhua, LEE En-yuan Joshua, "ACOUSTICALLY DRIVEN DROPLET CENTRIFUGATION ENABLED BY FREQUENCY OPERATIONS BEYOND PHONONIC BANDGAPS", <i>2021 IEEE 34th International Conference on Micro Electro Mechanical Systems (MEMS)</i> , Online, Gainesville, United States, 25-29 January 2021, pp 172-175, (ISBN: 978-1-6654-1912-3,978-1-6654-3024-1).
<b>BI Xiaowen</b>	YANG Cuili, WU Zhanhong, HAN Honggui, #BI Xiaowen, "Multi-objective vehicle path planning method for recycling process of used electrical and electronic products", <i>2020 IEEE International Symposium on Product Compliance Engineering-Asia - ISPCE-CN</i> , IEEE Product Safety Engineering Society and City University of Hong Kong (CityU), Chongqing University & City University of Hong Kong, Chongqing & Hong Kong, China, 06-08 November 2020, (ISBN: 9780738144344,9780738144351).
<b>CAO Jianfeng</b>	#FAN Xinqi, #RIZWAN., #SHAHID Ali Raza, #CAO Jianfeng, #YANG Luoxiao, YAN Hong, "Hybrid Separable Convolutional Inception Residual Network for Human Facial Expression Recognition", <i>Proceedings of 2020 International Conference on Machine Learning and Cybernetics</i> , Virtual, Adelaide, Australia, 04 December 2020, pp 21-26, (ISBN: 978-0-7381-2426-1,978-1-6654-1943-7,978-1-6654-3007-4).
<b>CHEN Zhen</b>	#CHEN Zhen, ZHANG Jun, CHE Shuanlong, HUANG Junzhou, HAN Xiao, YUAN Yixuan, "Diagnose Like A Pathologist: Weakly-Supervised Pathologist-Tree Network for Slide-Level Immunohistochemical Scoring", <i>The Thirty-Fifth AAAI Conference on Artificial Intelligence (AAAI-21)</i> , Virtual, 02-09 February 2021, pp 47-54, (ISBN: 978-1-57735-866-4 (set)).
	#CHEN Zhen, #GUO Xiaoqing, #YANG Chen, IBRAGIMOV Bulat, YUAN Yixuan, "Joint Spatial-Wavelet Dual-Stream Network for Super-Resolution", <i>Medical Image Computing and Computer Assisted Intervention – MICCAI 2020 - 23rd International Conference Lima, Peru, October 4–8, 2020 Proceedings, Part V</i> , Lima, Peru, 04-08 October 2020, pp 184-193, (ISBN: 9783030597214,9783030597221).
<b>CHENG Yijun</b>	#CHENG Yijun, ZHU Shuyan, PANG Stella W., "DIRECTING CELL MIGRATION WITH PATTERNED NANOSTRUCTURES", <i>The 34th IEEE International Conference on Micro Electro Mechanical Systems (MEMS2021)</i> , Online, Gainesville, United States, 25-29 January 2021, pp 579-582, (ISBN: 9781665419123,9781665430241).
<b>DING Chen</b>	#DING Chen, LUK Kwai Man, "Rotation-Free Phaseless Far-Field Gain Measurement of Linearly Polarized Antennas Using Artificial Anisotropic Polarizers", <i>2020 IEEE Asia-Pacific Conference on Antennas and Propagation (APCAP2020 online) - Proceedings</i> , Xiamen Institute of Electronics (XMIE) and Antenna Society of the Chinese Institute of Electronics (CIE-ANT), Online, Xiamen, China, 04-07 August 2020, (ISBN: 978-1-7281-9805-7,978-1-7281-9806-4).
<b>DONG Jiaxin</b>	#DONG Jiaxin, #RUAN Jingya, #ZHANG Luan, CHAN Sze Chun, "Photonic Random Bit Generation Based on Chaotic Laser Diodes for Wireless Distribution", <i>Asia Communications and Photonics Conference 2020</i> , Beijing, China, 24-27 October 2020, (ISBN: 9781943580828).
	#DONG Jiaxin, #RUAN Jingya, #ZHANG Luan, CHAN Sze Chun, "Photonic Random Bit Generation Based on Chaotic Laser Diodes for Wireless Distribution", <i>2020 Asia Communications and Photonics Conference (ACP) and International Conference on Information Photonics and Optical Communications (IPOC) - Proceedings</i> , Beijing, China, 24-27 October 2020, (ISBN: 9781728176567,9781943580828).
<b>DUAN Qiyou</b>	#DUAN Qiyou, KIM Taejoon, GHAUCH Hadi, WONG Wing Ming Eric, "Enhanced Beam Alignment for Millimeter Wave MIMO Systems: A Kolmogorov Model", <i>2020 IEEE Global Communications Conference (GLOBECOM 2020) - Proceedings</i> , Virtual, Taipei, Taiwan, 07-11 December 2020, (ISBN: 978-1-7281-8298-8).
<b>FAN Xinqi</b>	#FAN Xinqi, #JIANG Mingjie, ZHANG Huaizhi, LI Yang, YAN Hong, "Quantized Separable Residual Network for Facial Expression Recognition on FPGA", <i>Cognitive Systems and Signal Processing - 5th International Conference, ICCSIP 2020, Revised Selected Papers</i> , Zhuhai, China, 25-27 December 2020, pp 3-14, (ISBN: 978-981-16-2335-6,978-981-16-2336-3).

Section A: Publications of PhD Students

	#FAN Xinqi, #RIZWAN., #SHAHID Ali Raza, #CAO Jianfeng, #YANG Luoxiao, YAN Hong, "Hybrid Separable Convolutional Inception Residual Network for Human Facial Expression Recognition", <i>Proceedings of 2020 International Conference on Machine Learning and Cybernetics</i> , Virtual, Adelaide, Australia, 04 December 2020, pp 21-26, (ISBN: 978-0-7381-2426-1,978-1-6654-1943-7,978-1-6654-3007-4).
FANG Junyuan	MA Weijun, #FANG Junyuan, WU Jiajing, "Sequential Node Attack of Complex Networks based on Q-learning Method", <i>2021 IEEE International Symposium on Circuits and Systems (ISCAS) - Proceedings</i> , Daegu, Korea, Republic of, 22-28 May 2021, (ISBN: 978-1-7281-9201-7).
	WEN Haixian, #FANG Junyuan, WU Jiajing, ZHENG Zibin, "Transaction-based Hidden Strategies Against General Phishing Detection Framework on Ethereum", <i>2021 IEEE International Symposium on Circuits and Systems (ISCAS) - Proceedings</i> , Daegu, Korea, Republic of, 22-28 May 2021, (ISBN: 978-1-7281-9201-7).
FENG Fan	#LIU Qi, #FENG Fan, #LAN Chuanlin, CHAN Ho Man, "VA2Mass: Towards the Fluid Filling Mass Estimation via Integration of Vision and Audio Learning", <i>Pattern Recognition - ICPR International Workshops and Challenges</i> , Proceedings, Virtual, Milan, Italy, 10-11 January 2021, pp 451-463, (ISBN: 9783030687922,9783030687939).
GUO Chao	WANG Zhiyuan, #GUO Chao, BOSE Sanjay Kumar, SHEN Gangxiang, "Adaptive Clock Frequency Based Energy Efficient Provisioning for Virtual Data Centers", <i>2020 Asia Communications and Photonics Conference (ACP) and International Conference on Information Photonics and Optical Communications (IPOC) - Proceedings</i> , Beijing, China, 24-27 October 2020, (ISBN: 978-1-7281-7656-7,978-1-943580-82-8).
GUO Xiaoqing	#GUO Xiaoqing, #YANG Chen, LI Baopu, YUAN Yixuan, "MetaCorrection: Domain-aware Meta Loss Correction for Unsupervised Domain Adaptation in Semantic Segmentation", <i>Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i> , Virtual, 19-25 June 2021, pp 3927-3936.
	#LI Wuyang, #YANG Chen, #LIU Jie, #LIU Xinyu, #GUO Xiaoqing, YUAN Yixuan, "Joint Polyp Detection and Segmentation with Heterogeneous Endoscopic Data", <i>Proceedings of the 3rd International Workshop and Challenge on Computer Vision in Endoscopy (EndoCV 2021) - co-located with the 18th IEEE International Symposium on Biomedical Imaging (ISBI 2021)</i> , France, 13-13 April 2021, pp 69-79.
	#CHEN Zhen, #GUO Xiaoqing, #YANG Chen, IBRAGIMOV Bulat, YUAN Yixuan, "Joint Spatial-Wavelet Dual-Stream Network for Super-Resolution", <i>Medical Image Computing and Computer Assisted Intervention – MICCAI 2020 - 23rd International Conference Lima, Peru, October 4–8, 2020 Proceedings, Part V</i> , Lima, Peru, 04-08 October 2020, pp 184-193, (ISBN: 9783030597214,9783030597221).
GUO Xiaoyu	#GUO Xiaoyu, ZHANG Janet H., CHEUNG Roy T. H., CHAN Ho Man, CHEN Chao-Ying, "Right Temporal Oscillations of Infants in Relation to Contingent Learning", <i>42nd Annual International Conferences of the IEEE Engineering in Medicine and Biology Society - Enabling Innovative Technologies for Global Healthcare, EMBC 2020</i> , EMBS Virtual Academy, Montréal, Canada, 20-24 July 2020, pp 3273-3276, (ISBN: 978-1-7281-1990-8).
HAN Zeyu	JIA Qiang, #HAN Zeyu, TANG Kit Sang Wallace, #ZHOU Jianfeng, "Consensus in Multi-Agent System Under Aperiodic Denial-of-Service Attacks", <i>2020 IEEE International Symposium on Circuits and Systems (ISCAS) - Proceedings</i> , Virtual, Sevilla, Spain, 10-21 October 2020, (ISBN: 9781728133201,9781728133218).
HE Yaodong	LOU Yang, #HE Yaodong, WANG Lin, TSANG Kim Fung, CHEN Guanrong, "Predicting the Robustness of Undirected Network Controllability", <i>第三十九届中国控制会议 - The 39th Chinese Control Conference (CCC2020)</i> , Online, Shenyang, China, 27-29 July 2020, pp 4550-4553.
	#HE Yaodong, YUEN Shiu Yin Kelvin, "Black Box Algorithm Selection by Convolutional Neural Network", <i>Machine Learning, Optimization, and Data Science - 6th International Conference, LOD 2020, Siena, Italy, July 19–23, 2020, Revised Selected Papers</i> , Certosa di Pontignano, Siena, Italy, 19-23 July 2020, pp 264-280, (ISBN: 9783030645793).
HE Yaqing	#WANG Hao, #LIU Yucheng, #WEI Yang, #HE Yaqing, TSANG Kim Fung, LAI Loi-lei, LAI Chun Sing, "LP-INDEX: Explore the Best Practice of LPWAN Technologies in Smart City", <i>2020 IEEE</i>

Section A: Publications of PhD Students

	<p><i>International Smart Cities Conference (ISC2)</i>, Piscataway, United States, 28 September - 01 October 2020, (ISBN: 9781728182940).</p> <p>#HE Yaqing, CHOW Yuk Tak, CHI Haoran, TSANG Kim Fung, "IoT Tree Healthcare with Improved Sensor Deployment Scheme", <i>2020 IEEE 2nd International Workshop on System Biology and Biomedical Systems (SBBS)</i>, Taichung City, Taiwan, 03-04 December 2020, (ISBN: 978-0-7381-4281-4).</p>
<b>HUANG Ruixuan</b>	#HUANG Ruixuan, CHO William, SUN Yanni, CHAN Kei Hang Katie, "The Lung Cancer Associated MicroRNAs and Single Nucleotides Polymorphisms: a Mendelian Randomization Analysis", <i>2020 42nd Annual International Conference of the IEEE Engineering in Medicine &amp; Biology Society (EMBC)</i> , Virtual Conference, Montreal, Canada, 20-24 July 2020, pp 2346-2352, (ISBN: 9781728119908,9781728119915).
<b>IRFAN Muhammad</b>	#IRFAN Muhammad, VIPIN Kizheppatt, CHEUNG Chak Chung Ray, "On the Suitability of Read only Memory for FPGA-Based CAM Emulation Using Partial Reconfiguration", <i>Applied Reconfigurable Computing - Architectures, Tools, and Applications - 17th International Symposium, ARC 2021- Proceedings</i> , Virtual, Online, 29-30 June 2021, pp 305-314, (ISBN: 978-3-030-79024-0,978-3-030-79025-7).
<b>JIANG Mingjie</b>	#FAN Xinqi, #JIANG Mingjie, ZHANG Huaizhi, LI Yang, YAN Hong, "Quantized Separable Residual Network for Facial Expression Recognition on FPGA", <i>Cognitive Systems and Signal Processing - 5th International Conference, ICCSIP 2020, Revised Selected Papers</i> , Zhuhai, China, 25-27 December 2020, pp 3-14, (ISBN: 978-981-16-2335-6,978-981-16-2336-3).
	#JIANG Mingjie, SPENCE J. D., CHIU Bernard Chi Yuen, "Segmentation of 3D ultrasound carotid vessel wall using U-Net and segmentation average network", <i>2020 42nd Annual International Conference of the IEEE Engineering in Medicine Biology Society (EMBC)</i> , Montreal, Canada, 20-24 July 2020, pp 2043-2046, (ISBN: 978-1-7281-1990-8).
<b>JIANG Wenfan</b>	#JIANG Wenfan, CHIANG Kin Seng, "Mode (De)multiplexer Without Mode Conversion Based on Three-Core Waveguide Directional Coupler", <i>2020 Conference on Lasers and Electro-Optics Pacific Rim (CLEO-PR) - Proceedings</i> , Virtual, Sydney, Australia, 03-05 August 2020, (ISBN: 9780646825045,9781728143330).
<b>KHAN Tayyab Ali</b>	#KHAN Tayyab Ali, WONG Man Hon Alex, "Achieving Wideband Beam-Splitting with an Ultrathin Discrete Huygens' Metasurface", <i>2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, IEEECONF 2020 - Proceedings</i> , Virtually, Toronto, Canada, 05-10 July 2020, pp 761-762, (ISBN: 9781728166704).
<b>KONG Shangcheng</b>	#KONG Shangcheng, SHUM Kam Man, CHAN Chi Hou, "A Terahertz On-Chip Antenna With Wide Impedance and Gain Bandwidths", <i>The 21<sup>st</sup> IEEE (HK) AP/MTT Postgraduate Conference</i> , Virtual Event, 21-21 November 2020.
<b>LAM Ho Sang</b>	#LAM Ho Sang, TSANG Wai Ming Peter, "Enhanced jittered sampled phase-only hologram (EJSPOH)", <i>14th International Workshop on Holography and Related Technologies (IWH2020)</i> , Nantou, Taiwan, 13-15 October 2020.
<b>LAN Chuanlin</b>	#LIU Qi, #FENG Fan, #LAN Chuanlin, CHAN Ho Man, "VA2Mass: Towards the Fluid Filling Mass Estimation via Integration of Vision and Audio Learning", <i>Pattern Recognition - ICPR International Workshops and Challenges</i> , Proceedings, Virtual, Milan, Italy, 10-11 January 2021, pp 451-463, (ISBN: 9783030687922,9783030687939).
<b>LAU Kin Wai</b>	ZHOU Yuqian, KWAN Michael, TOLENTINO Kyle, EMERTON Neil, LIM Sehoon, LARGE Tim, FU Lijiang, PAN Zhihong, LI Baopu, YANG Qirui, LIU Yihao, TANG Jigang, KU Tao, MA Shibin, HU Bingnan, WANG Jiarong, PUTHUSSERY Densen, HRISHIKESH P. S., KURIAKOSE Melvin, JIJI C. V., SUNDAR Varun, HEGDE Sumanth, KOTHANDARAMAN Divya, MITRA Kaushik, JASSAL Akashdeep, SHAH Nisarg A., NATHAN Sabari, RAHEL Nagat Abdalla Esiad, CHEN Dafan, NIE Shichao, YIN Shuting, MA Chengconghui, WANG Haoran, ZHAO Tongtong, ZHAO Shanshan, REGO Joshua, CHEN Huaijin, LI Shuai, HU Zhenhua, #LAU Kin Wai, PO Lai Man, YU Dahai, REHMAN Yasar Abbas Ur, LI Yiqun, XING Lianping, "UDC 2020 Challenge on Image Restoration of Under-Display Camera: Methods and Results", <i>Computer Vision – ECCV 2020 Workshops - Proceedings</i> , Virtual, Glasgow, United Kingdom, 23-28 August 2020, pp 337-351, (ISBN: 9783030682378,9783030682385).
<b>LI Ao</b>	#LI Ao, LUK Kwai Man, "A Quad-Polarization Horn Antenna with Wide Overlapped Operating Band", <i>2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting</i> , American Radio Science Meeting, IEEECONF 2020 -



Section A: Publications of PhD Students

	<i>Proceedings - PROCEEDINGS</i> , Fairmont The Queen Elizabeth (Virtual), Montréal, Quebec, Canada, 05-10 July 2020, pp 551-552, (ISBN: 9781728166704,9781728166711).
<b>LI Wuyang</b>	# <a href="#">LI Wuyang</a> , # <a href="#">YANG Chen</a> , # <a href="#">LIU Jie</a> , # <a href="#">LIU Xinyu</a> , # <a href="#">GUO Xiaoqing</a> , <a href="#">YUAN Yixuan</a> , "Joint Polyp Detection and Segmentation with Heterogeneous Endoscopic Data", <i>Proceedings of the 3rd International Workshop and Challenge on Computer Vision in Endoscopy (EndoCV 2021) - co-located with the 18th IEEE International Symposium on Biomedical Imaging (ISBI 2021)</i> , France, 13-13 April 2021, pp 69-79.
<b>LI Yuanlong</b>	# <a href="#">LI Yuanlong</a> , <a href="#">LUK Kwai Man</a> , <a href="#">ZHU Shuyan</a> , <a href="#">PANG Stella W.</a> , "Terahertz High-gain Open Resonator Antenna Based on Silicon-Etching and Imprinting", <i>The 21st IEEE (HK) AP/MTT Postgraduate Conference</i> , Virtual Event, 21-21 November 2020.
<b>LIANG Shansuo</b>	# <a href="#">LIANG Shansuo</a> , <a href="#">LIANG Chulong</a> , <a href="#">MA Junjie</a> , <a href="#">LI Ping</a> , "Compressed-Coding and Analog Spatial-Coupling using AMP based Decoding", <i>2020 IEEE Global Communications Conference (GLOBECOM 2020) - Proceedings</i> , Virtual, Taipei, Taiwan, 07-11 December 2020, (ISBN: 978-1-7281-8298-8).
<b>LIU Jie</b>	# <a href="#">LI Wuyang</a> , # <a href="#">YANG Chen</a> , # <a href="#">LIU Jie</a> , # <a href="#">LIU Xinyu</a> , # <a href="#">GUO Xiaoqing</a> , <a href="#">YUAN Yixuan</a> , "Joint Polyp Detection and Segmentation with Heterogeneous Endoscopic Data", <i>Proceedings of the 3rd International Workshop and Challenge on Computer Vision in Endoscopy (EndoCV 2021) - co-located with the 18th IEEE International Symposium on Biomedical Imaging (ISBI 2021)</i> , France, 13-13 April 2021, pp 69-79.
<b>LIU Qi</b>	# <a href="#">LIU Qi</a> , # <a href="#">FENG Fan</a> , # <a href="#">LAN Chuanlin</a> , <a href="#">CHAN Ho Man</a> , "VA2Mass: Towards the Fluid Filling Mass Estimation via Integration of Vision and Audio Learning", <i>Pattern Recognition - ICPR International Workshops and Challenges</i> , Proceedings, Virtual, Milan, Italy, 10-11 January 2021, pp 451-463, (ISBN: 9783030687922,9783030687939). <a href="#">LI Zishen</a> , <a href="#">LAM Yun Wah</a> , # <a href="#">LIU Qi</a> , <a href="#">LAU Alison Y.K.</a> , <a href="#">AU-YEUNG Ho Yu</a> , <a href="#">CHAN Ho Man</a> , "Machine Learning-Driven Drug Discovery: Prediction of Structure-Cytotoxicity Correlation Leads to Identification of Potential Anti-Leukemia Compounds", <i>42nd Annual International Conferences of the IEEE Engineering in Medicine and Biology Society - "Enabling Innovative Technologies for Global Healthcare"</i> , EMBS Virtual Academy, Montréal, Canada, 20-24 July 2020, pp 5464-5467, (ISBN: 978-1-7281-1990-8,978-1-7281-1991-5).
<b>LIU Wenwen</b>	# <a href="#">LIU Wenwen</a> , <a href="#">YUEN Shiu Yin Kelvin</a> , <a href="#">SUNG Chi Wan</a> , "Composing Algorithm Portfolio with Problem Set of Unknown Distribution", <i>2020 IEEE Symposium Series on Computational Intelligence (SSCI)</i> , Virtual, Canberra, Australia, 01-04 December 2020, pp 814-821, (ISBN: 9781728125473,9781728125480).
<b>LIU Xinyu</b>	# <a href="#">LI Wuyang</a> , # <a href="#">YANG Chen</a> , # <a href="#">LIU Jie</a> , # <a href="#">LIU Xinyu</a> , # <a href="#">GUO Xiaoqing</a> , <a href="#">YUAN Yixuan</a> , "Joint Polyp Detection and Segmentation with Heterogeneous Endoscopic Data", <i>Proceedings of the 3rd International Workshop and Challenge on Computer Vision in Endoscopy (EndoCV 2021) - co-located with the 18th IEEE International Symposium on Biomedical Imaging (ISBI 2021)</i> , France, 13-13 April 2021, pp 69-79.
<b>LIU Yucheng</b>	# <a href="#">WANG Hao</a> , # <a href="#">LIU Yucheng</a> , # <a href="#">WEI Yang</a> , # <a href="#">HE Yaqing</a> , <a href="#">TSANG Kim Fung</a> , <a href="#">LAI Loi-lei</a> , <a href="#">LAI Chun Sing</a> , "LP-INDEX: Explore the Best Practice of LPWAN Technologies in Smart City", <i>2020 IEEE International Smart Cities Conference (ISC2)</i> , Piscataway, United States, 28 September - 01 October 2020, (ISBN: 9781728182940).
<b>LO King Tung</b>	<a href="#">GUO Qingyi</a> , # <a href="#">LO King Tung</a> , <a href="#">YANG Jing</a> , <a href="#">WONG Hang</a> , "160 GHz Dual-Polarized LTCC Based Antenna with Enhanced Bandwidth and Gain", <i>2020 Asia-Pacific Microwave Conference (APMC)</i> , IEEE AP/MTT Hong Kong Chapter, Virtual Conference, Hong Kong, China, 08-11 December 2020, pp 694-696, (ISBN: 9781728169620,9781728169637).
<b>MOSTAFA Salwa Said Hamed</b>	# <a href="#">MOSTAFA Salwa Said Hamed</a> , <a href="#">SUNG Chi Wan</a> , <a href="#">CHAN Terence H.</a> , <a href="#">XU Guangping</a> , "The Interplay between Index Coding, Caching, and Beamforming for Fog Radio Access Networks", <i>2020 IEEE Global Communications Conference (GLOBECOM)</i> , Virtual, Taipei, Taiwan, 07-11 December 2020, (ISBN: 9781728182988,9781728182995).
<b>OYESINA Kayode Adedotun</b>	# <a href="#">OYESINA Kayode Adedotun</a> , <a href="#">WONG Man Hon Alex</a> , "Metamaterial-loaded Huygens' Box Antenna: Highly-Directive Beam Steering with Very Few Phasing Elements", <i>2020 Asia-Pacific Microwave Conference, APMC 2020 - Proceeding</i> , IEEE AP/MTT Hong Kong Chapter, Virtual Conference, Hong Kong, China, 08-11 December 2020, pp 284-286, (ISBN: 978-1-7281-6962-0).

Section A: Publications of PhD Students

<b>PAN Yufei</b>	#PAN Yufei, <u>CHAN Wing Shing</u> , ZHENG Shaoyong, "A Highly Reconfigurable Coupler with Tunable Frequency, Phase Difference and Coupling Coefficient Based on Circular Patch", <i>2020 Asia-Pacific Microwave Conference, APMC 2020 - Proceeding</i> , IEEE AP/MTT Hong Kong Chapter, Virtual Conference, Hong Kong, China, 08-11 December 2020, pp 1033-1035, (ISBN: 978-1-7281-6962-0).
<b>QIAN Jingui</b>	#YANG Renhua, #QIAN Jingui, LEE En-yuan Joshua, "BOOSTING Q OF <100> ALIGNED ALN-ON-SILICON LATERALLY VIBRATING RESONATORS BY WIDE ACOUSTIC BANDGAP PHONONIC CRYSTAL ANCHORS", <i>2021 21st International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers)</i> , Virtual, Orlando, United States, 20-25 June 2021, pp 1375-1378, (ISBN: 978-0-7381-2562-6,978-1-6654-1267-4,978-1-6654-4845-1).
	#QIAN Jingui, #YANG Renhua, #BEGUM Habiba, LEE En-yuan Joshua, "RECONFIGURABLE ACOUSTOFLUIDIC MANIPULATION OF PARTICLES IN RING-LIKE RICH PATTERNS ENABLED ON A BULK MICROMACHINED SILICON CHIP", <i>2021 21st International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers)</i> , Virtual, Orlando, United States, 20-25 June 2021, pp 365-368, (ISBN: 978-0-7381-2562-6,978-1-6654-1267-4,978-1-6654-4845-1).
	#QIAN Jingui, #REN Jifeng, #LIU Yi, LAM Hiu Wai Raymond, LEE En-yuan Joshua, "Reusable acoustic tweezers enable 2D patterning of microparticles in microchamber on a disposable silicon chip superstrate", <i>IEEE Sensors 2020 - 2020 Conference Proceedings</i> , Virtual Conference, 25-28 October 2020, (ISBN: 978-1-7281-6801-2).
	#QIAN Jingui, #BEGUM Habiba, #YANG Renhua, LEE En-yuan Joshua, "ACOUSTICALLY DRIVEN DROPLET CENTRIFUGATION ENABLED BY FREQUENCY OPERATIONS BEYOND PHONONIC BANDGAPS", <i>2021 IEEE 34th International Conference on Micro Electro Mechanical Systems (MEMS)</i> , Online, Gainesville, United States, 25-29 January 2021, pp 172-175, (ISBN: 978-1-6654-1912-3,978-1-6654-3024-1).
<b>RIZWAN .</b>	WAQAS Muhammd, TAHIR Muhammad Atif, #RIZWAN ., "Ensemble-Based Instance Relevance Estimation in Multiple-Instance Learning", <i>Proceedings of the 2021 9th European Workshop on Visual Information Processing (EUVIP)</i> , Virtual, Paris, France, 23-25 June 2021, (ISBN: 9781665432306,9781665432313).
	#FAN Xinqi, #RIZWAN ., #SHAHID Ali Raza, #CAO Jianfeng, #YANG Luoxiao, YAN Hong, "Hybrid Separable Convolutional Inception Residual Network for Human Facial Expression Recognition", <i>Proceedings of 2020 International Conference on Machine Learning and Cybernetics</i> , Virtual, Adelaide, Australia, 04 December 2020, pp 21-26, (ISBN: 978-0-7381-2426-1,978-1-6654-1943-7,978-1-6654-3007-4).
<b>RUAN Jingya</b>	#DONG Jiaxin, #RUAN Jingya, #ZHANG Luan, <u>CHAN Sze Chun</u> , "Photonic Random Bit Generation Based on Chaotic Laser Diodes for Wireless Distribution", <i>Asia Communications and Photonics Conference 2020</i> , Beijing, China, 24-27 October 2020, (ISBN: 9781943580828).
	#DONG Jiaxin, #RUAN Jingya, #ZHANG Luan, <u>CHAN Sze Chun</u> , "Photonic Random Bit Generation Based on Chaotic Laser Diodes for Wireless Distribution", <i>2020 Asia Communications and Photonics Conference (ACP) and International Conference on Information Photonics and Optical Communications (IPOC) - Proceedings</i> , Beijing, China, 24-27 October 2020, (ISBN: 9781728176567,9781943580828).
<b>SHAHID Ali Raza</b>	#FAN Xinqi, #RIZWAN ., #SHAHID Ali Raza, #CAO Jianfeng, #YANG Luoxiao, YAN Hong, "Hybrid Separable Convolutional Inception Residual Network for Human Facial Expression Recognition", <i>Proceedings of 2020 International Conference on Machine Learning and Cybernetics</i> , Virtual, Adelaide, Australia, 04 December 2020, pp 21-26, (ISBN: 978-0-7381-2426-1,978-1-6654-1943-7,978-1-6654-3007-4).
<b>SHEN Ruihua</b>	#SHEN Ruihua, <u>CHUNG Shu Hung Henry</u> , "A Solution for the Full-bridge Grid-tie Inverter Using Single Virtual Ground Capacitor with UPWM", <i>ECCE 2020 - IEEE Energy Conversion Congress &amp; Expo</i> , Virtual, Detroit, United States, 11-15 October 2020, pp 347-355, (ISBN: 9781728158266).
<b>TANG Peiwen</b>	#TANG Peiwen, <u>WONG Hang</u> , "Wideband Substrate Integrated Waveguide Fed Circularly Polarized End-Fire Antenna with Tilted Beam", <i>2020 Asia-Pacific Microwave Conference (APMC)</i> , IEEE AP/MTT Hong Kong Chapter, Virtual Conference, Hong Kong, China, 08-11 December 2020, pp 706-708, (ISBN: 9781728169620,9781728169637).
<b>TO Yat Sing</b>	LIN Quanwei, #TO Yat Sing, <u>WONG Hang</u> , "A Dual-Polarized Lens Antenna Using Gradient Refractive Index (GRIN) Metasurface", <i>2020 Asia-Pacific Microwave Conference, APMC 2020</i>

Section A: Publications of PhD Students

	- <i>Proceeding</i> , IEEE AP/MTT Hong Kong Chapter, Virtual Conference, Hong Kong, China, 08-11 December 2020, pp 1063-1065, (ISBN: 978-1-7281-6962-0).
<b>TUNG Chung Pui</b>	#ZHANG Kun, FAN Wing To, #TUNG Chung Pui, CHUNG Shu Hung Henry, "Conducted EMI Suppression Using Power Semiconductor Filter in Fixed-Frequency Operation", <i>ECCE 2020 - IEEE Energy Conversion Congress &amp; Expo</i> , Virtual, Detroit, United States, 11-15 October 2020, pp 5875-5881, (ISBN: 9781728158266).
<b>UDDIN Md Shihab</b>	#UDDIN Md Shihab, LEE En-yuan Joshua, "A MILLIMETER SCALE PIEZOELECTRIC RECEIVER WITH SUB-MILLIWATT OUTPUT FOR ULTRASONIC WIRELESS POWER TRANSFER IN WATER", <i>2021 21st International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers)</i> , Virtual, Orlando, United States, 20-25 June 2021, pp 561-564, (ISBN: 978-0-7381-2562-6,978-1-6654-1267-4,978-1-6654-4845-1).
<b>WANG Hao</b>	#WANG Hao, #LIU Yucheng, #WEI Yang, #HE Yaqing, TSANG Kim Fung, LAI Loi-lei, LAI Chun Sing, "LP-INDEX: Explore the Best Practice of LPWAN Technologies in Smart City", <i>2020 IEEE International Smart Cities Conference (ISC2)</i> , Piscataway, United States, 28 September - 01 October 2020, (ISBN: 9781728182940).
<b>WANG Manting</b>	#WANG Manting, CHAN Chi Hou, "An Electrically-Thin Broadband Antenna With Stable Radiation Pattern", <i>2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting</i> , Fairmont The Queen Elizabeth, Montréal, Québec, Canada, 05-10 July 2020, pp 557-558, (ISBN: 9781728166704,9781728166711).
<b>WANG Muting</b>	#WANG Muting, PANG Stella W., "TRAVERSING BEHAVIOR OF NASOPHARYNGEAL EPITHELIAL AND CARCINOMA CELLS ON TWO-LAYER SCAFFOLD PLATFORMS", <i>The 34th IEEE International Conference on Micro Electro Mechanical Systems (MEMS2021)</i> , Online, Gainesville, United States, 25-29 January 2021, pp 513-516, (ISBN: 9781665419123,9781665430241).
<b>WEI Yang</b>	#WANG Hao, #LIU Yucheng, #WEI Yang, #HE Yaqing, TSANG Kim Fung, LAI Loi-lei, LAI Chun Sing, "LP-INDEX: Explore the Best Practice of LPWAN Technologies in Smart City", <i>2020 IEEE International Smart Cities Conference (ISC2)</i> , Piscataway, United States, 28 September - 01 October 2020, (ISBN: 9781728182940).
<b>WU Chong</b>	ZHANG Houwang, #WU Chong, ZHANG Le, ZHENG Hanying, "A NOVEL CENTROID UPDATE APPROACH FOR CLUSTERING-BASED SUPERPIXEL METHODS AND SUPERPIXEL-BASED EDGE DETECTION", <i>2020 IEEE International Conference on Image Processing - Proceedings</i> , Virtual Conference, Abu Dhabi, United Arab Emirates, 25-28 October 2020, pp 693-697, (ISBN: 978-1-7281-6395-6).
<b>WU Gengbo</b>	#WU Gengbo, CHAN Chi Hou, "3-D Printed Terahertz Lens with 2-D Near-Field Focus-Scanning Capability", <i>2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting - PROCEEDINGS</i> , Fairmont The Queen Elizabeth (Virtual), Montréal, Quebec, Canada, 05-10 July 2020, pp 1557-1558, (ISBN: 9781728166704,9781728166711).
	#WU Gengbo, CHAN Ka Fai, SHUM Kam Man, CHAN Chi Hou, "Transmitarray Antenna for Generating Multiple OAM Modes", <i>2020 Asia-Pacific Microwave Conference (APMC)</i> , IEEE AP/MTT Hong Kong Chapter, Virtual Conference, Hong Kong, China, 08-11 December 2020, pp 700-702, (ISBN: 9781728169620,9781728169637).
	YEUNG Yat Long, CHEAH Jon, #WU Gengbo, CHAN Ka Fai, CHAN Chi Hou, "3-D Printed Circularly Polarized Terahertz Lens for Bessel Beam Generation", <i>Proceedings of the 2020 IEEE International Conference on Computational Electromagnetics (ICCEM 2020)</i> , Singapore, 24-26 August 2020, pp 19-20, (ISBN: 978-1-7281-3448-2).
<b>XIAN Pengfei</b>	#ZHAO Yuzhi, PO Lai Man, #LIN Tingyu, WANG Xuehui, LIU Kangcheng, #ZHANG Yujia, #YU Wing Yin, #XIAN Pengfei, #XIONG Jingjing, "Legacy Photo Editing with Learned Noise Prior", <i>IEEE/CVF Winter Conference on Applications of Computer Vision (WACV 2021)</i> , virtual, 05-09 January 2021, pp 2103-2112.
<b>XIONG Jingjing</b>	#ZHAO Yuzhi, PO Lai Man, #LIN Tingyu, WANG Xuehui, LIU Kangcheng, #ZHANG Yujia, #YU Wing Yin, #XIAN Pengfei, #XIONG Jingjing, "Legacy Photo Editing with Learned Noise Prior", <i>IEEE/CVF Winter Conference on Applications of Computer Vision (WACV 2021)</i> , virtual, 05-09 January 2021, pp 2103-2112.
<b>XUE Chen</b>	#XUE Chen, WONG Man Hon Alex, "A Wide-Angle Series-Fed Active Metasurface", <i>2020 Asia-Pacific Microwave Conference (APMC)</i> , IEEE AP/MTT Hong Kong Chapter, Virtual Conference,

Section A: Publications of PhD Students

	<p>Hong Kong, China, 08-11 December 2020, pp 267-269, (ISBN: 9781728169620,9781728169637).</p> <p>#XUE Chen, ZHOU Gabriel G. L., WONG Man Hon Alex, "Improving Homogeneity for MRI RF Field at 3T Using a Huygens' Box", <i>2020 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting - PROCEEDINGS</i>, Fairmont The Queen Elizabeth (Virtual), Montréal, Quebec, Canada, 05-10 July 2020, pp 915-916, (ISBN: 9781728166704,9781728166711).</p>
<b>YANG Chen</b>	<p>#GUO Xiaoqing, #YANG Chen, LI Baopu, YUAN Yixuan, "MetaCorrection: Domain-aware Meta Loss Correction for Unsupervised Domain Adaptation in Semantic Segmentation", <i>Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)</i>, Virtual, 19-25 June 2021, pp 3927-3936.</p> <p>#LI Wuyang, #YANG Chen, #LIU Jie, #LIU Xinyu, #GUO Xiaoqing, YUAN Yixuan, "Joint Polyp Detection and Segmentation with Heterogeneous Endoscopic Data", <i>Proceedings of the 3rd International Workshop and Challenge on Computer Vision in Endoscopy (EndoCV 2021) - co-located with the 18th IEEE International Symposium on Biomedical Imaging (ISBI 2021)</i>, France, 13-13 April 2021, pp 69-79.</p> <p>#CHEN Zhen, #GUO Xiaoqing, #YANG Chen, IBRAGIMOV Bulat, YUAN Yixuan, "Joint Spatial-Wavelet Dual-Stream Network for Super-Resolution", <i>Medical Image Computing and Computer Assisted Intervention – MICCAI 2020 - 23rd International Conference Lima, Peru, October 4–8, 2020 Proceedings, Part V</i>, Lima, Peru, 04-08 October 2020, pp 184-193, (ISBN: 9783030597214,9783030597221).</p>
<b>YANG Chen</b>	<p>#YANG Chen, XIAO Yuqi, LEUNG Kwok Wa, "A 3D-Printed Wideband Multilayered Cylindrical Dielectric Resonator Antenna with Air Layers", <i>2020 Asia-Pacific Microwave Conference (APMC)</i>, IEEE AP/MTT Hong Kong Chapter, Virtual Conference, Hong Kong, China, 08-11 December 2020, pp 561-563, (ISBN: 9781728169620,9781728169637).</p> <p>#YANG Chen, XIAO Yuqi, LEUNG Kwok Wa, "A 3D-printing Wideband Multilayered Inverted Truncated Conical Dielectric Resonator Antenna With Serrated Ground", <i>2020 Cross Strait Radio Science and Wireless Technology Conference (CSRSWTC) - Proceedings</i>, Aerospace Information Research Institute, Chinese Academy of Science (AIRCAS) and Fuzhou University, Fuzhou, Fujian, China, 13-16 December 2020, (ISBN: 9781728181813,9781728181820).</p>
<b>YANG Qiushi</b>	<p>#YANG Qiushi, YUAN Yixuan, "Learning Dynamic Convolutions for Multi-modal 3D MRI Brain Tumor Segmentation", <i>Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries - 6th International Workshop, BrainLes 2020, Held in Conjunction with MICCAI 2020, Lima, Peru, October 4, 2020, Revised Selected Papers, Part II</i>, Virtual, Lima, Peru, 04-04 October 2020, pp 441-451, (ISBN: 9783030720865,9783030720872).</p>
<b>YU Wing Yin</b>	<p>#ZHAO Yuzhi, PO Lai Man, #LIN Tingyu, WANG Xuehui, LIU Kangcheng, #ZHANG Yujia, #YU Wing Yin, #XIAN Pengfei, #XIONG Jingjing, "Legacy Photo Editing with Learned Noise Prior", <i>IEEE/CVF Winter Conference on Applications of Computer Vision (WACV 2021)</i>, virtual, 05-09 January 2021, pp 2103-2112.</p>
<b>ZHANG Kun</b>	<p>#ZHANG Kun, FAN Wing To, #TUNG Chung Pui, CHUNG Shu Hung Henry, "Conducted EMI Suppression Using Power Semiconductor Filter in Fixed-Frequency Operation", <i>ECCE 2020 - IEEE Energy Conversion Congress &amp; Expo</i>, Virtual, Detroit, United States, 11-15 October 2020, pp 5875-5881, (ISBN: 9781728158266).</p>
<b>ZHANG Luan</b>	<p>#DONG Jiaxin, #RUAN Jingya, #ZHANG Luan, CHAN Sze Chun, "Photonic Random Bit Generation Based on Chaotic Laser Diodes for Wireless Distribution", <i>Asia Communications and Photonics Conference 2020</i>, Beijing, China, 24-27 October 2020, (ISBN: 9781943580828).</p> <p>#DONG Jiaxin, #RUAN Jingya, #ZHANG Luan, CHAN Sze Chun, "Photonic Random Bit Generation Based on Chaotic Laser Diodes for Wireless Distribution", <i>2020 Asia Communications and Photonics Conference (ACP) and International Conference on Information Photonics and Optical Communications (IPOC) - Proceedings</i>, Beijing, China, 24-27 October 2020, (ISBN: 9781728176567,9781943580828).</p>
<b>ZHANG Ming</b>	<p>#ZHANG Ming, YAN Hong, "Improved Deep Classwise Hashing With Centers Similarity Learning for Image Retrieval", <i>Proceedings of ICPR 2020 - 25th International Conference on Pattern Recognition</i>, Virtual, Milan, Italy, 10-15 January 2021, pp 10516-10523, (ISBN: 978-1-7281-8808-9,978-1-7281-8809-6).</p>

Section A: Publications of PhD Students

<b>ZHANG Shengxin</b>	WANG H. J., #ZHANG Shengxin, XIANG B. J., ZHENG Shaoyong, "Differential Evolution Optimization Algorithm for Electromagnetic Device Design with High-dimensional Mixed Discrete-Continuous Variables", <i>2020 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization, NEMO 2020</i> , Virtual, Hangzhou, China, 07-09 December 2020, (ISBN: 9781728169668,9781728169675).
<b>ZHANG Yujia</b>	#ZHAO Yuzhi, PO Lai Man, #LIN Tingyu, WANG Xuehui, LIU Kangcheng, #ZHANG Yujia, #YU Wing Yin, #XIAN Pengfei, #XIONG Jingjing, "Legacy Photo Editing with Learned Noise Prior", <i>IEEE/CVF Winter Conference on Applications of Computer Vision (WACV 2021)</i> , virtual, 05-09 January 2021, pp 2103-2112.
<b>ZHAO Yuzhi</b>	#ZHAO Yuzhi, PO Lai Man, #LIN Tingyu, WANG Xuehui, LIU Kangcheng, #ZHANG Yujia, #YU Wing Yin, #XIAN Pengfei, #XIONG Jingjing, "Legacy Photo Editing with Learned Noise Prior", <i>IEEE/CVF Winter Conference on Applications of Computer Vision (WACV 2021)</i> , virtual, 05-09 January 2021, pp 2103-2112.
	78 authors and including, ZHANG Kai, DANELLJAN Martin, LI Yawei, TIMOFTE Radu, LIU Jie, TANG Jie, WU Gangshan, ZHU Yu, HE Xiangyu, XU Wenjie, LI Chenghua, LENG Cong, CHENG Jian, WU Guangyang, WANG Wenyi, LIU Xiaohong, ZHAO Hengyuan, KONG Xiangtao, HE Jingwen, QIAO Yu, DONG Chao, LUO Xiaotong, CHEN Liang, ZHANG Jiangtao, SUIN Maitreya, PUROHIT Kuldeep, RAJAGOPALAN A. N., LI Xiaochuan, LANG Zhiqiang, NIE Jiangtao, WEI Wei, ZHANG Lei, MUQEET Abdul, HWANG Jiwon, YANG Subin, KANG JungHeum, BAE Sung-Ho, KIM Yongwoo, QU Yanyun, JEON Geun-Woo, CHOI Jun-Ho, KIM Jun-Hyuk, LEE Jong-Seok, MARTY Steven, MARTY Eric, XIONG Dongliang, CHEN Siang, ZHA Lin, JIANG Jiande, #ZHAO Yuzhi, "AIM 2020 Challenge on Efficient Super-Resolution: Methods and Results", <i>Computer Vision – ECCV 2020 Workshops - Proceedings</i> , Virtual, Glasgow, United Kingdom, 23-28 August 2020, pp 5-40, (ISBN: 9783030670696,9783030670702).
	WANG Xuehui, WANG Qing, #ZHAO Yuzhi, YAN Junchi, FAN Lei, CHEN Long, "Lightweight Single-Image Super-Resolution Network with Attentive Auxiliary Feature Learning", <i>Computer Vision – ACCV 2020 - 15th Asian Conference on Computer Vision, Kyoto, Japan, November 30 – December 4, 2020, Revised Selected Papers</i> , Virtual, Kyoto, Japan, 30 November - 04 December 2020, pp 268-285, (ISBN: 9783030695316,9783030695323).
<b>ZHOU Jianfeng</b>	JIA Qiang, #HAN Zeyu, TANG Kit Sang Wallace, #ZHOU Jianfeng, "Consensus in Multi-Agent System Under Aperiodic Denial-of-Service Attacks", <i>2020 IEEE International Symposium on Circuits and Systems (ISCAS) - Proceedings</i> , Virtual, Sevilla, Spain, 10-21 October 2020, (ISBN: 9781728133201,9781728133218).
	#ZHOU Jianfeng, TANG Kit Sang Wallace, "Feature-Embedded Evolutionary Algorithm for Network Optimization", <i>2020 IEEE International Symposium on Circuits and Systems (ISCAS) - Proceedings</i> , Virtual, Sevilla, Spain, 10-21 October 2020, (ISBN: 978-1-7281-3320-1,978-1-7281-3321-8).
<b>ZHOU Liheng</b>	#ZHOU Liheng, ZHOU Xinyu, CHAN Wing Shing, PANG Jing Zhou, HO Derek, "Integrated Filtering Class-F Power Amplifier Based on Microstrip Multimode Resonator", <i>Proceedings of the 2020 IEEE/MTT-S International Microwave Symposium</i> , Virtual Event, Los Angeles, CA, United States, 04-06 August 2020, pp 119-122, (ISBN: 978-1-7281-6815-9).
<b>Patents, agreements, assignments and companies</b>	
<b>CHENG Chun Sing</b>	#CHENG Chun Sing, CHUNG Shu Hung Henry, LAU Wing Hong Ricky, Method and An Apparatus for Use in an Electric Circuit, Patent No.: US10,761,123, United States, 01 September 2020.
<b>KREMER Hauke Ingolf</b>	LEE Wai Ki, LEUNG Kwok Wa, #KREMER Hauke Ingolf, Substrate-Integrated Device And Method for Making The Same, Patent No.: US10,856,408, United States, 01 December 2020.
<b>LAI Chun Tak</b>	CHUNG Shu Hung Henry, HE Yuanbin, #LAI Chun Tak, Electric Circuit and Associated Method for Regulating Power Transfer in a Power Grid, Patent No.: US10,720,773, United States, 21 July 2020.
<b>LIU Yan Ting</b>	LEUNG Kwok Wa, #LIU Yan Ting, REN Jian, Filtering Dielectric Resonator Antennas Implementing Radiation Cancellation, Patent No.: US10,833,417, United States, 10 November 2020.
<b>YEUNG Shun Cheung</b>	#YEUNG Shun Cheung, CHUNG Shu Hung Henry, FAN Wing To, System And Method for Controlling A Switching Network of A Power Regulation Circuit, Patent No.: US15/701,635, United States, 25 May 2021.

Section A: Publications of PhD Students

All other outputs	
<b>AGADAGBA Stephen Kugbere</b>	#AGADAGBA Stephen Kugbere, CHAN L H Leanne, The HKIE Outstanding Paper Award for Young Engineers/Researchers 2020, Modulation of narrowband and broadband gamma connectivity in retinal degeneration mice according to electrical stimulation pulse width, Hong Kong Institution of Engineering (HKIE), 29 July 2020.
	#AGADAGBA Stephen Kugbere, #ELDALY Abdelrahman Bakr Mohammed Abdelnaby, CHAN L H Leanne, Second-prize Winner, The IEEE EMB Hong Kong – Macau Joint Chapter Student Project Competition 2020, IEEE EMBS Hong Kong-Macau Chapter Student Competition, 19 August 2020.
<b>CHENG Yijun</b>	#CHENG Yijun, ZHU Shuyan, PANG Stella W., Finalist for Outstanding Student Paper Award, Directing Cell Migration with Patterned Nanostructures, 34th IEEE International Conference on Micro Electro Mechanical Systems (IEEE MEMS 2021), United States, 2021.
<b>DING Chen</b>	#DING Chen, <i>Artificial Anisotropic Materials for Antenna Designs and Measurements</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 30 October 2020.
<b>ELDALY Abdelrahman Bakr Mohammed Abdelnaby</b>	#AGADAGBA Stephen Kugbere, #ELDALY Abdelrahman Bakr Mohammed Abdelnaby, CHAN L H Leanne, Second-prize Winner, The IEEE EMB Hong Kong – Macau Joint Chapter Student Project Competition 2020, IEEE EMBS Hong Kong-Macau Chapter Student Competition, 19 August 2020.
<b>GHOSH Avirup</b>	#GHOSH Avirup, <i>Comprehensive Stability Analysis of EGFR Related to Non-Small Cell Lung Cancer</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 25 August 2020.
<b>GUO Liping</b>	#GUO Liping, <i>Periodic Nonuniform Sampling and Reconstruction of Modulated Signals</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 20 January 2021.
<b>HUNG Faan Hei</b>	#HUNG Faan Hei, <i>Computational Studies for Smart Building Applications: Localization, Car Parking and Healthcare</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 22 January 2021.
<b>KONG Shangcheng</b>	#KONG Shangcheng, SHUM Kam Man, CHAN Chi Hou, Antenna and Propagation FIRST PRIZE in The 21st IEEE (HK) AP/MTT Postgraduate Conference, The 21 <sup>st</sup> IEEE (HK) AP/MTT Postgraduate Conference, IEEE Hong Kong Section, 21 November 2020.
<b>LI Ao</b>	#LI Ao, <i>Wideband End-Fire Millimeter-Wave Antenna Arrays</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 14 December 2020.
<b>LI Binghui</b>	#LI Binghui, <i>Evanescence Scattering by Ferromagnetic Microparticles for Versatile Optical Sensing</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 04 September 2020.
<b>LI Fan</b>	#LI Fan, <i>A Study of Network Neutrality and Differentiated Services</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 23 December 2020.
<b>LI Yuanlong</b>	ZHU Shuyan, #LI Yuanlong, LUK Kwai Man, PANG Stella W., Second Prize of Antenna and Propagation Student Paper Award, Terahertz High-gain Open Resonator Antenna Based on Silicon-Etching and Imprinting, The 21 <sup>st</sup> IEEE (HK) AP/MTT Postgraduate Conference, 2020.
<b>LIU Yan Ting</b>	#LIU Yan Ting, <i>Design of Filtering Antenna for Wireless Communications</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 21 August 2020.
<b>LIU Yucheng</b>	#WANG Hao, #WEI Yang, #LIU Yucheng, KOO Cheon Hoi, WAN Wai Hin, Champion, IEEE IES Inter Chapter Paper Competition 2020 (IPC 2020), Champion, IEEE Industrial Electronics Society (IEEE-IES), 2020.
<b>LU Xiaolei</b>	#LU Xiaolei, <i>Sequence Labeling with Multiple Annotations</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 11 September 2020.
<b>NAWAZ Mehmood</b>	#NAWAZ Mehmood, <i>Saliency Detection and Feature Matching for Object Segmentation in Digital Images</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 13 August 2020.
<b>RIZWAN .</b>	#RIZWAN ., <i>Analyze, Visualize, and Predict Lung Cancer Drug Resistance based on Molecular Dynamics Simulation and Machine Learning</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 01 March 2021.

Section A: Publications of PhD Students

<b>WANG Hao</b>	#WANG Hao, #WEI Yang, 2nd runner up, Young professionals exhibition and competition (YPEC 2020) , Young Professionals Exhibition & Competition 2020, Younger Members Section of The Institute of Engineering and Technology Hong Kong (The IET Hong Kong), 2020.
	#WANG Hao, #WEI Yang, #LIU Yucheng, KOO Cheon Hoi, WAN Wai Hin, Champion, IEEE IES Inter Chapter Paper Competition 2020 (IPC 2020), Champion, IEEE Industrial Electronics Society (IEEE-IES), 2020.
<b>WANG Kewei</b>	#WANG Kewei, <i>Novel Insights of Linear Power MOSFETs and Their Applications in Switching Converters</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 23 December 2020.
<b>WANG Muting</b>	#WANG Muting, PANG Stella W., Best Poster Award, Controlled Scaffold Platform Designs on Nasopharyngeal Carcinoma Cell Separation, EE Research Student Symposium 2021, Department of Electrical Engineering, 04 June 2021.
<b>WEI Yang</b>	#WANG Hao, #WEI Yang, 2nd runner up, Young professionals exhibition and competition (YPEC 2020) , Young Professionals Exhibition & Competition 2020, Younger Members Section of The Institute of Engineering and Technology Hong Kong (The IET Hong Kong), 2020.
	#WANG Hao, #WEI Yang, #LIU Yucheng, KOO Cheon Hoi, WAN Wai Hin, Champion, IEEE IES Inter Chapter Paper Competition 2020 (IPC 2020), Champion, IEEE Industrial Electronics Society (IEEE-IES), 2020.
<b>WU Gengbo</b>	#WU Gengbo, <i>Research on High-Gain Millimeter-Wave and Terahertz Antennas for 5G and Beyond</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 10 February 2021.
<b>XIA Zhenxing</b>	#XIA Zhenxing, <i>3-D-Printed Dielectric Resonator Antennas for Wireless Communications</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 16 September 2020.
<b>XU Yuanhao</b>	#XU Yuanhao, <i>Biomedical Platforms for In-vitro Cell Interaction Manipulation and Real-time Position Control in Neural Probes</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 11 September 2020.
<b>ZENG Jingtao</b>	#ZENG Jingtao, <i>Novel Wideband Magneto-electric Dipole Antennas</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 16 September 2020.
<b>ZHANG Qingle</b>	#ZHANG Qingle, <i>Designs of Functional Devices Based on Spoof Surface Plasma Polaritons</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 30 October 2020.
<b>ZHANG Rongbin</b>	#ZHANG Rongbin, <i>Precoder Design for MIMO Systems with User Cooperation and Non-Orthogonal Multiple Access</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 04 September 2020.
<b>ZHANG Shengxin</b>	#ZHANG Shengxin, <i>Explicit Exploitation and Exploration Control in Evolutionary Optimization</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 07 August 2020.
<b>ZHANG Yue</b>	#ZHANG Yue, <i>Optimal Placement of Access Points for Infrastructure-based Wireless Communication Networks</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 01 March 2021.
<b>ZHOU Chang</b>	#ZHOU Chang, <i>Data-Driven Compact Feature Learning for Visual Retrieval</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 01 March 2021.
<b>ZHOU Jianfeng</b>	#ZHOU Jianfeng, <i>A Deeper Understanding of Human Mobility and its Consequent Pluralism via Modeling and Optimization</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 11 June 2021.
<b>ZHOU Liheng</b>	#ZHOU Liheng, <i>Study on Symmetrical and Asymmetrical Filters and Their Use in High-Efficiency Power Amplifiers</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 26 May 2021.
<b>ZHU Hongxu</b>	#ZHU Hongxu, <i>Enhancing the Applicability of Low Power Wide Area Networks in IoT-Oriented Smart City Deployment</i> , PhD Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 22 January 2021.
<b>DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING</b>	
<b>Journal publications</b>	

## Section A: Publications of PhD Students

<b>ABBAS Waseem</b>	# <a href="#">ABBAS Waseem</a> , <a href="#">HO Derek</a> , <a href="#">PRAMANICK Abhijit</a> , "High Energy Efficiency and Thermal Stability of BaTiO <sub>3</sub> -BiScO <sub>3</sub> Thin Films Based on Defects Engineering", <i>ACS Applied Electronic Materials</i> , 3(3), 19 February 2021, pp 1097–1106, doi: <a href="https://doi.org/10.1021/acsaelm.0c00932">https://doi.org/10.1021/acsaelm.0c00932</a> .
<b>ADESINA Ayotunde Emmanuel</b>	# <a href="#">MUSAH Jamal-Deen</a> , <a href="#">GUO Chen</a> , <a href="#">NOVITSKII Andrei</a> , <a href="#">SERHIIENKO Illia</a> , <a href="#">ADESINA Ayotunde Emmanuel</a> , <a href="#">KHOVAYLO Vladimir</a> , <a href="#">WU Lawrence</a> , <a href="#">ZAPIEN Juan Antonio</a> , <a href="#">VELLAISAMY Arul Lenus Roy</a> , "Ultralow Thermal Conductivity in Dual-Doped n-Type Bi <sub>2</sub> Te <sub>3</sub> Material for Enhanced Thermoelectric Properties", <i>Advanced Electronic Materials</i> , 7(2), 12 January 2021, doi: <a href="https://doi.org/10.1002/aelm.202000910">https://doi.org/10.1002/aelm.202000910</a> .
<b>ARAVA Clementmanohar</b>	# <a href="#">SAW Lin Oo</a> , <a href="#">VENKATESH Shishir</a> , <a href="#">KARTHIKEYAN Vaithinathan</a> , <a href="#">ARAVA Clementmanohar</a> , <a href="#">PATHIKONDA SEELESH Spoorthy</a> , <a href="#">YU Kwan Ngok Peter</a> , <a href="#">LAU Chi Kong Terrence</a> , <a href="#">CHEN Xianfeng</a> , <a href="#">VELLAISAMY Arul Lenus Roy</a> , "Highly Sensitive and Cost-Effective Portable Sensor for Early Gastric Carcinoma Diagnosis", <i>Sensors</i> , 21(8), 09 April 2021, doi: <a href="https://doi.org/10.3390/s21082639">https://doi.org/10.3390/s21082639</a> .
<b>BU Shuyu</b>	# <a href="#">KONG Xin</a> , <a href="#">GAO Qili</a> , <a href="#">BU Shuyu</a> , <a href="#">XU Zian</a> , <a href="#">SHEN Dong</a> , <a href="#">LIU Bin</a> , <a href="#">LEE Chun Sing</a> , <a href="#">ZHANG Wenjun</a> , "Plasma-assisted synthesis of nickel-cobalt nitride–oxide hybrids for high-efficiency electrochemical hydrogen evolution", <i>Materials Today Energy</i> , 21, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100784">https://doi.org/10.1016/j.mtener.2021.100784</a> .
<b>CAO Boxuan</b>	# <a href="#">CAO Boxuan</a> , <a href="#">KONG Hao Jie</a> , <a href="#">FAN L.</a> , <a href="#">LUAN Junhua</a> , <a href="#">JIAO Z. B.</a> , <a href="#">KAI Ji-jung</a> , <a href="#">YANG Tao</a> , <a href="#">LIU Chain Tsuan</a> , "Heterogenous columnar-grained high-entropy alloys produce exceptional resistance to intermediate-temperature intergranular embrittlement", <i>Scripta Materialia</i> , 194, 18 November 2020, doi: <a href="https://doi.org/10.1016/j.scriptamat.2020.11.007">https://doi.org/10.1016/j.scriptamat.2020.11.007</a> . # <a href="#">CAO Boxuan</a> , <a href="#">YANG Tao</a> , <a href="#">FAN L.</a> , <a href="#">LUAN Junhua</a> , <a href="#">JIAO Z. B.</a> , <a href="#">LIU Chain Tsuan</a> , "Refractory alloying additions on the thermal stability and mechanical properties of high-entropy alloys", <i>Materials Science and Engineering A</i> , 797, 10 August 2020, doi: <a href="https://doi.org/10.1016/j.msea.2020.140020">https://doi.org/10.1016/j.msea.2020.140020</a> . # <a href="#">CAO Boxuan</a> , <a href="#">KONG Hao Jie</a> , <a href="#">DING Z. Y.</a> , <a href="#">WU S. W.</a> , <a href="#">LUAN Junhua</a> , <a href="#">JIAO Zengbao</a> , <a href="#">LU Jian</a> , <a href="#">LIU Chain Tsuan</a> , <a href="#">YANG Tao</a> , "A novel L1 <sub>2</sub> -strengthened multicomponent Co-rich high-entropy alloy with both high $\gamma$ '-solvus temperature and superior high-temperature strength", <i>Scripta Materialia</i> , 199, 11 March 2021, doi: <a href="https://doi.org/10.1016/j.scriptamat.2021.113826">https://doi.org/10.1016/j.scriptamat.2021.113826</a> . <a href="#">DING Z. Y.</a> , <a href="#">CAO Boxuan</a> , <a href="#">LUAN Junhua</a> , <a href="#">JIAO Z. B.</a> , "Synergistic effects of Al and Ti on the oxidation behaviour and mechanical properties of L1 <sub>2</sub> -strengthened FeCoCrNi high-entropy alloys", <i>Corrosion Science</i> , 184, 03 March 2021, doi: <a href="https://doi.org/10.1016/j.corsci.2021.109365">https://doi.org/10.1016/j.corsci.2021.109365</a> .
<b>CHEN Ao</b>	# <a href="#">MA Longtao</a> , <a href="#">CHEN Shengmei</a> , <a href="#">LI Xinliang</a> , <a href="#">CHEN Ao</a> , <a href="#">DONG Binbin</a> , <a href="#">ZHI Chunyi</a> , "Liquid-Free All-Solid-State Zinc Batteries and Encapsulation-Free Flexible Batteries Enabled by In Situ Constructed Polymer Electrolyte", <i>Angewandte Chemie - International Edition</i> , 59(52), 16 September 2020, pp 23836–23844, doi: <a href="https://doi.org/10.1002/anie.202011788">https://doi.org/10.1002/anie.202011788</a> . # <a href="#">CHEN Ze</a> , <a href="#">MO Funian</a> , <a href="#">WANG Tairan</a> , <a href="#">YANG Qi</a> , <a href="#">HUANG Zhaodong</a> , <a href="#">WANG Donghong</a> , <a href="#">LIANG Guojin</a> , <a href="#">CHEN Ao</a> , <a href="#">LI Qing</a> , <a href="#">GUO Ying</a> , <a href="#">LI Xinliang</a> , <a href="#">FAN Jun</a> , <a href="#">ZHI Chunyi</a> , "Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i> , 14(4), 02 March 2021, pp 2441–2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a> . # <a href="#">GUO Xun</a> , <a href="#">YANG Shuo</a> , <a href="#">WANG Donghong</a> , <a href="#">CHEN Ao</a> , <a href="#">WANG Yanbo</a> , <a href="#">LI Pei</a> , <a href="#">LIANG Guojin</a> , <a href="#">ZHI Chunyi</a> , "The energy storage mechanisms of MnO <sub>2</sub> in batteries", <i>Current Opinion in Electrochemistry</i> , 30, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.coelec.2021.100769">https://doi.org/10.1016/j.coelec.2021.100769</a> . # <a href="#">CHEN Ze</a> , <a href="#">LI Xinliang</a> , <a href="#">WANG Donghong</a> , <a href="#">YANG Qi</a> , <a href="#">MA Longtao</a> , <a href="#">HUANG Zhaodong</a> , <a href="#">LIANG Guojin</a> , <a href="#">CHEN Ao</a> , <a href="#">GUO Ying</a> , <a href="#">DONG Binbin</a> , <a href="#">HUANG Xingyi</a> , <a href="#">YANG Cheng</a> , <a href="#">ZHI Chunyi</a> , "Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures", <i>Energy &amp; Environmental Science</i> , 14(6), 21 April 2021, pp 3492–3501, doi: <a href="https://doi.org/10.1039/d1ee00409c">https://doi.org/10.1039/d1ee00409c</a> . # <a href="#">CHEN Ao</a> , <a href="#">GUO Xun</a> , <a href="#">YANG Shuo</a> , <a href="#">LIANG Guojin</a> , <a href="#">LI Qing</a> , <a href="#">CHEN Ze</a> , <a href="#">HUANG Zhaodong</a> , <a href="#">YANG Qi</a> , <a href="#">HAN Cuiping</a> , <a href="#">ZHI Chunyi</a> , "Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities", <i>Energy &amp; Environmental Science</i> , 14(6), 01 May 2021, pp 3599–3608, doi: <a href="https://doi.org/10.1039/d1ee00480h">https://doi.org/10.1039/d1ee00480h</a> .



## Section A: Publications of PhD Students

<b>CHEN Chang</b>	# <u>CHEN Chang</u> , <u>HUANG Chih-Ching</u> , <u>DUH J. G.</u> , "Self-template fabrication of multi-scaled ZnFe <sub>2</sub> O <sub>4</sub> microspheres and their excellent lithium-ion storage properties", <i>Journal of Alloys and Compounds</i> , 862, 09 January 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.158342">https://doi.org/10.1016/j.jallcom.2020.158342</a> .
<b>CHEN Dong</b>	# <u>ZHANG Shaoce</u> , <u>ZHANG Bo</u> , # <u>CHEN Dong</u> , <u>GUO Zhengang</u> , <u>RUAN Mengnan</u> , <u>LIU Zhifeng</u> , "Promising pyro-photo-electric catalysis in NaNbO <sub>3</sub> via integrating solar and cold-hot alternation energy in pyroelectric-assisted photoelectrochemical system", <i>Nano Energy</i> , 79, January 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105485">https://doi.org/10.1016/j.nanoen.2020.105485</a> . # <u>ZHANG Shaoce</u> , # <u>CHEN Dong</u> , <u>LIU Zhifeng</u> , <u>RUAN Mengnan</u> , <u>GUO Zhengang</u> , "Novel strategy for efficient water splitting through pyro-electric and pyro-photo-electric catalysis of BaTiO <sub>3</sub> by using thermal resource and solar energy", <i>Applied Catalysis B: Environmental</i> , 284, 20 November 2020, doi: <a href="https://doi.org/10.1016/j.apcatb.2020.119686">https://doi.org/10.1016/j.apcatb.2020.119686</a> .
<b>CHEN Peigang</b>	<u>GAO Han</u> , # <u>CHEN Peigang</u> , <u>LO Tsz Wing</u> , <u>JIN Wei</u> , <u>LEI Dangyuan</u> , "Selective Excitation of Polarization-Steered Chiral Photoluminescence in Single Plasmonic Nanohelicoids", <i>Advanced Functional Materials</i> , 16 April 2021, doi: <a href="https://doi.org/10.1002/adfm.202101502">https://doi.org/10.1002/adfm.202101502</a> .
<b>CHEN Shengmei</b>	# <u>MA Longtao</u> , # <u>CHEN Shengmei</u> , # <u>LI Xinliang</u> , # <u>CHEN Ao</u> , <u>DONG Binbin</u> , <u>ZHI Chunyi</u> , "Liquid-Free All-Solid-State Zinc Batteries and Encapsulation-Free Flexible Batteries Enabled by In Situ Constructed Polymer Electrolyte", <i>Angewandte Chemie - International Edition</i> , 59(52), 16 September 2020, pp 23836-23844, doi: <a href="https://doi.org/10.1002/anie.202011788">https://doi.org/10.1002/anie.202011788</a> . # <u>MA Longtao</u> , <u>YING Yiran</u> , # <u>CHEN Shengmei</u> , # <u>HUANG Zhaodong</u> , # <u>CHEN Shengmei</u> , <u>HUANG Haitao</u> , <u>ZHI Chunyi</u> , "Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zinc-Iodine Battery with Improved Power and Energy Densities", <i>Angewandte Chemie - International Edition</i> , 60(7), 14 December 2020, pp 3791–3798, doi: <a href="https://doi.org/10.1002/anie.202014447">https://doi.org/10.1002/anie.202014447</a> . # <u>MA Longtao</u> , <u>YING Yiran</u> , # <u>CHEN Shengmei</u> , # <u>HUANG Zhaodong</u> , # <u>CHEN Shengmei</u> , <u>HUANG Haitao</u> , <u>ZHI Chunyi</u> , "Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zinc-Iodine Battery with Improved Power and Energy Densities", <i>Angewandte Chemie - International Edition</i> , 60(7), 14 December 2020, pp 3791–3798, doi: <a href="https://doi.org/10.1002/anie.202014447">https://doi.org/10.1002/anie.202014447</a> . # <u>WANG Shuyun</u> , # <u>CHEN Shengmei</u> , # <u>MA Longtao</u> , <u>ZAPIEN Juan Antonio</u> , "Recent progress in cobalt-based carbon materials as oxygen electrocatalysts for zinc-air battery applications", <i>Materials Today Energy</i> , 20, 29 January 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100659">https://doi.org/10.1016/j.mtener.2021.100659</a> . # <u>MA Longtao</u> , # <u>LI Qing</u> , <u>YING Yiran</u> , <u>MA Feixiang</u> , # <u>CHEN Shengmei</u> , <u>LI Yangyang</u> , <u>HUANG Haitao</u> , <u>ZHI Chunyi</u> , "Toward Practical High-Areal-Capacity Aqueous Zinc-Metal Batteries: Quantifying Hydrogen Evolution and a Solid-Ion Conductor for Stable Zinc Anodes", <i>Advanced Materials</i> , 33(12), 19 February 2021, doi: <a href="https://doi.org/10.1002/adma.202007406">https://doi.org/10.1002/adma.202007406</a> . # <u>MA Longtao</u> , # <u>CUI Huilin</u> , # <u>CHEN Shengmei</u> , # <u>LI Xinliang</u> , <u>DONG Binbin</u> , <u>ZHI Chunyi</u> , "Accommodating diverse ions in Prussian blue analogs frameworks for rechargeable batteries: The electrochemical redox reactions", <i>Nano Energy</i> , 81, 24 November 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105632">https://doi.org/10.1016/j.nanoen.2020.105632</a> .
<b>CHEN Tianding</b>	# <u>CHEN Tianding</u> , # <u>YAN Wenhao</u> , # <u>WANG Ying</u> , <u>LI Jinli</u> , <u>HU Haibo</u> , <u>HO Derek</u> , "SnS <sub>2</sub> /MXene derived TiO <sub>2</sub> hybrid for ultra-fast room temperature NO <sub>2</sub> gas sensing", <i>Journal of Materials Chemistry C</i> , 10 May 2021, doi: <a href="https://doi.org/10.1039/d1tc00197c">https://doi.org/10.1039/d1tc00197c</a> .
<b>CHEN Ze</b>	# <u>CHEN Ze</u> , # <u>YANG Qi</u> , # <u>MO Funian</u> , # <u>LI Na</u> , # <u>LIANG Guojin</u> , # <u>LI Xinliang</u> , # <u>HUANG Zhaodong</u> , # <u>WANG Donghong</u> , <u>HUANG Weichun</u> , <u>FAN Jun</u> , <u>ZHI Chunyi</u> , "Aqueous Zinc–Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity", <i>Advanced Materials</i> , 32(42), 13 September 2020, doi: <a href="https://doi.org/10.1002/adma.202001469">https://doi.org/10.1002/adma.202001469</a> . # <u>LI Xinliang</u> , <u>LI Mian</u> , # <u>HUANG Zhaodong</u> , # <u>LIANG Guojin</u> , # <u>CHEN Ze</u> , # <u>YANG Qi</u> , <u>HUANG Qing</u> , <u>ZHI Chunyi</u> , "Activating the I <sup>0</sup> /I <sup>+</sup> redox couple in an aqueous I <sub>2</sub> -Zn battery to achieve a high voltage plateau", <i>Energy and Environmental Science</i> , 14(1), 08 December 2020, pp 407-413, doi: <a href="https://doi.org/10.1039/d0ee03086d">https://doi.org/10.1039/d0ee03086d</a> . # <u>CHEN Ze</u> , # <u>MO Funian</u> , # <u>WANG Tairan</u> , # <u>YANG Qi</u> , # <u>HUANG Zhaodong</u> , # <u>WANG Donghong</u> , # <u>LIANG Guojin</u> , # <u>CHEN Ao</u> , # <u>LI Qing</u> , # <u>GUO Ying</u> , # <u>LI Xinliang</u> , <u>FAN Jun</u> , <u>ZHI Chunyi</u> ,

## Section A: Publications of PhD Students

	<p>"Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i>, 14(4), 02 March 2021, pp 2441-2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a>.</p> <p>#HUANG Zhaodong, #HOU Yue, #WANG Tairan, #ZHAO Yuwei, #LIANG Guojin, #LI Xinliang, #GUO Ying, #YANG Qi, #CHEN Ze, #LI Qing, #MA Longtao, FAN Jun, ZHI Chunyi, "Manipulating anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i>, 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a>.</p> <p>#GUO Ying, LIU Jianwen, #YANG Qi, KHEMTHONG Pongtanawat, #HUANG Zhaodong, #ZHAO Yuwei, #CHEN Ze, DONG Binbin, FU Xian-Zhu, LUO Jing-Li, ZHI Chunyi, "Regulating nitrogenous adsorption and desorption on Pd clusters by the acetylene linkages of hydrogen substituted graphdiyne for efficient electrocatalytic ammonia synthesis", <i>Nano Energy</i>, 86, 30 April 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106099">https://doi.org/10.1016/j.nanoen.2021.106099</a>.</p> <p>#ZHAO Yuwei, #CHEN Ze, #MO Funian, #WANG Donghong, #GUO Ying, LIU Zhuoxin, #LI Xinliang, #LI Qing, #LIANG Guojin, ZHI Chunyi, "Aqueous Rechargeable Metal-Ion Batteries Working at Subzero Temperatures", <i>Advanced Science</i>, 8(1), 23 November 2020, doi: <a href="https://doi.org/10.1002/advs.202002590">https://doi.org/10.1002/advs.202002590</a>.</p> <p>#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #LIANG Guojin, #YANG Qi, LI Mian, #ZHAO Yuwei, #MA Longtao, DONG Binbin, HUANG Qing, FAN Jun, ZHI Chunyi, "Enhanced Redox Kinetics and Duration of Aqueous I<sub>2</sub>/I<sup>-</sup> Conversion Chemistry by MXene Confinement", <i>Advanced Materials</i>, 33(8), 20 January 2021, doi: <a href="https://doi.org/10.1002/adma.202006897">https://doi.org/10.1002/adma.202006897</a>.</p> <p>#CHEN Ze, #LI Xinliang, #WANG Donghong, #YANG Qi, #MA Longtao, #HUANG Zhaodong, #LIANG Guojin, #CHEN Ao, #GUO Ying, DONG Binbin, HUANG Xingyi, YANG Cheng, ZHI Chunyi, "Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures", <i>Energy &amp; Environmental Science</i>, 14(6), 21 April 2021, pp 3492-3501, doi: <a href="https://doi.org/10.1039/d1ee00409c">https://doi.org/10.1039/d1ee00409c</a>.</p> <p>#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #ZHAO Yuwei, #LIANG Guojin, #YANG Qi, LI Mian, HUANG Qing, DONG Binbin, FAN Jun, ZHI Chunyi, "Confining Aqueous Zn-Br Halide Redox Chemistry by Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene", <i>ACS Nano</i>, 15(1), 13 January 2021, pp 1718–1726, doi: <a href="https://doi.org/10.1021/acsnano.0c09380">https://doi.org/10.1021/acsnano.0c09380</a>.</p> <p>#CHEN Ao, #GUO Xun, #YANG Shuo, #LIANG Guojin, #LI Qing, #CHEN Ze, #HUANG Zhaodong, #YANG Qi, HAN Cuiping, ZHI Chunyi, "Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities", <i>Energy &amp; Environmental Science</i>, 14(6), 01 May 2021, pp 3599–3608, doi: <a href="https://doi.org/10.1039/d1ee00480h">https://doi.org/10.1039/d1ee00480h</a>.</p> <p>#HUANG Zhaodong, #WANG Tairan, SONG Hao, #LI Xinliang, #LIANG Guojin, #WANG Donghong, #YANG Qi, #CHEN Ze, #MA Longtao, LIU Zhuoxin, #MA Longtao, FAN Jun, ZHI Chunyi, "Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors", <i>Angewandte Chemie - International Edition</i>, 23 September 2020, doi: <a href="https://doi.org/10.1002/anie.202012202">https://doi.org/10.1002/anie.202012202</a>.</p> <p>#WANG Donghong, SUN Jinfeng, XUE Qi, #LI Qing, #GUO Ying, #ZHAO Yuwei, #CHEN Ze, #HUANG Zhaodong, #YANG Qi, #LIANG Guojin, DONG Binbin, ZHI Chunyi, "A universal method towards conductive textile for flexible batteries with superior softness", <i>Energy Storage Materials</i>, 36, 06 January 2021, pp 272-278, doi: <a href="https://doi.org/10.1016/j.ensm.2021.01.001">https://doi.org/10.1016/j.ensm.2021.01.001</a>.</p>
<b>CHOU Tzu Hsiu</b>	<p>#ZHANG Xiangkai, #CHOU Tzu Hsiu, #LI Wanpeng, WANG Yinong, HUANG Chih-Ching, CHENG L., "Microstructure and mechanical properties of (FeCoNi)<sub>100-x</sub>(NiAl)<sub>x</sub> eutectic multi-principal element alloys", <i>Journal of Alloys and Compounds</i>, 862, 11 January 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.158349">https://doi.org/10.1016/j.jallcom.2020.158349</a>.</p> <p>#LI Wanpeng, #CHOU Tzu Hsiu, YANG Tao, CHUANG Wen-Shuo, HUANG Chih-Ching, LUAN Junhua, #ZHANG Xiangkai, HUO Xiaofeng, KONG Hao Jie, HE Quanfeng, DU Xinghao, LIU Chain Tsuan, CHEN Fu-Rong, "Design of ultrastrong but ductile medium-entropy alloy with controlled precipitations and heterogeneous grain structures", <i>Applied Materials Today</i>, 23, 15 April 2021, doi: <a href="https://doi.org/10.1016/j.apmt.2021.101037">https://doi.org/10.1016/j.apmt.2021.101037</a>.</p>
<b>CHUNG Kam Sing</b>	<p>#CHUNG Kam Sing, YIU Pak Man, HUNG Tak Fu, SHEK Chan Hung, "Strengthening and deformation mechanism of a Fe<sub>20</sub>Co<sub>20</sub>Cr<sub>20</sub>Mn<sub>20</sub>Ni<sub>20</sub> high entropy alloy with high nitrogen</p>

## Section A: Publications of PhD Students

	content", <i>Journal of Alloys and Compounds</i> , 871, 20 March 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2021.159587">https://doi.org/10.1016/j.jallcom.2021.159587</a> .
<b>CUI Huilin</b>	# <a href="#">MA Longtao</a> , # <a href="#">CUI Huilin</a> , # <a href="#">CHEN Shengmei</a> , # <a href="#">LI Xinliang</a> , <a href="#">DONG Binbin</a> , <a href="#">ZHI Chunyi</a> , "Accommodating diverse ions in Prussian blue analogs frameworks for rechargeable batteries: The electrochemical redox reactions", <i>Nano Energy</i> , 81, 24 November 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105632">https://doi.org/10.1016/j.nanoen.2020.105632</a> .
<b>DENG Xiang</b>	# <a href="#">LI Zhen</a> , <a href="#">ZHANG Jie</a> , # <a href="#">WU Shengfan</a> , # <a href="#">DENG Xiang</a> , # <a href="#">LI Fengzhu</a> , <a href="#">LIU Danjun</a> , <a href="#">LEE Chia-Chen</a> , <a href="#">LIN Francis</a> , <a href="#">LEI Dangyuan</a> , <a href="#">CHUEH Chu-Chen</a> , <a href="#">ZHU Zonglong</a> , <a href="#">JEN Alex</a> , "Minimized surface deficiency on wide-bandgap perovskite for efficient indoor photovoltaics", <i>Nano Energy</i> , 78, 13 September 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105377">https://doi.org/10.1016/j.nanoen.2020.105377</a> . # <a href="#">LI Fengzhu</a> , # <a href="#">DENG Xiang</a> , # <a href="#">QI Feng</a> , # <a href="#">LI Zhen</a> , <a href="#">LIU Danjun</a> , # <a href="#">SHEN Dong</a> , <a href="#">QIN Minchao</a> , # <a href="#">WU Shengfan</a> , <a href="#">LIN Francis</a> , <a href="#">JANG Sei-Hum</a> , <a href="#">ZHANG Jie</a> , <a href="#">LU Xinhui</a> , <a href="#">LEI Dangyuan</a> , <a href="#">LEE Chun Sing</a> , <a href="#">ZHU Zonglong</a> , <a href="#">JEN Alex</a> , "Regulating Surface Termination for Efficient Inverted Perovskite Solar Cells with Greater Than 23% Efficiency", <i>Journal of the American Chemical Society</i> , 142(47), 16 November 2020, pp 20134–20142, doi: <a href="https://doi.org/10.1021/jacs.0c09845">https://doi.org/10.1021/jacs.0c09845</a> .
<b>DENG Xiangxuan</b>	<a href="#">LIANG Xiongyi</a> , # <a href="#">DENG Xiangxuan</a> , # <a href="#">GUO Chen</a> , <a href="#">WU Lawrence</a> , "Activity origin and design principles for atomic vanadium anchoring on phosphorene monolayer for nitrogen reduction reaction", <i>Nano Research</i> , 13(11), 20 July 2020, pp 2925–2932, doi: <a href="https://doi.org/10.1007/s12274-020-2949-8">https://doi.org/10.1007/s12274-020-2949-8</a> . # <a href="#">GUO Chen</a> , <a href="#">ZHANG Tian</a> , <a href="#">LIANG Xiongyi</a> , # <a href="#">DENG Xiangxuan</a> , <a href="#">GUO Wenyue</a> , <a href="#">WANG Zhaojie</a> , <a href="#">LU Xiaoqing</a> , <a href="#">WU Lawrence</a> , "Single transition metal atoms on nitrogen-doped carbon for CO <sub>2</sub> electrocatalytic reduction: CO production or further CO reduction?", <i>Applied Surface Science</i> , 533, 09 August 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.147466">https://doi.org/10.1016/j.apsusc.2020.147466</a> . # <a href="#">KONG Lingyan</a> , <a href="#">LIANG Xiongyi</a> , # <a href="#">DENG Xiangxuan</a> , # <a href="#">GUO Chen</a> , <a href="#">WU Lawrence</a> , "Adsorption of SF <sub>6</sub> Decomposed Species on Ti <sub>3</sub> C <sub>2</sub> O <sub>2</sub> and Ti <sub>3</sub> C <sub>2</sub> F <sub>2</sub> with Point Defects by DFT Study", <i>Advanced Theory and Simulations</i> , 04 June 2021, doi: <a href="https://doi.org/10.1002/adts.202100074">https://doi.org/10.1002/adts.202100074</a> .
<b>DIAO Yingxue</b>	# <a href="#">WU Shengfan</a> , # <a href="#">LI Zhen</a> , <a href="#">LI Muqing</a> , # <a href="#">DIAO Yingxue</a> , <a href="#">LIN Francis</a> , # <a href="#">LIU Tiantian</a> , <a href="#">ZHANG Jie</a> , <a href="#">TIEU Peter</a> , <a href="#">GAO Wenpei</a> , # <a href="#">QI Feng</a> , <a href="#">PAN Xiaoqing</a> , <a href="#">XU Zhengtao</a> , <a href="#">ZHU Zonglong</a> , <a href="#">JEN Alex</a> , "2D metal–organic framework for stable perovskite solar cells with minimized lead leakage", <i>Nature Nanotechnology</i> , 15(11), 21 September 2020, pp 934–940, doi: <a href="https://doi.org/10.1038/s41565-020-0765-7">https://doi.org/10.1038/s41565-020-0765-7</a> . <a href="#">LIU Jie</a> , <a href="#">LIU Shanyong</a> , <a href="#">MA Jieyu</a> , # <a href="#">DIAO Yingxue</a> , <a href="#">LI Muqing</a> , <a href="#">HE Jun</a> , <a href="#">CHEN Shuoran</a> , <a href="#">ZHANG Qianli</a> , "A Stable 2D Zr(IV)-Based Metal–Organic Framework (USTS-7) for Selective Sensing of Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> in Aqueous Solution", <i>Inorganic Chemistry</i> , 59(24), 29 November 2020, pp 17884–17888, doi: <a href="https://doi.org/10.1021/acs.inorgchem.0c03379">https://doi.org/10.1021/acs.inorgchem.0c03379</a> . <a href="#">HU Jieying</a> , <a href="#">DENG Xiangling</a> , <a href="#">ZHANG Hu</a> , # <a href="#">DIAO Yingxue</a> , <a href="#">CHENG Sum Yin</a> , <a href="#">ZHENG Sai-Li</a> , <a href="#">LIAO Wei-Ming</a> , <a href="#">HE Jun</a> , <a href="#">XU Zhengtao</a> , "Linker Deficiency, Aromatic Ring Fusion, and Electrocatalysis in a Porous Ni <sub>8</sub> -Pyrazolate Network", <i>Inorganic Chemistry</i> , 60(1), 11 December 2020, pp 161–166, doi: <a href="https://doi.org/10.1021/acs.inorgchem.0c02662">https://doi.org/10.1021/acs.inorgchem.0c02662</a> . # <a href="#">DIAO Yingxue</a> , <a href="#">XU Nanfeng</a> , <a href="#">LI Muqing</a> , <a href="#">ZHU Xunjin</a> , <a href="#">XU Zhengtao</a> , "Porphyrin Grafting on a Mercapto-Equipped Zr(IV)-Carboxylate Framework Enhances Photocatalytic Hydrogen Production", <i>Inorganic Chemistry</i> , 59(17), 19 August 2020, pp 12643–12649, doi: <a href="https://doi.org/10.1021/acs.inorgchem.0c01744">https://doi.org/10.1021/acs.inorgchem.0c01744</a> . <a href="#">XU Nanfeng</a> , # <a href="#">DIAO Yingxue</a> , <a href="#">QIN Xihao</a> , <a href="#">XU Zhengtao</a> , <a href="#">KE Hanzhong</a> , <a href="#">ZHU Xunjin</a> , "Donor-acceptor covalent organic frameworks of nickel(II) porphyrin for selective and efficient CO <sub>2</sub> reduction into CO", <i>Dalton Transactions</i> , 49(44), 16 October 2020, pp 15587–15591, doi: <a href="https://doi.org/10.1039/d0dt03205k">https://doi.org/10.1039/d0dt03205k</a> .
<b>DOERING Aaron</b>	<a href="#">LAI Wing-Fu</a> , <a href="#">GUI Dayong</a> , <a href="#">WONG Mangin</a> , # <a href="#">DOERING Aaron</a> , <a href="#">ROGACH Andrey</a> , <a href="#">HE Tingcao</a> , <a href="#">WONG Wing-Tak</a> , "A self-indicating cellulose-based gel with tunable performance for bioactive agent delivery", <i>Journal of Drug Delivery Science and Technology</i> , 63, 13 February 2021, doi: <a href="https://doi.org/10.1016/j.jddst.2021.102428">https://doi.org/10.1016/j.jddst.2021.102428</a> . <a href="#">WANG Lingyun</a> , <a href="#">WANG Yu</a> , <a href="#">WANG Han</a> , <a href="#">XU Guoqiang</a> , # <a href="#">DOERING Aaron</a> , <a href="#">DAOUD Walid</a> , <a href="#">XU Jianbin</a> , <a href="#">ROGACH Andrey</a> , <a href="#">XI Yi</a> , <a href="#">ZI Yunlong</a> , "Carbon Dot-Based Composite Films for Simultaneously Harvesting Raindrop Energy and Boosting Solar Energy Conversion Efficiency

## Section A: Publications of PhD Students

	in Hybrid Cells", <i>ACS Nano</i> , 14(8), 20 July 2020, pp 10359-10369, doi: <a href="https://doi.org/10.1021/acsnano.0c03986">https://doi.org/10.1021/acsnano.0c03986</a> .
<b>DU Peng</b>	<p>BIAN Haidong, CHEN Tongyuan, CHEN Zhixuan, #LIU Jiahua, #LI Zebiao, #DU Peng, ZHOU Binbin, ZENG Xierong, TANG Jiaoning, LIU Chen, "One-step synthesis of mesoporous Cobalt sulfides (CoS<sub>x</sub>) on the metal substrate as an efficient bifunctional electrode for overall water splitting", <i>Electrochimica Acta</i>, 389, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.electacta.2021.138786">https://doi.org/10.1016/j.electacta.2021.138786</a>.</p> <p>ZHANG Guobin, #DU Peng, #ZHONG Jing, BAO Yan, XU Zhengtao, LU Jian, LI Yangyang, "Supervariate ceramics: biomineralization mechanism", <i>Materials Today Advances</i>, 10, 18 May 2021, doi: <a href="https://doi.org/10.1016/j.mtadv.2021.100144">https://doi.org/10.1016/j.mtadv.2021.100144</a>.</p> <p>#DU Peng, BAO Yan, #GUO Chen, WU Lawrence, #PAN Jie, #ZHAO Chenghao, MA Feixiang, LU Jian, LI Yangyang, "Design of Fe,N co-doped multi-walled carbon nanotubes for efficient oxygen reduction", <i>Chemical Communications</i>, 56(92), 21 October 2020, pp 14467-14470, doi: <a href="https://doi.org/10.1039/d0cc05520d">https://doi.org/10.1039/d0cc05520d</a>.</p>
<b>DUAN Zonghui</b>	<p>#DUAN Zonghui, NING Jiajia, CHEN Mengyu, XIONG Yuan, YANG Wenhong, #XIAO Fengping, KERSHAW Stephen Vincent, ZHAO Ni, XIAO Shumin, ROGACH Andrey, "Broad-Band Photodetectors Based on Copper Indium Diselenide Quantum Dots in a Methylammonium Lead Iodide Perovskite Matrix", <i>ACS Applied Materials and Interfaces</i>, 12(31), 23 July 2020, pp 35201-35210, doi: <a href="https://doi.org/10.1021/acsnano.0c06837">https://doi.org/10.1021/acsnano.0c06837</a>.</p> <p>NING Jiajia, #DUAN Zonghui, KERSHAW Stephen Vincent, ROGACH Andrey, "Phase-Controlled Growth of CuInS<sub>2</sub> Shells to Realize Colloidal CuInSe<sub>2</sub>/CuInS<sub>2</sub> Core/Shell Nanostructures", <i>ACS Nano</i>, 14(9), 31 August 2020, pp 11799-11808, doi: <a href="https://doi.org/10.1021/acsnano.0c04660">https://doi.org/10.1021/acsnano.0c04660</a>.</p> <p>#WANG Shixun, POPOVIC Jasminka, BURAZER Sanja, #PORTNIAGIN Arsenij, LIU Fangzhou, LOW Kam-Hung, #DUAN Zonghui, #LI Yanxiu, XIONG Yuan, ZHU Yuanming, KERSHAW Stephen Vincent, DJURISIC Aleksandra B., ROGACH Andrey, "Strongly Luminescent Dion-Jacobson Tin Bromide Perovskite Microcrystals Induced by Molecular Proton Donors Chloroform and Dichloromethane", <i>Advanced Functional Materials</i>, 29 April 2021, doi: <a href="https://doi.org/10.1002/adfm.202102182">https://doi.org/10.1002/adfm.202102182</a>.</p> <p>NING Jiajia, XIONG Yuan, HUANG Fei, #DUAN Zonghui, KERSHAW Stephen Vincent, ROGACH Andrey, "Growth of Multinary Copper-Based Sulfide Shells on CuInSe<sub>2</sub> Nanocrystals for Significant Improvement of Their Near-Infrared Emission", <i>Chemistry of Materials</i>, 32(18), 31 August 2020, pp 7842-7849, doi: <a href="https://doi.org/10.1021/acs.chemmater.0c02500">https://doi.org/10.1021/acs.chemmater.0c02500</a>.</p> <p>HUANG Fei, NING Jiajia, #DUAN Zonghui, SERGEEV Aleksandr, #PORTNIAGIN Arsenij, KERSHAW Stephen Vincent, TIAN Jianjun, ROGACH Andrey, "Induction of Wurtzite to Zinc-Blende Phase Transformation in ZnSe Nanorods during Cu(I) Cation Exchange", <i>Chemistry of Materials</i>, 33(7), 23 March 2021, pp 2398-2407, doi: <a href="https://doi.org/10.1021/acs.chemmater.0c04588">https://doi.org/10.1021/acs.chemmater.0c04588</a>.</p>
<b>FASASI Teslim Ayinde</b>	APICELLA Valerio, #FASASI Teslim Ayinde, WONG Hon Fai, LEUNG Dennis C.W., RUOTOLO Antonio, "Extending the near-infrared band-edge absorption spectrum of silicon by proximity to a 2D semiconductor", <i>Applied Surface Science</i> , 538, 01 October 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.147803">https://doi.org/10.1016/j.apsusc.2020.147803</a> .
<b>GAO Qili</b>	<p>#KONG Xin, #GAO Qili, #BU Shuyu, #XU Zian, #SHEN Dong, LIU Bin, LEE Chun Sing, ZHANG Wenjun, "Plasma-assisted synthesis of nickel-cobalt nitride-oxide hybrids for high-efficiency electrochemical hydrogen evolution", <i>Materials Today Energy</i>, 21, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100784">https://doi.org/10.1016/j.mtener.2021.100784</a>.</p> <p>ZHANG Baoping, GU Qinfen, WANG Cheng, #GAO Qili, GUO Jiabin, #WONG Pak Wai, LIU Chain Tsuan, AN Kyoung Jin Alicia, "Self-Assembled Hydrophobic/Hydrophilic Porphyrin-Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub>MXene Janus Membrane for Dual-Functional Enabled Photothermal Desalination", <i>ACS Applied Materials and Interfaces</i>, 13(3), 19 January 2021, pp 3762-3770, doi: <a href="https://doi.org/10.1021/acsnano.0c16054">https://doi.org/10.1021/acsnano.0c16054</a>.</p>
<b>GONG Xianjing</b>	CAO Xianwu, ZHAO Wanqing, #GONG Xianjing, ZHANG Dongli, SUN Qijun, ZHA Junwei, YIN Xinmao, WU Wei, LI Kwok Yiu Robert, "Mussel-inspired polydopamine functionalized silicon carbide whisker for PVDF composites with enhanced dielectric performance", <i>Composites Part A: Applied Science and Manufacturing</i> , 148, 27 May 2021, doi: <a href="https://doi.org/10.1016/j.compositesa.2021.106486">https://doi.org/10.1016/j.compositesa.2021.106486</a> .

## Section A: Publications of PhD Students

<b>GUO Chen</b>	<a href="#">LIANG Xiongyi</a> , <a href="#">#DENG Xiangxuan</a> , <a href="#">#GUO Chen</a> , <a href="#">WU Lawrence</a> , "Activity origin and design principles for atomic vanadium anchoring on phosphorene monolayer for nitrogen reduction reaction", <i>Nano Research</i> , 13(11), 20 July 2020, pp 2925–2932, doi: <a href="https://doi.org/10.1007/s12274-020-2949-8">https://doi.org/10.1007/s12274-020-2949-8</a> .
	<a href="#">#GUO Chen</a> , <a href="#">ZHANG Tian</a> , <a href="#">LIANG Xiongyi</a> , <a href="#">#DENG Xiangxuan</a> , <a href="#">GUO Wenyue</a> , <a href="#">WANG Zhaojie</a> , <a href="#">LU Xiaoqing</a> , <a href="#">WU Lawrence</a> , "Single transition metal atoms on nitrogen-doped carbon for CO <sub>2</sub> electrocatalytic reduction: CO production or further CO reduction?", <i>Applied Surface Science</i> , 533, 09 August 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.147466">https://doi.org/10.1016/j.apsusc.2020.147466</a> .
	<a href="#">#MUSAH Jamal-Deen</a> , <a href="#">#GUO Chen</a> , <a href="#">NOVITSKII Andrei</a> , <a href="#">SERHIENKO Illia</a> , <a href="#">#ADESINA Ayotunde Emmanuel</a> , <a href="#">KHOVAYLO Vladimir</a> , <a href="#">WU Lawrence</a> , <a href="#">ZAPIEN Juan Antonio</a> , <a href="#">VELLAISAMY Arul Lenus Roy</a> , "Ultralow Thermal Conductivity in Dual-Doped n-Type Bi <sub>2</sub> Te <sub>3</sub> Material for Enhanced Thermoelectric Properties", <i>Advanced Electronic Materials</i> , 7(2), 12 January 2021, doi: <a href="https://doi.org/10.1002/aelm.202000910">https://doi.org/10.1002/aelm.202000910</a> .
	<a href="#">#KONG Lingyan</a> , <a href="#">LIANG Xiongyi</a> , <a href="#">#DENG Xiangxuan</a> , <a href="#">#GUO Chen</a> , <a href="#">WU Lawrence</a> , "Adsorption of SF <sub>6</sub> Decomposed Species on Ti <sub>3</sub> C <sub>2</sub> O <sub>2</sub> and Ti <sub>3</sub> C <sub>2</sub> F <sub>2</sub> with Point Defects by DFT Study", <i>Advanced Theory and Simulations</i> , 04 June 2021, doi: <a href="https://doi.org/10.1002/adts.202100074">https://doi.org/10.1002/adts.202100074</a> .
	<a href="#">#GUO Chen</a> , <a href="#">ZHANG Tian</a> , <a href="#">LU Xiaoqing</a> , <a href="#">WU Lawrence</a> , "Rational Design and Effective Control of Gold-Based Bimetallic Electrocatalyst for Boosting CO <sub>2</sub> Reduction Reaction: A First-Principles Study", <i>ChemSusChem</i> , 14(13), 01 May 2021, doi: <a href="https://doi.org/10.1002/cssc.202100785">https://doi.org/10.1002/cssc.202100785</a> .
	<a href="#">#DU Peng</a> , <a href="#">BAO Yan</a> , <a href="#">#GUO Chen</a> , <a href="#">WU Lawrence</a> , <a href="#">#PAN Jie</a> , <a href="#">#ZHAO Chenghao</a> , <a href="#">MA Feixiang</a> , <a href="#">LU Jian</a> , <a href="#">LI Yangyang</a> , "Design of Fe,N co-doped multi-walled carbon nanotubes for efficient oxygen reduction", <i>Chemical Communications</i> , 56(92), 21 October 2020, pp 14467–14470, doi: <a href="https://doi.org/10.1039/d0cc05520d">https://doi.org/10.1039/d0cc05520d</a> .
<b>GUO Xun</b>	<a href="#">#LI Pei</a> , <a href="#">#LI Chuan</a> , <a href="#">#GUO Xun</a> , <a href="#">#LI Xinliang</a> , <a href="#">ZHI Chunyi</a> , "Metal-Iodine and Metal-Bromine Batteries: A Review", <i>Bulletin of the Chemical Society of Japan</i> , 94(8), 19 June 2021, pp 2036–2042, doi: <a href="https://doi.org/10.1246/bcsj.20210182">https://doi.org/10.1246/bcsj.20210182</a> .
	<a href="#">#GUO Xun</a> , <a href="#">#YANG Shuo</a> , <a href="#">#WANG Donghong</a> , <a href="#">#CHEN Ao</a> , <a href="#">#WANG Yanbo</a> , <a href="#">#LI Pei</a> , <a href="#">#LIANG Guojin</a> , <a href="#">ZHI Chunyi</a> , "The energy storage mechanisms of MnO <sub>2</sub> in batteries", <i>Current Opinion in Electrochemistry</i> , 30, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.coelec.2021.100769">https://doi.org/10.1016/j.coelec.2021.100769</a> .
	<a href="#">#CHEN Ao</a> , <a href="#">#GUO Xun</a> , <a href="#">#YANG Shuo</a> , <a href="#">#LIANG Guojin</a> , <a href="#">#LI Qing</a> , <a href="#">#CHEN Ze</a> , <a href="#">#HUANG Zhaodong</a> , <a href="#">#YANG Qi</a> , <a href="#">HAN Cuiping</a> , <a href="#">ZHI Chunyi</a> , "Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities", <i>Energy &amp; Environmental Science</i> , 14(6), 01 May 2021, pp 3599–3608, doi: <a href="https://doi.org/10.1039/d1ee00480h">https://doi.org/10.1039/d1ee00480h</a> .
<b>GUO Yang</b>	<a href="#">#REN Biyun</a> , <a href="#">CHEN Bing</a> , <a href="#">#ZHAO Jianxiong</a> , <a href="#">#GUO Yang</a> , <a href="#">#ZHANG Xin</a> , <a href="#">CHEN Xian</a> , <a href="#">DU Yangyang</a> , <a href="#">#DENG Zhiqin</a> , <a href="#">ZHU Guangyu</a> , <a href="#">WANG Feng</a> , "Synthesis of Core-Shell ScF <sub>3</sub> Nanoparticles for Thermal Enhancement of Upconversion", <i>Chemistry of Materials</i> , 33(1), 15 December 2020, pp 158–163, doi: <a href="https://doi.org/10.1021/acs.chemmater.0c03124">https://doi.org/10.1021/acs.chemmater.0c03124</a> .
	<a href="#">CHEN Bing</a> , <a href="#">#WANG Yuan</a> , <a href="#">#GUO Yang</a> , <a href="#">SHI Peng</a> , <a href="#">WANG Feng</a> , "NaYbF <sub>4</sub> @NaYF <sub>4</sub> Nanoparticles: Controlled Shell Growth and Shape-Dependent Cellular Uptake", <i>ACS Applied Materials and Interfaces</i> , 13(2), 06 January 2021, pp 2327–2335, doi: <a href="https://doi.org/10.1021/acsami.0c20757">https://doi.org/10.1021/acsami.0c20757</a> .
<b>GUO Ying</b>	<a href="#">#GUO Ying</a> , <a href="#">#ZHANG Rong</a> , <a href="#">#ZHANG Shaoce</a> , <a href="#">#ZHAO Yuwei</a> , <a href="#">#YANG Qi</a> , <a href="#">#HUANG Zhaodong</a> , <a href="#">DONG Binbin</a> , <a href="#">ZHI Chunyi</a> , "Pd doping-weakened intermediate adsorption to promote electrocatalytic nitrate reduction on TiO <sub>2</sub> nanoarrays for ammonia production and energy supply with zinc-nitrate batteries", <i>Energy &amp; Environmental Science</i> , 14(7), 14 June 2021, pp 3938–3944, doi: <a href="https://doi.org/10.1039/d1ee00806d">https://doi.org/10.1039/d1ee00806d</a> .
	<a href="#">#YANG Qi</a> , <a href="#">#GUO Ying</a> , <a href="#">GU Jinxing</a> , <a href="#">#LI Na</a> , <a href="#">WANG Changda</a> , <a href="#">LIU Zhuoxin</a> , <a href="#">#LI Xinliang</a> , <a href="#">#HUANG Zhaodong</a> , <a href="#">WEI Shiqiang</a> , <a href="#">XU Suying</a> , <a href="#">SONG Li</a> , <a href="#">FAN Jun</a> , <a href="#">CHEN Zhongfang</a> , <a href="#">QIU Jieshan</a> , <a href="#">ZHI Chunyi</a> , "Scalable synthesis of 2D hydrogen-substituted graphdiyne on Zn substrate for high-yield N <sub>2</sub> fixation", <i>Nano Energy</i> , 78, 20 August 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105283">https://doi.org/10.1016/j.nanoen.2020.105283</a> .
	<a href="#">#CHEN Ze</a> , <a href="#">#MO Funian</a> , <a href="#">#WANG Tairan</a> , <a href="#">#YANG Qi</a> , <a href="#">#HUANG Zhaodong</a> , <a href="#">#WANG Donghong</a> , <a href="#">#LIANG Guojin</a> , <a href="#">#CHEN Ao</a> , <a href="#">#LI Qing</a> , <a href="#">#GUO Ying</a> , <a href="#">#LI Xinliang</a> , <a href="#">FAN Jun</a> , <a href="#">ZHI Chunyi</a> ,

## Section A: Publications of PhD Students

	<p>"Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i>, 14(4), 02 March 2021, pp 2441-2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a>.</p> <p>#<a href="#">YANG Qi</a>, #<a href="#">LI Qing</a>, <a href="#">LIU Zhuoxin</a>, #<a href="#">WANG Donghong</a>, #<a href="#">GUO Ying</a>, #<a href="#">LI Xinliang</a>, <a href="#">TANG Yongchao</a>, <a href="#">LI Hongfei</a>, <a href="#">DONG Binbin</a>, <a href="#">ZHI Chunyi</a>, "Dendrites in Zn-Based Batteries", <i>Advanced Materials</i>, 32(48), 26 October 2020, doi: <a href="https://doi.org/10.1002/adma.202001854">https://doi.org/10.1002/adma.202001854</a>.</p> <p><a href="#">LIU Jianwen</a>, #<a href="#">GUO Ying</a>, <a href="#">FU Xian-Zhu</a>, <a href="#">LUO Jing-Li</a>, <a href="#">ZHI Chunyi</a>, "Strengthening absorption ability of Co–N–C as efficient bifunctional oxygen catalyst by modulating the <i>d</i> band center using MoC", <i>Green Energy and Environment</i>, 21 May 2021, doi: <a href="https://doi.org/10.1016/j.gee.2021.05.008">https://doi.org/10.1016/j.gee.2021.05.008</a>.</p> <p>#<a href="#">HUANG Zhaodong</a>, #<a href="#">HOU Yue</a>, #<a href="#">WANG Tairan</a>, #<a href="#">ZHAO Yuwei</a>, #<a href="#">LIANG Guojin</a>, #<a href="#">LI Xinliang</a>, #<a href="#">GUO Ying</a>, #<a href="#">YANG Qi</a>, #<a href="#">CHEN Ze</a>, #<a href="#">LI Qing</a>, #<a href="#">MA Longtao</a>, <a href="#">FAN Jun</a>, <a href="#">ZHI Chunyi</a>, "Manipulating anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i>, 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a>.</p> <p>#<a href="#">GUO Ying</a>, <a href="#">LIU Jianwen</a>, #<a href="#">YANG Qi</a>, <a href="#">KHEMTHONG Pongtanawat</a>, #<a href="#">HUANG Zhaodong</a>, #<a href="#">ZHAO Yuwei</a>, #<a href="#">CHEN Ze</a>, <a href="#">DONG Binbin</a>, <a href="#">FU Xian-Zhu</a>, <a href="#">LUO Jing-Li</a>, <a href="#">ZHI Chunyi</a>, "Regulating nitrogenous adsorption and desorption on Pd clusters by the acetylene linkages of hydrogen substituted graphdiyne for efficient electrocatalytic ammonia synthesis", <i>Nano Energy</i>, 86, 30 April 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106099">https://doi.org/10.1016/j.nanoen.2021.106099</a>.</p> <p>#<a href="#">ZHAO Yuwei</a>, #<a href="#">CHEN Ze</a>, #<a href="#">MO Funian</a>, #<a href="#">WANG Donghong</a>, #<a href="#">GUO Ying</a>, <a href="#">LIU Zhuoxin</a>, #<a href="#">LI Xinliang</a>, #<a href="#">LI Qing</a>, #<a href="#">LIANG Guojin</a>, <a href="#">ZHI Chunyi</a>, "Aqueous Rechargeable Metal-Ion Batteries Working at Subzero Temperatures", <i>Advanced Science</i>, 8(1), 23 November 2020, doi: <a href="https://doi.org/10.1002/advs.202002590">https://doi.org/10.1002/advs.202002590</a>.</p> <p>#<a href="#">CHEN Ze</a>, #<a href="#">LI Xinliang</a>, #<a href="#">WANG Donghong</a>, #<a href="#">YANG Qi</a>, #<a href="#">MA Longtao</a>, #<a href="#">HUANG Zhaodong</a>, #<a href="#">LIANG Guojin</a>, #<a href="#">CHEN Ao</a>, #<a href="#">GUO Ying</a>, <a href="#">DONG Binbin</a>, <a href="#">HUANG Xingyi</a>, <a href="#">YANG Cheng</a>, <a href="#">ZHI Chunyi</a>, "Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures", <i>Energy &amp; Environmental Science</i>, 14(6), 21 April 2021, pp 3492-3501, doi: <a href="https://doi.org/10.1039/d1ee00409c">https://doi.org/10.1039/d1ee00409c</a>.</p> <p>#<a href="#">WANG Donghong</a>, <a href="#">SUN Jinfeng</a>, <a href="#">XUE Qi</a>, #<a href="#">LI Qing</a>, #<a href="#">GUO Ying</a>, #<a href="#">ZHAO Yuwei</a>, #<a href="#">CHEN Ze</a>, #<a href="#">HUANG Zhaodong</a>, #<a href="#">YANG Qi</a>, #<a href="#">LIANG Guojin</a>, <a href="#">DONG Binbin</a>, <a href="#">ZHI Chunyi</a>, "A universal method towards conductive textile for flexible batteries with superior softness", <i>Energy Storage Materials</i>, 36, 06 January 2021, pp 272-278, doi: <a href="https://doi.org/10.1016/j.ensm.2021.01.001">https://doi.org/10.1016/j.ensm.2021.01.001</a>.</p>
<b>HE Kangqiang</b>	<p><a href="#">ZHU Fangyan</a>, <a href="#">HO-SUM CHENG Samson</a>, <a href="#">XU Yi</a>, <a href="#">LIAO Wenchao</a>, #<a href="#">HE Kangqiang</a>, <a href="#">CHEN Dazhu</a>, <a href="#">LIAO Chengzhu</a>, <a href="#">CHENG Xin</a>, <a href="#">TANG Jiaoning</a>, <a href="#">LI Kwok Yiu Robert</a>, <a href="#">LIU Chen</a>, "Dual-salt effect on polyethylene oxide/Li<sub>6.4</sub>La<sub>3</sub>Zr<sub>1.4</sub>Ta<sub>0.6</sub>O<sub>12</sub> composite electrolyte for solid-state lithium metal batteries with superior electrochemical performance", <i>Composites Science and Technology</i>, 210, 30 April 2021, doi: <a href="https://doi.org/10.1016/j.compscitech.2021.108837">https://doi.org/10.1016/j.compscitech.2021.108837</a>.</p> <p>#<a href="#">HE Kangqiang</a>, <a href="#">CHENG Ho Sum Samson</a>, <a href="#">HU Jieying</a>, <a href="#">ZHANG Yangqian</a>, <a href="#">YANG Huiwen</a>, <a href="#">LIU Yingying</a>, <a href="#">LIAO Wenchao</a>, <a href="#">CHEN Dazhu</a>, <a href="#">LIAO Chengzhu</a>, <a href="#">CHENG Xin</a>, <a href="#">LU Zhouguang</a>, <a href="#">HE Jun</a>, <a href="#">TANG Jiaoning</a>, <a href="#">LI Kwok Yiu Robert</a>, <a href="#">LIU Chen</a>, "In-Situ Intermolecular Interaction in Composite Polymer Electrolyte for Ultralong Life Quasi-Solid-State Lithium Metal Batteries", <i>Angewandte Chemie - International Edition</i>, 60(21), 15 March 2021, pp 12116-12123, doi: <a href="https://doi.org/10.1002/anie.202103403">https://doi.org/10.1002/anie.202103403</a>.</p>
<b>HE Yun</b>	<p><a href="#">CAO Xianwu</a>, <a href="#">ZHAO Wanjing</a>, <a href="#">HUANG Jingshu</a>, #<a href="#">HE Yun</a>, <a href="#">LIANG Xiaoguang</a>, <a href="#">SU Yujun</a>, <a href="#">WU Wei</a>, <a href="#">LI Kwok Yiu Robert</a>, "Interface engineering of graphene oxide containing phosphorus/nitrogen towards fire safety enhancement for thermoplastic polyurethane", <i>Composites Communications</i>, 27, 07 June 2021, doi: <a href="https://doi.org/10.1016/j.coco.2021.100821">https://doi.org/10.1016/j.coco.2021.100821</a>.</p>
<b>HOU Yue</b>	<p>#<a href="#">HUANG Zhaodong</a>, #<a href="#">HOU Yue</a>, #<a href="#">WANG Tairan</a>, #<a href="#">ZHAO Yuwei</a>, #<a href="#">LIANG Guojin</a>, #<a href="#">LI Xinliang</a>, #<a href="#">GUO Ying</a>, #<a href="#">YANG Qi</a>, #<a href="#">CHEN Ze</a>, #<a href="#">LI Qing</a>, #<a href="#">MA Longtao</a>, <a href="#">FAN Jun</a>, <a href="#">ZHI Chunyi</a>, "Manipulating anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i>, 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a>.</p> <p><a href="#">ZHANG Runhao</a>, <a href="#">LI Yong</a>, <a href="#">QIAO Li</a>, <a href="#">LI Dongwei</a>, <a href="#">DENG Jianlin</a>, <a href="#">ZHOU Junjie</a>, <a href="#">XIE Lei</a>, #<a href="#">HOU Yue</a>, <a href="#">WANG Tao</a>, <a href="#">TIAN Wei</a>, <a href="#">CAO Jinchao</a>, <a href="#">CHENG Fengli</a>, <a href="#">YANG Bo</a>, <a href="#">LIANG Kang</a>, <a href="#">CHEN Pu</a>, <a href="#">KONG Biao</a>, "Atomic layer deposition assisted superassembly of ultrathin ZnO layer decorated</p>

## Section A: Publications of PhD Students

	hierarchical Cu foam for stable lithium metal anode", <i>Energy Storage Materials</i> , 37, 05 February 2021, pp 123-134, doi: <a href="https://doi.org/10.1016/j.ensm.2021.01.028">https://doi.org/10.1016/j.ensm.2021.01.028</a> .
	LI Gaoyang, DANG Congcong, # <a href="#">HOU Yue</a> , DANG Feng, FAN Yuqi, GUO Zhanhu, "Experimental and Theoretical Characteristic of Single Atom Co-N-C Catalyst for Li-O <sub>2</sub> Batteries", <i>Engineered Science</i> , 10, 2020, pp 85-94, doi: <a href="https://doi.org/10.30919/es8d1005">https://doi.org/10.30919/es8d1005</a> .
<b>HUANG Changxiong</b>	# <a href="#">HUANG Changxiong</a> , # <a href="#">ZHU Xiaohong</a> , # <a href="#">LI Na</a> , # <a href="#">MA Xinyao</a> , LI Zhen, FAN Jun, "Simultaneous Sensing of Force and Current Signals to Recognize Proteinogenic Amino Acids at a Single-Molecule Level", <i>Journal of Physical Chemistry Letters</i> , 12(2), 07 January 2021, pp 793-799, doi: <a href="https://doi.org/10.1021/acs.jpcllett.0c02989">https://doi.org/10.1021/acs.jpcllett.0c02989</a> .
	# <a href="#">ZHU Xiaohong</a> , # <a href="#">LI Na</a> , # <a href="#">HUANG Changxiong</a> , LI Zhen, FAN Jun, "Membrane Perturbation and Lipid Flip-Flop Mediated by Graphene Nanosheet", <i>Journal of Physical Chemistry B</i> , 124(47), 16 November 2020, pp 10632-10640, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c06089">https://doi.org/10.1021/acs.jpcc.0c06089</a> .
	# <a href="#">MA Xinyao</a> , # <a href="#">ZHU Xiaohong</a> , # <a href="#">HUANG Changxiong</a> , LI Zhen, FAN Jun, "Molecular mechanisms underlying the role of the puckered surface in the biocompatibility of black phosphorus", <i>Nanoscale</i> , 13(6), 19 January 2021, pp 3790-3799, doi: <a href="https://doi.org/10.1039/d0nr08480h">https://doi.org/10.1039/d0nr08480h</a> .
<b>HUANG Zhaodong</b>	# <a href="#">LI Xinliang</a> , LI Mian, # <a href="#">YANG Qi</a> , # <a href="#">WANG Donghong</a> , # <a href="#">MA Longtao</a> , # <a href="#">LIANG Guojin</a> , # <a href="#">HUANG Zhaodong</a> , DONG Binbin, HUANG Qing, <a href="#">ZHI Chunyi</a> , "Vertically Aligned Sn <sup>4+</sup> Preintercalated Ti <sub>2</sub> CT <sub>x</sub> MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan", <i>Advanced Energy Materials</i> , 10(35), 05 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001394">https://doi.org/10.1002/aenm.202001394</a> .
	# <a href="#">GUO Ying</a> , # <a href="#">ZHANG Rong</a> , # <a href="#">ZHANG Shaoce</a> , # <a href="#">ZHAO Yuwei</a> , # <a href="#">YANG Qi</a> , # <a href="#">HUANG Zhaodong</a> , DONG Binbin, <a href="#">ZHI Chunyi</a> , "Pd doping-weakened intermediate adsorption to promote electrocatalytic nitrate reduction on TiO <sub>2</sub> nanoarrays for ammonia production and energy supply with zinc-nitrate batteries", <i>Energy &amp; Environmental Science</i> , 14(7), 14 June 2021, pp 3938-3944, doi: <a href="https://doi.org/10.1039/d1ee00806d">https://doi.org/10.1039/d1ee00806d</a> .
	# <a href="#">YANG Qi</a> , # <a href="#">GUO Ying</a> , GU Jinxiang, # <a href="#">LI Na</a> , WANG Changda, <a href="#">LIU Zhuoxin</a> , # <a href="#">LI Xinliang</a> , # <a href="#">HUANG Zhaodong</a> , WEI Shiqiang, XU Suying, SONG Li, FAN Jun, CHEN Zhongfang, QIU Jieshan, <a href="#">ZHI Chunyi</a> , "Scalable synthesis of 2D hydrogen-substituted graphdiyne on Zn substrate for high-yield N <sub>2</sub> fixation", <i>Nano Energy</i> , 78, 20 August 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105283">https://doi.org/10.1016/j.nanoen.2020.105283</a> .
	# <a href="#">CHEN Ze</a> , # <a href="#">YANG Qi</a> , # <a href="#">MO Funian</a> , # <a href="#">LI Na</a> , # <a href="#">LIANG Guojin</a> , # <a href="#">LI Xinliang</a> , # <a href="#">HUANG Zhaodong</a> , # <a href="#">WANG Donghong</a> , HUANG Weichun, FAN Jun, <a href="#">ZHI Chunyi</a> , "Aqueous Zinc-Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity", <i>Advanced Materials</i> , 32(42), 13 September 2020, doi: <a href="https://doi.org/10.1002/adma.202001469">https://doi.org/10.1002/adma.202001469</a> .
	# <a href="#">LI Xinliang</a> , LI Mian, # <a href="#">HUANG Zhaodong</a> , # <a href="#">LIANG Guojin</a> , # <a href="#">CHEN Ze</a> , # <a href="#">YANG Qi</a> , HUANG Qing, <a href="#">ZHI Chunyi</a> , "Activating the I <sup>0</sup> /I <sup>-</sup> redox couple in an aqueous I <sub>2</sub> -Zn battery to achieve a high voltage plateau", <i>Energy and Environmental Science</i> , 14(1), 08 December 2020, pp 407-413, doi: <a href="https://doi.org/10.1039/d0ee03086d">https://doi.org/10.1039/d0ee03086d</a> .
	# <a href="#">MA Longtao</a> , YING Yiran, # <a href="#">CHEN Shengmei</a> , # <a href="#">HUANG Zhaodong</a> , # <a href="#">CHEN Shengmei</a> , HUANG Haitao, <a href="#">ZHI Chunyi</a> , "Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zinc-Iodine Battery with Improved Power and Energy Densities", <i>Angewandte Chemie - International Edition</i> , 60(7), 14 December 2020, pp 3791-3798, doi: <a href="https://doi.org/10.1002/anie.202014447">https://doi.org/10.1002/anie.202014447</a> .
	# <a href="#">CHEN Ze</a> , # <a href="#">MO Funian</a> , # <a href="#">WANG Tairan</a> , # <a href="#">YANG Qi</a> , # <a href="#">HUANG Zhaodong</a> , # <a href="#">WANG Donghong</a> , # <a href="#">LIANG Guojin</a> , # <a href="#">CHEN Ao</a> , # <a href="#">LI Qing</a> , # <a href="#">GUO Ying</a> , # <a href="#">LI Xinliang</a> , FAN Jun, <a href="#">ZHI Chunyi</a> , "Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i> , 14(4), 02 March 2021, pp 2441-2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a> .
	# <a href="#">MA Longtao</a> , # <a href="#">LI Xinliang</a> , ZHANG Guobin, # <a href="#">HUANG Zhaodong</a> , HAN Cuiping, LI Hongfei, TANG Zijie, <a href="#">ZHI Chunyi</a> , "Initiating a wearable solid-state Mg hybrid ion full battery with high voltage, high capacity and ultra-long lifespan in air", <i>Energy Storage Materials</i> , 31, 04 August 2020, pp 451-458, doi: <a href="https://doi.org/10.1016/j.ensm.2020.08.001">https://doi.org/10.1016/j.ensm.2020.08.001</a> .
	# <a href="#">LI Xinliang</a> , LI Mian, # <a href="#">YANG Qi</a> , # <a href="#">LIANG Guojin</a> , # <a href="#">HUANG Zhaodong</a> , # <a href="#">MA Longtao</a> , # <a href="#">WANG Donghong</a> , # <a href="#">MO Funian</a> , DONG Binbin, HUANG Qing, <a href="#">ZHI Chunyi</a> , "In Situ Electrochemical

## Section A: Publications of PhD Students

	Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery", <i>Advanced Energy Materials</i> , 10(36), 09 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001791">https://doi.org/10.1002/aenm.202001791</a> .
	LI Mian, #LI Xinliang, QIN Guifang, LUO Kan, LU Jun, LI Youbing, #LIANG Guojin, #HUANG Zhaodong, ZHOU Jie, HULTMAN Lars, EKLUND Per, PERSSON Per O. Å., DU Shiyu, CHAI Zhifang, ZHI Chunyi, HUANG Qing, "Halogenated Ti <sub>3</sub> C <sub>2</sub> MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries", <i>ACS Nano</i> , 15(1), 08 January 2021, pp 1077–1085, doi: <a href="https://doi.org/10.1021/acsnano.0c07972">https://doi.org/10.1021/acsnano.0c07972</a> .
	#LI Qing, #WANG Yanbo, #MO Funian, #WANG Donghong, #LIANG Guojin, #ZHAO Yuwei, #YANG Qi, #HUANG Zhaodong, ZHI Chunyi, "Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure", <i>Advanced Energy Materials</i> , 11(14), 19 February 2021, doi: <a href="https://doi.org/10.1002/aenm.202003931">https://doi.org/10.1002/aenm.202003931</a> .
	#HUANG Zhaodong, #HOU Yue, #WANG Tairan, #ZHAO Yuwei, #LIANG Guojin, #LI Xinliang, #GUO Ying, #YANG Qi, #CHEN Ze, #LI Qing, #MA Longtao, FAN Jun, ZHI Chunyi, "Manipulating anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i> , 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a> .
	#GUO Ying, LIU Jianwen, #YANG Qi, KHEMTHONG Pongtanawat, #HUANG Zhaodong, #ZHAO Yuwei, #CHEN Ze, DONG Binbin, FU Xian-Zhu, LUO Jing-Li, ZHI Chunyi, "Regulating nitrogenous adsorption and desorption on Pd clusters by the acetylene linkages of hydrogen substituted graphdiyne for efficient electrocatalytic ammonia synthesis", <i>Nano Energy</i> , 86, 30 April 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106099">https://doi.org/10.1016/j.nanoen.2021.106099</a> .
	#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #LIANG Guojin, #YANG Qi, LI Mian, #ZHAO Yuwei, #MA Longtao, DONG Binbin, HUANG Qing, FAN Jun, ZHI Chunyi, "Enhanced Redox Kinetics and Duration of Aqueous I <sub>2</sub> /I <sup>-</sup> Conversion Chemistry by MXene Confinement", <i>Advanced Materials</i> , 33(8), 20 January 2021, doi: <a href="https://doi.org/10.1002/adma.202006897">https://doi.org/10.1002/adma.202006897</a> .
	#CHEN Ze, #LI Xinliang, #WANG Donghong, #YANG Qi, #MA Longtao, #HUANG Zhaodong, #LIANG Guojin, #CHEN Ao, #GUO Ying, DONG Binbin, HUANG Xingyi, YANG Cheng, ZHI Chunyi, "Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures", <i>Energy &amp; Environmental Science</i> , 14(6), 21 April 2021, pp 3492–3501, doi: <a href="https://doi.org/10.1039/d1ee00409c">https://doi.org/10.1039/d1ee00409c</a> .
	#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #ZHAO Yuwei, #LIANG Guojin, #YANG Qi, LI Mian, HUANG Qing, DONG Binbin, FAN Jun, ZHI Chunyi, "Confining Aqueous Zn-Br Halide Redox Chemistry by Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene", <i>ACS Nano</i> , 15(1), 13 January 2021, pp 1718–1726, doi: <a href="https://doi.org/10.1021/acsnano.0c09380">https://doi.org/10.1021/acsnano.0c09380</a> .
	#CHEN Ao, #GUO Xun, #YANG Shuo, #LIANG Guojin, #LI Qing, #CHEN Ze, #HUANG Zhaodong, #YANG Qi, HAN Cuiping, ZHI Chunyi, "Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities", <i>Energy &amp; Environmental Science</i> , 14(6), 01 May 2021, pp 3599–3608, doi: <a href="https://doi.org/10.1039/d1ee00480h">https://doi.org/10.1039/d1ee00480h</a> .
	#HUANG Zhaodong, #WANG Tairan, SONG Hao, #LI Xinliang, #LIANG Guojin, #WANG Donghong, #YANG Qi, #CHEN Ze, #MA Longtao, LIU Zhuoxin, #MA Longtao, FAN Jun, ZHI Chunyi, "Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors", <i>Angewandte Chemie - International Edition</i> , 23 September 2020, doi: <a href="https://doi.org/10.1002/anie.202012202">https://doi.org/10.1002/anie.202012202</a> .
	CHEN Jun, ZOU Guoqiang, DENG Wentao, #HUANG Zhaodong, GAO Xu, LIU Cheng, YIN Shouyi, LIU Huanqing, DENG Xinglan, TIAN Ye, LI Jiayang, WANG Chiwei, WANG Di, WU Hanwen, YANG Li, HOU Hongshuai, JI Xiaobo, "Pseudo-Bonding and Electric-Field Harmony for Li-Rich Mn-Based Oxide Cathode", <i>Advanced Functional Materials</i> , 30(46), 09 September 2020, doi: <a href="https://doi.org/10.1002/adfm.202004302">https://doi.org/10.1002/adfm.202004302</a> .
	#WANG Donghong, SUN Jinfeng, XUE Qi, #LI Qing, #GUO Ying, #ZHAO Yuwei, #CHEN Ze, #HUANG Zhaodong, #YANG Qi, #LIANG Guojin, DONG Binbin, ZHI Chunyi, "A universal method towards conductive textile for flexible batteries with superior softness", <i>Energy Storage Materials</i> , 36, 06 January 2021, pp 272–278, doi: <a href="https://doi.org/10.1016/j.ensm.2021.01.001">https://doi.org/10.1016/j.ensm.2021.01.001</a> .
HUQE Md Rashedul	LIU Hui, ZHU Hugh Lu, WANG Zishuai, WU Xiao, HUANG Zhanfeng, #HUQE Md Rashedul, ZAPIEN Juan Antonio, LU Xinhui, CHOY Wallace C.H., "Double-Side Crystallization Tuning to



Section A: Publications of PhD Students

	Achieve over 1 $\mu\text{m}$ Thick and Well-Aligned Block-Like Narrow-Bandgap Perovskites for High-Efficiency Near-Infrared Photodetectors", <i>Advanced Functional Materials</i> , 29 April 2021, doi: <a href="https://doi.org/10.1002/adfm.202010532">https://doi.org/10.1002/adfm.202010532</a> .
<b>JIAO Tianpeng</b>	JIAN Ze, YANG Nianjun, VOGEL Michael, LEITH Stewart, SCHULTE Anna, SCHÖNHERR Holger, #JIAO Tianpeng, ZHANG Wenjun, MÜLLER Julian, BUTZ Benjamin, JIANG Xin, "Flexible Diamond Fibers for High-Energy-Density Zinc-Ion Supercapacitors", <i>Advanced Energy Materials</i> , 10(44), 02 September 2020, doi: <a href="https://doi.org/10.1002/aenm.202002202">https://doi.org/10.1002/aenm.202002202</a> .
<b>KANG Xiaolin</b>	#LI Fangzhou, #MENG You, #KANG Xiaolin, YIP Sen Po, #BU Xiuming, #ZHANG Heng, HO Johnny Chung Yin, "High-mobility In and Ga co-doped ZnO nanowires for high-performance transistors and ultraviolet photodetectors", <i>Nanoscale</i> , 12(30), 07 July 2020, pp 16153-16161, doi: <a href="https://doi.org/10.1039/d0nr03740k">https://doi.org/10.1039/d0nr03740k</a> .
	LAN Changyong, #KANG Xiaolin, #MENG You, WEI Renjie, #BU Xiuming, YIP Sen Po, HO Johnny Chung Yin, "The origin of gate bias stress instability and hysteresis in monolayer WS <sub>2</sub> transistors", <i>Nano Research</i> , 13(12), 05 September 2020, pp 3278-3285, doi: <a href="https://doi.org/10.1007/s12274-020-3003-6">https://doi.org/10.1007/s12274-020-3003-6</a> .
	LI Dapan, YIP Sen Po, #LI Fangzhou, #ZHANG Heng, #MENG You, #BU Xiuming, #KANG Xiaolin, LAN Changyong, LIU Chuntai, HO Johnny Chung Yin, "Flexible Near-Infrared InGaSb Nanowire Array Detectors with Ultrafast Photoconductive Response Below 20 $\mu\text{s}$ ", <i>Advanced Optical Materials</i> , 8(22), 22 September 2020, doi: <a href="https://doi.org/10.1002/adom.202001201">https://doi.org/10.1002/adom.202001201</a> .
	#LAI Zhengxun, DONG Ruoting, #ZHU Qi, #MENG You, WANG Fei, #LI Fangzhou, #BU Xiuming, #KANG Xiaolin, #ZHANG Heng, #QUAN Quan, #WANG Wei, WANG Feng, YIP Sen Po, HO Johnny Chung Yin, "Bication-Mediated Quasi-2D Halide Perovskites for High-Performance Flexible Photodetectors: From Ruddlesden-Popper Type to Dion-Jacobson Type", <i>ACS applied materials &amp; interfaces</i> , 12(35), 07 August 2020, pp 39567-39577, doi: <a href="https://doi.org/10.1021/acsami.0c09651">https://doi.org/10.1021/acsami.0c09651</a> .
	#KANG Xiaolin, LAN Changyong, #LI Fangzhou, #WANG Wei, YIP Sen Po, #MENG You, WANG Fei, #LAI Zhengxun, LIU Chuntai, HO Johnny Chung Yin, "Van der Waals PdSe <sub>2</sub> /WS <sub>2</sub> Heterostructures for Robust High-Performance Broadband Photodetection from Visible to Infrared Optical Communication Band", <i>Advanced Optical Materials</i> , 9(7), 20 January 2021, doi: <a href="https://doi.org/10.1002/adom.202001991">https://doi.org/10.1002/adom.202001991</a> .
	#MENG You, #LI Fangzhou, LAN Changyong, #BU Xiuming, #KANG Xiaolin, WEI Renjie, YIP Sen Po, LI Dapan, WANG Fei, TAKAHASHI Tsunaki, HOSOMI Takuro, NAGASHIMA Kazuki, YANAGIDA Takeshi, HO Johnny Chung Yin, "Artificial visual systems enabled by quasi-two-dimensional electron gases in oxide superlattice nanowires", <i>Science Advances</i> , 6(46), 11 November 2020, doi: <a href="https://doi.org/10.1126/sciadv.abc6389">https://doi.org/10.1126/sciadv.abc6389</a> .
	LAN Changyong, YIP Sen Po, #KANG Xiaolin, #MENG You, #BU Xiuming, HO Johnny Chung Yin, "Gate Bias Stress Instability and Hysteresis Characteristics of InAs Nanowire Field-Effect Transistors", <i>ACS Applied Materials and Interfaces</i> , 12(50), 08 December 2020, pp 56330–56337, doi: <a href="https://doi.org/10.1021/acsami.0c17317">https://doi.org/10.1021/acsami.0c17317</a> .
<b>KARTHIKEYAN Vaithinathan</b>	VELMURUGAN Karthikeyan, #KARTHIKEYAN Vaithinathan, KORUKONDA Tulja Bhavani, POONGAVANAM Prasanna, NADARAJAN Sathishkumar, KUMARASAMY Sunilkumar, WONGWUTTANASATIAN Tanakorn, SANDEEP Deepika, "Experimental studies on photovoltaic module temperature reduction using eutectic cold phase change material", <i>Solar Energy</i> , 209, 13 September 2020, pp 302-315, doi: <a href="https://doi.org/10.1016/j.solener.2020.09.010">https://doi.org/10.1016/j.solener.2020.09.010</a> .
	AYYAKANNU SUNDARAM Ganeshraja, #KARTHIKEYAN Vaithinathan, ANBALAGAN Krishnamoorthy, "New monomeric mixed-ligand complex of iron(III)-3-chloropyridine: Synthesis, structure, luminescence, electrochemical and magnetic properties", <i>Journal of Molecular Structure</i> , 1225, 27 August 2020, pp 129160, doi: <a href="https://doi.org/10.1016/j.molstruc.2020.129160">https://doi.org/10.1016/j.molstruc.2020.129160</a> .
	MANNU Rashmi, #KARTHIKEYAN Vaithinathan, VELU Nandakumar, ARUMUGAM Chandravadhana, VELLAISAMY Arul Lenus Roy, GOPALAN Anantha-Iyengar, SAIANAND Gopalan, SONAR Prashant, LEE Kwang-Pill, KIM Wha-Jung, LEE Dong-Eun, KANNAN Venkatramanan, "Polyethylene Glycol Coated Magnetic Nanoparticles: Hybrid Nanofluid Formulation, Properties and Drug Delivery Prospects", <i>Nanomaterials</i> , 11(2), 09 February 2021, pp 1-18, doi: <a href="https://doi.org/10.3390/nano11020440">https://doi.org/10.3390/nano11020440</a> .

Section A: Publications of PhD Students

	<p>MANNU Rashmi, #KARTHIKEYAN Vaithinathan, VEERAPPA Murugendrappa Malalkere, VELLAISAMY A. L. Roy, GOPALAN Anantha-Iyengar, SAIANAND Gopalan, SONAR Prashant, XU Binrui, LEE Kwang-Pill, KIM Wha-Jung, LEE Dong-Eun, VENKATRAMANAN Kannan, "Facile Use of Silver Nanoparticles-Loaded Alumina/Silica in Nanofluid Formulations for Enhanced Catalytic Performance toward 4-Nitrophenol Reduction", <i>International Journal of Environmental Research and Public Health</i>, 18(6), 15 March 2021, doi: <a href="https://doi.org/10.3390/ijerph18062994">https://doi.org/10.3390/ijerph18062994</a>.</p> <p>#SAW Lin Oo, VENKATESH Shishir, #KARTHIKEYAN Vaithinathan, #ARAVA Clementmanohar, #PATHIKONDA SEELESH Spoorthy, YU Kwan Ngok Peter, LAU Chi Kong Terrence, CHEN Xianfeng, VELLAISAMY Arul Lenus Roy, "Highly Sensitive and Cost-Effective Portable Sensor for Early Gastric Carcinoma Diagnosis", <i>Sensors</i>, 21(8), 09 April 2021, doi: <a href="https://doi.org/10.3390/s21082639">https://doi.org/10.3390/s21082639</a>.</p>
KONG Jing	<p>#KONG Jing, LIU J., MARLTON F., JØRGENSEN M. R V, PRAMANICK Abhijit, "Local structural mechanism for phase transition and ferroelectric polarization in the mixed oxide <math>K_{0.5}Na_{0.5}NbO_3</math>", <i>Physical Review B</i>, 103(18), 11 May 2021, doi: <a href="https://doi.org/10.1103/PhysRevB.103.184104">https://doi.org/10.1103/PhysRevB.103.184104</a>.</p> <p>#KONG Jing, LIU J., MARLTON F., JØRGENSEN M. R V, PRAMANICK Abhijit, "A Structural Study of <math>0.06LiNbO_3</math>-<math>0.94K_{0.5}Na_{0.5}NbO_3</math> from Neutron Total Scattering Analysis", <i>Crystals</i>, 11(4), 08 April 2021, doi: <a href="https://doi.org/10.3390/cryst11040395">https://doi.org/10.3390/cryst11040395</a>.</p>
KONG Lingyan	<p>#KONG Lingyan, LIANG Xiongyi, #DENG Xiangxuan, #GUO Chen, WU Lawrence, "Adsorption of <math>SF_6</math> Decomposed Species on <math>Ti_3C_2O_2</math> and <math>Ti_3C_2F_2</math> with Point Defects by DFT Study", <i>Advanced Theory and Simulations</i>, 04 June 2021, doi: <a href="https://doi.org/10.1002/adts.202100074">https://doi.org/10.1002/adts.202100074</a>.</p>
KONG Xin	<p>#KONG Xin, #GAO Qili, #BU Shuyu, #XU Zian, #SHEN Dong, LIU Bin, LEE Chun Sing, ZHANG Wenjun, "Plasma-assisted synthesis of nickel-cobalt nitride-oxide hybrids for high-efficiency electrochemical hydrogen evolution", <i>Materials Today Energy</i>, 21, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100784">https://doi.org/10.1016/j.mtener.2021.100784</a>.</p>
LAI Zhengxun	<p>#LAI Zhengxun, #MENG You, #ZHU Qi, WANG Fei, #BU Xiuming, #LI Fangzhou, #WANG Wei, LIU Chuntai, WANG Feng, HO Johnny Chung Yin, "High-Performance Flexible Self-Powered Photodetectors Utilizing Spontaneous Electron and Hole Separation in Quasi-2D Halide Perovskites", <i>Small</i>, 17(23), 23 April 2021, doi: <a href="https://doi.org/10.1002/sml.202100442">https://doi.org/10.1002/sml.202100442</a>.</p> <p>#MENG You, #LAI Zhengxun, #LI Fangzhou, #WANG Wei, YIP Sen Po, #QUAN Quan, #BU Xiuming, WANG Fei, BAO Yan, HOSOMI Takuro, TAKAHASHI Tsunaki, NAGASHIMA Kazuki, YANAGIDA Takeshi, LU Jian, HO Johnny Chung Yin, "Perovskite Core-Shell Nanowire Transistors: Interfacial Transfer Doping and Surface Passivation", <i>ACS Nano</i>, 14(10), 10 September 2020, pp 12749-12760, doi: <a href="https://doi.org/10.1021/acsnano.0c03101">https://doi.org/10.1021/acsnano.0c03101</a>.</p> <p>#LAI Zhengxun, DONG Ruoting, #ZHU Qi, #MENG You, WANG Fei, #LI Fangzhou, #BU Xiuming, #KANG Xiaolin, #ZHANG Heng, #QUAN Quan, #WANG Wei, WANG Feng, YIP Sen Po, HO Johnny Chung Yin, "Bication-Mediated Quasi-2D Halide Perovskites for High-Performance Flexible Photodetectors: From Ruddlesden-Popper Type to Dion-Jacobson Type", <i>ACS applied materials &amp; interfaces</i>, 12(35), 07 August 2020, pp 39567-39577, doi: <a href="https://doi.org/10.1021/acsam.0c09651">https://doi.org/10.1021/acsam.0c09651</a>.</p> <p>#SHIL Sujit Kumer, WANG Fei, #LAI Zhengxun, #MENG You, WANG Yunpeng, ZHAO Dongxu, #HOSSAIN Mohammad Kamal, #EGBO Kingsley Onyekachi, WANG Ying, YU Kin Man, HO Johnny Chung Yin, "Crystalline all-inorganic lead-free <math>Cs_3Sb_2I_9</math> perovskite microplates with ultra-fast photoconductive response and robust thermal stability", <i>Nano Research</i>, 13 March 2021, doi: <a href="https://doi.org/10.1007/s12274-021-3351-x">https://doi.org/10.1007/s12274-021-3351-x</a>.</p> <p>#KANG Xiaolin, LAN Changyong, #LI Fangzhou, #WANG Wei, YIP Sen Po, #MENG You, WANG Fei, #LAI Zhengxun, LIU Chuntai, HO Johnny Chung Yin, "Van der Waals <math>PdSe_2/WS_2</math> Heterostructures for Robust High-Performance Broadband Photodetection from Visible to Infrared Optical Communication Band", <i>Advanced Optical Materials</i>, 9(7), 20 January 2021, doi: <a href="https://doi.org/10.1002/adom.202001991">https://doi.org/10.1002/adom.202001991</a>.</p> <p>#QUAN Quan, #LAI Zhengxun, BAO Yan, #BU Xiuming, #MENG You, #WANG Wei, TAKAHASHI Tsunaki, HOSOMI Takuro, NAGASHIMA Kazuki, YANAGIDA Takeshi, LIU Chuntai, LU Jian, HO Johnny Chung Yin, "Self-Anti-Stacking 2D Metal Phosphide Loop-Sheet Heterostructures by</p>

## Section A: Publications of PhD Students

	Edge-Topological Regulation for Highly Efficient Water Oxidation", <i>Small</i> , 17(7), 22 January 2021, doi: <a href="https://doi.org/10.1002/smll.202006860">https://doi.org/10.1002/smll.202006860</a> .
<b>LI Chuan</b>	# <u>LI Pei</u> , # <u>LI Chuan</u> , # <u>GUO Xun</u> , # <u>LI Xinliang</u> , # <u>ZHI Chunyi</u> , "Metal-Iodine and Metal-Bromine Batteries: A Review", <i>Bulletin of the Chemical Society of Japan</i> , 94(8), 19 June 2021, pp 2036–2042, doi: <a href="https://doi.org/10.1246/bcsj.20210182">https://doi.org/10.1246/bcsj.20210182</a> .
	LV Haiming, # <u>YANG Shuo</u> , # <u>LI Chuan</u> , # <u>HAN Cuiping</u> , TANG Yongchao, LI Xuejin, WANG Wenlong, LI Hongfei, # <u>ZHI Chunyi</u> , "Suppressing passivation layer of Al anode in aqueous electrolytes by complexation of H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> to Al <sup>3+</sup> and an electrochromic Al ion battery", <i>Energy Storage Materials</i> , 39, 04 May 2021, pp 412-418, doi: <a href="https://doi.org/10.1016/j.ensm.2021.04.044">https://doi.org/10.1016/j.ensm.2021.04.044</a> .
<b>LI Dan</b>	<u>YANG Ruijie</u> , CHEN Qianqian, MA Yueyong, ZHU Rongshu, FAN Yingying, HUANG Jingyuan, NIU Haonan, DONG Yang, # <u>LI Dan</u> , # <u>ZHANG Yuefeng</u> , # <u>MEI Liang</u> , CHEN Baiyang, # <u>ZENG Zhiyuan</u> , "Highly efficient photocatalytic hydrogen evolution and simultaneous formaldehyde degradation over Z-scheme ZnIn <sub>2</sub> S <sub>4</sub> -NiO/BiVO <sub>4</sub> hierarchical heterojunction under visible light irradiation", <i>Chemical Engineering Journal</i> , 423, 06 May 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.130164">https://doi.org/10.1016/j.cej.2021.130164</a> .
<b>LI Fangzhou</b>	# <u>LI Fangzhou</u> , # <u>MENG You</u> , # <u>KANG Xiaolin</u> , # <u>YIP Sen Po</u> , # <u>BU Xiuming</u> , # <u>ZHANG Heng</u> , # <u>HO Johnny Chung Yin</u> , "High-mobility In and Ga co-doped ZnO nanowires for high-performance transistors and ultraviolet photodetectors", <i>Nanoscale</i> , 12(30), 07 July 2020, pp 16153-16161, doi: <a href="https://doi.org/10.1039/d0nr03740k">https://doi.org/10.1039/d0nr03740k</a> .
	# <u>LAI Zhengxun</u> , # <u>MENG You</u> , # <u>ZHU Qi</u> , # <u>WANG Fei</u> , # <u>BU Xiuming</u> , # <u>LI Fangzhou</u> , # <u>WANG Wei</u> , # <u>LIU Chuntai</u> , # <u>WANG Feng</u> , # <u>HO Johnny Chung Yin</u> , "High-Performance Flexible Self-Powered Photodetectors Utilizing Spontaneous Electron and Hole Separation in Quasi-2D Halide Perovskites", <i>Small</i> , 17(23), 23 April 2021, doi: <a href="https://doi.org/10.1002/smll.202100442">https://doi.org/10.1002/smll.202100442</a> .
	# <u>ZHANG Heng</u> , # <u>WANG Wei</u> , # <u>YIP Sen Po</u> , # <u>LI Dapan</u> , # <u>LI Fangzhou</u> , # <u>LAN Changyong</u> , # <u>WANG Fei</u> , # <u>LIU Chuntai</u> , # <u>HO Johnny Chung Yin</u> , "Enhanced performance of near-infrared photodetectors based on InGaAs nanowires enabled by a two-step growth method", <i>Journal of Materials Chemistry C</i> , 8(47), 22 October 2020, pp 17025-17033, doi: <a href="https://doi.org/10.1039/d0tc04330c">https://doi.org/10.1039/d0tc04330c</a> .
	# <u>MENG You</u> , # <u>LAI Zhengxun</u> , # <u>LI Fangzhou</u> , # <u>WANG Wei</u> , # <u>YIP Sen Po</u> , # <u>QUAN Quan</u> , # <u>BU Xiuming</u> , # <u>WANG Fei</u> , # <u>BAO Yan</u> , # <u>HOSOMI Takuro</u> , # <u>TAKAHASHI Tsunaki</u> , # <u>NAGASHIMA Kazuki</u> , # <u>YANAGIDA Takeshi</u> , # <u>LU Jian</u> , # <u>HO Johnny Chung Yin</u> , "Perovskite Core-Shell Nanowire Transistors: Interfacial Transfer Doping and Surface Passivation", <i>ACS Nano</i> , 14(10), 10 September 2020, pp 12749-12760, doi: <a href="https://doi.org/10.1021/acs.nano.0c03101">https://doi.org/10.1021/acs.nano.0c03101</a> .
	# <u>LI Dapan</u> , # <u>YIP Sen Po</u> , # <u>LI Fangzhou</u> , # <u>ZHANG Heng</u> , # <u>MENG You</u> , # <u>BU Xiuming</u> , # <u>KANG Xiaolin</u> , # <u>LAN Changyong</u> , # <u>LIU Chuntai</u> , # <u>HO Johnny Chung Yin</u> , "Flexible Near-Infrared InGaSb Nanowire Array Detectors with Ultrafast Photoconductive Response Below 20 μs", <i>Advanced Optical Materials</i> , 8(22), 22 September 2020, doi: <a href="https://doi.org/10.1002/adom.202001201">https://doi.org/10.1002/adom.202001201</a> .
	# <u>LAI Zhengxun</u> , # <u>DONG Ruoting</u> , # <u>ZHU Qi</u> , # <u>MENG You</u> , # <u>WANG Fei</u> , # <u>LI Fangzhou</u> , # <u>BU Xiuming</u> , # <u>KANG Xiaolin</u> , # <u>ZHANG Heng</u> , # <u>QUAN Quan</u> , # <u>WANG Wei</u> , # <u>WANG Feng</u> , # <u>YIP Sen Po</u> , # <u>HO Johnny Chung Yin</u> , "Bication-Mediated Quasi-2D Halide Perovskites for High-Performance Flexible Photodetectors: From Ruddlesden-Popper Type to Dion-Jacobson Type", <i>ACS applied materials &amp; interfaces</i> , 12(35), 07 August 2020, pp 39567-39577, doi: <a href="https://doi.org/10.1021/acsami.0c09651">https://doi.org/10.1021/acsami.0c09651</a> .
	# <u>BU Xiuming</u> , # <u>WEI Renjie</u> , # <u>CAI Zhengyang</u> , # <u>QUAN Quan</u> , # <u>ZHANG Heng</u> , # <u>WANG Wei</u> , # <u>LI Fangzhou</u> , # <u>YIP Sen Po</u> , # <u>MENG You</u> , # <u>CHAN Kwok Sum</u> , # <u>WANG Xianying</u> , # <u>HO Johnny Chung Yin</u> , "More than physical support: The effect of nickel foam corrosion on electrocatalytic performance", <i>Applied Surface Science</i> , 538, 28 September 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.147977">https://doi.org/10.1016/j.apsusc.2020.147977</a> .
	# <u>KANG Xiaolin</u> , # <u>LAN Changyong</u> , # <u>LI Fangzhou</u> , # <u>WANG Wei</u> , # <u>YIP Sen Po</u> , # <u>MENG You</u> , # <u>WANG Fei</u> , # <u>LAI Zhengxun</u> , # <u>LIU Chuntai</u> , # <u>HO Johnny Chung Yin</u> , "Van der Waals PdSe <sub>2</sub> /WS <sub>2</sub> Heterostructures for Robust High-Performance Broadband Photodetection from Visible to Infrared Optical Communication Band", <i>Advanced Optical Materials</i> , 9(7), 20 January 2021, doi: <a href="https://doi.org/10.1002/adom.202001991">https://doi.org/10.1002/adom.202001991</a> .
	# <u>MENG You</u> , # <u>LI Fangzhou</u> , # <u>LAN Changyong</u> , # <u>BU Xiuming</u> , # <u>KANG Xiaolin</u> , # <u>WEI Renjie</u> , # <u>YIP Sen Po</u> , # <u>LI Dapan</u> , # <u>WANG Fei</u> , # <u>TAKAHASHI Tsunaki</u> , # <u>HOSOMI Takuro</u> , # <u>NAGASHIMA Kazuki</u> ,

## Section A: Publications of PhD Students

	YANAGIDA Takeshi, <u>HO Johnny Chung Yin</u> , "Artificial visual systems enabled by quasi-two-dimensional electron gases in oxide superlattice nanowires", <i>Science Advances</i> , 6(46), 11 November 2020, doi: <a href="https://doi.org/10.1126/sciadv.abc6389">https://doi.org/10.1126/sciadv.abc6389</a> .
<b>LI Fengzhu</b>	<p>#<u>LI Zhen</u>, <u>ZHANG Jie</u>, #<u>WU Shengfan</u>, #<u>DENG Xiang</u>, #<u>LI Fengzhu</u>, <u>LIU Danjun</u>, <u>LEE Chia-Chen</u>, <u>LIN Francis</u>, <u>LEI Dangyuan</u>, <u>CHUEH Chu-Chen</u>, <u>ZHU Zonglong</u>, <u>JEN Alex</u>, "Minimized surface deficiency on wide-bandgap perovskite for efficient indoor photovoltaics", <i>Nano Energy</i>, 78, 13 September 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105377">https://doi.org/10.1016/j.nanoen.2020.105377</a>.</p> <p>#<u>LIU Tiantian</u>, <u>ZHANG Jie</u>, <u>QIN Minchao</u>, #<u>WU Xin</u>, #<u>LI Fengzhu</u>, <u>LU Xinhui</u>, <u>ZHU Zonglong</u>, <u>JEN Alex</u>, "Modifying Surface Termination of CsPbI<sub>3</sub> Grain Boundaries by 2D Perovskite Layer for Efficient and Stable Photovoltaics", <i>Advanced Functional Materials</i>, 04 February 2021, doi: <a href="https://doi.org/10.1002/adfm.202009515">https://doi.org/10.1002/adfm.202009515</a>.</p> <p>#<u>LI Fengzhu</u>, #<u>DENG Xiang</u>, #<u>QI Feng</u>, #<u>LI Zhen</u>, <u>LIU Danjun</u>, #<u>SHEN Dong</u>, <u>QIN Minchao</u>, #<u>WU Shengfan</u>, <u>LIN Francis</u>, <u>JANG Sei-Hum</u>, <u>ZHANG Jie</u>, <u>LU Xinhui</u>, <u>LEI Dangyuan</u>, <u>LEE Chun Sing</u>, <u>ZHU Zonglong</u>, <u>JEN Alex</u>, "Regulating Surface Termination for Efficient Inverted Perovskite Solar Cells with Greater Than 23% Efficiency", <i>Journal of the American Chemical Society</i>, 142(47), 16 November 2020, pp 20134–20142, doi: <a href="https://doi.org/10.1021/jacs.0c09845">https://doi.org/10.1021/jacs.0c09845</a>.</p>
<b>LI Menglin</b>	<p>#<u>SHEN Dong</u>, <u>GUAN Zhiqiang</u>, #<u>LI Menglin</u>, <u>TSANG Sai Wing</u>, <u>ZHANG Wenjun</u>, <u>LO Raymond</u>, <u>LEE Chun Sing</u>, "Trilayer organic narrowband photodetector with electrically-switchable spectral range and color sensing ability", <i>Journal of Materials Chemistry C</i>, 9(11), 16 February 2021, pp 3814–3819, doi: <a href="https://doi.org/10.1039/d0tc04893c">https://doi.org/10.1039/d0tc04893c</a>.</p> <p>#<u>MA Yuhui</u>, <u>CHENG Yuanhang</u>, <u>XU Xiuwen</u>, #<u>LI Menglin</u>, <u>ZHANG Chujun</u>, <u>CHEUNG Sin-Hang</u>, #<u>ZENG Zixin</u>, #<u>SHEN Dong</u>, <u>XIE Yüemin</u>, <u>CHIU Ka Lok</u>, <u>LIN Fen</u>, <u>SO Shu Kong</u>, <u>LEE Chun Sing</u>, <u>TSANG Sai Wing</u>, "Suppressing Ion Migration across Perovskite Grain Boundaries by Polymer Additives", <i>Advanced Functional Materials</i>, 31(3), 02 October 2020, doi: <a href="https://doi.org/10.1002/adfm.202006802">https://doi.org/10.1002/adfm.202006802</a>.</p> <p>#<u>ZHU Zhaohua</u>, #<u>WU Yan</u>, <u>SHEN Yang</u>, #<u>TAN Jihua</u>, #<u>SHEN Dong</u>, <u>LO Raymond</u>, #<u>LI Menglin</u>, <u>YUAN Yi</u>, <u>TANG Jianxin</u>, <u>ZHANG Wenjun</u>, <u>TSANG Sai Wing</u>, <u>GUAN Zhiqiang</u>, <u>LEE Chun Sing</u>, "Highly Efficient Sky-Blue Perovskite Light-Emitting Diode Via Suppressing Nonradiative Energy Loss", <i>Chemistry of Materials</i>, 33(11), 27 May 2021, pp 4154–4162, doi: <a href="https://doi.org/10.1021/acs.chemmater.1c00903">https://doi.org/10.1021/acs.chemmater.1c00903</a>.</p> <p><u>CHENG Yuanhang</u>, <u>LIU Xixia</u>, <u>GUAN Zhiqiang</u>, #<u>LI Menglin</u>, #<u>ZENG Zixin</u>, <u>LI Ho Wa</u>, <u>TSANG Sai Wing</u>, <u>ABERLE Armin Gerhard</u>, <u>LIN Fen</u>, "Revealing the Degradation and Self-Healing Mechanisms in Perovskite Solar Cells by Sub-Bandgap External Quantum Efficiency Spectroscopy", <i>Advanced Materials</i>, 33(3), 09 December 2020, pp 2006170, doi: <a href="https://doi.org/10.1002/adma.202006170">https://doi.org/10.1002/adma.202006170</a>.</p> <p><u>THACHOTH CHANDRAN Hrisheekesh</u>, <u>LIU Taili</u>, #<u>SHEN Dong</u>, <u>GUAN Zhiqiang</u>, #<u>LI Menglin</u>, <u>ZAPIEN Juan Antonio</u>, <u>TSANG Sai Wing</u>, <u>LO Raymond</u>, <u>LEE Chun Sing</u>, "A Family of Small Molecular Materials Enabling Consistently Lower Recombination Losses in Organic Photovoltaic Devices", <i>Solar RRL</i>, 4(10), 11 July 2020, doi: <a href="https://doi.org/10.1002/solr.202000245">https://doi.org/10.1002/solr.202000245</a>.</p>
<b>LI Na</b>	<p>#<u>HUANG Changxiong</u>, #<u>ZHU Xiaohong</u>, #<u>LI Na</u>, #<u>MA Xinyao</u>, <u>LI Zhen</u>, <u>FAN Jun</u>, "Simultaneous Sensing of Force and Current Signals to Recognize Proteinogenic Amino Acids at a Single-Molecule Level", <i>Journal of Physical Chemistry Letters</i>, 12(2), 07 January 2021, pp 793–799, doi: <a href="https://doi.org/10.1021/acs.jpcllett.0c02989">https://doi.org/10.1021/acs.jpcllett.0c02989</a>.</p> <p>#<u>LI Na</u>, <u>LI Yiran</u>, <u>FAN Jun</u>, "Prediction of chemically ordered dual transition metal carbides (MXenes) as high-capacity anode materials for Na-ion batteries", <i>Nanoscale</i>, 13(15), 15 March 2021, pp 7234–7243, doi: <a href="https://doi.org/10.1039/d1nr00681a">https://doi.org/10.1039/d1nr00681a</a>.</p> <p>#<u>YANG Qi</u>, #<u>GUO Ying</u>, <u>GU Jinxing</u>, #<u>LI Na</u>, <u>WANG Changda</u>, <u>LIU Zhuoxin</u>, #<u>LI Xinliang</u>, #<u>HUANG Zhaodong</u>, <u>WEI Shiqiang</u>, <u>XU Suying</u>, <u>SONG Li</u>, <u>FAN Jun</u>, <u>CHEN Zhongfang</u>, <u>QIU Jieshan</u>, <u>ZHI Chunyi</u>, "Scalable synthesis of 2D hydrogen-substituted graphdiyne on Zn substrate for high-yield N<sub>2</sub> fixation", <i>Nano Energy</i>, 78, 20 August 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105283">https://doi.org/10.1016/j.nanoen.2020.105283</a>.</p> <p>#<u>ZHU Xiaohong</u>, #<u>LI Na</u>, #<u>HUANG Changxiong</u>, <u>LI Zhen</u>, <u>FAN Jun</u>, "Membrane Perturbation and Lipid Flip-Flop Mediated by Graphene Nanosheet", <i>Journal of Physical Chemistry B</i>, 124(47), 16 November 2020, pp 10632–10640, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c06089">https://doi.org/10.1021/acs.jpcc.0c06089</a>.</p>

## Section A: Publications of PhD Students

	<p>#CHEN Ze, #YANG Qi, #MO Funian, #LI Na, #LIANG Guojin, #LI Xinliang, #HUANG Zhaodong, #WANG Donghong, HUANG Weichun, FAN Jun, ZHI Chunyi, "Aqueous Zinc–Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity", <i>Advanced Materials</i>, 32(42), 13 September 2020, doi: <a href="https://doi.org/10.1002/adma.202001469">https://doi.org/10.1002/adma.202001469</a>.</p> <p>#LI Na, LI Yiran, #ZHU Xiaohong, #ZHU Xiaohong, FAN Jun, "Theoretical investigation of the intercalation mechanism of VS<sub>2</sub>/MXene heterostructures as anode materials for metal-ion batteries", <i>Applied Surface Science</i>, 543, 18 December 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.148772">https://doi.org/10.1016/j.apsusc.2020.148772</a>.</p> <p>#WANG Tairan, #LI Na, LI Yiran, KAI Ji-jung, FAN Jun, "M-Site Vacancy-Mediated Adsorption and Diffusion of Sodium on Ti<sub>2</sub>CO<sub>2</sub> MXene", <i>Journal of Physical Chemistry C</i>, 125(1), 28 December 2020, pp 82-90, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c08302">https://doi.org/10.1021/acs.jpcc.0c08302</a>.</p> <p>#LI Na, FAN Jun, "Computational insights into modulating the performance of MXene based electrode materials for rechargeable batteries", <i>Nanotechnology</i>, 32(25), 31 March 2021, doi: <a href="https://doi.org/10.1088/1361-6528/abea37">https://doi.org/10.1088/1361-6528/abea37</a>.</p> <p>#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #LIANG Guojin, #YANG Qi, LI Mian, #ZHAO Yuwei, #MA Longtao, DONG Binbin, HUANG Qing, FAN Jun, ZHI Chunyi, "Enhanced Redox Kinetics and Duration of Aqueous I<sub>2</sub>/I<sup>-</sup> Conversion Chemistry by MXene Confinement", <i>Advanced Materials</i>, 33(8), 20 January 2021, doi: <a href="https://doi.org/10.1002/adma.202006897">https://doi.org/10.1002/adma.202006897</a>.</p> <p>#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #ZHAO Yuwei, #LIANG Guojin, #YANG Qi, LI Mian, HUANG Qing, DONG Binbin, FAN Jun, ZHI Chunyi, "Confining Aqueous Zn-Br Halide Redox Chemistry by Ti<sub>3</sub>C<sub>2</sub>X MXene", <i>ACS Nano</i>, 15(1), 13 January 2021, pp 1718–1726, doi: <a href="https://doi.org/10.1021/acsnano.0c09380">https://doi.org/10.1021/acsnano.0c09380</a>.</p>
LI Pei	<p>#LI Pei, SHANG Tongxin, DONG Ximan, LI Huan, TAO Ying, YANG Quan-Hong, "A Review of Compact Carbon Design for Supercapacitors with High Volumetric Performance", <i>Small</i>, 08 March 2021, doi: <a href="https://doi.org/10.1002/sml.202007548">https://doi.org/10.1002/sml.202007548</a>.</p> <p>#LI Pei, #LI Chuan, #GUO Xun, #LI Xinliang, ZHI Chunyi, "Metal-Iodine and Metal-Bromine Batteries: A Review", <i>Bulletin of the Chemical Society of Japan</i>, 94(8), 19 June 2021, pp 2036–2042, doi: <a href="https://doi.org/10.1246/bcsj.20210182">https://doi.org/10.1246/bcsj.20210182</a>.</p> <p>#GUO Xun, #YANG Shuo, #WANG Donghong, #CHEN Ao, #WANG Yanbo, #LI Pei, #LIANG Guojin, ZHI Chunyi, "The energy storage mechanisms of MnO<sub>2</sub> in batteries", <i>Current Opinion in Electrochemistry</i>, 30, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.coelec.2021.100769">https://doi.org/10.1016/j.coelec.2021.100769</a>.</p>
LI Qing	<p>#MO Funian, HUANG Yan, #LI Qing, WANG Zifeng, JIANG Ruijuan, GAI Weiming, ZHI Chunyi, "A Highly Stable and Durable Capacitive Strain Sensor Based on Dynamically Super-Tough Hydro/Organo-Gels", <i>Advanced Functional Materials</i>, 31(28), 25 April 2021, doi: <a href="https://doi.org/10.1002/adfm.202010830">https://doi.org/10.1002/adfm.202010830</a>.</p> <p>#MO Funian, WANG Zifeng, JIANG Ruijuan, GAI Weiming, #LI Qing, LV Shuangkun, ZHI Chunyi, "Energy-dissipative dual-crosslinked hydrogels for dynamically super-tough sensors", <i>Science China Materials</i>, 21 June 2021, doi: <a href="https://doi.org/10.1007/s40843-021-1671-1">https://doi.org/10.1007/s40843-021-1671-1</a>.</p> <p>#CHEN Ze, #MO Funian, #WANG Tairan, #YANG Qi, #HUANG Zhaodong, #WANG Donghong, #LIANG Guojin, #CHEN Ao, #LI Qing, #GUO Ying, #LI Xinliang, FAN Jun, ZHI Chunyi, "Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i>, 14(4), 02 March 2021, pp 2441-2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a>.</p> <p>#MA Longtao, #LI Qing, YING Yiran, MA Feixiang, #CHEN Shengmei, LI Yangyang, HUANG Haitao, ZHI Chunyi, "Toward Practical High-Areal-Capacity Aqueous Zinc-Metal Batteries: Quantifying Hydrogen Evolution and a Solid-Ion Conductor for Stable Zinc Anodes", <i>Advanced Materials</i>, 33(12), 19 February 2021, doi: <a href="https://doi.org/10.1002/adma.202007406">https://doi.org/10.1002/adma.202007406</a>.</p> <p>#YANG Qi, #LI Qing, LIU Zhuoxin, #WANG Donghong, #GUO Ying, #LI Xinliang, TANG Yongchao, LI Hongfei, DONG Binbin, ZHI Chunyi, "Dendrites in Zn-Based Batteries", <i>Advanced Materials</i>, 32(48), 26 October 2020, doi: <a href="https://doi.org/10.1002/adma.202001854">https://doi.org/10.1002/adma.202001854</a>.</p> <p>#WANG Donghong, LV Haiming, HUSSAIN Tanveer, #YANG Qi, #LIANG Guojin, #ZHAO Yuwei, #MA Longtao, #LI Qing, LI Hongfei, DONG Binbin, KAEWMARAYA Thanayut, ZHI Chunyi, "A manganese hexacyanoferrate framework with enlarged ion tunnels and two-species redox reaction for aqueous Al-ion batteries", <i>Nano Energy</i>, 84, 03 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.105945">https://doi.org/10.1016/j.nanoen.2021.105945</a>.</p>

## Section A: Publications of PhD Students

	<p>#<u>LI Qing</u>, #<u>WANG Yanbo</u>, #<u>MO Funian</u>, #<u>WANG Donghong</u>, #<u>LIANG Guojin</u>, #<u>ZHAO Yuwei</u>, #<u>YANG Qi</u>, #<u>HUANG Zhaodong</u>, #<u>ZHI Chunyi</u>, "Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure", <i>Advanced Energy Materials</i>, 11(14), 19 February 2021, doi: <a href="https://doi.org/10.1002/aenm.202003931">https://doi.org/10.1002/aenm.202003931</a>.</p>
	<p>#<u>HUANG Zhaodong</u>, #<u>HOU Yue</u>, #<u>WANG Tairan</u>, #<u>ZHAO Yuwei</u>, #<u>LIANG Guojin</u>, #<u>LI Xinliang</u>, #<u>GUO Ying</u>, #<u>YANG Qi</u>, #<u>CHEN Ze</u>, #<u>LI Qing</u>, #<u>MA Longtao</u>, #<u>FAN Jun</u>, #<u>ZHI Chunyi</u>, "Manipulating anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i>, 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a>.</p>
	<p>#<u>MO Funian</u>, #<u>LI Qing</u>, #<u>LIANG Guojin</u>, #<u>ZHAO Yuwei</u>, #<u>WANG Donghong</u>, #<u>HUANG Yan</u>, #<u>WEI Jun</u>, #<u>ZHI Chunyi</u>, "A Self-Healing Crease-Free Supramolecular All-Polymer Supercapacitor", <i>Advanced Science</i>, 8(12), 01 May 2021, doi: <a href="https://doi.org/10.1002/advs.202100072">https://doi.org/10.1002/advs.202100072</a>.</p>
	<p>#<u>ZHAO Yuwei</u>, #<u>CHEN Ze</u>, #<u>MO Funian</u>, #<u>WANG Donghong</u>, #<u>GUO Ying</u>, #<u>LIU Zhuoxin</u>, #<u>LI Xinliang</u>, #<u>LI Qing</u>, #<u>LIANG Guojin</u>, #<u>ZHI Chunyi</u>, "Aqueous Rechargeable Metal-Ion Batteries Working at Subzero Temperatures", <i>Advanced Science</i>, 8(1), 23 November 2020, doi: <a href="https://doi.org/10.1002/advs.202002590">https://doi.org/10.1002/advs.202002590</a>.</p>
	<p>#<u>CHEN Ao</u>, #<u>GUO Xun</u>, #<u>YANG Shuo</u>, #<u>LIANG Guojin</u>, #<u>LI Qing</u>, #<u>CHEN Ze</u>, #<u>HUANG Zhaodong</u>, #<u>YANG Qi</u>, #<u>HAN Cuiping</u>, #<u>ZHI Chunyi</u>, "Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities", <i>Energy &amp; Environmental Science</i>, 14(6), 01 May 2021, pp 3599–3608, doi: <a href="https://doi.org/10.1039/d1ee00480h">https://doi.org/10.1039/d1ee00480h</a>.</p>
	<p>#<u>WANG Donghong</u>, #<u>SUN Jinfeng</u>, #<u>XUE Qi</u>, #<u>LI Qing</u>, #<u>GUO Ying</u>, #<u>ZHAO Yuwei</u>, #<u>CHEN Ze</u>, #<u>HUANG Zhaodong</u>, #<u>YANG Qi</u>, #<u>LIANG Guojin</u>, #<u>DONG Binbin</u>, #<u>ZHI Chunyi</u>, "A universal method towards conductive textile for flexible batteries with superior softness", <i>Energy Storage Materials</i>, 36, 06 January 2021, pp 272-278, doi: <a href="https://doi.org/10.1016/j.ensm.2021.01.001">https://doi.org/10.1016/j.ensm.2021.01.001</a>.</p>
<b>LI Wanpeng</b>	<p>#<u>ZHANG Xiangkai</u>, #<u>CHOU Tzu Hsiu</u>, #<u>LI Wanpeng</u>, #<u>WANG Yinong</u>, #<u>HUANG Chih-Ching</u>, #<u>CHENG L.</u>, "Microstructure and mechanical properties of (FeCoNi)<sub>100-x</sub>(NiAl)<sub>x</sub> eutectic multi-principal element alloys", <i>Journal of Alloys and Compounds</i>, 862, 11 January 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.158349">https://doi.org/10.1016/j.jallcom.2020.158349</a>.</p>
	<p>#<u>CHANG Haitao</u>, #<u>LI Wanpeng</u>, #<u>YANG Tao</u>, #<u>HUANG Chih-Ching</u>, #<u>WU Baolin</u>, #<u>DUAN Guosheng</u>, #<u>DU Xinghao</u>, "立方晶体结构高熵合金在低温条件下的力学行为研究进展", <i>稀有金属材料与工程/Rare Metal Materials and Engineering</i>, 49(9), September 2020, pp 3273-3284.</p>
	<p>#<u>YANG Tao</u>, #<u>ZHAO Yilu</u>, #<u>LI Wanpeng</u>, #<u>YU C. Y.</u>, #<u>LUAN Junhua</u>, #<u>LIN D. Y.</u>, #<u>FAN L.</u>, #<u>JIAO Z. B.</u>, #<u>LIU W. H.</u>, #<u>LIU X. J.</u>, #<u>KAI Ji-jung</u>, #<u>HUANG Chih-Ching</u>, #<u>LIU Chain Tsuan</u>, "Ultrahigh-strength and ductile superlattice alloys with nanoscale disordered interfaces", <i>Science (New York, N.Y.)</i>, 369(6502), 24 July 2020, pp 427-432.</p>
	<p>#<u>CHANG Haitao</u>, #<u>HUO Xiaofeng</u>, #<u>LI Wanpeng</u>, #<u>YANG Tao</u>, #<u>HUANG Chih-Ching</u>, #<u>WU Baolin</u>, #<u>DUAN Guosheng</u>, #<u>DU Xinghao</u>, "高熵合金强化机制的研究进展", <i>稀有金属材料与工程</i>, 49(10), October 2020, pp 3633-3645.</p>
	<p>#<u>LI Wanpeng</u>, #<u>LIU Cuixiu</u>, #<u>LIU Linlin</u>, #<u>HUANG Chih-Ching</u>, #<u>SUN Wei</u>, "Activation of pyramidal II &lt;c+a&gt; slips at room temperature in Mg-Zn-Y 18R and 14H long-period stacking ordered phases", <i>Intermetallics</i>, 135, 11 May 2021, doi: <a href="https://doi.org/10.1016/j.intermet.2021.107225">https://doi.org/10.1016/j.intermet.2021.107225</a>.</p>
	<p>#<u>MA Lin</u>, #<u>LI Wanpeng</u>, #<u>YANG Kaixiang</u>, #<u>BI Jianjun</u>, #<u>FENG Jicun</u>, #<u>ZHANG Jiabei</u>, #<u>YAN Zhengguang</u>, #<u>ZHOU Xiaoyuan</u>, #<u>LIU Cuixiu</u>, #<u>JI Yuan</u>, #<u>HUANG Chih-Ching</u>, #<u>HAN Xiaodong</u>, "A - or X-site mixture on mechanical properties of APbX<sub>3</sub> perovskite single crystals", <i>APL Materials</i>, 9(4), 22 April 2021, doi: <a href="https://doi.org/10.1063/5.0015569">https://doi.org/10.1063/5.0015569</a>.</p>
	<p>#<u>LI Wanpeng</u>, #<u>CHOU Tzu Hsiu</u>, #<u>YANG Tao</u>, #<u>CHUANG Wen-Shuo</u>, #<u>HUANG Chih-Ching</u>, #<u>LUAN Junhua</u>, #<u>ZHANG Xiangkai</u>, #<u>HUO Xiaofeng</u>, #<u>KONG Hao Jie</u>, #<u>HE Quanfeng</u>, #<u>DU Xinghao</u>, #<u>LIU Chain Tsuan</u>, #<u>CHEN Fu-Rong</u>, "Design of ultrastrong but ductile medium-entropy alloy with controlled precipitations and heterogeneous grain structures", <i>Applied Materials Today</i>, 23, 15 April 2021, doi: <a href="https://doi.org/10.1016/j.apmt.2021.101037">https://doi.org/10.1016/j.apmt.2021.101037</a>.</p>
	<p>#<u>ZHANG Lu</u>, #<u>DU Xinghao</u>, #<u>ZHANG Li</u>, #<u>LI Wanpeng</u>, #<u>LIANG Yuxin</u>, #<u>YU Jianxin</u>, #<u>ZOU Naifu</u>, #<u>WAN Gang</u>, #<u>TANG Yan</u>, #<u>DUAN Guosheng</u>, #<u>WU Baolin</u>, "Achieving ultra-high strength in a</p>

## Section A: Publications of PhD Students

	precipitation-hardened CoCrNi-based medium-entropy alloy with partially recrystallized microstructure and heterogeneous grains", <i>Vacuum</i> , 188, 06 March 2021, doi: <a href="https://doi.org/10.1016/j.vacuum.2021.110169">https://doi.org/10.1016/j.vacuum.2021.110169</a> .
<b>LI Xin</b>	SHAN Guangcun, #LI Xin, TAN Haoyi, SHEK Chan Hung, ZHANG Jiliang, "Structural tuning for enhanced magnetic performance by Y substitution in FeB-based metallic glasses", <i>Journal of Physics Condensed Matter</i> , 33(10), 21 December 2020, doi: <a href="https://doi.org/10.1088/1361-648X/abcc0d">https://doi.org/10.1088/1361-648X/abcc0d</a> .
<b>LI Xinliang</b>	#LI Xinliang, LI Mian, #YANG Qi, #WANG Donghong, #MA Longtao, #LIANG Guojin, #HUANG Zhaodong, DONG Binbin, HUANG Qing, ZHI Chunyi, "Vertically Aligned Sn <sup>4+</sup> Preintercalated Ti <sub>2</sub> CT <sub>x</sub> MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan", <i>Advanced Energy Materials</i> , 10(35), 05 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001394">https://doi.org/10.1002/aenm.202001394</a> .
	#YANG Qi, #GUO Ying, GU Jinxing, #LI Na, WANG Changda, LIU Zhuoxin, #LI Xinliang, #HUANG Zhaodong, WEI Shiqiang, XU Suying, SONG Li, FAN Jun, CHEN Zhongfang, QIU Jieshan, ZHI Chunyi, "Scalable synthesis of 2D hydrogen-substituted graphdiyne on Zn substrate for high-yield N <sub>2</sub> fixation", <i>Nano Energy</i> , 78, 20 August 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105283">https://doi.org/10.1016/j.nanoen.2020.105283</a> .
	#CHEN Ze, #YANG Qi, #MO Funian, #LI Na, #LIANG Guojin, #LI Xinliang, #HUANG Zhaodong, #WANG Donghong, HUANG Weichun, FAN Jun, ZHI Chunyi, "Aqueous Zinc-Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity", <i>Advanced Materials</i> , 32(42), 13 September 2020, doi: <a href="https://doi.org/10.1002/adma.202001469">https://doi.org/10.1002/adma.202001469</a> .
	#MA Longtao, #CHEN Shengmei, #LI Xinliang, #CHEN Ao, DONG Binbin, ZHI Chunyi, "Liquid-Free All-Solid-State Zinc Batteries and Encapsulation-Free Flexible Batteries Enabled by In Situ Constructed Polymer Electrolyte", <i>Angewandte Chemie - International Edition</i> , 59(52), 16 September 2020, pp 23836-23844, doi: <a href="https://doi.org/10.1002/anie.202011788">https://doi.org/10.1002/anie.202011788</a> .
	#LI Xinliang, LI Mian, #HUANG Zhaodong, #LIANG Guojin, #CHEN Ze, #YANG Qi, HUANG Qing, ZHI Chunyi, "Activating the I <sup>0</sup> /I <sup>+</sup> redox couple in an aqueous I <sub>2</sub> -Zn battery to achieve a high voltage plateau", <i>Energy and Environmental Science</i> , 14(1), 08 December 2020, pp 407-413, doi: <a href="https://doi.org/10.1039/d0ee03086d">https://doi.org/10.1039/d0ee03086d</a> .
	#CHEN Ze, #MO Funian, #WANG Tairan, #YANG Qi, #HUANG Zhaodong, #WANG Donghong, #LIANG Guojin, #CHEN Ao, #LI Qing, #GUO Ying, #LI Xinliang, FAN Jun, ZHI Chunyi, "Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i> , 14(4), 02 March 2021, pp 2441-2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a> .
	#MA Longtao, #LI Xinliang, ZHANG Guobin, #HUANG Zhaodong, HAN Cuiping, LI Hongfei, TANG Zijie, ZHI Chunyi, "Initiating a wearable solid-state Mg hybrid ion full battery with high voltage, high capacity and ultra-long lifespan in air", <i>Energy Storage Materials</i> , 31, 04 August 2020, pp 451-458, doi: <a href="https://doi.org/10.1016/j.ensm.2020.08.001">https://doi.org/10.1016/j.ensm.2020.08.001</a> .
	#LI Xinliang, LI Mian, #YANG Qi, #LIANG Guojin, #HUANG Zhaodong, #MA Longtao, #WANG Donghong, #MO Funian, DONG Binbin, HUANG Qing, ZHI Chunyi, "In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery", <i>Advanced Energy Materials</i> , 10(36), 09 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001791">https://doi.org/10.1002/aenm.202001791</a> .
	LI Mian, #LI Xinliang, QIN Guifang, LUO Kan, LU Jun, LI Youbing, #LIANG Guojin, #HUANG Zhaodong, ZHOU Jie, HULTMAN Lars, EKLUND Per, PERSSON Per O. Å., DU Shiyu, CHAI Zhifang, ZHI Chunyi, HUANG Qing, "Halogenated Ti <sub>3</sub> C <sub>2</sub> MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries", <i>ACS Nano</i> , 15(1), 08 January 2021, pp 1077-1085, doi: <a href="https://doi.org/10.1021/acsnano.0c07972">https://doi.org/10.1021/acsnano.0c07972</a> .
	#LI Pei, #LI Chuan, #GUO Xun, #LI Xinliang, ZHI Chunyi, "Metal-Iodine and Metal-Bromine Batteries: A Review", <i>Bulletin of the Chemical Society of Japan</i> , 94(8), 19 June 2021, pp 2036-2042, doi: <a href="https://doi.org/10.1246/bcsj.20210182">https://doi.org/10.1246/bcsj.20210182</a> .
	#YANG Qi, #LI Qing, LIU Zhuoxin, #WANG Donghong, #GUO Ying, #LI Xinliang, TANG Yongchao, LI Hongfei, DONG Binbin, ZHI Chunyi, "Dendrites in Zn-Based Batteries", <i>Advanced Materials</i> , 32(48), 26 October 2020, doi: <a href="https://doi.org/10.1002/adma.202001854">https://doi.org/10.1002/adma.202001854</a> .
	#HUANG Zhaodong, #HOU Yue, #WANG Tairan, #ZHAO Yuwei, #LIANG Guojin, #LI Xinliang, #GUO Ying, #YANG Qi, #CHEN Ze, #LI Qing, #MA Longtao, FAN Jun, ZHI Chunyi, "Manipulating

	anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i> , 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a> .
	#ZHAO Yuwei, #CHEN Ze, #MO Funian, #WANG Donghong, #GUO Ying, LIU Zhuoxin, #LI Xinliang, #LI Qing, #LIANG Guojin, ZHI Chunyi, "Aqueous Rechargeable Metal-Ion Batteries Working at Subzero Temperatures", <i>Advanced Science</i> , 8(1), 23 November 2020, doi: <a href="https://doi.org/10.1002/advs.202002590">https://doi.org/10.1002/advs.202002590</a> .
	#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #LIANG Guojin, #YANG Qi, LI Mian, #ZHAO Yuwei, #MA Longtao, DONG Binbin, HUANG Qing, FAN Jun, ZHI Chunyi, "Enhanced Redox Kinetics and Duration of Aqueous I <sub>2</sub> /I <sup>-</sup> Conversion Chemistry by MXene Confinement", <i>Advanced Materials</i> , 33(8), 20 January 2021, doi: <a href="https://doi.org/10.1002/adma.202006897">https://doi.org/10.1002/adma.202006897</a> .
	#CHEN Ze, #LI Xinliang, #WANG Donghong, #YANG Qi, #MA Longtao, #HUANG Zhaodong, #LIANG Guojin, #CHEN Ao, #GUO Ying, DONG Binbin, HUANG Xingyi, YANG Cheng, ZHI Chunyi, "Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures", <i>Energy &amp; Environmental Science</i> , 14(6), 21 April 2021, pp 3492-3501, doi: <a href="https://doi.org/10.1039/d1ee00409c">https://doi.org/10.1039/d1ee00409c</a> .
	#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #ZHAO Yuwei, #LIANG Guojin, #YANG Qi, LI Mian, HUANG Qing, DONG Binbin, FAN Jun, ZHI Chunyi, "Confining Aqueous Zn-Br Halide Redox Chemistry by Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene", <i>ACS Nano</i> , 15(1), 13 January 2021, pp 1718-1726, doi: <a href="https://doi.org/10.1021/acsnano.0c09380">https://doi.org/10.1021/acsnano.0c09380</a> .
	#MA Longtao, #CUI Huilin, #CHEN Shengmei, #LI Xinliang, DONG Binbin, ZHI Chunyi, "Accommodating diverse ions in Prussian blue analogs frameworks for rechargeable batteries: The electrochemical redox reactions", <i>Nano Energy</i> , 81, 24 November 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105632">https://doi.org/10.1016/j.nanoen.2020.105632</a> .
	#HUANG Zhaodong, #WANG Tairan, SONG Hao, #LI Xinliang, #LIANG Guojin, #WANG Donghong, #YANG Qi, #CHEN Ze, #MA Longtao, LIU Zhuoxin, #MA Longtao, FAN Jun, ZHI Chunyi, "Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors", <i>Angewandte Chemie - International Edition</i> , 23 September 2020, doi: <a href="https://doi.org/10.1002/anie.202012202">https://doi.org/10.1002/anie.202012202</a> .
<b>LI Yanxiu</b>	ALBALADEJO-SIGUAN Miguel, BAIRD Elizabeth C., BECKER-KOCH David, #LI Yanxiu, ROGACH Andrey, VAYNZOF Yana, "Stability of Quantum Dot Solar Cells: A Matter of (Life)Time", <i>Advanced Energy Materials</i> , 11(12), 12 February 2021, doi: <a href="https://doi.org/10.1002/aenm.202003457">https://doi.org/10.1002/aenm.202003457</a> .
	70 authors and including, DEY Amrita, YE Junzhi, DE Apurba, DEBROYE Elke, HA Seung Kyun, BLADT Eva, KSHIRSAGAR Anuraj S., WANG Ziyu, YIN Jun, WANG Yue, QUAN Li Na, YAN Fei, GAO Mengyu, LI Xiaoming, SHAMSI Javad, DEBNATH Tushar, CAO Muhan, SCHEEL Manuel A., KUMAR Sudhir, STEELE Julian A., GERHARD Marina, CHOUHAN Lata, XU Ke, WU Xian-Gang, #LI Yanxiu, ZHANG Yangning, DUTTA Anirban, HAN Chuang, VINCON Ilka, ROGACH Andrey, NAG Angshuman, SAMANTA Anunay, KORGEL Brian A., SHIH Chih-Jen, GAMELIN Daniel R., SON Dong Hee, ZENG Haibo, ZHONG Haizheng, SUN Handong, DEMIR Hilmi Volkan, SCHEBLYKIN Ivan G., MORA-SERÓ Iván, STOLARCZYK Jacek K., ZHANG Jin Z., FELDMANN Jochen, HOFKENS Johan, LUTHER Joseph M., PÉREZ-PRIETO Julia, LI Liang, MANNA Liberato, "State of the Art and Prospects for Halide Perovskite Nanocrystals", <i>ACS Nano</i> , 15(7), 17 June 2021, pp 10775-10981, doi: <a href="https://doi.org/10.1021/acsnano.0c08903">https://doi.org/10.1021/acsnano.0c08903</a> .
	BERESTENNIKOV Alexander S., VAKULENKO Anton, KIRIUSHECHKINA Svetlana, LI Mengyao, #LI Yanxiu, ZELENKOV Lev E., PUSHKAREV Anatoly P., GORLACH Maxim A., ROGACH Andrey, MAKAROV Sergey V., KHANIKAEV Alexander B., "Enhanced Photoluminescence of Halide Perovskite Nanocrystals Mediated by a Higher-Order Topological Metasurface", <i>Journal of Physical Chemistry C</i> , 125(18), 26 April 2021, pp 9884-9890, doi: <a href="https://doi.org/10.1021/acs.jpcc.1c01492">https://doi.org/10.1021/acs.jpcc.1c01492</a> .
	#WANG Shixun, POPOVIC Jasminka, BURAZER Sanja, #PORTNIAGIN Arsenij, LIU Fangzhou, LOW Kam-Hung, #DUAN Zonghui, #LI Yanxiu, XIONG Yuan, ZHU Yuanming, KERSHAW Stephen Vincent, DJURISIC Aleksandra B., ROGACH Andrey, "Strongly Luminescent Dion-Jacobson Tin Bromide Perovskite Microcrystals Induced by Molecular Proton Donors Chloroform and Dichloromethane", <i>Advanced Functional Materials</i> , 29 April 2021, doi: <a href="https://doi.org/10.1002/adfm.202102182">https://doi.org/10.1002/adfm.202102182</a> .



## Section A: Publications of PhD Students

	YIN Wenxu, LI Mengkai, DONG Wei, LUO Zhao, #LI Yanxiu, QIAN Jingyu, ZHANG Jiaqi, ZHANG Wei, ZHANG Yu, <u>KERSHAW Stephen Vincent</u> , ZHANG Xiaoyu, ZHENG Weitao, <u>ROGACH Andrey</u> , "Multidentate Ligand Polyethylenimine Enables Bright Color-Saturated Blue Light-Emitting Diodes Based on CsPbBr <sub>3</sub> Nanoplatelets", <i>ACS Energy Letters</i> , 6(2), 13 January 2021, pp 477-484, doi: <a href="https://doi.org/10.1021/acscenergylett.0c02651">https://doi.org/10.1021/acscenergylett.0c02651</a> .
<b>LI Zebiao</b>	#LI Zebiao, <u>BIAN Haidong</u> , <u>XU Zhengtao</u> , <u>LU Jian</u> , <u>LI Yangyang</u> , "Solution-Based Comproportionation Reaction for Facile Synthesis of Black TiO <sub>2</sub> Nanotubes and Nanoparticles", <i>ACS Applied Energy Materials</i> , 3(7), 27 July 2020, pp 6087-6092, doi: <a href="https://doi.org/10.1021/acsaem.0c00976">https://doi.org/10.1021/acsaem.0c00976</a> .
	#BU Xiuming, <u>LIANG Xiongyi</u> , #EGBO Kingsley Onyekachi, #LI Zebiao, #MENG You, #QUAN Quan, <u>LI Yangyang</u> , <u>YU Kin Man</u> , <u>WU Lawrence</u> , <u>HO Johnny Chung Yin</u> , "Morphology and strain control of hierarchical cobalt oxide nanowire electrocatalysts via solvent effect", <i>Nano Research</i> , 13(11), 15 August 2020, pp 3130–3136, doi: <a href="https://doi.org/10.1007/s12274-020-2983-6">https://doi.org/10.1007/s12274-020-2983-6</a> .
	<u>BIAN Haidong</u> , <u>CHEN Tongyuan</u> , <u>CHEN Zhixuan</u> , #LIU Jiahua, #LI Zebiao, #DU Peng, <u>ZHOU Binbin</u> , <u>ZENG Xierong</u> , <u>TANG Jiaoning</u> , <u>LIU Chen</u> , "One-step synthesis of mesoporous Cobalt sulfides (CoS <sub>x</sub> ) on the metal substrate as an efficient bifunctional electrode for overall water splitting", <i>Electrochimica Acta</i> , 389, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.electacta.2021.138786">https://doi.org/10.1016/j.electacta.2021.138786</a> .
	#LIU Yuanchao, #PAN Jie, <u>ZHANG Guobin</u> , #LI Zebiao, <u>HU Zhenlin</u> , <u>CHU Yanwu</u> , <u>GUO Lianbo</u> , <u>LAU Condon</u> , "Stable and ultrasensitive analysis of organic pollutants and heavy metals by dried droplet method with superhydrophobic-induced enrichment", <i>Analytica Chimica Acta</i> , 1151, 25 January 2021, doi: <a href="https://doi.org/10.1016/j.aca.2021.338253">https://doi.org/10.1016/j.aca.2021.338253</a> .
	#XU Chen, <u>THAKUR Abhimanyu</u> , #LI Zebiao, #YANG Tian, #ZHAO Chenghao, <u>LI Yangyang</u> , <u>LEE Youngjin</u> , <u>WU Lawrence</u> , "Determination of glioma cells' malignancy and their response to TMZ via detecting exosomal BIGH3 by a TiO <sub>2</sub> -CTFE-AuNIs plasmonic biosensor", <i>Chemical Engineering Journal</i> , 415, 14 February 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.128948">https://doi.org/10.1016/j.cej.2021.128948</a> .
	<u>BIAN Haidong</u> , #LI Zebiao, #PAN Jie, #LYU Fucong, #XIAO Xufen, <u>TANG Jiaoning</u> , <u>SCHMUKI Patrik</u> , <u>LIU Chen</u> , <u>LU Jian</u> , <u>LI Yangyang</u> , "Anodic self-assembly method for synthesizing hierarchical FeS/FeO <sub>x</sub> hollow nanospheres", <i>Journal of Power Sources</i> , 484, 01 December 2020, doi: <a href="https://doi.org/10.1016/j.jpowsour.2020.229268">https://doi.org/10.1016/j.jpowsour.2020.229268</a> .
<b>LI Zhongxiao</b>	<u>WANG Jing</u> , <u>FENG Tao</u> , <u>CHEN Jiabin</u> , <u>RAMALINGAM Vinoth</u> , #LI Zhongxiao, <u>KABTAMU Daniel Manaye</u> , <u>HE Jr-Hau</u> , <u>FANG Xiaosheng</u> , "Electrocatalytic nitrate/nitrite reduction to ammonia synthesis using metal nanocatalysts and bio-inspired metalloenzymes", <i>Nano Energy</i> , 86, 24 April 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106088">https://doi.org/10.1016/j.nanoen.2021.106088</a> .
<b>LI Zhuo</b>	#LI Zhuo, <u>LU Jinlian</u> , <u>JIN Lei</u> , <u>RUSZ Ján</u> , <u>KOCEVSKI Vancho</u> , <u>YANAGIHARA Hideto</u> , <u>KITA Eiji</u> , <u>MAYER Joachim</u> , <u>DUNIN-BORKOWSKI Rafal E.</u> , <u>XIANG Hongjun</u> , <u>ZHONG Xiaoyan</u> , "Atomic Structure and Electron Magnetic Circular Dichroism of Individual Rock Salt Structure Antiphase Boundaries in Spinel Ferrites", <i>Advanced Functional Materials</i> , 31(21), 17 March 2021, doi: <a href="https://doi.org/10.1002/adfm.202008306">https://doi.org/10.1002/adfm.202008306</a> .
	<u>ZHONG Xiaoyan</u> , #LI Zhuo, "原子尺度材料三维结构、磁性及动态演变的透射电子显微学表征", <i>物理学报/Acta Physica Sinica</i> , 70(6), 09 March 2021, doi: <a href="https://doi.org/10.7498/aps.70.20202072">https://doi.org/10.7498/aps.70.20202072</a> .
<b>LIANG Guojin</b>	#LI Xinliang, <u>LI Mian</u> , #YANG Qi, #WANG Donghong, #MA Longtao, #LIANG Guojin, #HUANG Zhaodong, <u>DONG Binbin</u> , <u>HUANG Qing</u> , <u>ZHI Chunyi</u> , "Vertically Aligned Sn <sup>4+</sup> Preintercalated Ti <sub>2</sub> CT <sub>x</sub> MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan", <i>Advanced Energy Materials</i> , 10(35), 05 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001394">https://doi.org/10.1002/aenm.202001394</a> .
	#CHEN Ze, #YANG Qi, #MO Funian, #LI Na, #LIANG Guojin, #LI Xinliang, #HUANG Zhaodong, #WANG Donghong, <u>HUANG Weichun</u> , <u>FAN Jun</u> , <u>ZHI Chunyi</u> , "Aqueous Zinc–Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity", <i>Advanced Materials</i> , 32(42), 13 September 2020, doi: <a href="https://doi.org/10.1002/adma.202001469">https://doi.org/10.1002/adma.202001469</a> .
	<u>GUO Binbin</u> , #LIANG Guojin, <u>YU Shixiang</u> , <u>WANG Yue</u> , <u>ZHI Chunyi</u> , <u>BAI Jiaming</u> , "3D printing of reduced graphene oxide aerogels for energy storage devices: A paradigm from materials

## Section A: Publications of PhD Students

	and technologies to applications", <i>Energy Storage Materials</i> , 39, 15 April 2021, pp 146-165, doi: <a href="https://doi.org/10.1016/j.ensm.2021.04.021">https://doi.org/10.1016/j.ensm.2021.04.021</a> .
	# <u>LI Xinliang</u> , <u>LI Mian</u> , # <u>HUANG Zhaodong</u> , # <u>LIANG Guojin</u> , # <u>CHEN Ze</u> , # <u>YANG Qi</u> , <u>HUANG Qing</u> , # <u>ZHI Chunyi</u> , "Activating the I <sup>0</sup> /I <sup>+</sup> redox couple in an aqueous I <sub>2</sub> -Zn battery to achieve a high voltage plateau", <i>Energy and Environmental Science</i> , 14(1), 08 December 2020, pp 407-413, doi: <a href="https://doi.org/10.1039/d0ee03086d">https://doi.org/10.1039/d0ee03086d</a> .
	# <u>LIANG Guojin</u> , # <u>ZHI Chunyi</u> , "A reversible Zn-metal battery", <i>Nature Nanotechnology</i> , 10 May 2021, doi: <a href="https://doi.org/10.1038/s41565-021-00908-1">https://doi.org/10.1038/s41565-021-00908-1</a> .
	# <u>LI Xinliang</u> , <u>LI Mian</u> , # <u>YANG Qi</u> , # <u>LIANG Guojin</u> , # <u>HUANG Zhaodong</u> , # <u>MA Longtao</u> , # <u>WANG Donghong</u> , # <u>MO Funian</u> , <u>DONG Binbin</u> , <u>HUANG Qing</u> , # <u>ZHI Chunyi</u> , "In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery", <i>Advanced Energy Materials</i> , 10(36), 09 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001791">https://doi.org/10.1002/aenm.202001791</a> .
	<u>LI Mian</u> , # <u>LI Xinliang</u> , <u>QIN Guifang</u> , <u>LUO Kan</u> , <u>LU Jun</u> , <u>LI Youbing</u> , # <u>LIANG Guojin</u> , # <u>HUANG Zhaodong</u> , <u>ZHOU Jie</u> , <u>HULTMAN Lars</u> , <u>EKLUND Per</u> , <u>PERSSON Per O. Å.</u> , <u>DU Shiyu</u> , <u>CHAI Zhifang</u> , # <u>ZHI Chunyi</u> , <u>HUANG Qing</u> , "Halogenated Ti <sub>3</sub> C <sub>2</sub> MXenes with Electrochemically Active Terminals for High-Performance Zinc Ion Batteries", <i>ACS Nano</i> , 15(1), 08 January 2021, pp 1077-1085, doi: <a href="https://doi.org/10.1021/acsnano.0c07972">https://doi.org/10.1021/acsnano.0c07972</a> .
	# <u>CHEN Ze</u> , # <u>MO Funian</u> , # <u>WANG Tairan</u> , # <u>YANG Qi</u> , # <u>HUANG Zhaodong</u> , # <u>WANG Donghong</u> , # <u>LIANG Guojin</u> , # <u>CHEN Ao</u> , # <u>LI Qing</u> , # <u>GUO Ying</u> , # <u>LI Xinliang</u> , # <u>FAN Jun</u> , # <u>ZHI Chunyi</u> , "Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i> , 14(4), 02 March 2021, pp 2441-2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a> .
	# <u>LIANG Guojin</u> , # <u>MO Funian</u> , # <u>JI Xiulei</u> , # <u>ZHI Chunyi</u> , "Non-metallic charge carriers for aqueous batteries", <i>Nature Reviews Materials</i> , 6(2), 14 October 2020, pp 109-123, doi: <a href="https://doi.org/10.1038/s41578-020-00241-4">https://doi.org/10.1038/s41578-020-00241-4</a> .
	# <u>WANG Donghong</u> , <u>LV Haiming</u> , <u>HUSSAIN Tanveer</u> , # <u>YANG Qi</u> , # <u>LIANG Guojin</u> , # <u>ZHAO Yuwei</u> , # <u>MA Longtao</u> , # <u>LI Qing</u> , <u>LI Hongfei</u> , <u>DONG Binbin</u> , <u>KAEWMARAYA Thanayut</u> , # <u>ZHI Chunyi</u> , "A manganese hexacyanoferrate framework with enlarged ion tunnels and two-species redox reaction for aqueous Al-ion batteries", <i>Nano Energy</i> , 84, 03 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.105945">https://doi.org/10.1016/j.nanoen.2021.105945</a> .
	# <u>LI Qing</u> , # <u>WANG Yanbo</u> , # <u>MO Funian</u> , # <u>WANG Donghong</u> , # <u>LIANG Guojin</u> , # <u>ZHAO Yuwei</u> , # <u>YANG Qi</u> , # <u>HUANG Zhaodong</u> , # <u>ZHI Chunyi</u> , "Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure", <i>Advanced Energy Materials</i> , 11(14), 19 February 2021, doi: <a href="https://doi.org/10.1002/aenm.202003931">https://doi.org/10.1002/aenm.202003931</a> .
	# <u>HUANG Zhaodong</u> , # <u>HOU Yue</u> , # <u>WANG Tairan</u> , # <u>ZHAO Yuwei</u> , # <u>LIANG Guojin</u> , # <u>LI Xinliang</u> , # <u>GUO Ying</u> , # <u>YANG Qi</u> , # <u>CHEN Ze</u> , # <u>LI Qing</u> , # <u>MA Longtao</u> , # <u>FAN Jun</u> , # <u>ZHI Chunyi</u> , "Manipulating anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i> , 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a> .
	# <u>MO Funian</u> , # <u>LI Qing</u> , # <u>LIANG Guojin</u> , # <u>ZHAO Yuwei</u> , # <u>WANG Donghong</u> , <u>HUANG Yan</u> , <u>WEI Jun</u> , # <u>ZHI Chunyi</u> , "A Self-Healing Crease-Free Supramolecular All-Polymer Supercapacitor", <i>Advanced Science</i> , 8(12), 01 May 2021, doi: <a href="https://doi.org/10.1002/advs.202100072">https://doi.org/10.1002/advs.202100072</a> .
	# <u>ZHAO Yuwei</u> , # <u>CHEN Ze</u> , # <u>MO Funian</u> , # <u>WANG Donghong</u> , # <u>GUO Ying</u> , <u>LIU Zhuoxin</u> , # <u>LI Xinliang</u> , # <u>LI Qing</u> , # <u>LIANG Guojin</u> , # <u>ZHI Chunyi</u> , "Aqueous Rechargeable Metal-Ion Batteries Working at Subzero Temperatures", <i>Advanced Science</i> , 8(1), 23 November 2020, doi: <a href="https://doi.org/10.1002/advs.202002590">https://doi.org/10.1002/advs.202002590</a> .
	# <u>CHEN Ao</u> , # <u>GUO Xun</u> , # <u>YANG Shuo</u> , # <u>LIANG Guojin</u> , # <u>LI Qing</u> , # <u>CHEN Ze</u> , # <u>HUANG Zhaodong</u> , # <u>YANG Qi</u> , # <u>HAN Cuiping</u> , # <u>ZHI Chunyi</u> , "Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities", <i>Energy &amp; Environmental Science</i> , 14(6), 01 May 2021, pp 3599-3608, doi: <a href="https://doi.org/10.1039/d1ee00480h">https://doi.org/10.1039/d1ee00480h</a> .
	# <u>GUO Xun</u> , # <u>YANG Shuo</u> , # <u>WANG Donghong</u> , # <u>CHEN Ao</u> , # <u>WANG Yanbo</u> , # <u>LI Pei</u> , # <u>LIANG Guojin</u> , # <u>ZHI Chunyi</u> , "The energy storage mechanisms of MnO <sub>2</sub> in batteries", <i>Current Opinion in Electrochemistry</i> , 30, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.coelec.2021.100769">https://doi.org/10.1016/j.coelec.2021.100769</a> .

## Section A: Publications of PhD Students

	<p>#<a href="#">LI Xinliang</a>, #<a href="#">LI Na</a>, #<a href="#">HUANG Zhaodong</a>, #<a href="#">CHEN Ze</a>, #<a href="#">LIANG Guojin</a>, #<a href="#">YANG Qi</a>, <a href="#">LI Mian</a>, #<a href="#">ZHAO Yuwei</a>, #<a href="#">MA Longtao</a>, <a href="#">DONG Binbin</a>, <a href="#">HUANG Qing</a>, #<a href="#">FAN Jun</a>, #<a href="#">ZHI Chunyi</a>, "Enhanced Redox Kinetics and Duration of Aqueous I<sub>2</sub>/I<sup>-</sup> Conversion Chemistry by MXene Confinement", <i>Advanced Materials</i>, 33(8), 20 January 2021, doi: <a href="https://doi.org/10.1002/adma.202006897">https://doi.org/10.1002/adma.202006897</a>.</p> <p>#<a href="#">LI Xinliang</a>, #<a href="#">LI Na</a>, #<a href="#">HUANG Zhaodong</a>, #<a href="#">CHEN Ze</a>, #<a href="#">ZHAO Yuwei</a>, #<a href="#">LIANG Guojin</a>, #<a href="#">YANG Qi</a>, <a href="#">LI Mian</a>, <a href="#">HUANG Qing</a>, <a href="#">DONG Binbin</a>, #<a href="#">FAN Jun</a>, #<a href="#">ZHI Chunyi</a>, "Confining Aqueous Zn-Br Halide Redox Chemistry by Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene", <i>ACS Nano</i>, 15(1), 13 January 2021, pp 1718–1726, doi: <a href="https://doi.org/10.1021/acsnano.0c09380">https://doi.org/10.1021/acsnano.0c09380</a>.</p> <p>#<a href="#">HUANG Zhaodong</a>, #<a href="#">WANG Tairan</a>, #<a href="#">SONG Hao</a>, #<a href="#">LI Xinliang</a>, #<a href="#">LIANG Guojin</a>, #<a href="#">WANG Donghong</a>, #<a href="#">YANG Qi</a>, #<a href="#">CHEN Ze</a>, #<a href="#">MA Longtao</a>, #<a href="#">LIU Zhuoxin</a>, #<a href="#">MA Longtao</a>, #<a href="#">FAN Jun</a>, #<a href="#">ZHI Chunyi</a>, "Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors", <i>Angewandte Chemie - International Edition</i>, 23 September 2020, doi: <a href="https://doi.org/10.1002/anie.202012202">https://doi.org/10.1002/anie.202012202</a>.</p> <p>#<a href="#">WANG Donghong</a>, #<a href="#">SUN Jinfeng</a>, #<a href="#">XUE Qi</a>, #<a href="#">LI Qing</a>, #<a href="#">GUO Ying</a>, #<a href="#">ZHAO Yuwei</a>, #<a href="#">CHEN Ze</a>, #<a href="#">HUANG Zhaodong</a>, #<a href="#">YANG Qi</a>, #<a href="#">LIANG Guojin</a>, #<a href="#">DONG Binbin</a>, #<a href="#">ZHI Chunyi</a>, "A universal method towards conductive textile for flexible batteries with superior softness", <i>Energy Storage Materials</i>, 36, 06 January 2021, pp 272-278, doi: <a href="https://doi.org/10.1016/j.ensm.2021.01.001">https://doi.org/10.1016/j.ensm.2021.01.001</a>.</p> <p>#<a href="#">CHEN Ze</a>, #<a href="#">LI Xinliang</a>, #<a href="#">WANG Donghong</a>, #<a href="#">YANG Qi</a>, #<a href="#">MA Longtao</a>, #<a href="#">HUANG Zhaodong</a>, #<a href="#">LIANG Guojin</a>, #<a href="#">CHEN Ao</a>, #<a href="#">GUO Ying</a>, #<a href="#">DONG Binbin</a>, #<a href="#">HUANG Xingyi</a>, #<a href="#">YANG Cheng</a>, #<a href="#">ZHI Chunyi</a>, "Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures", <i>Energy &amp; Environmental Science</i>, 14(6), 21 April 2021, pp 3492-3501, doi: <a href="https://doi.org/10.1039/d1ee00409c">https://doi.org/10.1039/d1ee00409c</a>.</p>
<b>LIU Jiahua</b>	<p>#<a href="#">BIAN Haidong</a>, #<a href="#">CHEN Tongyuan</a>, #<a href="#">CHEN Zhixuan</a>, #<a href="#">LIU Jiahua</a>, #<a href="#">LI Zebiao</a>, #<a href="#">DU Peng</a>, #<a href="#">ZHOU Binbin</a>, #<a href="#">ZENG Xierong</a>, #<a href="#">TANG Jiaoning</a>, #<a href="#">LIU Chen</a>, "One-step synthesis of mesoporous Cobalt sulfides (CoS<sub>x</sub>) on the metal substrate as an efficient bifunctional electrode for overall water splitting", <i>Electrochimica Acta</i>, 389, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.electacta.2021.138786">https://doi.org/10.1016/j.electacta.2021.138786</a>.</p> <p>#<a href="#">LIU Jiahua</a>, #<a href="#">XU Xiao-ying</a>, #<a href="#">LIU Chen</a>, #<a href="#">CHEN Da-Zhu</a>, "Thermal effect on the pseudocapacitive behavior of high-performance flexible supercapacitors based on polypyrrole-decorated carbon cloth electrodes", <i>New Journal of Chemistry</i>, 45(28), 08 June 2021, pp 12435-12447, doi: <a href="https://doi.org/10.1039/d1nj01513c">https://doi.org/10.1039/d1nj01513c</a>.</p>
<b>MA Huan</b>	<p>#<a href="#">SHAO Yang</a>, #<a href="#">GUO Zhihao</a>, #<a href="#">WANG Yibing</a>, #<a href="#">MA Huan</a>, "Fabrication and characterization of NbC-CoCrFeNiMn high-entropy alloy cermets", <i>International Journal of Refractory Metals and Hard Materials</i>, 94, 29 September 2020, doi: <a href="https://doi.org/10.1016/j.ijrmhm.2020.105388">https://doi.org/10.1016/j.ijrmhm.2020.105388</a>.</p> <p>#<a href="#">MA Huan</a>, #<a href="#">SHAO Yang</a>, #<a href="#">SHEK Chan Hung</a>, "CoCuFeNi high entropy alloy reinforced by in-situ W particles", <i>Materials Science and Engineering A</i>, 797, 02 September 2020, doi: <a href="https://doi.org/10.1016/j.msea.2020.140218">https://doi.org/10.1016/j.msea.2020.140218</a>.</p> <p>#<a href="#">MA Huan</a>, #<a href="#">SHAO Yang</a>, #<a href="#">SHEK Chan Hung</a>, "Microstructure, grain growth behavior and mechanical properties of W-CoCuFeNi tungsten heavy alloys prepared by infiltration", <i>International Journal of Refractory Metals and Hard Materials</i>, 98, 08 May 2021, doi: <a href="https://doi.org/10.1016/j.ijrmhm.2021.105572">https://doi.org/10.1016/j.ijrmhm.2021.105572</a>.</p> <p>#<a href="#">SHAO Yang</a>, #<a href="#">MA Huan</a>, #<a href="#">WANG Yibing</a>, "Effect of Mo Addition on The Microstructure and Mechanical Properties of CoCuFeNi High Entropy Alloy", <i>Metals</i>, 10(8), 28 July 2020, doi: <a href="https://doi.org/10.3390/met10081017">https://doi.org/10.3390/met10081017</a>.</p>
<b>MA Longtao</b>	<p>#<a href="#">LI Xinliang</a>, #<a href="#">LI Mian</a>, #<a href="#">YANG Qi</a>, #<a href="#">WANG Donghong</a>, #<a href="#">MA Longtao</a>, #<a href="#">LIANG Guojin</a>, #<a href="#">HUANG Zhaodong</a>, #<a href="#">DONG Binbin</a>, #<a href="#">HUANG Qing</a>, #<a href="#">ZHI Chunyi</a>, "Vertically Aligned Sn<sup>4+</sup> Preintercalated Ti<sub>2</sub>CT<sub>x</sub> MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan", <i>Advanced Energy Materials</i>, 10(35), 05 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001394">https://doi.org/10.1002/aenm.202001394</a>.</p> <p>#<a href="#">MA Longtao</a>, #<a href="#">CHEN Shengmei</a>, #<a href="#">LI Xinliang</a>, #<a href="#">CHEN Ao</a>, #<a href="#">DONG Binbin</a>, #<a href="#">ZHI Chunyi</a>, "Liquid-Free All-Solid-State Zinc Batteries and Encapsulation-Free Flexible Batteries Enabled by In Situ Constructed Polymer Electrolyte", <i>Angewandte Chemie - International Edition</i>, 59(52), 16 September 2020, pp 23836-23844, doi: <a href="https://doi.org/10.1002/anie.202011788">https://doi.org/10.1002/anie.202011788</a>.</p> <p>#<a href="#">MA Longtao</a>, #<a href="#">YING Yiran</a>, #<a href="#">CHEN Shengmei</a>, #<a href="#">HUANG Zhaodong</a>, #<a href="#">CHEN Shengmei</a>, #<a href="#">HUANG Haitao</a>, #<a href="#">ZHI Chunyi</a>, "Electrocatalytic Iodine Reduction Reaction Enabled by Aqueous Zinc-</p>

## Section A: Publications of PhD Students

	Iodine Battery with Improved Power and Energy Densities", <i>Angewandte Chemie - International Edition</i> , 60(7), 14 December 2020, pp 3791–3798, doi: <a href="https://doi.org/10.1002/anie.202014447">https://doi.org/10.1002/anie.202014447</a> .
	#WANG Shuyun, #CHEN Shengmei, #MA Longtao, ZAPIEN Juan Antonio, "Recent progress in cobalt-based carbon materials as oxygen electrocatalysts for zinc-air battery applications", <i>Materials Today Energy</i> , 20, 29 January 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100659">https://doi.org/10.1016/j.mtener.2021.100659</a> .
	#MA Longtao, #LI Xinliang, ZHANG Guobin, #HUANG Zhaodong, HAN Cuiping, LI Hongfei, TANG Zijie, ZHI Chunyi, "Initiating a wearable solid-state Mg hybrid ion full battery with high voltage, high capacity and ultra-long lifespan in air", <i>Energy Storage Materials</i> , 31, 04 August 2020, pp 451-458, doi: <a href="https://doi.org/10.1016/j.ensm.2020.08.001">https://doi.org/10.1016/j.ensm.2020.08.001</a> .
	#MA Longtao, #LI Qing, YING Yiran, MA Feixiang, #CHEN Shengmei, LI Yangyang, HUANG Haitao, ZHI Chunyi, "Toward Practical High-Areal-Capacity Aqueous Zinc-Metal Batteries: Quantifying Hydrogen Evolution and a Solid-Ion Conductor for Stable Zinc Anodes", <i>Advanced Materials</i> , 33(12), 19 February 2021, doi: <a href="https://doi.org/10.1002/adma.202007406">https://doi.org/10.1002/adma.202007406</a> .
	#LI Xinliang, LI Mian, #YANG Qi, #LIANG Guojin, #HUANG Zhaodong, #MA Longtao, #WANG Donghong, #MO Funian, DONG Binbin, HUANG Qing, ZHI Chunyi, "In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery", <i>Advanced Energy Materials</i> , 10(36), 09 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001791">https://doi.org/10.1002/aenm.202001791</a> .
	#MA Longtao, ZHI Chunyi, "Zn electrode/electrolyte interfaces of Zn batteries: A mini review", <i>Electrochemistry Communications</i> , 122, 15 December 2020, doi: <a href="https://doi.org/10.1016/j.elecom.2020.106898">https://doi.org/10.1016/j.elecom.2020.106898</a> .
	#WANG Donghong, LV Haiming, HUSSAIN Tanveer, #YANG Qi, #LIANG Guojin, #ZHAO Yuwei, #MA Longtao, #LI Qing, LI Hongfei, DONG Binbin, KAEWMARAYA Thanayut, ZHI Chunyi, "A manganese hexacyanoferrate framework with enlarged ion tunnels and two-species redox reaction for aqueous Al-ion batteries", <i>Nano Energy</i> , 84, 03 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.105945">https://doi.org/10.1016/j.nanoen.2021.105945</a> .
	#HUANG Zhaodong, #HOU Yue, #WANG Tairan, #ZHAO Yuwei, #LIANG Guojin, #LI Xinliang, #GUO Ying, #YANG Qi, #CHEN Ze, #LI Qing, #MA Longtao, FAN Jun, ZHI Chunyi, "Manipulating anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i> , 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a> .
	#CHEN Ze, #LI Xinliang, #WANG Donghong, #YANG Qi, #MA Longtao, #HUANG Zhaodong, #LIANG Guojin, #CHEN Ao, #GUO Ying, DONG Binbin, HUANG Xingyi, YANG Cheng, ZHI Chunyi, "Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures", <i>Energy &amp; Environmental Science</i> , 14(6), 21 April 2021, pp 3492-3501, doi: <a href="https://doi.org/10.1039/d1ee00409c">https://doi.org/10.1039/d1ee00409c</a> .
	#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #LIANG Guojin, #YANG Qi, LI Mian, #ZHAO Yuwei, #MA Longtao, DONG Binbin, HUANG Qing, FAN Jun, ZHI Chunyi, "Enhanced Redox Kinetics and Duration of Aqueous I <sub>2</sub> /I <sup>-</sup> Conversion Chemistry by MXene Confinement", <i>Advanced Materials</i> , 33(8), 20 January 2021, doi: <a href="https://doi.org/10.1002/adma.202006897">https://doi.org/10.1002/adma.202006897</a> .
	#MA Longtao, #CUI Huilin, #CHEN Shengmei, #LI Xinliang, DONG Binbin, ZHI Chunyi, "Accommodating diverse ions in Prussian blue analogs frameworks for rechargeable batteries: The electrochemical redox reactions", <i>Nano Energy</i> , 81, 24 November 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105632">https://doi.org/10.1016/j.nanoen.2020.105632</a> .
	#HUANG Zhaodong, #WANG Tairan, SONG Hao, #LI Xinliang, #LIANG Guojin, #WANG Donghong, #YANG Qi, #CHEN Ze, #MA Longtao, LIU Zhuoxin, #MA Longtao, FAN Jun, ZHI Chunyi, "Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors", <i>Angewandte Chemie - International Edition</i> , 23 September 2020, doi: <a href="https://doi.org/10.1002/anie.202012202">https://doi.org/10.1002/anie.202012202</a> .
	#HUANG Zhaodong, #WANG Tairan, SONG Hao, #LI Xinliang, #LIANG Guojin, #WANG Donghong, #YANG Qi, #CHEN Ze, #MA Longtao, LIU Zhuoxin, #MA Longtao, FAN Jun, ZHI Chunyi, "Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors", <i>Angewandte Chemie - International Edition</i> , 23 September 2020, doi: <a href="https://doi.org/10.1002/anie.202012202">https://doi.org/10.1002/anie.202012202</a> .

## Section A: Publications of PhD Students

<b>MA Xinyao</b>	#HUANG Changxiong, #ZHU Xiaohong, #LI Na, #MA Xinyao, LI Zhen, FAN Jun, "Simultaneous Sensing of Force and Current Signals to Recognize Proteinogenic Amino Acids at a Single-Molecule Level", <i>Journal of Physical Chemistry Letters</i> , 12(2), 07 January 2021, pp 793-799, doi: <a href="https://doi.org/10.1021/acs.jpcllett.0c02989">https://doi.org/10.1021/acs.jpcllett.0c02989</a> .
	#MA Xinyao, #ZHU Xiaohong, #HUANG Changxiong, LI Zhen, FAN Jun, "Molecular mechanisms underlying the role of the puckered surface in the biocompatibility of black phosphorus", <i>Nanoscale</i> , 13(6), 19 January 2021, pp 3790-3799, doi: <a href="https://doi.org/10.1039/d0nr08480h">https://doi.org/10.1039/d0nr08480h</a> .
<b>MA Yuhui</b>	#MA Yuhui, CHENG Yuanhang, XU Xiuwen, #LI Menglin, ZHANG Chujun, CHEUNG Sin-Hang, #ZENG Zixin, #SHEN Dong, XIE Yuemin, CHIU Ka Lok, LIN Fen, SO Shu Kong, LEE Chun Sing, TSANG Sai Wing, "Suppressing Ion Migration across Perovskite Grain Boundaries by Polymer Additives", <i>Advanced Functional Materials</i> , 31(3), 02 October 2020, doi: <a href="https://doi.org/10.1002/adfm.202006802">https://doi.org/10.1002/adfm.202006802</a> .
	ZHANG Wenjuan, CHEN Xingtong, #MA Yuhui, XU Zhiwei, WU Longjia, YANG Yixing, TSANG Sai Wing, CHEN Song, "Positive Aging Effect of ZnO Nanoparticles Induced by Surface Stabilization", <i>The Journal of Physical Chemistry Letters</i> , 11(15), 03 July 2020, pp 5863-5870, doi: <a href="https://doi.org/10.1021/acs.jpcllett.0c01640">https://doi.org/10.1021/acs.jpcllett.0c01640</a> .
<b>MEHRJOU Babak</b>	SHANAGHI Ali, SOURI Ali Reza, #MEHRJOU Babak, CHU Paul Kim Ho, "Corrosion resistance, nano-mechanical properties, and biocompatibility of Mg-plasma-implanted and plasma-etched Ta/TaN hierarchical multilayered coatings on the nitrided AZ91 Mg alloy", <i>Biomedical Materials (Bristol)</i> , 16(4), 28 May 2021, doi: <a href="https://doi.org/10.1088/1748-605X/ac0318">https://doi.org/10.1088/1748-605X/ac0318</a> .
	SHANAGHI Ali, #MEHRJOU Babak, AHMADIAN Zahra, SOURI Ali Reza, CHU Paul Kim Ho, "Enhanced corrosion resistance, antibacterial properties, and biocompatibility by hierarchical hydroxyapatite/ciprofloxacin-calcium phosphate coating on nitrided NiTi alloy", <i>Materials Science and Engineering C</i> , 118, 18 September 2020, doi: <a href="https://doi.org/10.1016/j.msec.2020.111524">https://doi.org/10.1016/j.msec.2020.111524</a> .
	SHANAGHI Ali, #MEHRJOU Babak, CHU Paul Kim Ho, SHANAGHI Ali, "Enhanced corrosion resistance and reduced cytotoxicity of the AZ91 Mg alloy by plasma nitriding and a hierarchical structure composed of ciprofloxacin-loaded polymeric multilayers and calcium phosphate coating", <i>Journal of Biomedical Materials Research - Part A</i> , 29 June 2021, doi: <a href="https://doi.org/10.1002/jbm.a.37258">https://doi.org/10.1002/jbm.a.37258</a> .
	WANG Guomin, #TANG Kaiwei, MENG Zheyi, #LIU Pei, #MO Shi, #MEHRJOU Babak, WU Zhengwei, CHU Paul Kim Ho, WANG Huaiyu, LIU Xuanyong, "A Quantitative Bacteria Monitoring and Killing Platform Based on Electron Transfer from Bacteria to a Semiconductor", <i>Advanced Materials</i> , 32(39), 19 August 2020, doi: <a href="https://doi.org/10.1002/adma.202003616">https://doi.org/10.1002/adma.202003616</a> .
	DEGHAN-BANIANI Dorsa, #MEHRJOU Babak, CHU Paul Kim Ho, WU Hongkai, "A Biomimetic Nano-Engineered Platform for Functional Tissue Engineering of Cartilage Superficial Zone", <i>Advanced Healthcare Materials</i> , 10(4), 16 August 2020, doi: <a href="https://doi.org/10.1002/adhm.202001018">https://doi.org/10.1002/adhm.202001018</a> .
<b>MEI Liang</b>	ZHAO Jiangqi, XU Zhengjie, ZHOU Zhan, XI Shibo, #XIA Yunpeng, #ZHANG Qingyong, HUANG Lanqin, #MEI Liang, JIANG Yue, GAO Jinwei, ZENG Zhiyuan, TAN Chaoliang, "A Safe Flexible Self-Powered Wristband System by Integrating Defective MnO <sub>2-x</sub> Nanosheet-Based Zinc-Ion Batteries with Perovskite Solar Cells", <i>ACS Nano</i> , 15(6), 26 May 2021, pp 10597-10608, doi: <a href="https://doi.org/10.1021/acsnano.1c03341">https://doi.org/10.1021/acsnano.1c03341</a> .
	#MEI Liang, GAO Xiaoping, #GAO Zhan, #ZHANG Qingyong, YU Xinge, ROGACH Andrey, ZENG Zhiyuan, "Size-selective synthesis of platinum nanoparticles on transition-metal dichalcogenides for the hydrogen evolution reaction", <i>Chemical Communications</i> , 57(23), 05 February 2021, pp 2879-2882, doi: <a href="https://doi.org/10.1039/d0cc08091h">https://doi.org/10.1039/d0cc08091h</a> .
	#GAO Zhan, #YIU Chun Ki, #LIU Yiming, LI Dengfeng, #MEI Liang, ZENG Zhiyuan, YU Xinge, "Stretchable transparent conductive elastomers for skin-integrated electronics", <i>Journal of Materials Chemistry C</i> , 8(43), 22 July 2020, pp 15105-15111, doi: <a href="https://doi.org/10.1039/d0tc02913k">https://doi.org/10.1039/d0tc02913k</a> .
	YANG Ruijie, CHEN Qianqian, MA Yueyong, ZHU Rongshu, FAN Yingying, HUANG Jingyuan, NIU Haonan, DONG Yang, #LI Dan, #ZHANG Yuefeng, #MEI Liang, CHEN Baiyang, ZENG Zhiyuan, "Highly efficient photocatalytic hydrogen evolution and simultaneous

## Section A: Publications of PhD Students

	formaldehyde degradation over Z-scheme ZnIn <sub>2</sub> S <sub>4</sub> -NiO/BiVO <sub>4</sub> hierarchical heterojunction under visible light irradiation", <i>Chemical Engineering Journal</i> , 423, 06 May 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.130164">https://doi.org/10.1016/j.cej.2021.130164</a> .
<b>MENG You</b>	# <a href="#">LI Fangzhou</a> , # <a href="#">MENG You</a> , # <a href="#">KANG Xiaolin</a> , <a href="#">YIP Sen Po</a> , # <a href="#">BU Xiuming</a> , # <a href="#">ZHANG Heng</a> , <a href="#">HO Johnny Chung Yin</a> , "High-mobility In and Ga co-doped ZnO nanowires for high-performance transistors and ultraviolet photodetectors", <i>Nanoscale</i> , 12(30), 07 July 2020, pp 16153-16161, doi: <a href="https://doi.org/10.1039/d0nr03740k">https://doi.org/10.1039/d0nr03740k</a> .
	# <a href="#">LAI Zhengxun</a> , # <a href="#">MENG You</a> , # <a href="#">ZHU Qi</a> , <a href="#">WANG Fei</a> , # <a href="#">BU Xiuming</a> , # <a href="#">LI Fangzhou</a> , # <a href="#">WANG Wei</a> , <a href="#">LIU Chuntai</a> , <a href="#">WANG Feng</a> , <a href="#">HO Johnny Chung Yin</a> , "High-Performance Flexible Self-Powered Photodetectors Utilizing Spontaneous Electron and Hole Separation in Quasi-2D Halide Perovskites", <i>Small</i> , 17(23), 23 April 2021, doi: <a href="https://doi.org/10.1002/smll.202100442">https://doi.org/10.1002/smll.202100442</a> .
	# <a href="#">MENG You</a> , # <a href="#">LAI Zhengxun</a> , # <a href="#">LI Fangzhou</a> , # <a href="#">WANG Wei</a> , <a href="#">YIP Sen Po</a> , # <a href="#">QUAN Quan</a> , # <a href="#">BU Xiuming</a> , <a href="#">WANG Fei</a> , <a href="#">BAO Yan</a> , <a href="#">HOSOMI Takuro</a> , <a href="#">TAKAHASHI Tsunaki</a> , <a href="#">NAGASHIMA Kazuki</a> , <a href="#">YANAGIDA Takeshi</a> , <a href="#">LU Jian</a> , <a href="#">HO Johnny Chung Yin</a> , "Perovskite Core-Shell Nanowire Transistors: Interfacial Transfer Doping and Surface Passivation", <i>ACS Nano</i> , 14(10), 10 September 2020, pp 12749-12760, doi: <a href="https://doi.org/10.1021/acsnano.0c03101">https://doi.org/10.1021/acsnano.0c03101</a> .
	<a href="#">LAN Changyong</a> , # <a href="#">KANG Xiaolin</a> , # <a href="#">MENG You</a> , <a href="#">WEI Renjie</a> , # <a href="#">BU Xiuming</a> , <a href="#">YIP Sen Po</a> , <a href="#">HO Johnny Chung Yin</a> , "The origin of gate bias stress instability and hysteresis in monolayer WS <sub>2</sub> transistors", <i>Nano Research</i> , 13(12), 05 September 2020, pp 3278-3285, doi: <a href="https://doi.org/10.1007/s12274-020-3003-6">https://doi.org/10.1007/s12274-020-3003-6</a> .
	# <a href="#">BU Xiuming</a> , <a href="#">LIANG Xiongyi</a> , # <a href="#">EGBO Kingsley Onyekachi</a> , # <a href="#">LI Zebiao</a> , # <a href="#">MENG You</a> , # <a href="#">QUAN Quan</a> , <a href="#">LI Yangyang</a> , <a href="#">YU Kin Man</a> , <a href="#">WU Lawrence</a> , <a href="#">HO Johnny Chung Yin</a> , "Morphology and strain control of hierarchical cobalt oxide nanowire electrocatalysts via solvent effect", <i>Nano Research</i> , 13(11), 15 August 2020, pp 3130–3136, doi: <a href="https://doi.org/10.1007/s12274-020-2983-6">https://doi.org/10.1007/s12274-020-2983-6</a> .
	<a href="#">LI Dapan</a> , <a href="#">YIP Sen Po</a> , # <a href="#">LI Fangzhou</a> , # <a href="#">ZHANG Heng</a> , # <a href="#">MENG You</a> , # <a href="#">BU Xiuming</a> , # <a href="#">KANG Xiaolin</a> , <a href="#">LAN Changyong</a> , <a href="#">LIU Chuntai</a> , <a href="#">HO Johnny Chung Yin</a> , "Flexible Near-Infrared InGaSb Nanowire Array Detectors with Ultrafast Photoconductive Response Below 20 μs", <i>Advanced Optical Materials</i> , 8(22), 22 September 2020, doi: <a href="https://doi.org/10.1002/adom.202001201">https://doi.org/10.1002/adom.202001201</a> .
	# <a href="#">LAI Zhengxun</a> , <a href="#">DONG Ruoting</a> , # <a href="#">ZHU Qi</a> , # <a href="#">MENG You</a> , <a href="#">WANG Fei</a> , # <a href="#">LI Fangzhou</a> , # <a href="#">BU Xiuming</a> , # <a href="#">KANG Xiaolin</a> , # <a href="#">ZHANG Heng</a> , # <a href="#">QUAN Quan</a> , # <a href="#">WANG Wei</a> , <a href="#">WANG Feng</a> , <a href="#">YIP Sen Po</a> , <a href="#">HO Johnny Chung Yin</a> , "Bication-Mediated Quasi-2D Halide Perovskites for High-Performance Flexible Photodetectors: From Ruddlesden-Popper Type to Dion-Jacobson Type", <i>ACS applied materials &amp; interfaces</i> , 12(35), 07 August 2020, pp 39567-39577, doi: <a href="https://doi.org/10.1021/acsmi.0c09651">https://doi.org/10.1021/acsmi.0c09651</a> .
	# <a href="#">SHIL Sujit Kumer</a> , <a href="#">WANG Fei</a> , # <a href="#">LAI Zhengxun</a> , # <a href="#">MENG You</a> , <a href="#">WANG Yunpeng</a> , <a href="#">ZHAO Dongxu</a> , # <a href="#">HOSSAIN Mohammad Kamal</a> , # <a href="#">EGBO Kingsley Onyekachi</a> , <a href="#">WANG Ying</a> , <a href="#">YU Kin Man</a> , <a href="#">HO Johnny Chung Yin</a> , "Crystalline all-inorganic lead-free Cs <sub>3</sub> Sb <sub>2</sub> I <sub>9</sub> perovskite microplates with ultra-fast photoconductive response and robust thermal stability", <i>Nano Research</i> , 13 March 2021, doi: <a href="https://doi.org/10.1007/s12274-021-3351-x">https://doi.org/10.1007/s12274-021-3351-x</a> .
	# <a href="#">BU Xiuming</a> , <a href="#">WEI Renjie</a> , <a href="#">CAI Zhengyang</a> , # <a href="#">QUAN Quan</a> , # <a href="#">ZHANG Heng</a> , # <a href="#">WANG Wei</a> , # <a href="#">LI Fangzhou</a> , <a href="#">YIP Sen Po</a> , # <a href="#">MENG You</a> , <a href="#">CHAN Kwok Sum</a> , <a href="#">WANG Xianying</a> , <a href="#">HO Johnny Chung Yin</a> , "More than physical support: The effect of nickel foam corrosion on electrocatalytic performance", <i>Applied Surface Science</i> , 538, 28 September 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.147977">https://doi.org/10.1016/j.apsusc.2020.147977</a> .
	# <a href="#">KANG Xiaolin</a> , <a href="#">LAN Changyong</a> , # <a href="#">LI Fangzhou</a> , # <a href="#">WANG Wei</a> , <a href="#">YIP Sen Po</a> , # <a href="#">MENG You</a> , <a href="#">WANG Fei</a> , # <a href="#">LAI Zhengxun</a> , <a href="#">LIU Chuntai</a> , <a href="#">HO Johnny Chung Yin</a> , "Van der Waals PdSe <sub>2</sub> /WS <sub>2</sub> Heterostructures for Robust High-Performance Broadband Photodetection from Visible to Infrared Optical Communication Band", <i>Advanced Optical Materials</i> , 9(7), 20 January 2021, doi: <a href="https://doi.org/10.1002/adom.202001991">https://doi.org/10.1002/adom.202001991</a> .
# <a href="#">QUAN Quan</a> , # <a href="#">LAI Zhengxun</a> , <a href="#">BAO Yan</a> , # <a href="#">BU Xiuming</a> , # <a href="#">MENG You</a> , # <a href="#">WANG Wei</a> , <a href="#">TAKAHASHI Tsunaki</a> , <a href="#">HOSOMI Takuro</a> , <a href="#">NAGASHIMA Kazuki</a> , <a href="#">YANAGIDA Takeshi</a> , <a href="#">LIU Chuntai</a> , <a href="#">LU Jian</a> , <a href="#">HO Johnny Chung Yin</a> , "Self-Anti-Stacking 2D Metal Phosphide Loop-Sheet Heterostructures by Edge-Topological Regulation for Highly Efficient Water Oxidation", <i>Small</i> , 17(7), 22 January 2021, doi: <a href="https://doi.org/10.1002/smll.202006860">https://doi.org/10.1002/smll.202006860</a> .	

Section A: Publications of PhD Students

	<p>#MENG You, #LI Fangzhou, LAN Changyong, #BU Xiuming, #KANG Xiaolin, WEI Renjie, YIP Sen Po, LI Dapan, WANG Fei, TAKAHASHI Tsunaki, HOSOMI Takuro, NAGASHIMA Kazuki, YANAGIDA Takeshi, HO Johnny Chung Yin, "Artificial visual systems enabled by quasi-two-dimensional electron gases in oxide superlattice nanowires", <i>Science Advances</i>, 6(46), 11 November 2020, doi: <a href="https://doi.org/10.1126/sciadv.abc6389">https://doi.org/10.1126/sciadv.abc6389</a>.</p>
	<p>#LI Xiaocui, #MENG You, FAN Rong, #FAN Sufeng, #DANG Chaoqun, #FENG Xiaobin, HO Johnny Chung Yin, LU Yang, "High elasticity of CsPbBr<sub>3</sub> perovskite nanowires for flexible electronics", <i>Nano Research</i>, 03 March 2021, doi: <a href="https://doi.org/10.1007/s12274-021-3332-0">https://doi.org/10.1007/s12274-021-3332-0</a>.</p>
	<p>LAN Changyong, YIP Sen Po, #KANG Xiaolin, #MENG You, #BU Xiuming, HO Johnny Chung Yin, "Gate Bias Stress Instability and Hysteresis Characteristics of InAs Nanowire Field-Effect Transistors", <i>ACS Applied Materials and Interfaces</i>, 12(50), 08 December 2020, pp 56330–56337, doi: <a href="https://doi.org/10.1021/acscami.0c17317">https://doi.org/10.1021/acscami.0c17317</a>.</p>
<b>MO Funian</b>	<p>#MO Funian, HUANG Yan, #LI Qing, WANG Zifeng, JIANG Ruijuan, GAI Weiming, ZHI Chunyi, "A Highly Stable and Durable Capacitive Strain Sensor Based on Dynamically Super-Tough Hydro/Organo-Gels", <i>Advanced Functional Materials</i>, 31(28), 25 April 2021, doi: <a href="https://doi.org/10.1002/adfm.202010830">https://doi.org/10.1002/adfm.202010830</a>.</p>
	<p>#MO Funian, WANG Zifeng, JIANG Ruijuan, GAI Weiming, #LI Qing, LV Shuangkun, ZHI Chunyi, "Energy-dissipative dual-crosslinked hydrogels for dynamically super-tough sensors", <i>Science China Materials</i>, 21 June 2021, doi: <a href="https://doi.org/10.1007/s40843-021-1671-1">https://doi.org/10.1007/s40843-021-1671-1</a>.</p>
	<p>#CHEN Ze, #YANG Qi, #MO Funian, #LI Na, #LIANG Guojin, #LI Xinliang, #HUANG Zhaodong, #WANG Donghong, HUANG Weichun, FAN Jun, ZHI Chunyi, "Aqueous Zinc–Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity", <i>Advanced Materials</i>, 32(42), 13 September 2020, doi: <a href="https://doi.org/10.1002/adma.202001469">https://doi.org/10.1002/adma.202001469</a>.</p>
	<p>#CHEN Ze, #MO Funian, #WANG Tairan, #YANG Qi, #HUANG Zhaodong, #WANG Donghong, #LIANG Guojin, #CHEN Ao, #LI Qing, #GUO Ying, #LI Xinliang, FAN Jun, ZHI Chunyi, "Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i>, 14(4), 02 March 2021, pp 2441–2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a>.</p>
	<p>#LI Xinliang, LI Mian, #YANG Qi, #LIANG Guojin, #HUANG Zhaodong, #MA Longtao, #WANG Donghong, #MO Funian, DONG Binbin, HUANG Qing, ZHI Chunyi, "In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery", <i>Advanced Energy Materials</i>, 10(36), 09 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001791">https://doi.org/10.1002/aenm.202001791</a>.</p>
	<p>#LIANG Guojin, #MO Funian, JI Xiulei, ZHI Chunyi, "Non-metallic charge carriers for aqueous batteries", <i>Nature Reviews Materials</i>, 6(2), 14 October 2020, pp 109–123, doi: <a href="https://doi.org/10.1038/s41578-020-00241-4">https://doi.org/10.1038/s41578-020-00241-4</a>.</p>
	<p>#LI Qing, #WANG Yanbo, #MO Funian, #WANG Donghong, #LIANG Guojin, #ZHAO Yuwei, #YANG Qi, #HUANG Zhaodong, ZHI Chunyi, "Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure", <i>Advanced Energy Materials</i>, 11(14), 19 February 2021, doi: <a href="https://doi.org/10.1002/aenm.202003931">https://doi.org/10.1002/aenm.202003931</a>.</p>
	<p>#MO Funian, #LI Qing, #LIANG Guojin, #ZHAO Yuwei, #WANG Donghong, HUANG Yan, WEI Jun, ZHI Chunyi, "A Self-Healing Crease-Free Supramolecular All-Polymer Supercapacitor", <i>Advanced Science</i>, 8(12), 01 May 2021, doi: <a href="https://doi.org/10.1002/advs.202100072">https://doi.org/10.1002/advs.202100072</a>.</p>
	<p>#ZHAO Yuwei, #CHEN Ze, #MO Funian, #WANG Donghong, #GUO Ying, LIU Zhuoxin, #LI Xinliang, #LI Qing, #LIANG Guojin, ZHI Chunyi, "Aqueous Rechargeable Metal-Ion Batteries Working at Subzero Temperatures", <i>Advanced Science</i>, 8(1), 23 November 2020, doi: <a href="https://doi.org/10.1002/advs.202002590">https://doi.org/10.1002/advs.202002590</a>.</p>
<b>MUSAH Jamal-Deen</b>	<p>#ILYAS Abdul-mojeed Olabisi, #ALAM Md Kowsar, #MUSAH Jamal-Deen, #SAW Lin Oo, VENKATESH Shishir, YEUNG Chi Chung, YANG M, VELLAISAMY A. L. Roy, LAU Condon, "Development of a carboxyl-terminated Indium Tin Oxide electrode for improving cell adhesion and facilitating low noise, real-time impedance measurements", <i>American Journal of Physiology - Cell Physiology</i>, 320(6), 10 March 2021, pp C974–C986, doi: <a href="https://doi.org/10.1152/ajpcell.00537.2020">https://doi.org/10.1152/ajpcell.00537.2020</a>.</p>

## Section A: Publications of PhD Students

	<p>#<a href="#">ILYAS Abdul-mojeed Olabisi</a>, #<a href="#">ALAM Md Kowsar</a>, #<a href="#">MUSAH Jamal-Deen</a>, <a href="#">YANG M</a>, <a href="#">LAM Yun Wah</a>, <a href="#">VELLAISAMY A. L. Roy</a>, <a href="#">LAU Condon</a>, "Investigation on the Direct and Bystander Effects in HeLa Cells Exposed to Very Low <math>\alpha</math>-Radiation Using Electrical Impedance Measurement", <i>ACS Omega</i>, 6(22), 26 May 2021, pp 13995–14003, doi: <a href="https://doi.org/10.1021/acsomega.0c05888">https://doi.org/10.1021/acsomega.0c05888</a>.</p> <p>#<a href="#">MUSAH Jamal-Deen</a>, #<a href="#">GUO Chen</a>, <a href="#">NOVITSKII Andrei</a>, <a href="#">SERHIIENKO Illia</a>, #<a href="#">ADESINA Ayotunde Emmanuel</a>, <a href="#">KHOVAYLO Vladimir</a>, <a href="#">WU Lawrence</a>, <a href="#">ZAPIEN Juan Antonio</a>, <a href="#">VELLAISAMY Arul Lenus Roy</a>, "Ultralow Thermal Conductivity in Dual-Doped n-Type Bi<sub>2</sub>Te<sub>3</sub> Material for Enhanced Thermoelectric Properties", <i>Advanced Electronic Materials</i>, 7(2), 12 January 2021, doi: <a href="https://doi.org/10.1002/aelm.202000910">https://doi.org/10.1002/aelm.202000910</a>.</p> <p>#<a href="#">ILYAS Abdul-mojeed Olabisi</a>, #<a href="#">ALAM Md Kowsar</a>, #<a href="#">MUSAH Jamal-Deen</a>, <a href="#">YANG M</a>, <a href="#">VELLAISAMY A. L. Roy</a>, <a href="#">LAM Yun Wah</a>, <a href="#">LAU Condon</a>, "CHO cell dysfunction due to radiation-induced bystander signals observed by real-time electrical impedance measurement", <i>Biosensors and Bioelectronics</i>, 181, 05 March 2021, doi: <a href="https://doi.org/10.1016/j.bios.2021.113142">https://doi.org/10.1016/j.bios.2021.113142</a>.</p> <p>#<a href="#">MUSAH Jamal-Deen</a>, #<a href="#">ILYAS Abdul-mojeed Olabisi</a>, <a href="#">NOVITSKII Andrei</a>, <a href="#">SERHIIENKO Illia</a>, #<a href="#">EGBO Kingsley Onyekachi</a>, <a href="#">SAIANAND Gopalan</a>, <a href="#">KHOVAYLO Vladimir</a>, <a href="#">KWOFIE Samuel</a>, <a href="#">YU Kin Man</a>, <a href="#">VELLAISAMY Arul Lenus Roy</a>, "Effective decoupling of seebeck coefficient and the electrical conductivity through isovalent substitution of erbium in bismuth selenide thermoelectric material", <i>Journal of Alloys and Compounds</i>, 857, 13 October 2020, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.157559">https://doi.org/10.1016/j.jallcom.2020.157559</a>.</p>
<b>PAN Jie</b>	<p>#<a href="#">LIU Yuanchao</a>, #<a href="#">PAN Jie</a>, <a href="#">HU Zhenlin</a>, <a href="#">CHU Yanwu</a>, #<a href="#">KHAN Muhammad Shehzad</a>, #<a href="#">TANG Kaiwei</a>, <a href="#">GUO Lianbo</a>, <a href="#">LAU Condon</a>, "Stability improvement for dried droplet pretreatment by suppression of coffee ring effect using electrochemical anodized nanoporous tin dioxide substrate", <i>Microchimica Acta</i>, 187(12), 17 November 2020, doi: <a href="https://doi.org/10.1007/s00604-020-04640-w">https://doi.org/10.1007/s00604-020-04640-w</a>.</p> <p>#<a href="#">LIU Yuanchao</a>, #<a href="#">PAN Jie</a>, <a href="#">ZHANG Guobin</a>, #<a href="#">LI Zebiao</a>, <a href="#">HU Zhenlin</a>, <a href="#">CHU Yanwu</a>, <a href="#">GUO Lianbo</a>, <a href="#">LAU Condon</a>, "Stable and ultrasensitive analysis of organic pollutants and heavy metals by dried droplet method with superhydrophobic-induced enrichment", <i>Analytica Chimica Acta</i>, 1151, 25 January 2021, doi: <a href="https://doi.org/10.1016/j.aca.2021.338253">https://doi.org/10.1016/j.aca.2021.338253</a>.</p> <p>#<a href="#">DU Peng</a>, <a href="#">BAO Yan</a>, #<a href="#">GUO Chen</a>, <a href="#">WU Lawrence</a>, #<a href="#">PAN Jie</a>, #<a href="#">ZHAO Chenghao</a>, <a href="#">MA Feixiang</a>, <a href="#">LU Jian</a>, <a href="#">LI Yangyang</a>, "Design of Fe,N co-doped multi-walled carbon nanotubes for efficient oxygen reduction", <i>Chemical Communications</i>, 56(92), 21 October 2020, pp 14467-14470, doi: <a href="https://doi.org/10.1039/d0cc05520d">https://doi.org/10.1039/d0cc05520d</a>.</p> <p><a href="#">BIAN Haidong</a>, #<a href="#">LI Zebiao</a>, #<a href="#">PAN Jie</a>, #<a href="#">LYU Fucong</a>, #<a href="#">XIAO Xufen</a>, <a href="#">TANG Jiaoning</a>, <a href="#">SCHMUKI Patrik</a>, <a href="#">LIU Chen</a>, <a href="#">LU Jian</a>, <a href="#">LI Yangyang</a>, "Anodic self-assembly method for synthesizing hierarchical FeS/FeO<sub>x</sub> hollow nanospheres", <i>Journal of Power Sources</i>, 484, 01 December 2020, doi: <a href="https://doi.org/10.1016/j.jpowsour.2020.229268">https://doi.org/10.1016/j.jpowsour.2020.229268</a>.</p>
<b>PENG Zhiwei</b>	<p>#<a href="#">PENG Zhiwei</a>, <a href="#">CHEN Xiaolin</a>, <a href="#">FAN Yulong</a>, <a href="#">SROLOVITZ David Joseph</a>, <a href="#">LEI Danyuan</a>, "Strain engineering of 2D semiconductors and graphene: from strain fields to band-structure tuning and photonic applications", <i>Light: Science &amp; Applications</i>, 9, 23 November 2020, doi: <a href="https://doi.org/10.1038/s41377-020-00421-5">https://doi.org/10.1038/s41377-020-00421-5</a>.</p>
<b>PORTNIAGIN Arsenii</b>	<p>#<a href="#">WANG Shixun</a>, <a href="#">POPOVIC Jasminka</a>, <a href="#">BURAZER Sanja</a>, #<a href="#">PORTNIAGIN Arsenii</a>, <a href="#">LIU Fangzhou</a>, <a href="#">LOW Kam-Hung</a>, #<a href="#">DUAN Zonghui</a>, #<a href="#">LI Yanxiu</a>, <a href="#">XIONG Yuan</a>, <a href="#">ZHU Yuanming</a>, <a href="#">KERSHAW Stephen Vincent</a>, <a href="#">DJURISIC Aleksandra B.</a>, <a href="#">ROGACH Andrey</a>, "Strongly Luminescent Dion-Jacobson Tin Bromide Perovskite Microcrystals Induced by Molecular Proton Donors Chloroform and Dichloromethane", <i>Advanced Functional Materials</i>, 29 April 2021, doi: <a href="https://doi.org/10.1002/adfm.202102182">https://doi.org/10.1002/adfm.202102182</a>.</p> <p><a href="#">HUANG Fei</a>, <a href="#">NING Jiajia</a>, #<a href="#">DUAN Zonghui</a>, <a href="#">SERGEEV Aleksandr</a>, #<a href="#">PORTNIAGIN Arsenii</a>, <a href="#">KERSHAW Stephen Vincent</a>, <a href="#">TIAN Jianjun</a>, <a href="#">ROGACH Andrey</a>, "Induction of Wurtzite to Zinc-Blende Phase Transformation in ZnSe Nanorods during Cu(I) Cation Exchange", <i>Chemistry of Materials</i>, 33(7), 23 March 2021, pp 2398–2407, doi: <a href="https://doi.org/10.1021/acs.chemmater.0c04588">https://doi.org/10.1021/acs.chemmater.0c04588</a>.</p>
<b>QI Junlei</b>	<p>#<a href="#">WU Zongxiao</a>, #<a href="#">QI Junlei</a>, #<a href="#">WANG Wenbin</a>, <a href="#">ZENG Zhiyuan</a>, <a href="#">HE Qiyuan</a>, "Emerging elemental two-dimensional materials for energy applications", <i>Journal of Materials Chemistry A</i>, 9(35), 25 June 2021, pp 18793-18817, doi: <a href="https://doi.org/10.1039/d1ta03676a">https://doi.org/10.1039/d1ta03676a</a>.</p>



## Section A: Publications of PhD Students

<b>QIN Xiaomeng</b>	# <u>QIN Xiaomeng</u> , <u>SHEK Chan Hung</u> , "Heterogeneous Structure Design to Strengthen Carbon-Containing CoCrFeNi High Entropy Alloy", <i>Acta Metallurgica Sinica (English Letters)</i> , 18 June 2021, doi: <a href="https://doi.org/10.1007/s40195-021-01268-4">https://doi.org/10.1007/s40195-021-01268-4</a> .
<b>QUAN Quan</b>	# <u>MENG You</u> , # <u>LAI Zhengxun</u> , # <u>LI Fangzhou</u> , # <u>WANG Wei</u> , <u>YIP Sen Po</u> , # <u>QUAN Quan</u> , # <u>BU Xiuming</u> , <u>WANG Fei</u> , <u>BAO Yan</u> , <u>HOSOMI Takuro</u> , <u>TAKAHASHI Tsunaki</u> , <u>NAGASHIMA Kazuki</u> , <u>YANAGIDA Takeshi</u> , <u>LU Jian</u> , <u>HO Johnny Chung Yin</u> , "Perovskite Core-Shell Nanowire Transistors: Interfacial Transfer Doping and Surface Passivation", <i>ACS Nano</i> , 14(10), 10 September 2020, pp 12749-12760, doi: <a href="https://doi.org/10.1021/acsnano.0c03101">https://doi.org/10.1021/acsnano.0c03101</a> . # <u>BU Xiuming</u> , <u>LIANG Xiongyi</u> , # <u>EGBO Kingsley Onyekachi</u> , # <u>LI Zebiao</u> , # <u>MENG You</u> , # <u>QUAN Quan</u> , <u>LI Yangyang</u> , <u>YU Kin Man</u> , <u>WU Lawrence</u> , <u>HO Johnny Chung Yin</u> , "Morphology and strain control of hierarchical cobalt oxide nanowire electrocatalysts via solvent effect", <i>Nano Research</i> , 13(11), 15 August 2020, pp 3130–3136, doi: <a href="https://doi.org/10.1007/s12274-020-2983-6">https://doi.org/10.1007/s12274-020-2983-6</a> . # <u>LAI Zhengxun</u> , <u>DONG Ruoting</u> , # <u>ZHU Qi</u> , # <u>MENG You</u> , <u>WANG Fei</u> , # <u>LI Fangzhou</u> , # <u>BU Xiuming</u> , # <u>KANG Xiaolin</u> , # <u>ZHANG Heng</u> , # <u>QUAN Quan</u> , # <u>WANG Wei</u> , <u>WANG Feng</u> , <u>YIP Sen Po</u> , <u>HO Johnny Chung Yin</u> , "Bication-Mediated Quasi-2D Halide Perovskites for High-Performance Flexible Photodetectors: From Ruddlesden-Popper Type to Dion-Jacobson Type", <i>ACS applied materials &amp; interfaces</i> , 12(35), 07 August 2020, pp 39567-39577, doi: <a href="https://doi.org/10.1021/acscami.0c09651">https://doi.org/10.1021/acscami.0c09651</a> . # <u>BU Xiuming</u> , <u>WEI Renjie</u> , <u>CAI Zhengyang</u> , # <u>QUAN Quan</u> , # <u>ZHANG Heng</u> , # <u>WANG Wei</u> , # <u>LI Fangzhou</u> , <u>YIP Sen Po</u> , # <u>MENG You</u> , <u>CHAN Kwok Sum</u> , <u>WANG Xianying</u> , <u>HO Johnny Chung Yin</u> , "More than physical support: The effect of nickel foam corrosion on electrocatalytic performance", <i>Applied Surface Science</i> , 538, 28 September 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.147977">https://doi.org/10.1016/j.apsusc.2020.147977</a> . # <u>QUAN Quan</u> , # <u>LAI Zhengxun</u> , <u>BAO Yan</u> , # <u>BU Xiuming</u> , # <u>MENG You</u> , # <u>WANG Wei</u> , <u>TAKAHASHI Tsunaki</u> , <u>HOSOMI Takuro</u> , <u>NAGASHIMA Kazuki</u> , <u>YANAGIDA Takeshi</u> , <u>LIU Chuntai</u> , <u>LU Jian</u> , <u>HO Johnny Chung Yin</u> , "Self-Anti-Stacking 2D Metal Phosphide Loop-Sheet Heterostructures by Edge-Topological Regulation for Highly Efficient Water Oxidation", <i>Small</i> , 17(7), 22 January 2021, doi: <a href="https://doi.org/10.1002/sml.202006860">https://doi.org/10.1002/sml.202006860</a> .
<b>REN Biyun</b>	# <u>REN Biyun</u> , <u>CHEN Bing</u> , # <u>ZHAO Jianxiong</u> , # <u>GUO Yang</u> , # <u>ZHANG Xin</u> , <u>CHEN Xian</u> , <u>DU Yangyang</u> , # <u>DENG Zhiqin</u> , <u>ZHU Guangyu</u> , <u>WANG Feng</u> , "Synthesis of Core-Shell ScF <sub>3</sub> Nanoparticles for Thermal Enhancement of Upconversion", <i>Chemistry of Materials</i> , 33(1), 15 December 2020, pp 158–163, doi: <a href="https://doi.org/10.1021/acs.chemmater.0c03124">https://doi.org/10.1021/acs.chemmater.0c03124</a> .
<b>SARANGI Venkateshwarlu</b>	# <u>SARANGI Venkateshwarlu</u> , <u>VENKATARAMAN Lalitha K.</u> , <u>SEGOUIN Valentin</u> , <u>MARLTON Frederick P.</u> , <u>HIN Ho Chin</u> , <u>CHERNYSHOV Dmitry</u> , <u>REN Yang</u> , <u>JØRGENSEN Mads R. V.</u> , <u>NAYAK Sanjib</u> , <u>RÖDEL Jürgen</u> , <u>DANIEL Laurent</u> , <u>PRAMANICK Abhijit</u> , "Large electromechanical strain and unconventional domain switching near phase convergence in a Pb-free ferroelectric", <i>COMMUNICATIONS PHYSICS</i> , 3, 30 October 2020, doi: <a href="https://doi.org/10.1038/s42005-020-00459-2">https://doi.org/10.1038/s42005-020-00459-2</a> . <u>PRAMANICK Abhijit</u> , <u>NAYAK Sanjib</u> , <u>EGAMI Takeshi</u> , <u>DMOWSKI W</u> , # <u>BUDISUHARTO Anthony Setiadi</u> , <u>MARLTON Fred</u> , <u>JØRGENSEN M. R V</u> , # <u>SARANGI Venkateshwarlu</u> , <u>BEYER Kevin A</u> , "Dynamical origins of weakly coupled relaxor behavior in Sn-doped (Ba, Ca)TiO <sub>3</sub> -BiScO <sub>3</sub> ", <i>Physical Review B: covering condensed matter and materials physics</i> , 103(21), 04 June 2021, doi: <a href="https://doi.org/10.1103/PhysRevB.103.214105">https://doi.org/10.1103/PhysRevB.103.214105</a> .
<b>SAW Lin Oo</b>	# <u>ILYAS Abdul-mojeed Olabisi</u> , # <u>ALAM Md Kowsar</u> , # <u>MUSAH Jamal-Deen</u> , # <u>SAW Lin Oo</u> , <u>VENKATESH Shishir</u> , <u>YEUNG Chi Chung</u> , <u>YANG M</u> , <u>VELLAISAMY A. L. Roy</u> , <u>LAU Condon</u> , "Development of a carboxyl-terminated Indium Tin Oxide electrode for improving cell adhesion and facilitating low noise, real-time impedance measurements", <i>American Journal of Physiology - Cell Physiology</i> , 320(6), 10 March 2021, pp C974-C986, doi: <a href="https://doi.org/10.1152/ajpcell.00537.2020">https://doi.org/10.1152/ajpcell.00537.2020</a> . # <u>SAW Lin Oo</u> , <u>VENKATESH Shishir</u> , # <u>KARTHIKEYAN Vaithinathan</u> , # <u>ARAVA Clementmanohar</u> , # <u>PATHIKONDA SEELESH Spoorthy</u> , <u>YU Kwan Ngok Peter</u> , <u>LAU Chi Kong Terrence</u> , <u>CHEN Xianfeng</u> , <u>VELLAISAMY Arul Lenus Roy</u> , "Highly Sensitive and Cost-Effective Portable Sensor for Early Gastric Carcinoma Diagnosis", <i>Sensors</i> , 21(8), 09 April 2021, doi: <a href="https://doi.org/10.3390/s21082639">https://doi.org/10.3390/s21082639</a> .

## Section A: Publications of PhD Students

<b>SHEN Junda</b>	<u>OU Weihui</u> , # <u>SHEN Junda</u> , # <u>LYU Fucong</u> , # <u>XIAO Xufen</u> , <u>ZHOU Binbin</u> , <u>LU Jian</u> , <u>LI Yangyang</u> , "Facile Surfactant-, Reductant-, and Ag Salt-free Growth of Ag Nanoparticles with Controllable Size from 35 to 660 nm on Bulk Ag Materials", <i>Chemistry—An Asian Journal</i> , 07 June 2021, doi: <a href="https://doi.org/10.1002/asia.202100384">https://doi.org/10.1002/asia.202100384</a> .
	<u>ZHOU Binbin</u> , <u>OU Weihui</u> , # <u>ZHAO Chenghao</u> , # <u>SHEN Junda</u> , <u>ZHANG Guobin</u> , <u>TANG Xianghu</u> , # <u>DENG Zhiqin</u> , <u>ZHU Guangyu</u> , <u>LI Yangyang</u> , <u>LU Jian</u> , "Insertable and reusable SERS sensors for rapid on-site quality control of fish and meat products", <i>Chemical Engineering Journal</i> , 426, 10 June 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.130733">https://doi.org/10.1016/j.cej.2021.130733</a> .
	<u>OU Weihui</u> , <u>ZHOU Binbin</u> , # <u>SHEN Junda</u> , # <u>ZHAO Chenghao</u> , <u>LI Yangyang</u> , <u>LU Jian</u> , "Plasmonic metal nanostructures: concepts, challenges and opportunities in photo-mediated chemical transformations", <i>iScience</i> , 24(2), 06 January 2021, doi: <a href="https://doi.org/10.1016/j.isci.2020.101982">https://doi.org/10.1016/j.isci.2020.101982</a> .
<b>WANG Deng</b>	# <u>WU Xin</u> , # <u>LIU Yizhe</u> , # <u>QI Feng</u> , <u>LIN Francis</u> , <u>FU Huiting</u> , <u>JIANG Kui</u> , # <u>WU Shengfan</u> , # <u>BI Leyu</u> , # <u>WANG Deng</u> , <u>XU Fang</u> , <u>JEN Alex</u> , <u>ZHU Zonglong</u> , "Improved stability and efficiency of perovskite/organic tandem solar cells with an all-inorganic perovskite layer", <i>Journal of Materials Chemistry A</i> , 18 March 2021, doi: <a href="https://doi.org/10.1039/d0ta12286f">https://doi.org/10.1039/d0ta12286f</a> .
<b>WANG Donghong</b>	# <u>LI Xinliang</u> , <u>LI Mian</u> , # <u>YANG Qi</u> , # <u>WANG Donghong</u> , # <u>MA Longtao</u> , # <u>LIANG Guojin</u> , # <u>HUANG Zhaodong</u> , <u>DONG Binbin</u> , <u>HUANG Qing</u> , <u>ZHI Chunyi</u> , "Vertically Aligned Sn <sup>4+</sup> Preintercalated Ti <sub>2</sub> CT <sub>x</sub> MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan", <i>Advanced Energy Materials</i> , 10(35), 05 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001394">https://doi.org/10.1002/aenm.202001394</a> .
	# <u>CHEN Ze</u> , # <u>YANG Qi</u> , # <u>MO Funian</u> , # <u>LI Na</u> , # <u>LIANG Guojin</u> , # <u>LI Xinliang</u> , # <u>HUANG Zhaodong</u> , # <u>WANG Donghong</u> , <u>HUANG Weichun</u> , <u>FAN Jun</u> , <u>ZHI Chunyi</u> , "Aqueous Zinc–Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity", <i>Advanced Materials</i> , 32(42), 13 September 2020, doi: <a href="https://doi.org/10.1002/adma.202001469">https://doi.org/10.1002/adma.202001469</a> .
	# <u>CHEN Ze</u> , # <u>MO Funian</u> , # <u>WANG Tairan</u> , # <u>YANG Qi</u> , # <u>HUANG Zhaodong</u> , # <u>WANG Donghong</u> , # <u>LIANG Guojin</u> , # <u>CHEN Ao</u> , # <u>LI Qing</u> , # <u>GUO Ying</u> , # <u>LI Xinliang</u> , <u>FAN Jun</u> , <u>ZHI Chunyi</u> , "Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i> , 14(4), 02 March 2021, pp 2441-2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a> .
	# <u>LI Xinliang</u> , <u>LI Mian</u> , # <u>YANG Qi</u> , # <u>LIANG Guojin</u> , # <u>HUANG Zhaodong</u> , # <u>MA Longtao</u> , # <u>WANG Donghong</u> , # <u>MO Funian</u> , <u>DONG Binbin</u> , <u>HUANG Qing</u> , <u>ZHI Chunyi</u> , "In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery", <i>Advanced Energy Materials</i> , 10(36), 09 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001791">https://doi.org/10.1002/aenm.202001791</a> .
	# <u>YANG Qi</u> , # <u>LI Qing</u> , <u>LIU Zhuoxin</u> , # <u>WANG Donghong</u> , # <u>GUO Ying</u> , # <u>LI Xinliang</u> , <u>TANG Yongchao</u> , <u>LI Hongfei</u> , <u>DONG Binbin</u> , <u>ZHI Chunyi</u> , "Dendrites in Zn-Based Batteries", <i>Advanced Materials</i> , 32(48), 26 October 2020, doi: <a href="https://doi.org/10.1002/adma.202001854">https://doi.org/10.1002/adma.202001854</a> .
	# <u>WANG Donghong</u> , <u>LV Haiming</u> , <u>HUSSAIN Tanveer</u> , # <u>YANG Qi</u> , # <u>LIANG Guojin</u> , # <u>ZHAO Yuwei</u> , # <u>MA Longtao</u> , # <u>LI Qing</u> , <u>LI Hongfei</u> , <u>DONG Binbin</u> , <u>KAEMMARAYA Thanayut</u> , <u>ZHI Chunyi</u> , "A manganese hexacyanoferrate framework with enlarged ion tunnels and two-species redox reaction for aqueous Al-ion batteries", <i>Nano Energy</i> , 84, 03 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.105945">https://doi.org/10.1016/j.nanoen.2021.105945</a> .
	# <u>LI Qing</u> , # <u>WANG Yanbo</u> , # <u>MO Funian</u> , # <u>WANG Donghong</u> , # <u>LIANG Guojin</u> , # <u>ZHAO Yuwei</u> , # <u>YANG Qi</u> , # <u>HUANG Zhaodong</u> , <u>ZHI Chunyi</u> , "Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure", <i>Advanced Energy Materials</i> , 11(14), 19 February 2021, doi: <a href="https://doi.org/10.1002/aenm.202003931">https://doi.org/10.1002/aenm.202003931</a> .
	# <u>MO Funian</u> , # <u>LI Qing</u> , # <u>LIANG Guojin</u> , # <u>ZHAO Yuwei</u> , # <u>WANG Donghong</u> , <u>HUANG Yan</u> , <u>WEI Jun</u> , <u>ZHI Chunyi</u> , "A Self-Healing Crease-Free Supramolecular All-Polymer Supercapacitor", <i>Advanced Science</i> , 8(12), 01 May 2021, doi: <a href="https://doi.org/10.1002/advs.202100072">https://doi.org/10.1002/advs.202100072</a> .
	# <u>ZHAO Yuwei</u> , # <u>CHEN Ze</u> , # <u>MO Funian</u> , # <u>WANG Donghong</u> , # <u>GUO Ying</u> , <u>LIU Zhuoxin</u> , # <u>LI Xinliang</u> , # <u>LI Qing</u> , # <u>LIANG Guojin</u> , <u>ZHI Chunyi</u> , "Aqueous Rechargeable Metal-Ion Batteries Working at Subzero Temperatures", <i>Advanced Science</i> , 8(1), 23 November 2020, doi: <a href="https://doi.org/10.1002/advs.202002590">https://doi.org/10.1002/advs.202002590</a> .

## Section A: Publications of PhD Students

	<p>#GUO Xun, #YANG Shuo, #WANG Donghong, #CHEN Ao, #WANG Yanbo, #LI Pei, #LIANG Guojin, ZHI Chunyi, "The energy storage mechanisms of MnO<sub>2</sub> in batteries", <i>Current Opinion in Electrochemistry</i>, 30, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.coelec.2021.100769">https://doi.org/10.1016/j.coelec.2021.100769</a>.</p> <p>#CHEN Ze, #LI Xinliang, #WANG Donghong, #YANG Qi, #MA Longtao, #HUANG Zhaodong, #LIANG Guojin, #CHEN Ao, #GUO Ying, DONG Binbin, HUANG Xingyi, YANG Cheng, ZHI Chunyi, "Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures", <i>Energy &amp; Environmental Science</i>, 14(6), 21 April 2021, pp 3492-3501, doi: <a href="https://doi.org/10.1039/d1ee00409c">https://doi.org/10.1039/d1ee00409c</a>.</p> <p>#HUANG Zhaodong, #WANG Tairan, SONG Hao, #LI Xinliang, #LIANG Guojin, #WANG Donghong, #YANG Qi, #CHEN Ze, #MA Longtao, LIU Zhuoxin, #MA Longtao, FAN Jun, ZHI Chunyi, "Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors", <i>Angewandte Chemie - International Edition</i>, 23 September 2020, doi: <a href="https://doi.org/10.1002/anie.202012202">https://doi.org/10.1002/anie.202012202</a>.</p> <p>#WANG Donghong, SUN Jinfeng, XUE Qi, #LI Qing, #GUO Ying, #ZHAO Yuwei, #CHEN Ze, #HUANG Zhaodong, #YANG Qi, #LIANG Guojin, DONG Binbin, ZHI Chunyi, "A universal method towards conductive textile for flexible batteries with superior softness", <i>Energy Storage Materials</i>, 36, 06 January 2021, pp 272-278, doi: <a href="https://doi.org/10.1016/j.ensm.2021.01.001">https://doi.org/10.1016/j.ensm.2021.01.001</a>.</p>
<b>WANG Maohuai</b>	<p>LIU Xuefeng, #WANG Maohuai, ZHOU Sainan, WANG Jiahui, XIN Huili, WEI Shuxian, LIU Siyuan, WANG Zhaojie, LU Xiaoqing, "Tracking CO<sub>2</sub> capture and separation over N<sub>2</sub> in a flexible metal-organic framework: insights from GCMC and DFT simulations", <i>Journal of Materials Science</i>, 56(17), 08 March 2021, pp 10414-10423, doi: <a href="https://doi.org/10.1007/s10853-021-05970-7">https://doi.org/10.1007/s10853-021-05970-7</a>.</p> <p>#WANG Maohuai, ZHAI Wanru, ZHOU Sainan, LU Xiaoqing, WU Lawrence, "Strain-controlled DHP-graphene for ultrahigh-performance hydrogen purification", <i>Applied Surface Science</i>, 553, 19 March 2021, doi: <a href="https://doi.org/10.1016/j.apsusc.2021.149575">https://doi.org/10.1016/j.apsusc.2021.149575</a>.</p>
<b>WANG Shixun</b>	<p>#ZHANG Xin, #ZHU Qi, CHEN Bing, #WANG Shixun, ROGACH Andrey, WANG Feng, "Sensitizing Full-Spectrum Lanthanide Luminescence within a Semiconductor CaZnOS Host", <i>Advanced Photonics Research</i>, 2(3), 31 October 2020, doi: <a href="https://doi.org/10.1002/adpr.202000089">https://doi.org/10.1002/adpr.202000089</a>.</p> <p>#WANG Shixun, POPOVIC Jasminka, BURAZER Sanja, #PORTNIAGIN Arsenij, LIU Fangzhou, LOW Kam-Hung, #DUAN Zonghui, #LI Yanxiu, XIONG Yuan, ZHU Yuanming, KERSHAW Stephen Vincent, DJURISIC Aleksandra B., ROGACH Andrey, "Strongly Luminescent Dion-Jacobson Tin Bromide Perovskite Microcrystals Induced by Molecular Proton Donors Chloroform and Dichloromethane", <i>Advanced Functional Materials</i>, 29 April 2021, doi: <a href="https://doi.org/10.1002/adfm.202102182">https://doi.org/10.1002/adfm.202102182</a>.</p>
<b>WANG Shuyun</b>	<p>#WANG Shuyun, #CHEN Shengmei, #MA Longtao, ZAPIEN Juan Antonio, "Recent progress in cobalt-based carbon materials as oxygen electrocatalysts for zinc-air battery applications", <i>Materials Today Energy</i>, 20, 29 January 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100659">https://doi.org/10.1016/j.mtener.2021.100659</a>.</p>
<b>WANG Tairan</b>	<p>#CHEN Ze, #MO Funian, #WANG Tairan, #YANG Qi, #HUANG Zhaodong, #WANG Donghong, #LIANG Guojin, #CHEN Ao, #LI Qing, #GUO Ying, #LI Xinliang, FAN Jun, ZHI Chunyi, "Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i>, 14(4), 02 March 2021, pp 2441-2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a>.</p> <p>#HUANG Zhaodong, #HOU Yue, #WANG Tairan, #ZHAO Yuwei, #LIANG Guojin, #LI Xinliang, #GUO Ying, #YANG Qi, #CHEN Ze, #LI Qing, #MA Longtao, FAN Jun, ZHI Chunyi, "Manipulating anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i>, 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a>.</p> <p>#WANG Tairan, #LI Na, LI Yiran, KAI Ji-jung, FAN Jun, "M-Site Vacancy-Mediated Adsorption and Diffusion of Sodium on Ti<sub>2</sub>CO<sub>2</sub> MXene", <i>Journal of Physical Chemistry C</i>, 125(1), 28 December 2020, pp 82-90, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c08302">https://doi.org/10.1021/acs.jpcc.0c08302</a>.</p> <p>#HUANG Zhaodong, #WANG Tairan, SONG Hao, #LI Xinliang, #LIANG Guojin, #WANG Donghong, #YANG Qi, #CHEN Ze, #MA Longtao, LIU Zhuoxin, #MA Longtao, FAN Jun, ZHI Chunyi, "Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors", <i>Angewandte Chemie - International Edition</i>, 23 September 2020, doi: <a href="https://doi.org/10.1002/anie.202012202">https://doi.org/10.1002/anie.202012202</a>.</p>

## Section A: Publications of PhD Students

<b>WANG Wei</b>	#LAI Zhengxun, #MENG You, #ZHU Qi, WANG Fei, #BU Xiuming, #LI Fangzhou, #WANG Wei, LIU Chuntai, WANG Feng, HO Johnny Chung Yin, "High-Performance Flexible Self-Powered Photodetectors Utilizing Spontaneous Electron and Hole Separation in Quasi-2D Halide Perovskites", <i>Small</i> , 17(23), 23 April 2021, doi: <a href="https://doi.org/10.1002/sml.202100442">https://doi.org/10.1002/sml.202100442</a> .
	#ZHANG Heng, #WANG Wei, YIP Sen Po, LI Dapan, #LI Fangzhou, LAN Changyong, WANG Fei, LIU Chuntai, HO Johnny Chung Yin, "Enhanced performance of near-infrared photodetectors based on InGaAs nanowires enabled by a two-step growth method", <i>Journal of Materials Chemistry C</i> , 8(47), 22 October 2020, pp 17025-17033, doi: <a href="https://doi.org/10.1039/d0tc04330c">https://doi.org/10.1039/d0tc04330c</a> .
	#MENG You, #LAI Zhengxun, #LI Fangzhou, #WANG Wei, YIP Sen Po, #QUAN Quan, #BU Xiuming, WANG Fei, BAO Yan, HOSOMI Takuro, TAKAHASHI Tsunaki, NAGASHIMA Kazuki, YANAGIDA Takeshi, LU Jian, HO Johnny Chung Yin, "Perovskite Core-Shell Nanowire Transistors: Interfacial Transfer Doping and Surface Passivation", <i>ACS Nano</i> , 14(10), 10 September 2020, pp 12749-12760, doi: <a href="https://doi.org/10.1021/acsnano.0c03101">https://doi.org/10.1021/acsnano.0c03101</a> .
	#LAI Zhengxun, DONG Ruoting, #ZHU Qi, #MENG You, WANG Fei, #LI Fangzhou, #BU Xiuming, #KANG Xiaolin, #ZHANG Heng, #QUAN Quan, #WANG Wei, WANG Feng, YIP Sen Po, HO Johnny Chung Yin, "Bication-Mediated Quasi-2D Halide Perovskites for High-Performance Flexible Photodetectors: From Ruddlesden-Popper Type to Dion-Jacobson Type", <i>ACS applied materials &amp; interfaces</i> , 12(35), 07 August 2020, pp 39567-39577, doi: <a href="https://doi.org/10.1021/acsmi.0c09651">https://doi.org/10.1021/acsmi.0c09651</a> .
	#BU Xiuming, WEI Renjie, CAI Zhengyang, #QUAN Quan, #ZHANG Heng, #WANG Wei, #LI Fangzhou, YIP Sen Po, #MENG You, CHAN Kwok Sum, WANG Xianying, HO Johnny Chung Yin, "More than physical support: The effect of nickel foam corrosion on electrocatalytic performance", <i>Applied Surface Science</i> , 538, 28 September 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.147977">https://doi.org/10.1016/j.apsusc.2020.147977</a> .
	#KANG Xiaolin, LAN Changyong, #LI Fangzhou, #WANG Wei, YIP Sen Po, #MENG You, WANG Fei, #LAI Zhengxun, LIU Chuntai, HO Johnny Chung Yin, "Van der Waals PdSe <sub>2</sub> /WS <sub>2</sub> Heterostructures for Robust High-Performance Broadband Photodetection from Visible to Infrared Optical Communication Band", <i>Advanced Optical Materials</i> , 9(7), 20 January 2021, doi: <a href="https://doi.org/10.1002/adom.202001991">https://doi.org/10.1002/adom.202001991</a> .
	#QUAN Quan, #LAI Zhengxun, BAO Yan, #BU Xiuming, #MENG You, #WANG Wei, TAKAHASHI Tsunaki, HOSOMI Takuro, NAGASHIMA Kazuki, YANAGIDA Takeshi, LIU Chuntai, LU Jian, HO Johnny Chung Yin, "Self-Anti-Stacking 2D Metal Phosphide Loop-Sheet Heterostructures by Edge-Topological Regulation for Highly Efficient Water Oxidation", <i>Small</i> , 17(7), 22 January 2021, doi: <a href="https://doi.org/10.1002/sml.202006860">https://doi.org/10.1002/sml.202006860</a> .
<b>WANG Weijia</b>	#WANG Weijia, ZHANG Xiaolin, WU Shishi, XU Bolian, LI Shuchao, HE Lirong, LI Xiaohong, CHEN Zhaoxu, FAN Yining, VELLAISAMY A. L. Roy, "The systematical detection and structure characterization of vanadium-oxygen species in low concentration solutions by surface-enhanced Raman spectroscopy experiments and density functional theory calculations", <i>Journal of Raman Spectroscopy</i> , 14 August 2020, doi: <a href="https://doi.org/10.1002/jrs.5964">https://doi.org/10.1002/jrs.5964</a> .
	#WANG Weijia, YIU Humphrey H. P., LI Wen Jung, VELLAISAMY Arul Lenus Roy, "The Principle and Architectures of Optical Stress Sensors and the Progress on the Development of Microbend Optical Sensors", <i>Advanced Optical Materials</i> , 9(10), 09 March 2021, doi: <a href="https://doi.org/10.1002/adom.202001693">https://doi.org/10.1002/adom.202001693</a> .
	#WANG Weijia, DENG Shengcai, TONG Qing, ZHANG Xiaolin, WU Shishi, XU Bolian, HE Lirong, LI Shuchao, GONG Jingjing, FAN Yining, VELLAISAMY Arul Lenus Roy, "The Properties and SCR de-NO <sub>x</sub> Application of Supported V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> Catalysts with Different Polymerization State of VO <sub>x</sub> Species Controlled by the pH Value of Their Precursors", <i>ChemistrySelect</i> , 5(42), 13 November 2020, pp 12952-12959, doi: <a href="https://doi.org/10.1002/slct.202003766">https://doi.org/10.1002/slct.202003766</a> .
<b>WANG Wenbin</b>	#WU Zongxiao, #QI Junlei, #WANG Wenbin, ZENG Zhiyuan, HE Qiyuan, "Emerging elemental two-dimensional materials for energy applications", <i>Journal of Materials Chemistry A</i> , 9(35), 25 June 2021, pp 18793-18817, doi: <a href="https://doi.org/10.1039/d1ta03676a">https://doi.org/10.1039/d1ta03676a</a> .
<b>WANG Yanbo</b>	#LI Qing, #WANG Yanbo, #MO Funian, #WANG Donghong, #LIANG Guojin, #ZHAO Yuwei, #YANG Qi, #HUANG Zhaodong, ZHI Chunyi, "Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure", <i>Advanced Energy Materials</i> , 11(14), 19 February 2021, doi: <a href="https://doi.org/10.1002/aenm.202003931">https://doi.org/10.1002/aenm.202003931</a> .

## Section A: Publications of PhD Students

	# <u>GUO Xun</u> , # <u>YANG Shuo</u> , # <u>WANG Donghong</u> , # <u>CHEN Ao</u> , # <u>WANG Yanbo</u> , # <u>LI Pei</u> , # <u>LIANG Guojin</u> , # <u>ZHI Chunyi</u> , "The energy storage mechanisms of MnO <sub>2</sub> in batteries", <i>Current Opinion in Electrochemistry</i> , 30, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.coelec.2021.100769">https://doi.org/10.1016/j.coelec.2021.100769</a> .
<b>WANG Yanze</b>	# <u>WANG Yanze</u> , # <u>CHEN Bing</u> , # <u>WANG Feng</u> , "Overcoming thermal quenching in upconversion nanoparticles", <i>Nanoscale</i> , 13(6), 15 January 2021, pp 3454-3462, doi: <a href="https://doi.org/10.1039/d0nr08603g">https://doi.org/10.1039/d0nr08603g</a> .
<b>WANG Ying</b>	# <u>CHEN Tianding</u> , # <u>YAN Wenhao</u> , # <u>WANG Ying</u> , # <u>LI Jinli</u> , # <u>HU Haibo</u> , # <u>HO Derek</u> , "SnS <sub>2</sub> /MXene derived TiO <sub>2</sub> hybrid for ultra-fast room temperature NO <sub>2</sub> gas sensing", <i>Journal of Materials Chemistry C</i> , 10 May 2021, doi: <a href="https://doi.org/10.1039/d1tc00197c">https://doi.org/10.1039/d1tc00197c</a> .
<b>WU Zongxiao</b>	# <u>WU Zongxiao</u> , # <u>QI Junlei</u> , # <u>WANG Wenbin</u> , # <u>ZENG Zhiyuan</u> , # <u>HE Qiyuan</u> , "Emerging elemental two-dimensional materials for energy applications", <i>Journal of Materials Chemistry A</i> , 9(35), 25 June 2021, pp 18793-18817, doi: <a href="https://doi.org/10.1039/d1ta03676a">https://doi.org/10.1039/d1ta03676a</a> .
<b>XIAO Fengping</b>	<u>ZHU Lei</u> , # <u>LU Huiying</u> , # <u>XIAO Fengping</u> , # <u>YAO Tianhao</u> , # <u>LIU Ting</u> , # <u>LI Fang</u> , # <u>WANG Jinkai</u> , # <u>HAN Xiaogang</u> , # <u>CHENG Yonghong</u> , # <u>WANG Hongkang</u> , "Flower-like Mn/Co Glycerolate-Derived $\alpha$ -MnS/Co <sub>9</sub> S <sub>8</sub> /Carbon Heterostructures for High-Performance Lithium-Ion Batteries", <i>ACS Applied Energy Materials</i> , 3(10), 15 October 2020, pp 10215-10223, doi: <a href="https://doi.org/10.1021/acsaem.0c02014">https://doi.org/10.1021/acsaem.0c02014</a> .
	# <u>DUAN Zonghui</u> , # <u>NING Jiajia</u> , # <u>CHEN Mengyu</u> , # <u>XIONG Yuan</u> , # <u>YANG Wenhong</u> , # <u>XIAO Fengping</u> , # <u>KERSHAW Stephen Vincent</u> , # <u>ZHAO Ni</u> , # <u>XIAO Shumin</u> , # <u>ROGACH Andrey</u> , "Broad-Band Photodetectors Based on Copper Indium Diselenide Quantum Dots in a Methylammonium Lead Iodide Perovskite Matrix", <i>ACS Applied Materials and Interfaces</i> , 12(31), 23 July 2020, pp 35201-35210, doi: <a href="https://doi.org/10.1021/acsami.0c06837">https://doi.org/10.1021/acsami.0c06837</a> .
	# <u>LI Fang</u> , # <u>XIAO Fengping</u> , # <u>YAO Tianhao</u> , # <u>ZHU Lei</u> , # <u>LIU Ting</u> , # <u>LU Huiying</u> , # <u>QIAN Ruifeng</u> , # <u>LIU Yan</u> , # <u>HAN Xiaogang</u> , # <u>WANG Hongkang</u> , "Selenizing CoMoO <sub>4</sub> nanoparticles within electrospun carbon nanofibers towards enhanced sodium storage performance", <i>Journal of Colloid and Interface Science</i> , 586, 05 November 2020, pp 663-672, doi: <a href="https://doi.org/10.1016/j.jcis.2020.10.136">https://doi.org/10.1016/j.jcis.2020.10.136</a> .
	# <u>XIAO Fengping</u> , # <u>YANG Xuming</u> , # <u>WANG Hongkang</u> , # <u>YU Yau Wai Denis</u> , # <u>ROGACH Andrey</u> , "Hierarchical CoS <sub>2</sub> /N-Doped Carbon@MoS <sub>2</sub> Nanosheets with Enhanced Sodium Storage Performance", <i>ACS Applied Materials and Interfaces</i> , 12(49), 24 November 2020, pp 54644-54652, doi: <a href="https://doi.org/10.1021/acsami.0c15793">https://doi.org/10.1021/acsami.0c15793</a> .
	# <u>XIAO Fengping</u> , # <u>WANG Hongkang</u> , # <u>YAO Tianhao</u> , # <u>ZHAO Xin</u> , # <u>YANG Xuming</u> , # <u>YU Yau Wai Denis</u> , # <u>ROGACH Andrey</u> , "MOF-Derived CoS <sub>2</sub> /N-Doped Carbon Composite to Induce Short-Chain Sulfur Molecule Generation for Enhanced Sodium-Sulfur Battery Performance", <i>ACS Applied Materials and Interfaces</i> , 13(15), 06 April 2021, pp 18010-18020, doi: <a href="https://doi.org/10.1021/acsami.1c02301">https://doi.org/10.1021/acsami.1c02301</a> .
	# <u>XIAO Fengping</u> , # <u>WANG Hongkang</u> , # <u>XU Jun</u> , # <u>YANG Wenqi</u> , # <u>YANG Xuming</u> , # <u>YU Yau Wai Denis</u> , # <u>ROGACH Andrey</u> , "Generating Short-Chain Sulfur Suitable for Efficient Sodium-Sulfur Batteries via Atomic Copper Sites on a N,O-Codoped Carbon Composite", <i>Advanced Energy Materials</i> , 11(26), 03 June 2021, doi: <a href="https://doi.org/10.1002/aenm.202100989">https://doi.org/10.1002/aenm.202100989</a> .
	# <u>OU Weihui</u> , # <u>SHEN Junda</u> , # <u>LYU Fucong</u> , # <u>XIAO Xufen</u> , # <u>ZHOU Binbin</u> , # <u>LU Jian</u> , # <u>LI Yangyang</u> , "Facile Surfactant-, Reductant-, and Ag Salt-free Growth of Ag Nanoparticles with Controllable Size from 35 to 660 nm on Bulk Ag Materials", <i>Chemistry—An Asian Journal</i> , 07 June 2021, doi: <a href="https://doi.org/10.1002/asia.202100384">https://doi.org/10.1002/asia.202100384</a> .
<b>XIAO Xufen</b>	# <u>BIAN Haidong</u> , # <u>LI Zebiao</u> , # <u>PAN Jie</u> , # <u>LYU Fucong</u> , # <u>XIAO Xufen</u> , # <u>TANG Jiaoning</u> , # <u>SCHMUKI Patrik</u> , # <u>LIU Chen</u> , # <u>LU Jian</u> , # <u>LI Yangyang</u> , "Anodic self-assembly method for synthesizing hierarchical FeS/FeO <sub>x</sub> hollow nanospheres", <i>Journal of Power Sources</i> , 484, 01 December 2020, doi: <a href="https://doi.org/10.1016/j.jpowsour.2020.229268">https://doi.org/10.1016/j.jpowsour.2020.229268</a> .
<b>XU Chen</b>	# <u>XU Chen</u> , # <u>THAKUR Abhimanyu</u> , # <u>LI Zebiao</u> , # <u>YANG Tian</u> , # <u>ZHAO Chenghao</u> , # <u>LI Yangyang</u> , # <u>LEE Youngjin</u> , # <u>WU Lawrence</u> , "Determination of glioma cells' malignancy and their response to TMZ via detecting exosomal BIGH3 by a TiO <sub>2</sub> -CTFE-AuNIs plasmonic biosensor", <i>Chemical Engineering Journal</i> , 415, 14 February 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.128948">https://doi.org/10.1016/j.cej.2021.128948</a> .
<b>XU Jiangang</b>	# <u>XU Jiangang</u> , # <u>HO Derek</u> , "Modulation of the Reaction Mechanism via S/Mo: A Rational Strategy for Large-Area MoS <sub>2</sub> Growth", <i>Chemistry of Materials</i> , 33(9), 30 April 2021, pp 3249-3257, doi: <a href="https://doi.org/10.1021/acs.chemmater.1c00174">https://doi.org/10.1021/acs.chemmater.1c00174</a> .

## Section A: Publications of PhD Students

	# <a href="#">XU Jiangang</a> , <a href="#">SROLOVITZ David Joseph</a> , <a href="#">HO Derek</a> , "The Adatom Concentration Profile: A Paradigm for Understanding Two-Dimensional MoS <sub>2</sub> Morphological Evolution in Chemical Vapor Deposition Growth", <i>ACS Nano</i> , 15(4), 22 March 2021, pp 6839–6848, doi: <a href="https://doi.org/10.1021/acsnano.0c10474">https://doi.org/10.1021/acsnano.0c10474</a> .
<b>YAN Jie</b>	# <a href="#">ZHU Zelin</a> , <a href="#">CHEN Wencheng</a> , <a href="#">NI Shao-Fei</a> , # <a href="#">YAN Jie</a> , <a href="#">WANG Sheng Fu</a> , <a href="#">FU Li-Wen</a> , <a href="#">TSAI Han-Yan</a> , <a href="#">CHI Yun</a> , <a href="#">LEE Chun Sing</a> , "Constructing deep-blue bis-tridentate Ir(III) phosphors with fluorene-based dianionic chelates", <i>Journal of Materials Chemistry C</i> , 9(4), 09 December 2020, pp 1318-1325, doi: <a href="https://doi.org/10.1039/d0tc05218c">https://doi.org/10.1039/d0tc05218c</a> .
<b>YAN Wenhao</b>	# <a href="#">CHEN Tianding</a> , # <a href="#">YAN Wenhao</a> , # <a href="#">WANG Ying</a> , <a href="#">LI Jinli</a> , <a href="#">HU Haibo</a> , <a href="#">HO Derek</a> , "SnS <sub>2</sub> /MXene derived TiO <sub>2</sub> hybrid for ultra-fast room temperature NO <sub>2</sub> gas sensing", <i>Journal of Materials Chemistry C</i> , 10 May 2021, doi: <a href="https://doi.org/10.1039/d1tc00197c">https://doi.org/10.1039/d1tc00197c</a> .
<b>YAN Wenrong</b>	<a href="#">LI Jinhui</a> , # <a href="#">YAN Wenrong</a> , <a href="#">ZHANG Guoping</a> , <a href="#">SUN Rong</a> , <a href="#">HO Derek</a> , "Natively stretchable micro-supercapacitors based on a PEDOT:PSS hydrogel", <i>Journal of Materials Chemistry C</i> , 9(5), 16 December 2020, pp 1685-1692, doi: <a href="https://doi.org/10.1039/d0tc05270a">https://doi.org/10.1039/d0tc05270a</a> .
	<a href="#">PENG Rong-Chao</a> , <a href="#">LI Yi</a> , # <a href="#">YAN Wenrong</a> , "A correlation study of beat-to-beat R-R intervals and pulse arrival time under natural state and cold stimulation", <i>Scientific Reports</i> , 11, 27 May 2021, doi: <a href="https://doi.org/10.1038/s41598-021-90056-2">https://doi.org/10.1038/s41598-021-90056-2</a> .
<b>YANG Qi</b>	# <a href="#">LI Xinliang</a> , <a href="#">LI Mian</a> , # <a href="#">YANG Qi</a> , # <a href="#">WANG Donghong</a> , # <a href="#">MA Longtao</a> , # <a href="#">LIANG Guojin</a> , # <a href="#">HUANG Zhaodong</a> , <a href="#">DONG Binbin</a> , <a href="#">HUANG Qing</a> , <a href="#">ZHI Chunyi</a> , "Vertically Aligned Sn <sup>4+</sup> Preintercalated Ti <sub>2</sub> CT <sub>x</sub> MXene Sphere with Enhanced Zn Ion Transportation and Superior Cycle Lifespan", <i>Advanced Energy Materials</i> , 10(35), 05 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001394">https://doi.org/10.1002/aenm.202001394</a> .
	# <a href="#">GUO Ying</a> , # <a href="#">ZHANG Rong</a> , # <a href="#">ZHANG Shaoce</a> , # <a href="#">ZHAO Yuwei</a> , # <a href="#">YANG Qi</a> , # <a href="#">HUANG Zhaodong</a> , <a href="#">DONG Binbin</a> , <a href="#">ZHI Chunyi</a> , "Pd doping-weakened intermediate adsorption to promote electrocatalytic nitrate reduction on TiO <sub>2</sub> nanoarrays for ammonia production and energy supply with zinc-nitrate batteries", <i>Energy &amp; Environmental Science</i> , 14(7), 14 June 2021, pp 3938-3944, doi: <a href="https://doi.org/10.1039/d1ee00806d">https://doi.org/10.1039/d1ee00806d</a> .
	# <a href="#">YANG Qi</a> , # <a href="#">GUO Ying</a> , <a href="#">GU Jinxing</a> , # <a href="#">LI Na</a> , <a href="#">WANG Changda</a> , <a href="#">LIU Zhuoxin</a> , # <a href="#">LI Xinliang</a> , # <a href="#">HUANG Zhaodong</a> , <a href="#">WEI Shiqiang</a> , <a href="#">XU Suying</a> , <a href="#">SONG Li</a> , <a href="#">FAN Jun</a> , <a href="#">CHEN Zhongfang</a> , <a href="#">QIU Jieshan</a> , <a href="#">ZHI Chunyi</a> , "Scalable synthesis of 2D hydrogen-substituted graphdiyne on Zn substrate for high-yield N <sub>2</sub> fixation", <i>Nano Energy</i> , 78, 20 August 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105283">https://doi.org/10.1016/j.nanoen.2020.105283</a> .
	# <a href="#">CHEN Ze</a> , # <a href="#">YANG Qi</a> , # <a href="#">MO Funian</a> , # <a href="#">LI Na</a> , # <a href="#">LIANG Guojin</a> , # <a href="#">LI Xinliang</a> , # <a href="#">HUANG Zhaodong</a> , # <a href="#">WANG Donghong</a> , <a href="#">HUANG Weichun</a> , <a href="#">FAN Jun</a> , <a href="#">ZHI Chunyi</a> , "Aqueous Zinc–Tellurium Batteries with Ultraflat Discharge Plateau and High Volumetric Capacity", <i>Advanced Materials</i> , 32(42), 13 September 2020, doi: <a href="https://doi.org/10.1002/adma.202001469">https://doi.org/10.1002/adma.202001469</a> .
	# <a href="#">LI Xinliang</a> , <a href="#">LI Mian</a> , # <a href="#">HUANG Zhaodong</a> , # <a href="#">LIANG Guojin</a> , # <a href="#">CHEN Ze</a> , # <a href="#">YANG Qi</a> , <a href="#">HUANG Qing</a> , <a href="#">ZHI Chunyi</a> , "Activating the I <sup>0</sup> /I <sup>+</sup> redox couple in an aqueous I <sub>2</sub> -Zn battery to achieve a high voltage plateau", <i>Energy and Environmental Science</i> , 14(1), 08 December 2020, pp 407-413, doi: <a href="https://doi.org/10.1039/d0ee03086d">https://doi.org/10.1039/d0ee03086d</a> .
	# <a href="#">CHEN Ze</a> , # <a href="#">MO Funian</a> , # <a href="#">WANG Tairan</a> , # <a href="#">YANG Qi</a> , # <a href="#">HUANG Zhaodong</a> , # <a href="#">WANG Donghong</a> , # <a href="#">LIANG Guojin</a> , # <a href="#">CHEN Ao</a> , # <a href="#">LI Qing</a> , # <a href="#">GUO Ying</a> , # <a href="#">LI Xinliang</a> , <a href="#">FAN Jun</a> , <a href="#">ZHI Chunyi</a> , "Zinc/selenium conversion battery: a system highly compatible with both organic and aqueous electrolytes", <i>Energy and Environmental Science</i> , 14(4), 02 March 2021, pp 2441-2450, doi: <a href="https://doi.org/10.1039/d0ee02999h">https://doi.org/10.1039/d0ee02999h</a> .
	# <a href="#">LI Xinliang</a> , <a href="#">LI Mian</a> , # <a href="#">YANG Qi</a> , # <a href="#">LIANG Guojin</a> , # <a href="#">HUANG Zhaodong</a> , # <a href="#">MA Longtao</a> , # <a href="#">WANG Donghong</a> , # <a href="#">MO Funian</a> , <a href="#">DONG Binbin</a> , <a href="#">HUANG Qing</a> , <a href="#">ZHI Chunyi</a> , "In Situ Electrochemical Synthesis of MXenes without Acid/Alkali Usage in/for an Aqueous Zinc Ion Battery", <i>Advanced Energy Materials</i> , 10(36), 09 August 2020, doi: <a href="https://doi.org/10.1002/aenm.202001791">https://doi.org/10.1002/aenm.202001791</a> .
	# <a href="#">YANG Qi</a> , # <a href="#">LI Qing</a> , <a href="#">LIU Zhuoxin</a> , # <a href="#">WANG Donghong</a> , # <a href="#">GUO Ying</a> , # <a href="#">LI Xinliang</a> , <a href="#">TANG Yongchao</a> , <a href="#">LI Hongfei</a> , <a href="#">DONG Binbin</a> , <a href="#">ZHI Chunyi</a> , "Dendrites in Zn-Based Batteries", <i>Advanced Materials</i> , 32(48), 26 October 2020, doi: <a href="https://doi.org/10.1002/adma.202001854">https://doi.org/10.1002/adma.202001854</a> .
	<a href="#">GONG Xuefei</a> , # <a href="#">YANG Qi</a> , <a href="#">ZHI Chunyi</a> , <a href="#">LEE Pooi See</a> , "Stretchable Energy Storage Devices: From Materials and Structural Design to Device Assembly", <i>Advanced Energy Materials</i> , 11(15), 21 December 2020, doi: <a href="https://doi.org/10.1002/aenm.202003308">https://doi.org/10.1002/aenm.202003308</a> .

## Section A: Publications of PhD Students

	<p>#WANG Donghong, LV Haiming, HUSSAIN Tanveer, #YANG Qi, #LIANG Guojin, #ZHAO Yuwei, #MA Longtao, #LI Qing, LI Hongfei, DONG Binbin, KAEWMARAYA Thanayut, ZHI Chunyi, "A manganese hexacyanoferrate framework with enlarged ion tunnels and two-species redox reaction for aqueous Al-ion batteries", <i>Nano Energy</i>, 84, 03 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.105945">https://doi.org/10.1016/j.nanoen.2021.105945</a>.</p>
	<p>#LI Qing, #WANG Yanbo, #MO Funian, #WANG Donghong, #LIANG Guojin, #ZHAO Yuwei, #YANG Qi, #HUANG Zhaodong, ZHI Chunyi, "Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure", <i>Advanced Energy Materials</i>, 11(14), 19 February 2021, doi: <a href="https://doi.org/10.1002/aenm.202003931">https://doi.org/10.1002/aenm.202003931</a>.</p>
	<p>#HUANG Zhaodong, #HOU Yue, #WANG Tairan, #ZHAO Yuwei, #LIANG Guojin, #LI Xinliang, #GUO Ying, #YANG Qi, #CHEN Ze, #LI Qing, #MA Longtao, FAN Jun, ZHI Chunyi, "Manipulating anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i>, 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a>.</p>
	<p>#GUO Ying, LIU Jianwen, #YANG Qi, KHEMTHONG Pongtanawat, #HUANG Zhaodong, #ZHAO Yuwei, #CHEN Ze, DONG Binbin, FU Xian-Zhu, LUO Jing-Li, ZHI Chunyi, "Regulating nitrogenous adsorption and desorption on Pd clusters by the acetylene linkages of hydrogen substituted graphdiyne for efficient electrocatalytic ammonia synthesis", <i>Nano Energy</i>, 86, 30 April 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106099">https://doi.org/10.1016/j.nanoen.2021.106099</a>.</p>
	<p>#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #LIANG Guojin, #YANG Qi, LI Mian, #ZHAO Yuwei, #MA Longtao, DONG Binbin, HUANG Qing, FAN Jun, ZHI Chunyi, "Enhanced Redox Kinetics and Duration of Aqueous I<sub>2</sub>/I<sup>-</sup> Conversion Chemistry by MXene Confinement", <i>Advanced Materials</i>, 33(8), 20 January 2021, doi: <a href="https://doi.org/10.1002/adma.202006897">https://doi.org/10.1002/adma.202006897</a>.</p>
	<p>#CHEN Ze, #LI Xinliang, #WANG Donghong, #YANG Qi, #MA Longtao, #HUANG Zhaodong, #LIANG Guojin, #CHEN Ao, #GUO Ying, DONG Binbin, HUANG Xingyi, YANG Cheng, ZHI Chunyi, "Grafted MXene/polymer electrolyte for high performance solid zinc batteries with enhanced shelf life at low/high temperatures", <i>Energy &amp; Environmental Science</i>, 14(6), 21 April 2021, pp 3492-3501, doi: <a href="https://doi.org/10.1039/d1ee00409c">https://doi.org/10.1039/d1ee00409c</a>.</p>
	<p>#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #ZHAO Yuwei, #LIANG Guojin, #YANG Qi, LI Mian, HUANG Qing, DONG Binbin, FAN Jun, ZHI Chunyi, "Confining Aqueous Zn-Br Halide Redox Chemistry by Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene", <i>ACS Nano</i>, 15(1), 13 January 2021, pp 1718-1726, doi: <a href="https://doi.org/10.1021/acsnano.0c09380">https://doi.org/10.1021/acsnano.0c09380</a>.</p>
	<p>#CHEN Ao, #GUO Xun, #YANG Shuo, #LIANG Guojin, #LI Qing, #CHEN Ze, #HUANG Zhaodong, #YANG Qi, HAN Cuiping, ZHI Chunyi, "Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities", <i>Energy &amp; Environmental Science</i>, 14(6), 01 May 2021, pp 3599-3608, doi: <a href="https://doi.org/10.1039/d1ee00480h">https://doi.org/10.1039/d1ee00480h</a>.</p>
	<p>TANG Yongchao, LI Xuejin, LV Haiming, WANG Wenlong, #YANG Qi, ZHI Chunyi, LI Hongfei, "High-Energy Aqueous Magnesium Hybrid Full Batteries Enabled by Carrier-Hosting Potential Compensation", <i>Angewandte Chemie - International Edition</i>, 60(10), 22 November 2020, pp 5443-5452, doi: <a href="https://doi.org/10.1002/anie.202013315">https://doi.org/10.1002/anie.202013315</a>.</p>
	<p>#HUANG Zhaodong, #WANG Tairan, SONG Hao, #LI Xinliang, #LIANG Guojin, #WANG Donghong, #YANG Qi, #CHEN Ze, #MA Longtao, LIU Zhuoxin, #MA Longtao, FAN Jun, ZHI Chunyi, "Effects of Anion Carriers on Capacitance and Self-Discharge Behaviors of Zinc Ion Capacitors", <i>Angewandte Chemie - International Edition</i>, 23 September 2020, doi: <a href="https://doi.org/10.1002/anie.202012202">https://doi.org/10.1002/anie.202012202</a>.</p>
	<p>#WANG Donghong, SUN Jinfeng, XUE Qi, #LI Qing, #GUO Ying, #ZHAO Yuwei, #CHEN Ze, #HUANG Zhaodong, #YANG Qi, #LIANG Guojin, DONG Binbin, ZHI Chunyi, "A universal method towards conductive textile for flexible batteries with superior softness", <i>Energy Storage Materials</i>, 36, 06 January 2021, pp 272-278, doi: <a href="https://doi.org/10.1016/j.ensm.2021.01.001">https://doi.org/10.1016/j.ensm.2021.01.001</a>.</p>
YANG Shuo	<p>LV Haiming, #YANG Shuo, #LI Chuan, HAN Cuiping, TANG Yongchao, LI Xuejin, WANG Wenlong, LI Hongfei, ZHI Chunyi, "Suppressing passivation layer of Al anode in aqueous electrolytes by complexation of H<sub>2</sub>PO<sub>4</sub><sup>-</sup> to Al<sup>3+</sup> and an electrochromic Al ion battery", <i>Energy Storage Materials</i>, 39, 04 May 2021, pp 412-418, doi: <a href="https://doi.org/10.1016/j.ensm.2021.04.044">https://doi.org/10.1016/j.ensm.2021.04.044</a>.</p>

## Section A: Publications of PhD Students

	<p>#<u>GUO Xun</u>, #<u>YANG Shuo</u>, #<u>WANG Donghong</u>, #<u>CHEN Ao</u>, #<u>WANG Yanbo</u>, #<u>LI Pei</u>, #<u>LIANG Guojin</u>, #<u>ZHI Chunyi</u>, "The energy storage mechanisms of MnO<sub>2</sub> in batteries", <i>Current Opinion in Electrochemistry</i>, 30, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.coelec.2021.100769">https://doi.org/10.1016/j.coelec.2021.100769</a>.</p> <p>#<u>CHEN Ao</u>, #<u>GUO Xun</u>, #<u>YANG Shuo</u>, #<u>LIANG Guojin</u>, #<u>LI Qing</u>, #<u>CHEN Ze</u>, #<u>HUANG Zhaodong</u>, #<u>YANG Qi</u>, #<u>HAN Cuiping</u>, #<u>ZHI Chunyi</u>, "Human joint-inspired structural design for a bendable/foldable/stretchable/twistable battery: achieving multiple deformabilities", <i>Energy &amp; Environmental Science</i>, 14(6), 01 May 2021, pp 3599–3608, doi: <a href="https://doi.org/10.1039/d1ee00480h">https://doi.org/10.1039/d1ee00480h</a>.</p>
<b>ZENG Zixin</b>	<p>#<u>MA Yuhui</u>, #<u>CHENG Yuanhang</u>, #<u>XU Xiuwen</u>, #<u>LI Menglin</u>, #<u>ZHANG Chujun</u>, #<u>CHEUNG Sin-Hang</u>, #<u>ZENG Zixin</u>, #<u>SHEN Dong</u>, #<u>XIE Yuemin</u>, #<u>CHIU Ka Lok</u>, #<u>LIN Fen</u>, #<u>SO Shu Kong</u>, #<u>LEE Chun Sing</u>, #<u>TSANG Sai Wing</u>, "Suppressing Ion Migration across Perovskite Grain Boundaries by Polymer Additives", <i>Advanced Functional Materials</i>, 31(3), 02 October 2020, doi: <a href="https://doi.org/10.1002/adfm.202006802">https://doi.org/10.1002/adfm.202006802</a>.</p> <p>#<u>CHENG Yuanhang</u>, #<u>LIU Xixia</u>, #<u>GUAN Zhiqiang</u>, #<u>LI Menglin</u>, #<u>ZENG Zixin</u>, #<u>LI Ho Wa</u>, #<u>TSANG Sai Wing</u>, #<u>ABERLE Armin Gerhard</u>, #<u>LIN Fen</u>, "Revealing the Degradation and Self-Healing Mechanisms in Perovskite Solar Cells by Sub-Bandgap External Quantum Efficiency Spectroscopy", <i>Advanced Materials</i>, 33(3), 09 December 2020, pp 2006170, doi: <a href="https://doi.org/10.1002/adma.202006170">https://doi.org/10.1002/adma.202006170</a>.</p>
<b>ZHANG Heng</b>	<p>#<u>LI Fangzhou</u>, #<u>MENG You</u>, #<u>KANG Xiaolin</u>, #<u>YIP Sen Po</u>, #<u>BU Xiuming</u>, #<u>ZHANG Heng</u>, #<u>HO Johnny Chung Yin</u>, "High-mobility In and Ga co-doped ZnO nanowires for high-performance transistors and ultraviolet photodetectors", <i>Nanoscale</i>, 12(30), 07 July 2020, pp 16153-16161, doi: <a href="https://doi.org/10.1039/d0nr03740k">https://doi.org/10.1039/d0nr03740k</a>.</p> <p>#<u>ZHANG Heng</u>, #<u>WANG Wei</u>, #<u>YIP Sen Po</u>, #<u>LI Dapan</u>, #<u>LI Fangzhou</u>, #<u>LAN Changyong</u>, #<u>WANG Fei</u>, #<u>LIU Chuntai</u>, #<u>HO Johnny Chung Yin</u>, "Enhanced performance of near-infrared photodetectors based on InGaAs nanowires enabled by a two-step growth method", <i>Journal of Materials Chemistry C</i>, 8(47), 22 October 2020, pp 17025-17033, doi: <a href="https://doi.org/10.1039/d0tc04330c">https://doi.org/10.1039/d0tc04330c</a>.</p> <p>#<u>LI Dapan</u>, #<u>YIP Sen Po</u>, #<u>LI Fangzhou</u>, #<u>ZHANG Heng</u>, #<u>MENG You</u>, #<u>BU Xiuming</u>, #<u>KANG Xiaolin</u>, #<u>LAN Changyong</u>, #<u>LIU Chuntai</u>, #<u>HO Johnny Chung Yin</u>, "Flexible Near-Infrared InGaSb Nanowire Array Detectors with Ultrafast Photoconductive Response Below 20 μs", <i>Advanced Optical Materials</i>, 8(22), 22 September 2020, doi: <a href="https://doi.org/10.1002/adom.202001201">https://doi.org/10.1002/adom.202001201</a>.</p> <p>#<u>LAI Zhengxun</u>, #<u>DONG Ruoting</u>, #<u>ZHU Qi</u>, #<u>MENG You</u>, #<u>WANG Fei</u>, #<u>LI Fangzhou</u>, #<u>BU Xiuming</u>, #<u>KANG Xiaolin</u>, #<u>ZHANG Heng</u>, #<u>QUAN Quan</u>, #<u>WANG Wei</u>, #<u>WANG Feng</u>, #<u>YIP Sen Po</u>, #<u>HO Johnny Chung Yin</u>, "Bication-Mediated Quasi-2D Halide Perovskites for High-Performance Flexible Photodetectors: From Ruddlesden-Popper Type to Dion-Jacobson Type", <i>ACS applied materials &amp; interfaces</i>, 12(35), 07 August 2020, pp 39567-39577, doi: <a href="https://doi.org/10.1021/acsami.0c09651">https://doi.org/10.1021/acsami.0c09651</a>.</p> <p>#<u>BU Xiuming</u>, #<u>WEI Renjie</u>, #<u>CAI Zhengyang</u>, #<u>QUAN Quan</u>, #<u>ZHANG Heng</u>, #<u>WANG Wei</u>, #<u>LI Fangzhou</u>, #<u>YIP Sen Po</u>, #<u>MENG You</u>, #<u>CHAN Kwok Sum</u>, #<u>WANG Xianying</u>, #<u>HO Johnny Chung Yin</u>, "More than physical support: The effect of nickel foam corrosion on electrocatalytic performance", <i>Applied Surface Science</i>, 538, 28 September 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.147977">https://doi.org/10.1016/j.apsusc.2020.147977</a>.</p>
<b>ZHANG Qingyong</b>	<p>#<u>ZHAO Jiangqi</u>, #<u>XU Zhengjie</u>, #<u>ZHOU Zhan</u>, #<u>XI Shibo</u>, #<u>XIA Yunpeng</u>, #<u>ZHANG Qingyong</u>, #<u>HUANG Lanqin</u>, #<u>MEI Liang</u>, #<u>JIANG Yue</u>, #<u>GAO Jinwei</u>, #<u>ZENG Zhiyuan</u>, #<u>TAN Chaoliang</u>, "A Safe Flexible Self-Powered Wristband System by Integrating Defective MnO<sub>2-x</sub> Nanosheet-Based Zinc-Ion Batteries with Perovskite Solar Cells", <i>ACS Nano</i>, 15(6), 26 May 2021, pp 10597-10608, doi: <a href="https://doi.org/10.1021/acsnano.1c03341">https://doi.org/10.1021/acsnano.1c03341</a>.</p> <p>#<u>MEI Liang</u>, #<u>GAO Xiaoping</u>, #<u>GAO Zhan</u>, #<u>ZHANG Qingyong</u>, #<u>YU Xinge</u>, #<u>ROGACH Andrey</u>, #<u>ZENG Zhiyuan</u>, "Size-selective synthesis of platinum nanoparticles on transition-metal dichalcogenides for the hydrogen evolution reaction", <i>Chemical Communications</i>, 57(23), 05 February 2021, pp 2879-2882, doi: <a href="https://doi.org/10.1039/d0cc08091h">https://doi.org/10.1039/d0cc08091h</a>.</p>
<b>ZHANG Rong</b>	<p>#<u>GUO Ying</u>, #<u>ZHANG Rong</u>, #<u>ZHANG Shaoce</u>, #<u>ZHAO Yuwei</u>, #<u>YANG Qi</u>, #<u>HUANG Zhaodong</u>, #<u>DONG Binbin</u>, #<u>ZHI Chunyi</u>, "Pd doping-weakened intermediate adsorption to promote electrocatalytic nitrate reduction on TiO<sub>2</sub> nanoarrays for ammonia production and energy supply with zinc-nitrate batteries", <i>Energy &amp; Environmental Science</i>, 14(7), 14 June 2021, pp 3938-3944, doi: <a href="https://doi.org/10.1039/d1ee00806d">https://doi.org/10.1039/d1ee00806d</a>.</p>



## Section A: Publications of PhD Students

<b>ZHANG Shaoce</b>	#GUO Ying, #ZHANG Rong, #ZHANG Shaoce, #ZHAO Yuwei, #YANG Qi, #HUANG Zhaodong, DONG Binbin, <u>ZHI Chunyi</u> , "Pd doping-weakened intermediate adsorption to promote electrocatalytic nitrate reduction on TiO <sub>2</sub> nanoarrays for ammonia production and energy supply with zinc-nitrate batteries", <i>Energy &amp; Environmental Science</i> , 14(7), 14 June 2021, pp 3938-3944, doi: <a href="https://doi.org/10.1039/d1ee00806d">https://doi.org/10.1039/d1ee00806d</a> .
	#ZHANG Shaoce, ZHANG Bo, #CHEN Dong, GUO Zhengang, RUAN Mengnan, LIU Zhifeng, "Promising pyro-photo-electric catalysis in NaNbO <sub>3</sub> via integrating solar and cold-hot alternation energy in pyroelectric-assisted photoelectrochemical system", <i>Nano Energy</i> , 79, January 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105485">https://doi.org/10.1016/j.nanoen.2020.105485</a> .
	#ZHANG Shaoce, #CHEN Dong, LIU Zhifeng, RUAN Mengnan, GUO Zhengang, "Novel strategy for efficient water splitting through pyro-electric and pyro-photo-electric catalysis of BaTiO <sub>3</sub> by using thermal resource and solar energy", <i>Applied Catalysis B: Environmental</i> , 284, 20 November 2020, doi: <a href="https://doi.org/10.1016/j.apcatb.2020.119686">https://doi.org/10.1016/j.apcatb.2020.119686</a> .
<b>ZHANG Tianlong</b>	ZHU Jiaming, WU Hong-Hui, WU Yuan, WANG Haoliang, #ZHANG Tianlong, XIAO Hu, WANG Yunzhi, SHI San-Qiang, "Influence of Ni <sub>4</sub> Ti <sub>3</sub> precipitation on martensitic transformations in NiTi shape memory alloy: R phase transformation", <i>Acta Materialia</i> , 207, 20 January 2021, doi: <a href="https://doi.org/10.1016/j.actamat.2021.116665">https://doi.org/10.1016/j.actamat.2021.116665</a> .
<b>ZHANG Xiangkai</b>	#ZHANG Xiangkai, #CHOU Tzu Hsiu, #LI Wanpeng, WANG Yinong, HUANG Chih-Ching, CHENG L., "Microstructure and mechanical properties of (FeCoNi) <sub>100-x</sub> (NiAl) <sub>x</sub> eutectic multi-principal element alloys", <i>Journal of Alloys and Compounds</i> , 862, 11 January 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.158349">https://doi.org/10.1016/j.jallcom.2020.158349</a> .
	#LI Wanpeng, #CHOU Tzu Hsiu, YANG Tao, CHUANG Wen-Shuo, HUANG Chih-Ching, LUAN Junhua, #ZHANG Xiangkai, HUO Xiaofeng, KONG Hao Jie, HE Quanfeng, DU Xinghao, LIU Chain Tsuan, CHEN Fu-Rong, "Design of ultrastrong but ductile medium-entropy alloy with controlled precipitations and heterogeneous grain structures", <i>Applied Materials Today</i> , 23, 15 April 2021, doi: <a href="https://doi.org/10.1016/j.apmt.2021.101037">https://doi.org/10.1016/j.apmt.2021.101037</a> .
	LIN P. H., HUANG Chih-Ching, #ZHANG Xiangkai, CHOU H. S., CHUANG W. S., LIU T. Y., LIAO Y. C., JANG J. S C, "Room- and elevated-temperature nano-scaled mechanical properties of low-density Ti-based medium entropy alloy", <i>Materials Science and Engineering A</i> , 798, 20 August 2020, doi: <a href="https://doi.org/10.1016/j.msea.2020.140140">https://doi.org/10.1016/j.msea.2020.140140</a> .
<b>ZHANG Xin</b>	#ZHANG Xin, #ZHU Qi, CHEN Bing, #WANG Shixun, ROGACH Andrey, WANG Feng, "Sensitizing Full-Spectrum Lanthanide Luminescence within a Semiconductor CaZnOS Host", <i>Advanced Photonics Research</i> , 2(3), 31 October 2020, doi: <a href="https://doi.org/10.1002/adpr.202000089">https://doi.org/10.1002/adpr.202000089</a> .
	#REN Biyun, CHEN Bing, #ZHAO Jianxiong, #GUO Yang, #ZHANG Xin, CHEN Xian, DU Yangyang, #DENG Zhiqin, ZHU Guangyu, WANG Feng, "Synthesis of Core-Shell ScF <sub>3</sub> Nanoparticles for Thermal Enhancement of Upconversion", <i>Chemistry of Materials</i> , 33(1), 15 December 2020, pp 158–163, doi: <a href="https://doi.org/10.1021/acs.chemmater.0c03124">https://doi.org/10.1021/acs.chemmater.0c03124</a> .
	#ZHANG Xin, WANG Feng, "Recent advances in flexible alternating current electroluminescent devices", <i>APL Materials</i> , 9(3), 05 March 2021, doi: <a href="https://doi.org/10.1063/5.0040109">https://doi.org/10.1063/5.0040109</a> .
	CHEN Bing, #ZHANG Xin, WANG Feng, "Expanding the Toolbox of Inorganic Mechanoluminescence Materials", <i>Accounts of Materials Research</i> , 2(5), 02 April 2021, pp 364-373, doi: <a href="https://doi.org/10.1021/accountsmr.1c00041">https://doi.org/10.1021/accountsmr.1c00041</a> .
	ZHANG Yingying, #ZHANG Xin, WANG Hanjie, TIAN Yu, PAN Huizhuo, ZHANG Lili, WANG Feng, CHANG Jin, "Remote Regulation of Optogenetic Proteins by a Magneto-Luminescence Microdevice", <i>Advanced Functional Materials</i> , 31(4), 21 October 2020, doi: <a href="https://doi.org/10.1002/adfm.202006357">https://doi.org/10.1002/adfm.202006357</a> .
<b>ZHANG Yuefeng</b>	XU Qiuchen, #ZHANG Yuefeng, ZHENG Yiteng, LIU Yanxia, TIAN Zhangmin, SHI Yingying, WANG Zhen, MA Jianmin, ZHENG Wenjun, "Synergistic Effects of Tungsten Doping and Sulfur Vacancies in MoS <sub>2</sub> on Enhancement of Hydrogen Evolution", <i>Journal of Physical Chemistry C</i> , 125, 24 May 2021, pp 11369–11379, doi: <a href="https://doi.org/10.1021/acs.jpcc.1c01701">https://doi.org/10.1021/acs.jpcc.1c01701</a> .
	YANG Ruijie, CHEN Qianqian, MA Yueyong, ZHU Rongshu, FAN Yingying, HUANG Jingyuan, NIU Haonan, DONG Yang, #LI Dan, #ZHANG Yuefeng, #MEI Liang, CHEN Baiyang, ZENG Zhiyuan, "Highly efficient photocatalytic hydrogen evolution and simultaneous formaldehyde degradation over Z-scheme ZnIn <sub>2</sub> S <sub>4</sub> -NiO/BiVO <sub>4</sub> hierarchical heterojunction

## Section A: Publications of PhD Students

	under visible light irradiation", <i>Chemical Engineering Journal</i> , 423, 06 May 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.130164">https://doi.org/10.1016/j.cej.2021.130164</a> .
<b>ZHAO Chenghao</b>	ZHOU Binbin, OU Weihui, #ZHAO Chenghao, #SHEN Junda, ZHANG Guobin, TANG Xianghu, #DENG Zhiqin, ZHU Guangyu, LI Yangyang, LU Jian, "Insertable and reusable SERS sensors for rapid on-site quality control of fish and meat products", <i>Chemical Engineering Journal</i> , 426, 10 June 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.130733">https://doi.org/10.1016/j.cej.2021.130733</a> .
	#DU Peng, BAO Yan, #GUO Chen, WU Lawrence, #PAN Jie, #ZHAO Chenghao, MA Feixiang, LU Jian, LI Yangyang, "Design of Fe,N co-doped multi-walled carbon nanotubes for efficient oxygen reduction", <i>Chemical Communications</i> , 56(92), 21 October 2020, pp 14467-14470, doi: <a href="https://doi.org/10.1039/d0cc05520d">https://doi.org/10.1039/d0cc05520d</a> .
	#XU Chen, THAKUR Abhimanyu, #LI Zebiao, #YANG Tian, #ZHAO Chenghao, LI Yangyang, LEE Youngjin, WU Lawrence, "Determination of glioma cells' malignancy and their response to TMZ via detecting exosomal BIGH3 by a TiO <sub>2</sub> -CTFE-AuNIs plasmonic biosensor", <i>Chemical Engineering Journal</i> , 415, 14 February 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.128948">https://doi.org/10.1016/j.cej.2021.128948</a> .
	OU Weihui, ZHOU Binbin, #SHEN Junda, #ZHAO Chenghao, LI Yangyang, LU Jian, "Plasmonic metal nanostructures: concepts, challenges and opportunities in photo-mediated chemical transformations", <i>iScience</i> , 24(2), 06 January 2021, doi: <a href="https://doi.org/10.1016/j.isci.2020.101982">https://doi.org/10.1016/j.isci.2020.101982</a> .
<b>ZHAO Jianxiong</b>	#ZHAO Jianxiong, CHEN Bing, WANG Feng, "Shedding Light on the Role of Misfit Strain in Controlling Core-Shell Nanocrystals", <i>Advanced Materials</i> , 32(46), 13 October 2020, doi: <a href="https://doi.org/10.1002/adma.202004142">https://doi.org/10.1002/adma.202004142</a> .
	#REN Biyun, CHEN Bing, #ZHAO Jianxiong, #GUO Yang, #ZHANG Xin, CHEN Xian, DU Yangyang, #DENG Zhiqin, ZHU Guangyu, WANG Feng, "Synthesis of Core-Shell ScF <sub>3</sub> Nanoparticles for Thermal Enhancement of Upconversion", <i>Chemistry of Materials</i> , 33(1), 15 December 2020, pp 158-163, doi: <a href="https://doi.org/10.1021/acs.chemmater.0c03124">https://doi.org/10.1021/acs.chemmater.0c03124</a> .
<b>ZHAO Xin</b>	#XIAO Fengping, WANG Hongkang, YAO Tianhao, #ZHAO Xin, YANG Xuming, YU Yau Wai Denis, ROGACH Andrey, "MOF-Derived CoS <sub>2</sub> /N-Doped Carbon Composite to Induce Short-Chain Sulfur Molecule Generation for Enhanced Sodium-Sulfur Battery Performance", <i>ACS Applied Materials and Interfaces</i> , 13(15), 06 April 2021, pp 18010-18020, doi: <a href="https://doi.org/10.1021/acsami.1c02301">https://doi.org/10.1021/acsami.1c02301</a> .
<b>ZHAO Yuwei</b>	#GUO Ying, #ZHANG Rong, #ZHANG Shaoce, #ZHAO Yuwei, #YANG Qi, #HUANG Zhaodong, DONG Binbin, ZHI Chunyi, "Pd doping-weakened intermediate adsorption to promote electrocatalytic nitrate reduction on TiO <sub>2</sub> nanoarrays for ammonia production and energy supply with zinc-nitrate batteries", <i>Energy &amp; Environmental Science</i> , 14(7), 14 June 2021, pp 3938-3944, doi: <a href="https://doi.org/10.1039/d1ee00806d">https://doi.org/10.1039/d1ee00806d</a> .
	#WANG Donghong, LV Haiming, HUSSAIN Tanveer, #YANG Qi, #LIANG Guojin, #ZHAO Yuwei, #MA Longtao, #LI Qing, LI Hongfei, DONG Binbin, KAEWMARAYA Thanayut, ZHI Chunyi, "A manganese hexacyanoferrate framework with enlarged ion tunnels and two-species redox reaction for aqueous Al-ion batteries", <i>Nano Energy</i> , 84, 03 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.105945">https://doi.org/10.1016/j.nanoen.2021.105945</a> .
	#LI Qing, #WANG Yanbo, #MO Funian, #WANG Donghong, #LIANG Guojin, #ZHAO Yuwei, #YANG Qi, #HUANG Zhaodong, ZHI Chunyi, "Calendar Life of Zn Batteries Based on Zn Anode with Zn Powder/Current Collector Structure", <i>Advanced Energy Materials</i> , 11(14), 19 February 2021, doi: <a href="https://doi.org/10.1002/aenm.202003931">https://doi.org/10.1002/aenm.202003931</a> .
	#HUANG Zhaodong, #HOU Yue, #WANG Tairan, #ZHAO Yuwei, #LIANG Guojin, #LI Xinliang, #GUO Ying, #YANG Qi, #CHEN Ze, #LI Qing, #MA Longtao, FAN Jun, ZHI Chunyi, "Manipulating anion intercalation enables a high-voltage aqueous dual ion battery", <i>Nature Communications</i> , 12, 25 May 2021, doi: <a href="https://doi.org/10.1038/s41467-021-23369-5">https://doi.org/10.1038/s41467-021-23369-5</a> .
	#MO Funian, #LI Qing, #LIANG Guojin, #ZHAO Yuwei, #WANG Donghong, HUANG Yan, WEI Jun, ZHI Chunyi, "A Self-Healing Crease-Free Supramolecular All-Polymer Supercapacitor", <i>Advanced Science</i> , 8(12), 01 May 2021, doi: <a href="https://doi.org/10.1002/advs.202100072">https://doi.org/10.1002/advs.202100072</a> .
	#GUO Ying, LIU Jianwen, #YANG Qi, KHEMTHONG Pongtanawat, #HUANG Zhaodong, #ZHAO Yuwei, #CHEN Ze, DONG Binbin, FU Xian-Zhu, LUO Jing-Li, ZHI Chunyi, "Regulating nitrogenous adsorption and desorption on Pd clusters by the acetylene linkages of hydrogen

## Section A: Publications of PhD Students

	substituted graphdiyne for efficient electrocatalytic ammonia synthesis", <i>Nano Energy</i> , 86, 30 April 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106099">https://doi.org/10.1016/j.nanoen.2021.106099</a> .
	#ZHAO Yuwei, #CHEN Ze, #MO Funian, #WANG Donghong, #GUO Ying, LIU Zhuoxin, #LI Xinliang, #LI Qing, #LIANG Guojin, ZHI Chunyi, "Aqueous Rechargeable Metal-Ion Batteries Working at Subzero Temperatures", <i>Advanced Science</i> , 8(1), 23 November 2020, doi: <a href="https://doi.org/10.1002/adv.202002590">https://doi.org/10.1002/adv.202002590</a> .
	#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #LIANG Guojin, #YANG Qi, LI Mian, #ZHAO Yuwei, #MA Longtao, DONG Binbin, HUANG Qing, FAN Jun, ZHI Chunyi, "Enhanced Redox Kinetics and Duration of Aqueous I <sub>2</sub> /I <sup>-</sup> Conversion Chemistry by MXene Confinement", <i>Advanced Materials</i> , 33(8), 20 January 2021, doi: <a href="https://doi.org/10.1002/adma.202006897">https://doi.org/10.1002/adma.202006897</a> .
	#LI Xinliang, #LI Na, #HUANG Zhaodong, #CHEN Ze, #ZHAO Yuwei, #LIANG Guojin, #YANG Qi, LI Mian, HUANG Qing, DONG Binbin, FAN Jun, ZHI Chunyi, "Confining Aqueous Zn-Br Halide Redox Chemistry by Ti <sub>3</sub> C <sub>2</sub> X MXene", <i>ACS Nano</i> , 15(1), 13 January 2021, pp 1718–1726, doi: <a href="https://doi.org/10.1021/acsnano.0c09380">https://doi.org/10.1021/acsnano.0c09380</a> .
	#WANG Donghong, SUN Jinfeng, XUE Qi, #LI Qing, #GUO Ying, #ZHAO Yuwei, #CHEN Ze, #HUANG Zhaodong, #YANG Qi, #LIANG Guojin, DONG Binbin, ZHI Chunyi, "A universal method towards conductive textile for flexible batteries with superior softness", <i>Energy Storage Materials</i> , 36, 06 January 2021, pp 272-278, doi: <a href="https://doi.org/10.1016/j.ensm.2021.01.001">https://doi.org/10.1016/j.ensm.2021.01.001</a> .
ZHONG Jing	ZHANG Guobin, #DU Peng, #ZHONG Jing, BAO Yan, XU Zhengtao, LU Jian, LI Yangyang, "Supervariate ceramics: biomineralization mechanism", <i>Materials Today Advances</i> , 10, 18 May 2021, doi: <a href="https://doi.org/10.1016/j.mtadv.2021.100144">https://doi.org/10.1016/j.mtadv.2021.100144</a> .
ZHU Anquan	DONG Rui, #ZHU Anquan, ZENG Weixuan, QIAO Lulu, LU Lili, LIU Yong, TAN Pengfei, PAN Jun, "Selective phosphidation and reduction strategy to construct heterostructured porous nanorod of CoP coated on Mn <sub>3</sub> O <sub>4</sub> as a bifunctional electrocatalyst for overall water splitting", <i>Applied Surface Science</i> , 544, 28 December 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.148860">https://doi.org/10.1016/j.apsusc.2020.148860</a> .
ZHU Lingyu	#LYU Dong, CHAI Jingchao, WANG Peng, #ZHU Lingyu, LIU Chao, NIE Shuangxi, LI Bin, CUI Guanglei, "Pure cellulose lithium-ion battery separator with tunable pore size and improved working stability by cellulose nanofibrils", <i>Carbohydrate Polymers</i> , 251, 24 August 2020, doi: <a href="https://doi.org/10.1016/j.carbpol.2020.116975">https://doi.org/10.1016/j.carbpol.2020.116975</a> .
ZHU Qi	#LAI Zhengxun, #MENG You, #ZHU Qi, WANG Fei, #BU Xiuming, #LI Fangzhou, #WANG Wei, LIU Chuntai, WANG Feng, HO Johnny Chung Yin, "High-Performance Flexible Self-Powered Photodetectors Utilizing Spontaneous Electron and Hole Separation in Quasi-2D Halide Perovskites", <i>Small</i> , 17(23), 23 April 2021, doi: <a href="https://doi.org/10.1002/sml.202100442">https://doi.org/10.1002/sml.202100442</a> .
	#ZHANG Xin, #ZHU Qi, CHEN Bing, #WANG Shixun, ROGACH Andrey, WANG Feng, "Sensitizing Full-Spectrum Lanthanide Luminescence within a Semiconductor CaZnOS Host", <i>Advanced Photonics Research</i> , 2(3), 31 October 2020, doi: <a href="https://doi.org/10.1002/adpr.202000089">https://doi.org/10.1002/adpr.202000089</a> .
	QI Shuo, #ZHANG Yachao, #LIU Gongyuan, #CHEN Jiangbo, #LI Xiaozhen, #ZHU Qi, YANG Yuqi, WANG Feng, SHI Jiahai, LEE Chun Sing, ZHU Guangyu, LAI Puxiang, WANG Lidai, FANG Chihua, "Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma", <i>Acta Biomaterialia</i> , 129, 31 May 2021, pp 245-257, doi: <a href="https://doi.org/10.1016/j.actbio.2021.05.034">https://doi.org/10.1016/j.actbio.2021.05.034</a> .
	#LAI Zhengxun, DONG Ruoting, #ZHU Qi, #MENG You, WANG Fei, #LI Fangzhou, #BU Xiuming, #KANG Xiaolin, #ZHANG Heng, #QUAN Quan, #WANG Wei, WANG Feng, YIP Sen Po, HO Johnny Chung Yin, "Bication-Mediated Quasi-2D Halide Perovskites for High-Performance Flexible Photodetectors: From Ruddlesden-Popper Type to Dion-Jacobson Type", <i>ACS applied materials &amp; interfaces</i> , 12(35), 07 August 2020, pp 39567-39577, doi: <a href="https://doi.org/10.1021/acsmi.0c09651">https://doi.org/10.1021/acsmi.0c09651</a> .
ZHU Xiaohong	#HUANG Changxiong, #ZHU Xiaohong, #LI Na, #MA Xinyao, LI Zhen, FAN Jun, "Simultaneous Sensing of Force and Current Signals to Recognize Proteinogenic Amino Acids at a Single-Molecule Level", <i>Journal of Physical Chemistry Letters</i> , 12(2), 07 January 2021, pp 793-799, doi: <a href="https://doi.org/10.1021/acs.jpcl.0c02989">https://doi.org/10.1021/acs.jpcl.0c02989</a> .
	#ZHU Xiaohong, #LI Na, #HUANG Changxiong, LI Zhen, FAN Jun, "Membrane Perturbation and Lipid Flip-Flop Mediated by Graphene Nanosheet", <i>Journal of Physical Chemistry B</i> ,

## Section A: Publications of PhD Students

	124(47), 16 November 2020, pp 10632–10640, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c06089">https://doi.org/10.1021/acs.jpcc.0c06089</a> .
	# <a href="#">LI Na</a> , <a href="#">LI Yiran</a> , # <a href="#">ZHU Xiaohong</a> , # <a href="#">ZHU Xiaohong</a> , <a href="#">FAN Jun</a> , "Theoretical investigation of the intercalation mechanism of VS <sub>2</sub> /MXene heterostructures as anode materials for metal-ion batteries", <i>Applied Surface Science</i> , 543, 18 December 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.148772">https://doi.org/10.1016/j.apsusc.2020.148772</a> .
	# <a href="#">LI Na</a> , <a href="#">LI Yiran</a> , # <a href="#">ZHU Xiaohong</a> , # <a href="#">ZHU Xiaohong</a> , <a href="#">FAN Jun</a> , "Theoretical investigation of the intercalation mechanism of VS <sub>2</sub> /MXene heterostructures as anode materials for metal-ion batteries", <i>Applied Surface Science</i> , 543, 18 December 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.148772">https://doi.org/10.1016/j.apsusc.2020.148772</a> .
	# <a href="#">MA Xinyao</a> , # <a href="#">ZHU Xiaohong</a> , # <a href="#">HUANG Changxiong</a> , <a href="#">LI Zhen</a> , <a href="#">FAN Jun</a> , "Molecular mechanisms underlying the role of the puckered surface in the biocompatibility of black phosphorus", <i>Nanoscale</i> , 13(6), 19 January 2021, pp 3790-3799, doi: <a href="https://doi.org/10.1039/d0nr08480h">https://doi.org/10.1039/d0nr08480h</a> .
<b>Conference papers</b>	
<b>GHASHGHAIE Sasan</b>	# <a href="#">MUHYO-DIN Ghulam</a> , # <a href="#">SHAHZAD Hafiz Khurram</a> , # <a href="#">GHASHGHAIE Sasan</a> , # <a href="#">LIU Han</a> , <a href="#">CHUNG Chi Yuen</a> , "Electrophoretic deposition of TiO <sub>2</sub> -CNTs nanocomposite for cathode applications in Li-S batteries", <i>ACS Publications Symposium</i> , Virtual, Hong Kong, 20-21 May 2021.
<b>LIU Han</b>	# <a href="#">MUHYO-DIN Ghulam</a> , # <a href="#">SHAHZAD Hafiz Khurram</a> , # <a href="#">GHASHGHAIE Sasan</a> , # <a href="#">LIU Han</a> , <a href="#">CHUNG Chi Yuen</a> , "Electrophoretic deposition of TiO <sub>2</sub> -CNTs nanocomposite for cathode applications in Li-S batteries", <i>ACS Publications Symposium</i> , Virtual, Hong Kong, 20-21 May 2021.
<b>MUHYO-DIN Ghulam</b>	# <a href="#">MUHYO-DIN Ghulam</a> , # <a href="#">SHAHZAD Hafiz Khurram</a> , # <a href="#">GHASHGHAIE Sasan</a> , # <a href="#">LIU Han</a> , <a href="#">CHUNG Chi Yuen</a> , "Electrophoretic deposition of TiO <sub>2</sub> -CNTs nanocomposite for cathode applications in Li-S batteries", <i>ACS Publications Symposium</i> , Virtual, Hong Kong, 20-21 May 2021.
<b>SHAHZAD Hafiz Khurram</b>	# <a href="#">MUHYO-DIN Ghulam</a> , # <a href="#">SHAHZAD Hafiz Khurram</a> , # <a href="#">GHASHGHAIE Sasan</a> , # <a href="#">LIU Han</a> , <a href="#">CHUNG Chi Yuen</a> , "Electrophoretic deposition of TiO <sub>2</sub> -CNTs nanocomposite for cathode applications in Li-S batteries", <i>ACS Publications Symposium</i> , Virtual, Hong Kong, 20-21 May 2021.
<b>Patents, agreements, assignments and companies</b>	
<b>CHEN Shengmei</b>	# <a href="#">CHEN Shengmei</a> , <a href="#">ZAPIEN Juan Antonio</a> , Preparation Method of Magnetic Nanoparticles with Silicon Dioxide Coated Ferroferric Oxide Core-shell Structure, Patent No.: ZL201810832749.0, China, 25 June 2021.
<b>CHUNG Kam Sing</b>	<a href="#">LAM Hon Wah Michael</a> , <a href="#">VELLAISAMY Arul Lenus Roy</a> , <a href="#">YEUNG Chi Chung</a> , <a href="#">LAU Siu Chuen</a> , # <a href="#">CHUNG Kam Sing</a> , Electrochemical Detector, Patent No.: US10,768,158, United States, 08 September 2020.
<b>LIANG Guojin</b>	# <a href="#">LIANG Guojin</a> , <a href="#">ZHI Chunyi</a> , Electroluminescent device and a light emitting system, Patent No.: US10,868,267, United States, 15 December 2020.
<b>MO Funian</b>	# <a href="#">MO Funian</a> , <a href="#">ZHI Chunyi</a> , Adaptable Electrical Component, Patent No.: US10,886,561, United States, 05 January 2021.
<b>All other outputs</b>	
<b>ABBAS Waseem</b>	# <a href="#">ABBAS Waseem</a> , <i>High Energy Efficiency and Thermal Stability of BaTiO<sub>3</sub> BiScO<sub>3</sub> Thin Films Based on Texture and Defects Engineering</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 15 June 2021.
<b>CAO Boxuan</b>	# <a href="#">CAO Boxuan</a> , <i>Microstructural Stability and Mechanical Properties of L<sub>12</sub>-Strengthened Multicomponent Co-Rich Alloys</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 28 January 2021.
<b>CHEN Tianding</b>	# <a href="#">CHEN Tianding</a> , <i>Design and Synthesis of Nanomaterials Based on Solution Process Techniques for High Performance NO<sub>2</sub> Gas Sensors</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 18 May 2021.
<b>DENG Xiangxuan</b>	# <a href="#">DENG Xiangxuan</a> , <i>Theoretical Investigations on Modified Two-Dimensional Molybdenum Disulfide for Environmental and Energy Applications</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 28 July 2020.
<b>DIAO Yingxue</b>	# <a href="#">DIAO Yingxue</a> , <i>Alkyne and Thiol-Equipped Metal-Organic Frameworks for Robust Catalysis and Energy Applications</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 01 September 2020.

Section A: Publications of PhD Students

<b>GHASHGHAIE Sasan</b>	#GHASHGHAIE Sasan, <i>Electrophoretic Deposition of Sulfur Host Nanomaterials as a Binder-Free Approach to Fabricate 3D Cathode Structures for Li-S Batteries</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 21 September 2020.
<b>GONG Xianjing</b>	#GONG Xianjing, <i>Fabrication of Environmental Friendly Cellulose/Cellulose Derivative Based Functional Materials and Their Applications</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 20 October 2020.
<b>JIAO Tianpeng</b>	#JIAO Tianpeng, <i>Nanostructured Metal Sulfides and Derivates for Electrode Applications of Batteries</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 04 August 2020.
<b>LI Fangzhou</b>	#LI Fangzhou, <i>Crystalline InGaZnO Superlattice Nanowires for High-performance Electronic and Photoelectronics</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 10 August 2020.
<b>LI Menglin</b>	#LI Menglin, <i>High Quality Metal Oxide Charge Transfer Layer Towards Highly Efficient and Stable Perovskite Solar Cells</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 01 September 2020.
<b>LI Na</b>	#LI Na, <i>First Principles Studies of MXenes as Electrode Materials for Rechargeable Batteries</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 10 May 2021.
<b>LI Qihong</b>	#LI Qihong, <i>Preparations and Characterization of Nanocellulose and Its Packaging Applications</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 29 January 2021.
<b>LI Yanxiu</b>	#LI Yanxiu, <i>Growth Mechanisms and Shape Control of Light-emitting Lead Halide Perovskite Nanocrystals</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 31 July 2020.
<b>LI Zebiao</b>	#LI Zebiao, <i>Studies of Growth and Blackening Mechanisms of Anodic TiO<sub>2</sub></i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 11 August 2020.
<b>MA Yuhui</b>	#MA Yuhui, <i>Investigating Zinc Oxide Nanoparticle Interlayer Materials and Applications for Stable Photovoltaic Devices</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 01 September 2020.
<b>MEHRJOU Babak</b>	#MEHRJOU Babak, <i>Mechanobiocidal and Anticorrosion Effect of Nanopatterned Silk Film</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 30 July 2020.
<b>MUSAH Jamal-Deen</b>	#MUSAH Jamal-Deen, <i>Isovalent Doping in Bismuth Chalcogenide Materials for Enhancing Thermoelectric Performance</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 19 January 2021.
<b>REN Biyun</b>	#REN Biyun, <i>Exploring New Host Materials for Lanthanide-Based Luminescence Thermometry</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 26 March 2021.
<b>SAW Lin Oo</b>	#SAW Lin Oo, <i>Electrochemical Devices for In-Vitro Detection of Cancer</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 19 February 2021.
<b>WANG Donghong</b>	#WANG Donghong, <i>Aqueous Rechargeable Zinc Batteries: from Cathode Materials to Flexible Devices</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 26 November 2020.
<b>XIAO Xufen</b>	#XIAO Xufen, <i>Synthesis and Morphology Tuning of Gold Nanostructures and Their Applications</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 08 April 2021.
<b>XU Chen</b>	#XU Chen, <i>Emerging Titanium Compounds Plasmonic Nanomaterials for Localized Surface Plasmon Resonance Sensor Applications</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 31 July 2020.
<b>XU Jiengang</b>	#XU Jiengang, <i>Morphology and Size Engineering of Two-Dimensional MoS<sub>2</sub> Crystal via Chemical Vapor Deposition</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 27 May 2021.

## Section A: Publications of PhD Students

<b>YAN Wenhao</b>	# <u>YAN Wenhao</u> , <i>Design of Self-Powered Flexible Gas Sensors for Room Temperature NO<sub>2</sub> Detection</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 18 May 2021.
<b>YANG Qi</b>	# <u>YANG Qi</u> , <i>Electrode Stabilization Strategies for Aqueous Zinc Batteries</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 28 July 2020.
<b>ZHANG Heng</b>	# <u>ZHANG Heng</u> , <i>Titanium Dioxide and Arsenic-Based III-V Semiconductor Nanostructure Materials for High Performance Photoelectric Devices</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 16 February 2021.
<b>ZHANG Tianlong</b>	# <u>ZHANG Tianlong</u> , <i>Design of Advanced Titanium-based Alloys with Controlled Microstructures and Enhanced Properties for Structural Applications</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 01 March 2021.
<b>ZHAO Jianxiong</b>	# <u>ZHAO Jianxiong</u> , <i>Synthesis and Characterization of Core-shell Upconversion Nanoparticles Containing Anisotropic Interfacial Strain</i> , PhD Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 24 July 2020.
<b>DEPARTMENT OF MECHANICAL ENGINEERING</b>	
<b>Journal publications</b>	
<b>AHMAD Muhammad</b>	# <u>AHMAD Muhammad</u> , NAWAZ Tehseen, MUJAHID ALAM Mohammad, ABBAS Yasir , ALI Shafqat, IMRAN Muhammad, ZHANG Shuangkun, WU Zhanpeng, "Effective Poly (Cyclotriphosphazene-Co-4,4'-Sulfonyldiphenol)@rGO Sheets for Tetracycline Adsorption: Fabrication, Characterization, Adsorption Kinetics and Thermodynamics", <i>Nanomaterials</i> , 11(6), 11 June 2021, doi: <a href="https://doi.org/10.3390/nano11061540">https://doi.org/10.3390/nano11061540</a> .
	ALI Shafqat, ZUHRA Zareen, ALI Sajjad, HAN Qi, # <u>AHMAD Muhammad</u> , WANG Zhongying, "Ultra-deep removal of Pb by functionality tuned UiO-66 framework: A combined experimental, theoretical and HSAB approach", <i>Chemosphere</i> , 284, 25 June 2021, doi: <a href="https://doi.org/10.1016/j.chemosphere.2021.131305">https://doi.org/10.1016/j.chemosphere.2021.131305</a> .
	NAWAZ Tehseen, # <u>AHMAD Muhammad</u> , YU Jieying, WANG Shiqi, WEI Tianxin, "A recyclable tetracycline imprinted polymeric SPR sensor: in synergy with itaconic acid and methacrylic acid", <i>New Journal of Chemistry</i> , 45(6), 24 December 2020, pp 3102-3111, doi: <a href="https://doi.org/10.1039/d0nj05364c">https://doi.org/10.1039/d0nj05364c</a> .
<b>ALI Zulfiqar</b>	# <u>ALI Zulfiqar</u> , MA Weiyin, "Isogeometric collocation method with intuitive derivative constraints for PDE-based analysis-suitable parameterizations", <i>Computer Aided Geometric Design</i> , 87, 28 April 2021, doi: <a href="https://doi.org/10.1016/j.cagd.2021.101994">https://doi.org/10.1016/j.cagd.2021.101994</a> .
<b>BAO Yan</b>	<u>WU Ge</u> , <u>SUN Ligang</u> , <u>ZHU Linli</u> , <u>LIU Chang</u> , <u>WANG Qing</u> , # <u>BAO Yan</u> , <u>LU Jian</u> , "Near-ideal strength and large compressive deformability of a nano-dual-phase glass-crystal alloy in sub-micron", <i>Scripta Materialia</i> , 188, 01 August 2020, pp 290-295, doi: <a href="https://doi.org/10.1016/j.scriptamat.2020.07.056">https://doi.org/10.1016/j.scriptamat.2020.07.056</a> .
<b>BU Yu</b>	# <u>CHENG Lizi</u> , <u>TANG Tao</u> , <u>YANG Haokun</u> , # <u>HAO Fengqian</u> , <u>WU Ge</u> , # <u>LYU Fucong</u> , # <u>BU Yu</u> , <u>ZHAO Yilu</u> , <u>ZHAO Yan</u> , <u>LIU Guo</u> , <u>CHENG Xuan</u> , <u>LU Jian</u> , "The Twisting of Dome-Like Metamaterial from Brittle to Ductile", <i>Advanced Science</i> , 01 May 2021, doi: <a href="https://doi.org/10.1002/advs.202002701">https://doi.org/10.1002/advs.202002701</a> .
	<u>BIAN Haidong</u> , <u>HE Quanfeng</u> , <u>LUAN Junhua</u> , # <u>BU Yu</u> , <u>YANG Yong</u> , <u>XU Zhengtao</u> , <u>LU Jian</u> , <u>LI Yangyang</u> , "Liquefaction-induced plasticity from entropy-boosted amorphous ceramics", <i>Applied Materials Today</i> , 23, 26 March 2021, doi: <a href="https://doi.org/10.1016/j.apmt.2021.101011">https://doi.org/10.1016/j.apmt.2021.101011</a> .
	<u>GAO Dian-Ce</u> , <u>SUN Yongjun</u> , # <u>ZHOU Chuanwen</u> , # <u>BU Yu</u> , <u>BAO Yan</u> , <u>CHAI Jiale</u> , "Numerical and experimental study on a double-layered coating design using supplemental property particles for achieving user-desired thermal and aesthetic performance", <i>Energy</i> , 211, 27 August 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.118683">https://doi.org/10.1016/j.energy.2020.118683</a> .
<b>CAI Junjie</b>	# <u>CHEN Jingtan</u> , <u>ZHOU Yuan</u> , <u>ZHAO Jiyun</u> , # <u>CAI Junjie</u> , <u>GONG Houjun</u> , "Experimental and theoretical study of jet hydrodynamic breakup behavior with air entrainment", <i>Annals of Nuclear Energy</i> , 151, 16 October 2020, doi: <a href="https://doi.org/10.1016/j.anucene.2020.107900">https://doi.org/10.1016/j.anucene.2020.107900</a> .

Section A: Publications of PhD Students

	<p>#CHEN Jingtian, AHMAD Shakeel, #CAI Junjie, #LIU Huaqiang, #LAU Kwun Ting, ZHAO Jiyun, "Latest progress on nanotechnology aided boiling heat transfer enhancement: A review", <i>Energy</i>, 215(Part A), 20 October 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.119114">https://doi.org/10.1016/j.energy.2020.119114</a>.</p> <p>#XIA Fan, ZHAO Jiyun, #CAI Junjie, #LIU Jian, "Dynamic cost analysis for disposal of low and intermediate level nuclear waste in China", <i>Annals of Nuclear Energy</i>, 154, 06 January 2021, doi: <a href="https://doi.org/10.1016/j.anucene.2020.108097">https://doi.org/10.1016/j.anucene.2020.108097</a>.</p>
<b>CAO Zhaowenbo</b>	<p>LIU Guo, ZHANG Xiaofeng, #CHEN Xuliang, #HE Yunhu, #CHENG Lizi, #HUO Mengke, #YIN Jianan, #HAO Fengqian, #CHEN Siyao, WANG Peiyu, YI Shenghui, #WAN Lei, #MAO Zhengyi, CHEN Zhou, WANG Xu, #CAO Zhaowenbo, LU Jian, "Additive manufacturing of structural materials", <i>Materials Science and Engineering R: Reports</i>, 01 April 2021, doi: <a href="https://doi.org/10.1016/j.msere.2020.100596">https://doi.org/10.1016/j.msere.2020.100596</a>.</p>
<b>CHEN Jingtian</b>	<p>#CHEN Jingtian, ZHOU Yuan, ZHAO Jiyun, #CAI Junjie, GONG Houjun, "Experimental and theoretical study of jet hydrodynamic breakup behavior with air entrainment", <i>Annals of Nuclear Energy</i>, 151, 16 October 2020, doi: <a href="https://doi.org/10.1016/j.anucene.2020.107900">https://doi.org/10.1016/j.anucene.2020.107900</a>.</p> <p>#CHEN Jingtian, AHMAD Shakeel, #CAI Junjie, #LIU Huaqiang, #LAU Kwun Ting, ZHAO Jiyun, "Latest progress on nanotechnology aided boiling heat transfer enhancement: A review", <i>Energy</i>, 215(Part A), 20 October 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.119114">https://doi.org/10.1016/j.energy.2020.119114</a>.</p> <p>AHMAD Shakeel, #LIU Huaqiang, #SHI Yu, #CHEN Jingtian, ZHAO Jiyun, "The study of nucleation site interactions on the mixed wettability rough surface", <i>International Communications in Heat and Mass Transfer</i>, 126, 31 May 2021, doi: <a href="https://doi.org/10.1016/j.icheatmasstransfer.2021.105372">https://doi.org/10.1016/j.icheatmasstransfer.2021.105372</a>.</p> <p>AHMAD Shakeel, #DENG Wei, #LIU Huaqiang, #KHAN Shahid Ali, #CHEN Jingtian, ZHAO Jiyun, "Molecular dynamics simulations of nanoscale boiling on mesh-covered surfaces", <i>Applied Thermal Engineering</i>, 195, 05 June 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.117183">https://doi.org/10.1016/j.applthermaleng.2021.117183</a>.</p> <p>AHMAD Shakeel, #CHEN Jingtian, #EZE Chika Michael, ZHAO Jiyun, "Lattice Boltzmann study of nucleation site interaction and nucleate boiling heat transfer on a hybrid surface with multiple cavity-pillar structures", <i>International Journal of Thermal Sciences</i>, 163, 01 February 2021, doi: <a href="https://doi.org/10.1016/j.ijthermalsci.2021.106860">https://doi.org/10.1016/j.ijthermalsci.2021.106860</a>.</p> <p>#LIU Huaqiang, AHMAD Shakeel, #CHEN Jingtian, ZHAO Jiyun, "Molecular dynamics study of the nanoscale boiling heat transfer process on nanostructured surfaces", <i>International Communications in Heat and Mass Transfer</i>, 119, 16 October 2020, doi: <a href="https://doi.org/10.1016/j.icheatmasstransfer.2020.104963">https://doi.org/10.1016/j.icheatmasstransfer.2020.104963</a>.</p> <p>#KHAN Shahid Ali, ALI Bagh, #EZE Chika Michael, #LAU Kwun Ting, ALI Liaqat, #CHEN Jingtian, ZHAO Jiyun, "Magnetic dipole and thermal radiation impacts on stagnation point flow of micropolar based nanofluids over a vertically stretching sheet: Finite element approach", <i>Processes</i>, 9(7), 23 June 2021, doi: <a href="https://doi.org/10.3390/pr9071089">https://doi.org/10.3390/pr9071089</a>.</p>
<b>CHEN Meng</b>	<p>#CHEN Meng, LIU Yifan, TAM John Chung, CHAN Ho Yin, LI Xinyue, CHAN Chishing, LI Wen Jung, "Wireless AI-Powered IoT Sensors for Laboratory Mice Behavior Recognition", <i>IEEE Internet of Things Journal</i>, 18 June 2021, doi: <a href="https://doi.org/10.1109/JIOT.2021.3090583">https://doi.org/10.1109/JIOT.2021.3090583</a>.</p> <p>ZHAO Yuliang, YU Xiaodong, #CHEN Meng, ZHANG Ming, CHEN Ye, NIU Xuanyu, SHA Xiaopeng, ZHAN Zhikun, LI Wen Jung, "Continuous Monitoring of Train Parameters Using IoT Sensor and Edge Computing", <i>IEEE Sensors Journal</i>, 21(14), 25 September 2020, pp 15458-15468, doi: <a href="https://doi.org/10.1109/JSEN.2020.3026643">https://doi.org/10.1109/JSEN.2020.3026643</a>.</p>
<b>CHEN Siyao</b>	<p>LIU Guo, ZHANG Xiaofeng, #CHEN Xuliang, #HE Yunhu, #CHENG Lizi, #HUO Mengke, #YIN Jianan, #HAO Fengqian, #CHEN Siyao, WANG Peiyu, YI Shenghui, #WAN Lei, #MAO Zhengyi, CHEN Zhou, WANG Xu, #CAO Zhaowenbo, LU Jian, "Additive manufacturing of structural materials", <i>Materials Science and Engineering R: Reports</i>, 01 April 2021, doi: <a href="https://doi.org/10.1016/j.msere.2020.100596">https://doi.org/10.1016/j.msere.2020.100596</a>.</p>
<b>CHEN Xuliang</b>	<p>LIU Guo, ZHANG Xiaofeng, #CHEN Xuliang, #HE Yunhu, #CHENG Lizi, #HUO Mengke, #YIN Jianan, #HAO Fengqian, #CHEN Siyao, WANG Peiyu, YI Shenghui, #WAN Lei, #MAO Zhengyi, CHEN Zhou, WANG Xu, #CAO Zhaowenbo, LU Jian, "Additive manufacturing of structural materials", <i>Materials Science and Engineering R: Reports</i>, 01 April 2021, doi: <a href="https://doi.org/10.1016/j.msere.2020.100596">https://doi.org/10.1016/j.msere.2020.100596</a>.</p> <p>LIU Guo, #HE Yunhu, LIU Pengchao, CHEN Zhou, #CHEN Xuliang, #WAN Lei, LI Ying, LU Jian, "Development of Bioimplants with 2D, 3D, and 4D Additive Manufacturing Materials",</p>

## Section A: Publications of PhD Students

	<i>Engineering</i> , 6(11), 08 October 2020, pp 1232-1243, doi: <a href="https://doi.org/10.1016/j.eng.2020.04.015">https://doi.org/10.1016/j.eng.2020.04.015</a> .
<b>CHEN Yatu</b>	# <a href="#">MA Xiaoxia</a> , <a href="#">CHAN Shing-Yam</a> , # <a href="#">ZHOU Jun</a> , # <a href="#">CHEN Yatu</a> , <a href="#">YANG Guangcheng</a> , <a href="#">ZHANG Kaili</a> , "Graphene Oxide Induced Nanoscale Energetic Coordination Polymer with Self-sustaining Combustion Ability", <i>Energetic Materials Frontiers</i> , 1(2), September 2020, pp 51-58, doi: <a href="https://doi.org/10.1016/j.enmf.2020.09.006">https://doi.org/10.1016/j.enmf.2020.09.006</a> .
	# <a href="#">HUSSAIN Iftikhar</a> , <a href="#">HUSSAIN Tanveer</a> , <a href="#">YANG Shaoran</a> , # <a href="#">CHEN Yatu</a> , # <a href="#">ZHOU Jun</a> , # <a href="#">MA Xiaoxia</a> , <a href="#">ABBAS Nadir</a> , <a href="#">LAMIEL Charmaine</a> , <a href="#">ZHANG Kaili</a> , "Integration of CuO nanosheets to Zn-Ni-Co oxide nanowire arrays for energy storage applications", <i>Chemical Engineering Journal</i> , 413, 30 October 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.127570">https://doi.org/10.1016/j.cej.2020.127570</a> .
<b>CHEN Yu Cheng</b>	# <a href="#">WANG Quan</a> , <a href="#">YI Xianfeng</a> , # <a href="#">CHEN Yu Cheng</a> , <a href="#">XIAO Yao</a> , <a href="#">ZHENG Anmin</a> , <a href="#">CHEN Jian Lin</a> , <a href="#">PENG Yung-kang</a> , "Electronic-State Manipulation of Surface Titanium Activates Dephosphorylation over TiO <sub>2</sub> Near Room Temperature", <i>Angewandte Chemie: International Edition in English</i> , 60(29), 12 May 2021, pp 16149-16155, doi: <a href="https://doi.org/10.1002/anie.202104397">https://doi.org/10.1002/anie.202104397</a> .
	# <a href="#">TAN Zicong</a> , # <a href="#">ZHANG Jieru</a> , # <a href="#">CHEN Yu Cheng</a> , <a href="#">PENG Yung-kang</a> , <a href="#">CHOU Jyh-Pin</a> , "Unravelling the Role of Structural Geometry and Chemical State of Well-Defined Oxygen Vacancies on Pristine CeO <sub>2</sub> for H <sub>2</sub> O <sub>2</sub> Activation", <i>Journal of Physical Chemistry Letters</i> , 11(14), 16 July 2020, pp 5390-5396, doi: <a href="https://doi.org/10.1021/acs.jpcllett.0c01557">https://doi.org/10.1021/acs.jpcllett.0c01557</a> .
<b>CHENG Lizi</b>	# <a href="#">CHENG Lizi</a> , <a href="#">TANG Tao</a> , <a href="#">YANG Haokun</a> , # <a href="#">HAO Fengqian</a> , <a href="#">WU Ge</a> , # <a href="#">LYU Fucong</a> , # <a href="#">BU Yu</a> , <a href="#">ZHAO Yilu</a> , <a href="#">ZHAO Yan</a> , <a href="#">LIU Guo</a> , <a href="#">CHENG Xuan</a> , <a href="#">LU Jian</a> , "The Twisting of Dome-Like Metamaterial from Brittle to Ductile", <i>Advanced Science</i> , 01 May 2021, doi: <a href="https://doi.org/10.1002/advs.202002701">https://doi.org/10.1002/advs.202002701</a> .
	<a href="#">LIU Guo</a> , <a href="#">ZHANG Xiaofeng</a> , # <a href="#">CHEN Xuliang</a> , # <a href="#">HE Yunhu</a> , # <a href="#">CHENG Lizi</a> , # <a href="#">HUO Mengke</a> , # <a href="#">YIN Jianan</a> , # <a href="#">HAO Fengqian</a> , # <a href="#">CHEN Siyao</a> , <a href="#">WANG Peiyu</a> , <a href="#">YI Shenghui</a> , # <a href="#">WAN Lei</a> , # <a href="#">MAO Zhengyi</a> , <a href="#">CHEN Zhou</a> , <a href="#">WANG Xu</a> , # <a href="#">CAO Zhaowenbo</a> , <a href="#">LU Jian</a> , "Additive manufacturing of structural materials", <i>Materials Science and Engineering R: Reports</i> , 01 April 2021, doi: <a href="https://doi.org/10.1016/j.msere.2020.100596">https://doi.org/10.1016/j.msere.2020.100596</a> .
<b>CHENG Yaqi</b>	<a href="#">LIU Minjie</a> , <a href="#">DU Hanheng</a> , # <a href="#">CHENG Yaqi</a> , # <a href="#">ZHENG Huanxi</a> , # <a href="#">JIN Yuankai</a> , <a href="#">TO Suet</a> , <a href="#">WANG Steven</a> , <a href="#">WANG Zuankai</a> , "Explosive Pancake Bouncing on Hot Superhydrophilic Surfaces", <i>ACS Applied Materials &amp; Interfaces</i> , 13(20), 17 May 2021, pp 24321-24328, doi: <a href="https://doi.org/10.1021/acsami.1c05867">https://doi.org/10.1021/acsami.1c05867</a> .
	# <a href="#">CHENG Yaqi</a> , # <a href="#">WANG Mingmei</a> , # <a href="#">SUN Jing</a> , <a href="#">LIU Minjie</a> , <a href="#">DU Bingang</a> , <a href="#">LIU Yuanbo</a> , # <a href="#">JIN Yuankai</a> , <a href="#">WEN Rongfu</a> , <a href="#">LAN Zhong</a> , <a href="#">ZHOU Xiaofeng</a> , <a href="#">MA Xuehu</a> , <a href="#">WANG Zuankai</a> , "Rapid and Persistent Suction Condensation on Hydrophilic Surfaces for High-Efficiency Water Collection", <i>Nano Letters</i> , 26 June 2021, doi: <a href="https://doi.org/10.1021/acs.nanolett.1c01928">https://doi.org/10.1021/acs.nanolett.1c01928</a> .
	# <a href="#">JIN Yuankai</a> , # <a href="#">XU Wanghuai</a> , # <a href="#">ZHANG Huanhuan</a> , # <a href="#">ZHENG Huanxi</a> , # <a href="#">CHENG Yaqi</a> , # <a href="#">YAN Xiantong</a> , # <a href="#">GAO Shouwei</a> , <a href="#">WANG Daoai</a> , <a href="#">ZI Yunlong</a> , <a href="#">ZHOU Feng</a> , <a href="#">WANG Zuankai</a> , "Complete Prevention of Contact Electrification by Molecular Engineering", <i>Matter</i> , 4(1), 10 November 2020, pp 290-301, doi: <a href="https://doi.org/10.1016/j.matt.2020.10.019">https://doi.org/10.1016/j.matt.2020.10.019</a> .
	# <a href="#">CHENG Yaqi</a> , <a href="#">LIU Yuanbo</a> , <a href="#">YE Xuan</a> , # <a href="#">LIU Minjie</a> , <a href="#">DU Bingang</a> , # <a href="#">JIN Yuankai</a> , <a href="#">WEN Rongfu</a> , <a href="#">LAN Zhong</a> , <a href="#">WANG Zuankai</a> , <a href="#">MA Xuehu</a> , "Macrotextures-enabled self-propelling of large condensate droplets", <i>Chemical Engineering Journal</i> , 405, 06 September 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.126901">https://doi.org/10.1016/j.cej.2020.126901</a> .
<b>CHUNG Dukhyun</b>	# <a href="#">CHUNG Dukhyun</a> , <a href="#">LIU X. D.</a> , <a href="#">YANG Yong</a> , "Fracture of sigma phase containing Co–Cr–Ni–Mo medium entropy alloys", <i>Journal of Alloys and Compounds</i> , 846, 22 July 2020, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.156189">https://doi.org/10.1016/j.jallcom.2020.156189</a> .
<b>DANG Chaoqun</b>	# <a href="#">WANG Yao</a> , <a href="#">ZHANG Yanjun</a> , <a href="#">WANG Shuo</a> , <a href="#">DONG Shuyu</a> , # <a href="#">DANG Chaoqun</a> , <a href="#">HU Weichen</a> , <a href="#">YU Yau Wai Denis</a> , "Ultrafast Charging and Stable Cycling Dual-Ion Batteries Enabled via an Artificial Cathode–Electrolyte Interface", <i>Advanced Functional Materials</i> , 31(29), 03 May 2021, doi: <a href="https://doi.org/10.1002/adfm.202102360">https://doi.org/10.1002/adfm.202102360</a> .
	# <a href="#">DANG Chaoqun</a> , # <a href="#">LIN Weitong</a> , <a href="#">MENG Fanling</a> , <a href="#">ZHANG Hongti</a> , # <a href="#">FAN Sufeng</a> , # <a href="#">LI Xiaocui</a> , <a href="#">CAO Ke</a> , <a href="#">YANG Haokun</a> , <a href="#">ZHOU Wenzhao</a> , <a href="#">FAN Zhengjie</a> , <a href="#">KAI Ji-jung</a> , <a href="#">LU Yang</a> , "Enhanced tensile ductility of tungsten microwires via high-density dislocations and reduced grain boundaries", <i>Journal of Materials Science and Technology</i> , 95, 01 June 2021, pp 193-202, doi: <a href="https://doi.org/10.1016/j.jmst.2021.04.021">https://doi.org/10.1016/j.jmst.2021.04.021</a> .



Section A: Publications of PhD Students

	<p>#<a href="#">DANG Chaoqun</a>, <a href="#">CHOU Jyh-Pin</a>, DAI Bing, CHOU Chang-Ti, YANG Yang, <a href="#">FAN Rong</a>, #<a href="#">LIN Weitong</a>, MENG Fanling, <a href="#">HU Alice</a>, ZHU Jiaqi, HAN Jiecai, MINOR Andrew M., LI Ju, <a href="#">LU Yang</a>, "Achieving large uniform tensile elasticity in microfabricated diamond", <i>Science</i>, 371(6524), 01 January 2021, pp 76-78, doi: <a href="https://doi.org/10.1126/science.abc4174">https://doi.org/10.1126/science.abc4174</a>.</p> <p>#<a href="#">LI Xiaocui</a>, #<a href="#">MENG You</a>, <a href="#">FAN Rong</a>, #<a href="#">FAN Sufeng</a>, #<a href="#">DANG Chaoqun</a>, #<a href="#">FENG Xiaobin</a>, <a href="#">HO Johnny Chung Yin</a>, <a href="#">LU Yang</a>, "High elasticity of CsPbBr<sub>3</sub> perovskite nanowires for flexible electronics", <i>Nano Research</i>, 03 March 2021, doi: <a href="https://doi.org/10.1007/s12274-021-3332-0">https://doi.org/10.1007/s12274-021-3332-0</a>.</p> <p>#<a href="#">LIN Weitong</a>, <a href="#">CHEN Da</a>, #<a href="#">DANG Chaoqun</a>, YU P. J., WANG G., LIN J. H., MENG F. L., <a href="#">YANG Tao</a>, <a href="#">ZHAO Ying</a>, #<a href="#">LIU Shaofei</a>, DU J. P., <a href="#">YELI Guma</a>, <a href="#">LIU Chain Tsuan</a>, <a href="#">LU Yang</a>, <a href="#">OGATA Shigenobu</a>, <a href="#">KAI Ji-jung</a>, "Highly pressurized helium nanobubbles promote stacking-fault-mediated deformation in FeNiCoCr high-entropy alloy", <i>Acta Materialia</i>, 210, 27 March 2021, doi: <a href="https://doi.org/10.1016/j.actamat.2021.116843">https://doi.org/10.1016/j.actamat.2021.116843</a>.</p>
<b>DENG Wei</b>	<p><a href="#">AHMAD Shakeel</a>, #<a href="#">DENG Wei</a>, #<a href="#">LIU Huaqiang</a>, #<a href="#">KHAN Shahid Ali</a>, #<a href="#">CHEN Jingtang</a>, <a href="#">ZHAO Jiyun</a>, "Molecular dynamics simulations of nanoscale boiling on mesh-covered surfaces", <i>Applied Thermal Engineering</i>, 195, 05 June 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.117183">https://doi.org/10.1016/j.applthermaleng.2021.117183</a>.</p> <p>WANG Xuejian, QI Ji, #<a href="#">DENG Wei</a>, LI Gongping, GAO Xudong, HE Luanxuan, ZHANG Shixu, "An optimized design approach concerning thermoelectric generators with frustum-shaped legs based on three-dimensional multiphysics model", <i>Energy</i>, 233, 13 May 2021, doi: <a href="https://doi.org/10.1016/j.energy.2021.120810">https://doi.org/10.1016/j.energy.2021.120810</a>.</p>
<b>DENG Yongjian</b>	<p>#<a href="#">DENG Yongjian</a>, CHEN Hao, CHEN Huiying, <a href="#">LI You Fu</a>, "Learning from Images: A Distillation Learning Framework for Event Cameras", <i>IEEE Transactions on Image Processing</i>, 30, 07 May 2021, pp 4919-4931, doi: <a href="https://doi.org/10.1109/TIP.2021.3077136">https://doi.org/10.1109/TIP.2021.3077136</a>.</p> <p>CHEN Hao, #<a href="#">DENG Yongjian</a>, <a href="#">LI You Fu</a>, HUNG Tzu-Yi, LIN Guosheng, "RGBD Salient Object Detection via Disentangled Cross-Modal Fusion", <i>IEEE Transactions on Image Processing</i>, 29, 12 August 2020, pp 8407-8416, doi: <a href="https://doi.org/10.1109/TIP.2020.3014734">https://doi.org/10.1109/TIP.2020.3014734</a>.</p> <p>#<a href="#">DENG Yongjian</a>, CHEN Hao, <a href="#">LI You Fu</a>, "MVF-Net: A Multi-view Fusion Network for Event-based Object Classification", <i>IEEE Transactions on Circuits and Systems for Video Technology</i>, 16 April 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3073673">https://doi.org/10.1109/TCSVT.2021.3073673</a>.</p> <p><a href="#">CHEN Hao</a>, <a href="#">LI You Fu</a>, #<a href="#">DENG Yongjian</a>, LIN Guosheng, "CNN-Based RGB-D Salient Object Detection: Learn, Select, and Fuse", <i>International Journal of Computer Vision</i>, 129(7), 05 May 2021, pp 2076–2096, doi: <a href="https://doi.org/10.1007/s11263-021-01452-0">https://doi.org/10.1007/s11263-021-01452-0</a>.</p>
<b>DING Zhaoyi</b>	<p>#<a href="#">WANG Tianyu</a>, #<a href="#">PARK Minhyuk</a>, <a href="#">HE Quanfeng</a>, #<a href="#">DING Zhaoyi</a>, <a href="#">YU Qing</a>, <a href="#">YANG Yong</a>, "Low-Cost Scalable Production of Freestanding Two-Dimensional Metallic Nanosheets by Polymer Surface Buckling Enabled Exfoliation", <i>Cell Reports Physical Science</i>, 1(11), 14 October 2020, doi: <a href="https://doi.org/10.1016/j.xcrp.2020.100235">https://doi.org/10.1016/j.xcrp.2020.100235</a>.</p>
<b>EZE Chika Michael</b>	<p>#<a href="#">SHI Yu</a>, <a href="#">AHMAD Shakeel</a>, TONG Qing, LIM Tuti M., WEI Zhongbao, JI Dongxu, #<a href="#">EZE Chika Michael</a>, <a href="#">ZHAO Jiyun</a>, "The optimization of state of charge and state of health estimation for lithium-ions battery using combined deep learning and Kalman filter methods", <i>International Journal of Energy Research</i>, 45(7), 08 March 2021, pp 11206-11230, doi: <a href="https://doi.org/10.1002/er.6601">https://doi.org/10.1002/er.6601</a>.</p> <p><a href="#">AHMAD Shakeel</a>, #<a href="#">EZE Chika Michael</a>, #<a href="#">LIU Huaqiang</a>, <a href="#">ZHAO Jiyun</a>, "Lattice Boltzmann study of bubble dynamics and heat transfer on a hybrid rough surface with a cavity-pillar structure", <i>International Communications in Heat and Mass Transfer</i>, 119, 16 November 2020, doi: <a href="https://doi.org/10.1016/j.icheatmasstransfer.2020.104896">https://doi.org/10.1016/j.icheatmasstransfer.2020.104896</a>.</p> <p>#<a href="#">EZE Chika Michael</a>, #<a href="#">KHAN Shahid Ali</a>, #<a href="#">LAU Kwun Ting</a>, <a href="#">AHMAD Shakeel</a>, CHEN Lin, <a href="#">WANG Wei</a>, <a href="#">ZHAO Jiyun</a>, "Numerical study on the heat transfer deterioration and its mitigations for supercritical CO<sub>2</sub> flowing in a horizontal miniature tube", <i>Annals of Nuclear Energy</i>, 151, 09 November 2020, doi: <a href="https://doi.org/10.1016/j.anucene.2020.107982">https://doi.org/10.1016/j.anucene.2020.107982</a>.</p> <p><a href="#">AHMAD Shakeel</a>, #<a href="#">CHEN Jingtang</a>, #<a href="#">EZE Chika Michael</a>, <a href="#">ZHAO Jiyun</a>, "Lattice Boltzmann study of nucleation site interaction and nucleate boiling heat transfer on a hybrid surface with multiple cavity-pillar structures", <i>International Journal of Thermal Sciences</i>, 163, 01 February 2021, doi: <a href="https://doi.org/10.1016/j.ijthermalsci.2021.106860">https://doi.org/10.1016/j.ijthermalsci.2021.106860</a>.</p> <p>#<a href="#">KHAN Shahid Ali</a>, ALI Bagh, #<a href="#">EZE Chika Michael</a>, #<a href="#">LAU Kwun Ting</a>, ALI Liaqat, #<a href="#">CHEN Jingtang</a>, <a href="#">ZHAO Jiyun</a>, "Magnetic dipole and thermal radiation impacts on stagnation point flow of</p>

Section A: Publications of PhD Students

	micropolar based nanofluids over a vertically stretching sheet: Finite element approach", <i>Processes</i> , 9(7), 23 June 2021, doi: <a href="https://doi.org/10.3390/pr9071089">https://doi.org/10.3390/pr9071089</a> .
<b>FAN Sufeng</b>	# <a href="#">FAN Sufeng</a> , # <a href="#">LI Xiaocui</a> , <a href="#">FAN Rong</a> , <a href="#">LU Yang</a> , "Compressive elastic behavior of single-crystalline 4H-silicon carbide (SiC) nanopillars", <i>Science China Technological Sciences</i> , 64(1), 24 August 2020, pp 37–43, doi: <a href="https://doi.org/10.1007/s11431-020-1678-6">https://doi.org/10.1007/s11431-020-1678-6</a> .
	# <a href="#">DANG Chaoqun</a> , # <a href="#">LIN Weitong</a> , MENG Fanling, ZHANG Hongti, # <a href="#">FAN Sufeng</a> , # <a href="#">LI Xiaocui</a> , <a href="#">CAO Ke</a> , <a href="#">YANG Haokun</a> , ZHOU Wenzhao, FAN Zhengjie, <a href="#">KAI Ji-jung</a> , <a href="#">LU Yang</a> , "Enhanced tensile ductility of tungsten microwires via high-density dislocations and reduced grain boundaries", <i>Journal of Materials Science and Technology</i> , 95, 01 June 2021, pp 193-202, doi: <a href="https://doi.org/10.1016/j.jmst.2021.04.021">https://doi.org/10.1016/j.jmst.2021.04.021</a> .
	# <a href="#">FAN Sufeng</a> , # <a href="#">LI Xiaocui</a> , <a href="#">FAN Rong</a> , <a href="#">LU Yang</a> , "Size-dependent fracture behavior of GaN pillars under room temperature compression", <i>Nanoscale</i> , 12(45), 26 October 2020, pp 23241-23247, doi: <a href="https://doi.org/10.1039/d0nr05400c">https://doi.org/10.1039/d0nr05400c</a> .
	# <a href="#">LI Xiaocui</a> , # <a href="#">MENG You</a> , <a href="#">FAN Rong</a> , # <a href="#">FAN Sufeng</a> , # <a href="#">DANG Chaoqun</a> , # <a href="#">FENG Xiaobin</a> , <a href="#">HO Johnny Chung Yin</a> , <a href="#">LU Yang</a> , "High elasticity of CsPbBr <sub>3</sub> perovskite nanowires for flexible electronics", <i>Nano Research</i> , 03 March 2021, doi: <a href="https://doi.org/10.1007/s12274-021-3332-0">https://doi.org/10.1007/s12274-021-3332-0</a> .
	# <a href="#">WANG Yuejiao</a> , <a href="#">LI Xiang</a> , # <a href="#">FAN Sufeng</a> , # <a href="#">FENG Xiaobin</a> , <a href="#">CAO Ke</a> , <a href="#">GE Qi</a> , <a href="#">GAO Libo</a> , <a href="#">LU Yang</a> , "Three-Dimensional Stretchable Microelectronics by Projection Microstereolithography (PμSL)", <i>ACS Applied Materials and Interfaces</i> , 13(7), 15 February 2021, pp 8901–8908, doi: <a href="https://doi.org/10.1021/acsmi.0c20162">https://doi.org/10.1021/acsmi.0c20162</a> .
<b>FENG Xiaobin</b>	<a href="#">LI G. Y.</a> , <a href="#">WANG Y. Q.</a> , <a href="#">ZUO J. D.</a> , <a href="#">ZHANG M.</a> , <a href="#">HE C.</a> , # <a href="#">FENG Xiaobin</a> , <a href="#">LUAN Junhua</a> , <a href="#">LU Yang</a> , <a href="#">ZHANG J. Y.</a> , <a href="#">CAZOTTES S.</a> , <a href="#">KIENER D.</a> , <a href="#">LIU G.</a> , <a href="#">SUN J.</a> , "Zr addition-dependent twin morphology evolution and strengthening response in nanostructured Al thin films", <i>Materialia</i> , 16, 19 March 2021, doi: <a href="https://doi.org/10.1016/j.mtla.2021.101076">https://doi.org/10.1016/j.mtla.2021.101076</a> .
	# <a href="#">FENG Xiaobin</a> , # <a href="#">SURJADI James Utama</a> , <a href="#">FAN Rong</a> , # <a href="#">LI Xiaocui</a> , ZHOU Wenzhao, <a href="#">ZHAO Shijun</a> , <a href="#">LU Yang</a> , "Microalloyed medium-entropy alloy (MEA) composite nanolattices with ultrahigh toughness and cyclability", <i>Materials Today</i> , 42, 04 November 2020, pp 10-16, doi: <a href="https://doi.org/10.1016/j.mattod.2020.10.003">https://doi.org/10.1016/j.mattod.2020.10.003</a> .
	# <a href="#">SURJADI James Utama</a> , # <a href="#">FENG Xiaobin</a> , ZHOU Wenzhao, <a href="#">LU Yang</a> , "Optimizing film thickness to delay strut fracture in high-entropy alloy composite microlattices", <i>International Journal of Extreme Manufacturing</i> , 3(2), 25 January 2021, doi: <a href="https://doi.org/10.1088/2631-7990/abd8e8">https://doi.org/10.1088/2631-7990/abd8e8</a> .
	# <a href="#">SURJADI James Utama</a> , # <a href="#">FENG Xiaobin</a> , <a href="#">FAN Rong</a> , # <a href="#">LIN Weitong</a> , # <a href="#">LI Xiaocui</a> , <a href="#">LU Yang</a> , "Hollow medium-entropy alloy nanolattices with ultrahigh energy absorption and resilience", <i>NPG Asia Materials</i> , 13, 16 April 2021, doi: <a href="https://doi.org/10.1038/s41427-021-00306-y">https://doi.org/10.1038/s41427-021-00306-y</a> .
	<a href="#">BU Yeqiang</a> , <a href="#">WU Yuan</a> , <a href="#">LEI Zhifeng</a> , <a href="#">YUAN Xiaoyuan</a> , <a href="#">WU Honghui</a> , # <a href="#">FENG Xiaobin</a> , <a href="#">LIU Jiabin</a> , <a href="#">DING Jun</a> , <a href="#">LU Yang</a> , <a href="#">WANG Hongtao</a> , <a href="#">LU Zhaoping</a> , <a href="#">YANG Wei</a> , "Local chemical fluctuation mediated ductility in body-centered-cubic high-entropy alloys", <i>Materials Today</i> , 46, 11 April 2021, pp 28-34, doi: <a href="https://doi.org/10.1016/j.mattod.2021.02.022">https://doi.org/10.1016/j.mattod.2021.02.022</a> .
	# <a href="#">LI Xiaocui</a> , # <a href="#">MENG You</a> , <a href="#">FAN Rong</a> , # <a href="#">FAN Sufeng</a> , # <a href="#">DANG Chaoqun</a> , # <a href="#">FENG Xiaobin</a> , <a href="#">HO Johnny Chung Yin</a> , <a href="#">LU Yang</a> , "High elasticity of CsPbBr <sub>3</sub> perovskite nanowires for flexible electronics", <i>Nano Research</i> , 03 March 2021, doi: <a href="https://doi.org/10.1007/s12274-021-3332-0">https://doi.org/10.1007/s12274-021-3332-0</a> .
	# <a href="#">WANG Yuejiao</a> , <a href="#">LI Xiang</a> , # <a href="#">FAN Sufeng</a> , # <a href="#">FENG Xiaobin</a> , <a href="#">CAO Ke</a> , <a href="#">GE Qi</a> , <a href="#">GAO Libo</a> , <a href="#">LU Yang</a> , "Three-Dimensional Stretchable Microelectronics by Projection Microstereolithography (PμSL)", <i>ACS Applied Materials and Interfaces</i> , 13(7), 15 February 2021, pp 8901–8908, doi: <a href="https://doi.org/10.1021/acsmi.0c20162">https://doi.org/10.1021/acsmi.0c20162</a> .
<b>GAO Shouwei</b>	# <a href="#">ZHONG Hongmei</a> , <a href="#">LI Yanan</a> , <a href="#">ZHANG Peng</a> , # <a href="#">GAO Shouwei</a> , <a href="#">LIU Bingying</a> , <a href="#">WANG Yang</a> , <a href="#">MENG Ting</a> , # <a href="#">ZHOU Yongsen</a> , <a href="#">HOU Huwang</a> , <a href="#">XUE Chaohua</a> , <a href="#">ZHAO Yang</a> , <a href="#">WANG Zuankai</a> , "Hierarchically Hollow Microfibers as a Scalable and Effective Thermal Insulating Cooler for Buildings", <i>ACS Nano</i> , 15(6), 20 May 2021, pp 10076-10083, doi: <a href="https://doi.org/10.1021/acsnano.1c01814">https://doi.org/10.1021/acsnano.1c01814</a> .
	# <a href="#">JIN Yuankai</a> , # <a href="#">XU Wanghuai</a> , # <a href="#">ZHANG Huanhuan</a> , # <a href="#">ZHENG Huanxi</a> , # <a href="#">CHENG Yaqi</a> , # <a href="#">YAN Xiantong</a> , # <a href="#">GAO Shouwei</a> , <a href="#">WANG Daoai</a> , <a href="#">ZI Yunlong</a> , <a href="#">ZHOU Feng</a> , <a href="#">WANG Zuankai</a> , "Complete

## Section A: Publications of PhD Students

	Prevention of Contact Electrification by Molecular Engineering", <i>Matter</i> , 4(1), 10 November 2020, pp 290-301, doi: <a href="https://doi.org/10.1016/j.matt.2020.10.019">https://doi.org/10.1016/j.matt.2020.10.019</a> .
	LI Lianhui, #GAO Shouwei, HAO Mingming, YANG Xianqing, FENG Sijia, LI Lili, WANG Shuqi, XIONG Zuoping, SUN Fuqin, LI Yue, BAI Yuanyuan, ZHAO Yangyong, <u>WANG Zuankai</u> , ZHANG Ting, "A novel, flexible dual-mode power generator adapted for wide dynamic range of the aqueous salinity", <i>Nano Energy</i> , 85, 15 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.105970">https://doi.org/10.1016/j.nanoen.2021.105970</a> .
	DONG Xiuli, #GAO Shouwei, LI Shuhui, ZHU Tianxue, HUANG Jianying, CHEN Zhong, LAI Yuekun, "Bioinspired structural and functional designs towards interfacial solar steam generation for clean water production", <i>Materials Chemistry Frontiers</i> , 5(4), 18 November 2020, pp 1510-1524, doi: <a href="https://doi.org/10.1039/d0qm00766h">https://doi.org/10.1039/d0qm00766h</a> .
<b>GONG Ying</b>	#GONG Ying, SHAN Xiaobiao, HU Hong, XIE Tao, <u>YANG Zhengbao</u> , "Vortex-induced swing (VIS) motion for energy harvesters and flowmeters", <i>Applied Physics Letters</i> , 117(15), 12 October 2020, doi: <a href="https://doi.org/10.1063/5.0011899">https://doi.org/10.1063/5.0011899</a> .
<b>GU Shuai</b>	WANG Zhiqiang, #GU Shuai, CAO Lujie, KONG Long, WANG Zhenyu, #QIN Ning, LI Muqing, LUO Wen, CHEN Jingjing, WU Sisi, LIU Guiyu, YUAN Huimin, BAI Yunfei, <u>ZHANG Kaili</u> , LU Zhouguang, "Redox of Dual-Radical Intermediates in a Methylene-Linked Covalent Triazine Framework for High-Performance Lithium-Ion Batteries", <i>ACS Applied Materials and Interfaces</i> , 13(1), 16 December 2020, pp 514-521, doi: <a href="https://doi.org/10.1021/acsami.0c17692">https://doi.org/10.1021/acsami.0c17692</a> .
	GAN Qingmeng, #QIN Ning, WANG Zhenyu, LI Zhiqiang, ZHU Youhuan, LI Yingzhi, #GU Shuai, YUAN Huimin, LUO Wen, LU Li, XU Zhenghe, LU Zhouguang, "Revealing Mechanism of Li <sub>3</sub> PO <sub>4</sub> Coating Suppressed Surface Oxygen Release for Commercial Ni-Rich Layered Cathodes", <i>ACS Applied Energy Materials</i> , 3(8), 06 July 2020, pp 7445-7455, doi: <a href="https://doi.org/10.1021/acsam.0c00859">https://doi.org/10.1021/acsam.0c00859</a> .
	#HUSSAIN Iftikhar, LAMIEL Charmaine, #QIN Ning, #GU Shuai, #LI Yuxiang, <u>WU Shuilin</u> , #HUANG Xiaona, <u>ZHANG Kaili</u> , "Development of vertically aligned trimetallic Mg-Ni-Co oxide grass-like nanostructure for high-performance energy storage applications", <i>Journal of Colloid and Interface Science</i> , 582(Part B), 19 August 2020, pp 782-792, doi: <a href="https://doi.org/10.1016/j.jcis.2020.08.064">https://doi.org/10.1016/j.jcis.2020.08.064</a> .
<b>HAN Ying</b>	#HAN Ying, #ZHOU Jingzhuo, #WANG Heyi, GAO Libo, FENG Shizhe, CAO Ke, XU Zhiping, <u>LU Yang</u> , "Experimental nanomechanics of 2D materials for strain engineering", <i>Applied Nanoscience (Switzerland)</i> , 11(4), 24 February 2021, pp 1075-1091, doi: <a href="https://doi.org/10.1007/s13204-021-01702-0">https://doi.org/10.1007/s13204-021-01702-0</a> .
	CAO Ke, <u>YANG Haokun</u> , GAO Libo, #HAN Ying, FENG Jingyao, YANG Hongwei, ZHANG Haiyan, WANG Weidong, <u>LU Yang</u> , "In situ mechanical characterization of silver nanowire/graphene hybrids films for flexible electronics", <i>International Journal of Smart and Nano Materials</i> , 11(3), 13 July 2020, pp 265-276, doi: <a href="https://doi.org/10.1080/19475411.2020.1790056">https://doi.org/10.1080/19475411.2020.1790056</a> .
	GAO Libo, #HAN Ying, #SURJADI James Utama, CAO Ke, ZHOU Wenzhao, XU Hongcheng, HU Xinkang, WANG Mingzhi, FAN Kangqi, #WANG Yuejiao, WANG Weidong, ESPINOSA Horacio D., "Magnetically induced micropillar arrays for an ultrasensitive flexible sensor with a wireless recharging system", <i>Science China Materials</i> , 22 April 2021, doi: <a href="https://doi.org/10.1007/s40843-020-1637-9">https://doi.org/10.1007/s40843-020-1637-9</a> .
<b>HAO Fengqian</b>	#CHENG Lizi, <u>TANG Tao</u> , <u>YANG Haokun</u> , #HAO Fengqian, <u>WU Ge</u> , #LYU Fucong, #BU Yu, <u>ZHAO Yilu</u> , <u>ZHAO Yan</u> , <u>LIU Guo</u> , CHENG Xuan, <u>LU Jian</u> , "The Twisting of Dome-Like Metamaterial from Brittle to Ductile", <i>Advanced Science</i> , 01 May 2021, doi: <a href="https://doi.org/10.1002/adv.202002701">https://doi.org/10.1002/adv.202002701</a> .
	<u>LIU Guo</u> , <u>ZHANG Xiaofeng</u> , #CHEN Xuliang, #HE Yunhu, #CHENG Lizi, #HUO Mengke, #YIN Jianan, #HAO Fengqian, #CHEN Siyao, <u>WANG Peiyu</u> , <u>YI Shenghui</u> , #WAN Lei, #MAO Zhengyi, <u>CHEN Zhou</u> , <u>WANG Xu</u> , #CAO Zhaowenbo, <u>LU Jian</u> , "Additive manufacturing of structural materials", <i>Materials Science and Engineering R: Reports</i> , 01 April 2021, doi: <a href="https://doi.org/10.1016/j.mser.2020.100596">https://doi.org/10.1016/j.mser.2020.100596</a> .
<b>HE Yunhu</b>	<u>LIU Guo</u> , <u>ZHANG Xiaofeng</u> , #CHEN Xuliang, #HE Yunhu, #CHENG Lizi, #HUO Mengke, #YIN Jianan, #HAO Fengqian, #CHEN Siyao, <u>WANG Peiyu</u> , <u>YI Shenghui</u> , #WAN Lei, #MAO Zhengyi, <u>CHEN Zhou</u> , <u>WANG Xu</u> , #CAO Zhaowenbo, <u>LU Jian</u> , "Additive manufacturing of structural

Section A: Publications of PhD Students

	materials", <i>Materials Science and Engineering R: Reports</i> , 01 April 2021, doi: <a href="https://doi.org/10.1016/j.mser.2020.100596">https://doi.org/10.1016/j.mser.2020.100596</a> .
	<a href="#">LIU Guo</a> , <a href="#">#HE Yunhu</a> , <a href="#">LIU Pengchao</a> , <a href="#">CHEN Zhou</a> , <a href="#">#CHEN Xuliang</a> , <a href="#">#WAN Lei</a> , <a href="#">LI Ying</a> , <a href="#">LU Jian</a> , "Development of Bioimplants with 2D, 3D, and 4D Additive Manufacturing Materials", <i>Engineering</i> , 6(11), 08 October 2020, pp 1232-1243, doi: <a href="https://doi.org/10.1016/j.eng.2020.04.015">https://doi.org/10.1016/j.eng.2020.04.015</a> .
<b>HONG Ying</b>	<a href="#">#ZOU Deng</a> , <a href="#">#LIU Shiyuan</a> , <a href="#">ZHANG Chao</a> , <a href="#">#HONG Ying</a> , <a href="#">ZHANG Guangzu</a> , <a href="#">YANG Zhengbao</a> , "Flexible and translucent PZT films enhanced by the compositionally graded heterostructure for human body monitoring", <i>Nano Energy</i> , 85, 16 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.105984">https://doi.org/10.1016/j.nanoen.2021.105984</a> .
	<a href="#">#HONG Ying</a> , <a href="#">#WANG Biao</a> , <a href="#">LIN Weikang</a> , <a href="#">JIN Lihan</a> , <a href="#">#LIU Shiyuan</a> , <a href="#">LUO Xiaowei</a> , <a href="#">PAN Jia</a> , <a href="#">WANG Wenping</a> , <a href="#">YANG Zhengbao</a> , "Highly anisotropic and flexible piezoceramic kirigami for preventing joint disorders", <i>Science Advances</i> , 7(11), 12 March 2021, doi: <a href="https://doi.org/10.1126/sciadv.abf0795">https://doi.org/10.1126/sciadv.abf0795</a> .
	<a href="#">#LIU Shiyuan</a> , <a href="#">#ZHANG Zhuomin</a> , <a href="#">#SHAN Yao</a> , <a href="#">#HONG Ying</a> , <a href="#">#FAROOQUI Fatma</a> , <a href="#">#LAM Fu Shing</a> , <a href="#">LIAO Wei-Hsin</a> , <a href="#">WANG Zuankai</a> , <a href="#">YANG Zhengbao</a> , "A flexible and lead-free BCZT thin film nanogenerator for biocompatible energy harvesting", <i>Materials Chemistry Frontiers</i> , 5(12), 08 April 2021, pp 4682-4689, doi: <a href="https://doi.org/10.1039/d1qm00145k">https://doi.org/10.1039/d1qm00145k</a> .
<b>HUANG Xiaona</b>	<a href="#">LIU Ruqin</a> , <a href="#">WANG Shujuan</a> , <a href="#">#HUANG Xiaona</a> , <a href="#">WEN Yushi</a> , <a href="#">DAI Xiaogan</a> , <a href="#">WU Yanqing</a> , <a href="#">HUANG Fenglei</a> , "Effects of hot spot distance on explosive ignition and reaction growth: A reactive molecular dynamics simulation study", <i>Journal of Applied Physics</i> , 129(24), 24 June 2021, doi: <a href="https://doi.org/10.1063/5.0051209">https://doi.org/10.1063/5.0051209</a> .
	<a href="#">#HUANG Xiaona</a> , <a href="#">LI Chongyang</a> , <a href="#">TAN Kaiyuan</a> , <a href="#">WEN Yushi</a> , <a href="#">GUO Feng</a> , <a href="#">LI Ming</a> , <a href="#">HUANG Yongli</a> , <a href="#">SUN Chang Q.</a> , <a href="#">GOZIN Michael</a> , <a href="#">ZHANG Lei</a> , "Applying machine learning to balance performance and stability of high energy density materials", <i>iScience</i> , 24(3), 26 February 2021, doi: <a href="https://doi.org/10.1016/j.isci.2021.102240">https://doi.org/10.1016/j.isci.2021.102240</a> .
	<a href="#">LIN Congmei</a> , <a href="#">GONG Feiyan</a> , <a href="#">QIAN Wen</a> , <a href="#">#HUANG Xiaona</a> , <a href="#">TU Xiaoqing</a> , <a href="#">SUN Guang'ai</a> , <a href="#">BAI Liangfei</a> , <a href="#">WEN Yushi</a> , <a href="#">YANG Zhijian</a> , <a href="#">LI Jiang</a> , <a href="#">GUO Shaoyun</a> , "Tunable interfacial interaction intensity: Construction of a bio-inspired interface between polydopamine and energetic crystals", <i>Composites Science and Technology</i> , 211, 30 April 2021, doi: <a href="https://doi.org/10.1016/j.compscitech.2021.108816">https://doi.org/10.1016/j.compscitech.2021.108816</a> .
	<a href="#">#HUSSAIN Iftikhar</a> , <a href="#">LAMIEL Charmaine</a> , <a href="#">#QIN Ning</a> , <a href="#">#GU Shuai</a> , <a href="#">#LI Yuxiang</a> , <a href="#">WU Shuilin</a> , <a href="#">#HUANG Xiaona</a> , <a href="#">ZHANG Kaili</a> , "Development of vertically aligned trimetallic Mg-Ni-Co oxide grass-like nanostructure for high-performance energy storage applications", <i>Journal of Colloid and Interface Science</i> , 582(Part B), 19 August 2020, pp 782-792, doi: <a href="https://doi.org/10.1016/j.jcis.2020.08.064">https://doi.org/10.1016/j.jcis.2020.08.064</a> .
<b>HUO Mengke</b>	<a href="#">LIU Guo</a> , <a href="#">ZHANG Xiaofeng</a> , <a href="#">#CHEN Xuliang</a> , <a href="#">#HE Yunhu</a> , <a href="#">#CHENG Lizi</a> , <a href="#">#HUO Mengke</a> , <a href="#">#YIN Jianan</a> , <a href="#">#HAO Fengqian</a> , <a href="#">#CHEN Siyao</a> , <a href="#">WANG Peiyu</a> , <a href="#">YI Shenghui</a> , <a href="#">#WAN Lei</a> , <a href="#">#MAO Zhengyi</a> , <a href="#">CHEN Zhou</a> , <a href="#">WANG Xu</a> , <a href="#">#CAO Zhaowenbo</a> , <a href="#">LU Jian</a> , "Additive manufacturing of structural materials", <i>Materials Science and Engineering R: Reports</i> , 01 April 2021, doi: <a href="https://doi.org/10.1016/j.mser.2020.100596">https://doi.org/10.1016/j.mser.2020.100596</a> .
<b>HUSSAIN Iftikhar</b>	<a href="#">IQBAL Sarmad</a> , <a href="#">MADY Amr Hussein</a> , <a href="#">KIM Young-Il</a> , <a href="#">JAVED Umer</a> , <a href="#">SHAFI P. Muhammed</a> , <a href="#">NGUYEN Van Quang</a> , <a href="#">#HUSSAIN Iftikhar</a> , <a href="#">TUMA Dirk</a> , <a href="#">SHIM Jae Jin</a> , "Self-templated hollow nanospheres of B-site engineered non-stoichiometric perovskite for supercapacitive energy storage via anion-intercalation mechanism", <i>Journal of Colloid and Interface Science</i> , 600, 29 March 2021, pp 729-739, doi: <a href="https://doi.org/10.1016/j.jcis.2021.03.147">https://doi.org/10.1016/j.jcis.2021.03.147</a> .
	<a href="#">#HUSSAIN Iftikhar</a> , <a href="#">#MAK Terry</a> , <a href="#">ZHANG Kaili</a> , "Boron-Doped Trimetallic Cu-Ni-Co Oxide Nanoneedles for Supercapacitor Application", <i>ACS Applied Nano Materials</i> , 4(1), 03 January 2021, pp 129-141, doi: <a href="https://doi.org/10.1021/acsanm.0c02411">https://doi.org/10.1021/acsanm.0c02411</a> .
	<a href="#">#HUSSAIN Iftikhar</a> , <a href="#">HUSSAIN Tanveer</a> , <a href="#">LAMIEL Charmaine</a> , <a href="#">ZHANG Kaili</a> , "Turning indium oxide into high-performing electrode materials via cation substitution strategy: Preserving single crystalline cubic structure of 2D nanoflakes towards energy storage devices", <i>Journal of Power Sources</i> , 480, 07 September 2020, doi: <a href="https://doi.org/10.1016/j.jpowsour.2020.228873">https://doi.org/10.1016/j.jpowsour.2020.228873</a> .

Section A: Publications of PhD Students

	<p>JAVED Muhammad Sufyan, NAJIM Tayyba, #HUSSAIN Iftikhar, BATOOL Saima, IDREES Muhammd, MEHMOOD Ayaz, IMRAN Mohammed, ASSIRI Mohammad A., AHMAD Awais, AHMAD SHAH Syed Shoaib, "2D V<sub>2</sub>O<sub>5</sub> nanoflakes as a binder-free electrode material for high-performance pseudocapacitor", <i>Ceramics International</i>, 47(17), 29 May 2021, pp 25152-25157, doi: <a href="https://doi.org/10.1016/j.ceramint.2021.05.181">https://doi.org/10.1016/j.ceramint.2021.05.181</a>.</p> <p>SUFYAN JAVED Muhammad, IMRAN Muhammad, ASSIRI Mohammed A., #HUSSAIN Iftikhar, HUSSAIN Shahid, HUSSAIN SIYAL Sajid, SALEEM Muhammad, SHOAB AHMAD SHAH Syed, "One-step synthesis of carbon incorporated 3D MnO<sub>2</sub> nanorods as a highly efficient electrode material for pseudocapacitors", <i>Materials Letters</i>, 295, 08 April 2021, doi: <a href="https://doi.org/10.1016/j.matlet.2021.129838">https://doi.org/10.1016/j.matlet.2021.129838</a>.</p> <p>#HUSSAIN Iftikhar, HUSSAIN Tanveer, YANG Shaoran, #CHEN Yatu, #ZHOU Jun, #MA Xiaoxia, ABBAS Nadir, LAMIEL Charmaine, ZHANG Kaili, "Integration of CuO nanosheets to Zn-Ni-Co oxide nanowire arrays for energy storage applications", <i>Chemical Engineering Journal</i>, 413, 30 October 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.127570">https://doi.org/10.1016/j.cej.2020.127570</a>.</p> <p>#HUSSAIN Iftikhar, LAMIEL Charmaine, #QIN Ning, #GU Shuai, #LI Yuxiang, WU Shuilin, #HUANG Xiaona, ZHANG Kaili, "Development of vertically aligned trimetallic Mg-Ni-Co oxide grass-like nanostructure for high-performance energy storage applications", <i>Journal of Colloid and Interface Science</i>, 582(Part B), 19 August 2020, pp 782-792, doi: <a href="https://doi.org/10.1016/j.jcis.2020.08.064">https://doi.org/10.1016/j.jcis.2020.08.064</a>.</p>
JIANG Jiali	<p>JIA Zhe, #JIANG Jiali, SUN Ligang, ZHANG Lai-Chang, WANG Qing, LIANG Shun-Xing, QIN Peng, LI Dong-Feng, LU Jian, KRUSIC Jamie J., "Role of Boron in Enhancing Electron Delocalization to Improve Catalytic Activity of Fe-Based Metallic Glasses for Persulfate-Based Advanced Oxidation", <i>ACS Applied Materials &amp; Interfaces</i>, 12(40), 10 September 2020, pp 44789-44797, doi: <a href="https://doi.org/10.1021/acsami.0c13324">https://doi.org/10.1021/acsami.0c13324</a>.</p>
JIANG Xingchi	<p>#LI Yuanjie, REN Shuai, ZHANG Shiwei, #JIANG Xingchi, PAN Chin, "Subcooled flow boiling of seawater in a vertical annulus", <i>International Journal of Heat and Mass Transfer</i>, 164, 28 October 2020, doi: <a href="https://doi.org/10.1016/j.ijheatmasstransfer.2020.120591">https://doi.org/10.1016/j.ijheatmasstransfer.2020.120591</a>.</p> <p>#JIANG Xingchi, ZHANG Shiwei, #LI Yuanjie, PAN Chin, "High performance heat sink with counter flow diverging microchannels", <i>International Journal of Heat and Mass Transfer</i>, 162, 26 August 2020, doi: <a href="https://doi.org/10.1016/j.ijheatmasstransfer.2020.120344">https://doi.org/10.1016/j.ijheatmasstransfer.2020.120344</a>.</p>
JIN Yuankai	<p>LIU Minjie, DU Hanheng, #CHENG Yaqi, #ZHENG Huanxi, #JIN Yuankai, TO Suet, WANG Steven, WANG Zuankai, "Explosive Pancake Bouncing on Hot Superhydrophilic Surfaces", <i>ACS Applied Materials &amp; Interfaces</i>, 13(20), 17 May 2021, pp 24321-24328, doi: <a href="https://doi.org/10.1021/acsami.1c05867">https://doi.org/10.1021/acsami.1c05867</a>.</p> <p>#CHENG Yaqi, #WANG Mingmei, #SUN Jing, LIU Minjie, DU Bingang, LIU Yuanbo, #JIN Yuankai, WEN Rongfu, LAN Zhong, ZHOU Xiaofeng, MA Xuehu, WANG Zuankai, "Rapid and Persistent Suction Condensation on Hydrophilic Surfaces for High-Efficiency Water Collection", <i>Nano Letters</i>, 26 June 2021, doi: <a href="https://doi.org/10.1021/acs.nanolett.1c01928">https://doi.org/10.1021/acs.nanolett.1c01928</a>.</p> <p>#JIN Yuankai, #XU Wanghuai, #ZHANG Huanhuan, #ZHENG Huanxi, #CHENG Yaqi, #YAN Xiantong, #GAO Shouwei, WANG Daoai, ZI Yunlong, ZHOU Feng, WANG Zuankai, "Complete Prevention of Contact Electrification by Molecular Engineering", <i>Matter</i>, 4(1), 10 November 2020, pp 290-301, doi: <a href="https://doi.org/10.1016/j.matt.2020.10.019">https://doi.org/10.1016/j.matt.2020.10.019</a>.</p> <p>#CHENG Yaqi, LIU Yuanbo, YE Xuan, #LIU Minjie, DU Bingang, #JIN Yuankai, WEN Rongfu, LAN Zhong, WANG Zuankai, MA Xuehu, "Macrotextures-enabled self-propelling of large condensate droplets", <i>Chemical Engineering Journal</i>, 405, 06 September 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.126901">https://doi.org/10.1016/j.cej.2020.126901</a>.</p>
KHAN Shahid Ali	<p>AHMAD Shakeel, #DENG Wei, #LIU Huaqiang, #KHAN Shahid Ali, #CHEN Jingtan, ZHAO Jiyun, "Molecular dynamics simulations of nanoscale boiling on mesh-covered surfaces", <i>Applied Thermal Engineering</i>, 195, 05 June 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.117183">https://doi.org/10.1016/j.applthermaleng.2021.117183</a>.</p> <p>#EZE Chika Michael, #KHAN Shahid Ali, #LAU Kwun Ting, AHMAD Shakeel, CHEN Lin, WANG Wei, ZHAO Jiyun, "Numerical study on the heat transfer deterioration and its mitigations for supercritical CO<sub>2</sub> flowing in a horizontal miniature tube", <i>Annals of Nuclear Energy</i>, 151, 09 November 2020, doi: <a href="https://doi.org/10.1016/j.anucene.2020.107982">https://doi.org/10.1016/j.anucene.2020.107982</a>.</p> <p>#KHAN Shahid Ali, ALI Bagh, #EZE Chika Michael, #LAU Kwun Ting, ALI Liaqat, #CHEN Jingtan, ZHAO Jiyun, "Magnetic dipole and thermal radiation impacts on stagnation point flow of</p>

## Section A: Publications of PhD Students

	micropolar based nanofluids over a vertically stretching sheet: Finite element approach", <i>Processes</i> , 9(7), 23 June 2021, doi: <a href="https://doi.org/10.3390/pr9071089">https://doi.org/10.3390/pr9071089</a> .
<b>KONG Ka Wai</b>	LEUNG Yeuk-lan Alice, GUAN Binghe, CHEN Shuang, <u>CHAN Ho Yin</u> , #KONG Ka Wai, <u>LI Wen Jung</u> , SHEN Jiangang, "Artificial intelligence meets traditional Chinese medicine: a bridge to opening the magic box of sphygmopalpation for pulse pattern recognition", <i>Digital Chinese Medicine</i> , 4(1), 25 March 2021, pp 1-8, doi: <a href="https://doi.org/10.1016/j.dcm.2021.03.001">https://doi.org/10.1016/j.dcm.2021.03.001</a> . SUN Qijun, ZHAO Xin-Hua, <u>YEUNG Chi Chung</u> , <u>TIAN Qiong</u> , #KONG Ka Wai, <u>WU Wei</u> , <u>VENKATESH Shishir</u> , <u>LI Wen Jung</u> , <u>VELLAISAMY Arul Lenus Roy</u> , "Bioinspired, Self-Powered, and Highly Sensitive Electronic Skin for Sensing Static and Dynamic Pressures", <i>ACS applied materials &amp; interfaces</i> , 12(33), 11 August 2020, pp 37239-37247, doi: <a href="https://doi.org/10.1021/acsami.0c10788">https://doi.org/10.1021/acsami.0c10788</a> .
<b>LAU Kwun Ting</b>	#CHEN Jingtian, AHMAD Shakeel, #CAI Junjie, #LIU Huaqiang, #LAU Kwun Ting, ZHAO Jiyun, "Latest progress on nanotechnology aided boiling heat transfer enhancement: A review", <i>Energy</i> , 215(Part A), 20 October 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.119114">https://doi.org/10.1016/j.energy.2020.119114</a> . #SHI Yu, AHMAD Shakeel, LIU Huaqiang, #LAU Kwun Ting, ZHAO Jiyun, "Optimization of air-cooling technology for LiFePO <sub>4</sub> battery pack based on deep learning", <i>Journal of Power Sources</i> , 497, 21 April 2021, doi: <a href="https://doi.org/10.1016/j.jpowsour.2021.229894">https://doi.org/10.1016/j.jpowsour.2021.229894</a> . #EZE Chika Michael, #KHAN Shahid Ali, #LAU Kwun Ting, AHMAD Shakeel, CHEN Lin, <u>WANG Wei</u> , <u>ZHAO Jiyun</u> , "Numerical study on the heat transfer deterioration and its mitigations for supercritical CO <sub>2</sub> flowing in a horizontal miniature tube", <i>Annals of Nuclear Energy</i> , 151, 09 November 2020, doi: <a href="https://doi.org/10.1016/j.anucene.2020.107982">https://doi.org/10.1016/j.anucene.2020.107982</a> . #KHAN Shahid Ali, ALI Bagh, #EZE Chika Michael, #LAU Kwun Ting, ALI Liaqat, #CHEN Jingtian, <u>ZHAO Jiyun</u> , "Magnetic dipole and thermal radiation impacts on stagnation point flow of micropolar based nanofluids over a vertically stretching sheet: Finite element approach", <i>Processes</i> , 9(7), 23 June 2021, doi: <a href="https://doi.org/10.3390/pr9071089">https://doi.org/10.3390/pr9071089</a> .
<b>LI Haolin</b>	#LI Haolin, DAI Sheng, BHALOTHIA Dinesh, CHOU Jyh-Pin, <u>HU Alice</u> , CHEN Tsan-Yao, "Collaboration between a Pt-dimer and neighboring Co-Pd atoms triggers efficient pathways for oxygen reduction reaction", <i>Physical Chemistry Chemical Physics</i> , 23(3), 09 December 2020, pp 1822-1834, doi: <a href="https://doi.org/10.1039/d0cp05205a">https://doi.org/10.1039/d0cp05205a</a> . #LI Haolin, DAI Sheng, BHALOTHIA Dinesh, <u>HU Alice</u> , CHOU Jyh-Pin, CHEN Tsan-Yao, "Interfacial atomic Ni tetragon intercalation in a NiO <sub>2</sub> -to-Pd hetero-structure triggers superior HER activity to the Pt catalyst", <i>Journal of Materials Chemistry A</i> , 9(20), 10 March 2021, pp 12019–12028, doi: <a href="https://doi.org/10.1039/d1ta00640a">https://doi.org/10.1039/d1ta00640a</a> .
<b>LI Jing</b>	WANG Xikui, ZENG Jia, #LI Jing, YU Xinquan, <u>WANG Zuankai</u> , ZHANG Youfa, "Beetle and cactus-inspired surface endows continuous and directional droplet jumping for efficient water harvesting", <i>Journal of Materials Chemistry A</i> , 9(3), 13 November 2020, pp 1507-1516, doi: <a href="https://doi.org/10.1039/d0ta10123k">https://doi.org/10.1039/d0ta10123k</a> .
<b>LI Minfei</b>	ZHANG Mei, #XU Wanghuai, #LI Minfei, <u>LI Jiaqian</u> , WANG Peng, <u>WANG Zuankai</u> , "In situ Reduction of Silver Nanoparticles on Chitosan Hybrid Copper Phosphate Nanoflowers for Highly Efficient Plasmonic Solar-driven Interfacial Water Evaporation", <i>Journal of Bionic Engineering</i> , 18(1), 02 January 2021, pp 30-39, doi: <a href="https://doi.org/10.1007/s42235-021-0005-3">https://doi.org/10.1007/s42235-021-0005-3</a> .
<b>LI Pengyu</b>	#LONG Zhihe, WANG Xiudeng, #LI Pengyu, #WANG Biao, ZHANG Xingqi, <u>CHUNG Shu Hung Henry</u> , <u>YANG Zhengbao</u> , "Self-Powered SSDCI Array Interface for Multiple Piezoelectric Energy Harvesters", <i>IEEE Transactions on Power Electronics</i> , 36(8), 08 January 2021, pp 9093-9104, doi: <a href="https://doi.org/10.1109/TPEL.2021.3049816">https://doi.org/10.1109/TPEL.2021.3049816</a> . #LI Pengyu, #LONG Zhihe, <u>YANG Zhengbao</u> , "RF Energy Harvesting for Batteryless and Maintenance-Free Condition Monitoring of Railway Tracks", <i>IEEE Internet of Things Journal</i> , 8(5), 11 September 2020, pp 3512-3523, doi: <a href="https://doi.org/10.1109/JIOT.2020.3023475">https://doi.org/10.1109/JIOT.2020.3023475</a> .
<b>LI Song</b>	#LI Song, <u>CHOU Jyh-Pin</u> , <u>HU Alice</u> , PLENIO Martin B., UDVARHELYI Péter, THIERING Gergő, ABDI Mehdi, GALI Adam, "Giant shift upon strain on the fluorescence spectrum of V <sub>N</sub> N <sub>B</sub> color centers in <i>h</i> -BN", <i>npj Quantum Information</i> , 6, 25 September 2020, doi: <a href="https://doi.org/10.1038/s41534-020-00312-y">https://doi.org/10.1038/s41534-020-00312-y</a> .
<b>LI Xiaocui</b>	#FAN Sufeng, #LI Xiaocui, FAN Rong, <u>LU Yang</u> , "Compressive elastic behavior of single-crystalline 4H-silicon carbide (SiC) nanopillars", <i>Science China Technological Sciences</i> , 64(1), 24 August 2020, pp 37–43, doi: <a href="https://doi.org/10.1007/s11431-020-1678-6">https://doi.org/10.1007/s11431-020-1678-6</a> .

Section A: Publications of PhD Students

	<p>#DANG Chaoqun, #LIN Weitong, MENG Fanling, ZHANG Hongti, #FAN Sufeng, #LI Xiaocui, CAO Ke, YANG Haokun, ZHOU Wenzhao, FAN Zhengjie, KAI Ji-jung, LU Yang, "Enhanced tensile ductility of tungsten microwires via high-density dislocations and reduced grain boundaries", <i>Journal of Materials Science and Technology</i>, 95, 01 June 2021, pp 193-202, doi: <a href="https://doi.org/10.1016/j.jmst.2021.04.021">https://doi.org/10.1016/j.jmst.2021.04.021</a>.</p> <p>LI Jingwei, #LI Xiaocui, SUI Manling, "Formation mechanism of hydride precipitation in commercially pure titanium", <i>Journal of Materials Science and Technology</i>, 81, 05 January 2021, pp 108-116, doi: <a href="https://doi.org/10.1016/j.jmst.2021.01.009">https://doi.org/10.1016/j.jmst.2021.01.009</a>.</p> <p>#FENG Xiaobin, #SURJADI James Utama, FAN Rong, #LI Xiaocui, ZHOU Wenzhao, ZHAO Shijun, LU Yang, "Microalloyed medium-entropy alloy (MEA) composite nanolattices with ultrahigh toughness and cyclability", <i>Materials Today</i>, 42, 04 November 2020, pp 10-16, doi: <a href="https://doi.org/10.1016/j.mattod.2020.10.003">https://doi.org/10.1016/j.mattod.2020.10.003</a>.</p> <p>#FAN Sufeng, #LI Xiaocui, FAN Rong, LU Yang, "Size-dependent fracture behavior of GaN pillars under room temperature compression", <i>Nanoscale</i>, 12(45), 26 October 2020, pp 23241-23247, doi: <a href="https://doi.org/10.1039/d0nr05400c">https://doi.org/10.1039/d0nr05400c</a>.</p> <p>#SURJADI James Utama, #FENG Xiaobin, FAN Rong, #LIN Weitong, #LI Xiaocui, LU Yang, "Hollow medium-entropy alloy nanolattices with ultrahigh energy absorption and resilience", <i>NPG Asia Materials</i>, 13, 16 April 2021, doi: <a href="https://doi.org/10.1038/s41427-021-00306-y">https://doi.org/10.1038/s41427-021-00306-y</a>.</p> <p>#LI Xiaocui, #MENG You, FAN Rong, #FAN Sufeng, #DANG Chaoqun, #FENG Xiaobin, HO Johnny Chung Yin, LU Yang, "High elasticity of CsPbBr<sub>3</sub> perovskite nanowires for flexible electronics", <i>Nano Research</i>, 03 March 2021, doi: <a href="https://doi.org/10.1007/s12274-021-3332-0">https://doi.org/10.1007/s12274-021-3332-0</a>.</p> <p>#KANG Tianxing, #TAN Jihua, #LI Xiaocui, #LIANG Jianli, WANG Hui, #SHEN Dong, #WU Yan, #HUANG Zhongming, LU Yang, TONG Zhongqiu, LEE Chun Sing, "Armoring SiO<sub>x</sub> with a conformal LiF layer to boost lithium storage", <i>Journal of Materials Chemistry A</i>, 9(12), 19 February 2021, pp 7807-7816, doi: <a href="https://doi.org/10.1039/d0ta12508c">https://doi.org/10.1039/d0ta12508c</a>.</p>
LI Yuanjie	<p>#LI Yuanjie, REN Shuai, ZHANG Shiwei, #JIANG Xingchi, PAN Chin, "Subcooled flow boiling of seawater in a vertical annulus", <i>International Journal of Heat and Mass Transfer</i>, 164, 28 October 2020, doi: <a href="https://doi.org/10.1016/j.ijheatmasstransfer.2020.120591">https://doi.org/10.1016/j.ijheatmasstransfer.2020.120591</a>.</p> <p>#JIANG Xingchi, ZHANG Shiwei, #LI Yuanjie, PAN Chin, "High performance heat sink with counter flow diverging microchannels", <i>International Journal of Heat and Mass Transfer</i>, 162, 26 August 2020, doi: <a href="https://doi.org/10.1016/j.ijheatmasstransfer.2020.120344">https://doi.org/10.1016/j.ijheatmasstransfer.2020.120344</a>.</p>
LI Yuchao	<p>LI Jiaqian, #LI Yuchao, #ZHENG Huanxi, LIU Minjie, GU Haojie, LU Keyu, ZHOU Xiaofeng, WANG Zuankai, "Strengthening unidirectional liquid pumping using multi-biomimetic structures", <i>Extreme Mechanics Letters</i>, 43, 13 December 2020, doi: <a href="https://doi.org/10.1016/j.eml.2020.101144">https://doi.org/10.1016/j.eml.2020.101144</a>.</p> <p>#LI Yuchao, KONG Fengyu, WANG Bin, ZHAO Yanhua, WANG Zuankai, "Preparation of shape-controlling VO<sub>2</sub>(M/R) nanoparticles via one-step hydrothermal synthesis", <i>Frontiers of Optoelectronics</i>, 02 July 2020, doi: <a href="https://doi.org/10.1007/s12200-020-1006-2">https://doi.org/10.1007/s12200-020-1006-2</a>.</p>
LI Yuxiang	<p>#HUSSAIN Iftikhar, LAMIEL Charmaine, #QIN Ning, #GU Shuai, #LI Yuxiang, WU Shuilin, #HUANG Xiaona, ZHANG Kaili, "Development of vertically aligned trimetallic Mg-Ni-Co oxide grass-like nanostructure for high-performance energy storage applications", <i>Journal of Colloid and Interface Science</i>, 582(Part B), 19 August 2020, pp 782-792, doi: <a href="https://doi.org/10.1016/j.jcis.2020.08.064">https://doi.org/10.1016/j.jcis.2020.08.064</a>.</p>
LIN Weitong	<p>HE Feng, YANG Zhongsheng, #LIU Shaofei, CHEN Da, #LIN Weitong, YANG Tao, WEI Daixiu, WANG Zhijun, WANG Jun, KAI Ji-jung, "Strain partitioning enables excellent tensile ductility in precipitated heterogeneous high-entropy alloys with gigapascal yield strength", <i>International Journal of Plasticity</i>, 144, 03 June 2021, doi: <a href="https://doi.org/10.1016/j.ijplas.2021.103022">https://doi.org/10.1016/j.ijplas.2021.103022</a>.</p> <p>YELI Guma, CHEN Da, YABUUCHI Kiyohiro, KIMURA Akihiko, #LIU Shaofei, #LIN Weitong, ZHAO Yilu, ZHAO Shijun, KAI Ji-jung, "The stability of <math>\psi'</math> precipitates in a multi-component FeCoNiCrTi<sub>0.2</sub> alloy under elevated-temperature irradiation", <i>Journal of Nuclear Materials</i>, 540, 15 July 2020, doi: <a href="https://doi.org/10.1016/j.jnucmat.2020.152364">https://doi.org/10.1016/j.jnucmat.2020.152364</a>.</p> <p>#XIAO Ran, LI Xiang, #JIA Huaiyuan, #SURJADI James Utama, LI Jingqi, #LIN Weitong, GAO Libo, CHIRARATTANANON Pakpong, LU Yang, "3D printing of dual phase-strengthened</p>

Section A: Publications of PhD Students

	<p>microlattices for lightweight micro aerial vehicles", <i>Materials and Design</i>, 206, 28 April 2021, doi: <a href="https://doi.org/10.1016/j.matdes.2021.109767">https://doi.org/10.1016/j.matdes.2021.109767</a>.</p> <p>#<a href="#">DANG Chaogun</a>, #<a href="#">LIN Weitong</a>, MENG Fanling, ZHANG Hongti, #<a href="#">FAN Sufeng</a>, #<a href="#">LI Xiaocui</a>, <a href="#">CAO Ke</a>, <a href="#">YANG Haokun</a>, ZHOU Wenzhao, FAN Zhengjie, <a href="#">KAI Ji-jung</a>, <a href="#">LU Yang</a>, "Enhanced tensile ductility of tungsten microwires via high-density dislocations and reduced grain boundaries", <i>Journal of Materials Science and Technology</i>, 95, 01 June 2021, pp 193-202, doi: <a href="https://doi.org/10.1016/j.jmst.2021.04.021">https://doi.org/10.1016/j.jmst.2021.04.021</a>.</p> <p>#<a href="#">DANG Chaogun</a>, <a href="#">CHOU Jyh-Pin</a>, DAI Bing, CHOU Chang-Ti, YANG Yang, <a href="#">FAN Rong</a>, #<a href="#">LIN Weitong</a>, MENG Fanling, <a href="#">HU Alice</a>, ZHU Jiaqi, HAN Jiecai, MINOR Andrew M., LI Ju, <a href="#">LU Yang</a>, "Achieving large uniform tensile elasticity in microfabricated diamond", <i>Science</i>, 371(6524), 01 January 2021, pp 76-78, doi: <a href="https://doi.org/10.1126/science.abc4174">https://doi.org/10.1126/science.abc4174</a>.</p> <p>#<a href="#">LIU Shaofei</a>, <a href="#">CHEN Da</a>, <a href="#">ZHAO Shijun</a>, #<a href="#">LIN Weitong</a>, MENG Fanling, <a href="#">ZHAO Ying</a>, <a href="#">YELI Guma</a>, <a href="#">HE Feng</a>, <a href="#">LI Yiran</a>, NIU Huan, <a href="#">KAI Ji-jung</a>, "Temperature-dependent helium induced microstructural evolution in equiatomic NiCo and NiFe concentrated solid solution alloys", <i>Journal of Nuclear Materials</i>, 545, 04 December 2020, doi: <a href="https://doi.org/10.1016/j.jnucmat.2020.152715">https://doi.org/10.1016/j.jnucmat.2020.152715</a>.</p> <p><a href="#">KAI W.</a>, <a href="#">LIN H. C.</a>, <a href="#">CHENG F. P.</a>, <a href="#">HSIEH H. H.</a>, #<a href="#">LIN Weitong</a>, <a href="#">CHEN Da</a>, <a href="#">KAI Ji-jung</a>, "Effect of oxygen pressure on the oxidation behavior of NiCoCr medium-entropy alloy at 800 °C", <i>Corrosion Science</i>, 185, 19 March 2021, doi: <a href="https://doi.org/10.1016/j.corsci.2021.109411">https://doi.org/10.1016/j.corsci.2021.109411</a>.</p> <p>#<a href="#">SURJADI James Utama</a>, #<a href="#">FENG Xiaobin</a>, <a href="#">FAN Rong</a>, #<a href="#">LIN Weitong</a>, #<a href="#">LI Xiaocui</a>, <a href="#">LU Yang</a>, "Hollow medium-entropy alloy nanolattices with ultrahigh energy absorption and resilience", <i>NPG Asia Materials</i>, 13, 16 April 2021, doi: <a href="https://doi.org/10.1038/s41427-021-00306-y">https://doi.org/10.1038/s41427-021-00306-y</a>.</p> <p><a href="#">CHEN Da</a>, <a href="#">ZHAO Shijun</a>, SUN Jianrong, TAI Pengfei, SHENG Yanbin, <a href="#">YELI Guma</a>, <a href="#">ZHAO Yilu</a>, #<a href="#">LIU Shaofei</a>, #<a href="#">LIN Weitong</a>, <a href="#">KAI Wu</a>, <a href="#">KAI Ji-jung</a>, "Effects of minor alloying addition on He bubble formation in the irradiated FeCoNiCr-based high-entropy alloys", <i>Journal of Nuclear Materials</i>, 542, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.jnucmat.2020.152458">https://doi.org/10.1016/j.jnucmat.2020.152458</a>.</p> <p>#<a href="#">LIN Weitong</a>, <a href="#">CHEN Da</a>, #<a href="#">DANG Chaogun</a>, <a href="#">YU P. J.</a>, <a href="#">WANG G.</a>, <a href="#">LIN J. H.</a>, <a href="#">MENG F. L.</a>, <a href="#">YANG Tao</a>, <a href="#">ZHAO Ying</a>, #<a href="#">LIU Shaofei</a>, <a href="#">DU J. P.</a>, <a href="#">YELI Guma</a>, <a href="#">LIU Chain Tsuan</a>, <a href="#">LU Yang</a>, <a href="#">OGATA Shigenobu</a>, <a href="#">KAI Ji-jung</a>, "Highly pressurized helium nanobubbles promote stacking-fault-mediated deformation in FeNiCoCr high-entropy alloy", <i>Acta Materialia</i>, 210, 27 March 2021, doi: <a href="https://doi.org/10.1016/j.actamat.2021.116843">https://doi.org/10.1016/j.actamat.2021.116843</a>.</p>
<b>LING Chen</b>	<p><a href="#">JIAO Yiran</a>, #<a href="#">LING Chen</a>, <a href="#">WANG Jie-Xin</a>, <a href="#">AMANICO Honeyfer</a>, <a href="#">SACZEK Joshua</a>, <a href="#">WANG Haoyu</a>, <a href="#">SRIDHAR Sreepathy</a>, <a href="#">XU Ben Bin</a>, <a href="#">WANG Steven</a>, <a href="#">WANG Dan</a>, "Controllable Synthesis of Upconversion Nanophosphors toward Scale-Up Productions", <i>Particle and Particle Systems Characterization</i>, 37(9), 16 August 2020, doi: <a href="https://doi.org/10.1002/ppsc.202000129">https://doi.org/10.1002/ppsc.202000129</a>.</p> <p><a href="#">ZHAO Zhijian</a>, #<a href="#">LING Chen</a>, <a href="#">WANG Dan</a>, <a href="#">WANG Jie-Xin</a>, <a href="#">SACZEK Joshua</a>, <a href="#">PRAMANA Stevin</a>, <a href="#">SRIDHAR Sreepathy</a>, <a href="#">SHANG Jin</a>, <a href="#">XU Ben B.</a>, <a href="#">TSANG Daniel C. W.</a>, <a href="#">CHEN Jian-Feng</a>, <a href="#">WANG Steven</a>, "Liquid Marbles in Liquid", <i>Small</i>, 16(37), 14 August 2020, doi: <a href="https://doi.org/10.1002/smll.202002802">https://doi.org/10.1002/smll.202002802</a>.</p>
<b>LIU Fayu</b>	<p>#<a href="#">LIU Fayu</a>, <a href="#">ZHANG Xiaoying</a>, <a href="#">CHEN Jiayue</a>, <a href="#">CHEN Huandong</a>, <a href="#">YUAN Yuan</a>, "Analysis of coupled flow and heat transfer in primary and secondary sides of helical coil Once-through steam generator", <i>Annals of Nuclear Energy</i>, 153, 28 December 2020, doi: <a href="https://doi.org/10.1016/j.anucene.2020.108069">https://doi.org/10.1016/j.anucene.2020.108069</a>.</p>
<b>LIU Huaqiang</b>	<p>#<a href="#">LIU Huaqiang</a>, <a href="#">AHMAD Shakeel</a>, #<a href="#">SHI Yu</a>, <a href="#">ZHAO Jiyun</a>, "A parametric study of a hybrid battery thermal management system that couples PCM/copper foam composite with helical liquid channel cooling", <i>Energy</i>, 231, 18 May 2021, doi: <a href="https://doi.org/10.1016/j.energy.2021.120869">https://doi.org/10.1016/j.energy.2021.120869</a>.</p> <p>#<a href="#">CHEN Jingtan</a>, <a href="#">AHMAD Shakeel</a>, #<a href="#">CAI Junjie</a>, #<a href="#">LIU Huaqiang</a>, #<a href="#">LAU Kwun Ting</a>, <a href="#">ZHAO Jiyun</a>, "Latest progress on nanotechnology aided boiling heat transfer enhancement: A review", <i>Energy</i>, 215(Part A), 20 October 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.119114">https://doi.org/10.1016/j.energy.2020.119114</a>.</p> <p><a href="#">AHMAD Shakeel</a>, #<a href="#">LIU Huaqiang</a>, #<a href="#">SHI Yu</a>, #<a href="#">CHEN Jingtan</a>, <a href="#">ZHAO Jiyun</a>, "The study of nucleation site interactions on the mixed wettability rough surface", <i>International Communications in Heat and Mass Transfer</i>, 126, 31 May 2021, doi: <a href="https://doi.org/10.1016/j.icheatmasstransfer.2021.105372">https://doi.org/10.1016/j.icheatmasstransfer.2021.105372</a>.</p>



Section A: Publications of PhD Students

	<p><u>AHMAD Shakeel</u>, <u>#DENG Wei</u>, <u>#LIU Huaqiang</u>, <u>#KHAN Shahid Ali</u>, <u>#CHEN Jingtian</u>, <u>ZHAO Jiyun</u>, "Molecular dynamics simulations of nanoscale boiling on mesh-covered surfaces", <i>Applied Thermal Engineering</i>, 195, 05 June 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.117183">https://doi.org/10.1016/j.applthermaleng.2021.117183</a>.</p> <p><u>AHMAD Shakeel</u>, <u>#EZE Chika Michael</u>, <u>#LIU Huaqiang</u>, <u>ZHAO Jiyun</u>, "Lattice Boltzmann study of bubble dynamics and heat transfer on a hybrid rough surface with a cavity-pillar structure", <i>International Communications in Heat and Mass Transfer</i>, 119, 16 November 2020, doi: <a href="https://doi.org/10.1016/j.icheatmasstransfer.2020.104896">https://doi.org/10.1016/j.icheatmasstransfer.2020.104896</a>.</p> <p><u>#LIU Huaqiang</u>, <u>AHMAD Shakeel</u>, <u>#CHEN Jingtian</u>, <u>ZHAO Jiyun</u>, "Molecular dynamics study of the nanoscale boiling heat transfer process on nanostructured surfaces", <i>International Communications in Heat and Mass Transfer</i>, 119, 16 October 2020, doi: <a href="https://doi.org/10.1016/j.icheatmasstransfer.2020.104963">https://doi.org/10.1016/j.icheatmasstransfer.2020.104963</a>.</p>
<b>LIU Jian</b>	<p><u>#XIA Fan</u>, <u>ZHAO Jiyun</u>, <u>#CAI Junjie</u>, <u>#LIU Jian</u>, "Dynamic cost analysis for disposal of low and intermediate level nuclear waste in China", <i>Annals of Nuclear Energy</i>, 154, 06 January 2021, doi: <a href="https://doi.org/10.1016/j.anucene.2020.108097">https://doi.org/10.1016/j.anucene.2020.108097</a>.</p>
<b>LIU Meng</b>	<p><u>#LIU Meng</u>, <u>Li You Fu</u>, <u>LIU Hai</u>, "Robust 3-D Gaze Estimation via Data Optimization and Saliency Aggregation for Mobile Eye-Tracking Systems", <i>IEEE Transactions on Instrumentation and Measurement</i>, 70, 17 March 2021, doi: <a href="https://doi.org/10.1109/TIM.2021.3065437">https://doi.org/10.1109/TIM.2021.3065437</a>.</p>
<b>LIU Minjie</b>	<p><u>#CHENG Yaqi</u>, <u>LIU Yuanbo</u>, <u>YE Xuan</u>, <u>#LIU Minjie</u>, <u>DU Bingang</u>, <u>#JIN Yuankai</u>, <u>WEN Rongfu</u>, <u>LAN Zhong</u>, <u>WANG Zuankai</u>, <u>MA Xuehu</u>, "Macrotextures-enabled self-propelling of large condensate droplets", <i>Chemical Engineering Journal</i>, 405, 06 September 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.126901">https://doi.org/10.1016/j.cej.2020.126901</a>.</p>
<b>LIU Rui</b>	<p><u>#LIU Rui</u>, <u>#WANG Mingmei</u>, <u>#WANG Min</u>, <u>YIN Jiaqin</u>, <u>YUAN Yixuan</u>, <u>LIU Jun</u>, "Automatic Microscopy Analysis with Transfer Learning for Classification of Human Sperm", <i>Applied Sciences (Switzerland)</i>, 11(12), 09 June 2021, doi: <a href="https://doi.org/10.3390/app11125369">https://doi.org/10.3390/app11125369</a>.</p>
<b>LIU Shaofei</b>	<p><u>HE Feng</u>, <u>YANG Zhongsheng</u>, <u>#LIU Shaofei</u>, <u>CHEN Da</u>, <u>#LIN Weitong</u>, <u>YANG Tao</u>, <u>WEI Daixiu</u>, <u>WANG Zhijun</u>, <u>WANG Jun</u>, <u>KAI Ji-jung</u>, "Strain partitioning enables excellent tensile ductility in precipitated heterogeneous high-entropy alloys with gigapascal yield strength", <i>International Journal of Plasticity</i>, 144, 03 June 2021, doi: <a href="https://doi.org/10.1016/j.ijplas.2021.103022">https://doi.org/10.1016/j.ijplas.2021.103022</a>.</p> <p><u>YELI Guma</u>, <u>CHEN Da</u>, <u>YABUUCHI Kiyohiro</u>, <u>KIMURA Akihiko</u>, <u>#LIU Shaofei</u>, <u>#LIN Weitong</u>, <u>ZHAO Yilu</u>, <u>ZHAO Shijun</u>, <u>KAI Ji-jung</u>, "The stability of <math>\psi'</math> precipitates in a multi-component FeCoNiCrTi<sub>0.2</sub> alloy under elevated-temperature irradiation", <i>Journal of Nuclear Materials</i>, 540, 15 July 2020, doi: <a href="https://doi.org/10.1016/j.jnucmat.2020.152364">https://doi.org/10.1016/j.jnucmat.2020.152364</a>.</p> <p><u>WU Ge</u>, <u>BALACHANDRAN Shanoob</u>, <u>GAULT Baptiste</u>, <u>XIA Wenzhen</u>, <u>LIU Chang</u>, <u>RAO Ziyuan</u>, <u>WEI Ye</u>, <u>#LIU Shaofei</u>, <u>LU Jian</u>, <u>HERBIG Michael</u>, <u>LU Wenjun</u>, <u>DEHM Gerhard</u>, <u>LI Zhiming</u>, <u>RAABE Dierk</u>, "Crystal–Glass High-Entropy Nanocomposites with Near Theoretical Compressive Strength and Large Deformability", <i>Advanced Materials</i>, 32(34), 19 July 2020, doi: <a href="https://doi.org/10.1002/adma.202002619">https://doi.org/10.1002/adma.202002619</a>.</p> <p><u>#LIU Shaofei</u>, <u>CHEN Da</u>, <u>ZHAO Shijun</u>, <u>#LIN Weitong</u>, <u>MENG Fanling</u>, <u>ZHAO Ying</u>, <u>YELI Guma</u>, <u>HE Feng</u>, <u>LI Yiran</u>, <u>NIU Huan</u>, <u>KAI Ji-jung</u>, "Temperature-dependent helium induced microstructural evolution in equiatomic NiCo and NiFe concentrated solid solution alloys", <i>Journal of Nuclear Materials</i>, 545, 04 December 2020, doi: <a href="https://doi.org/10.1016/j.jnucmat.2020.152715">https://doi.org/10.1016/j.jnucmat.2020.152715</a>.</p> <p><u>CHEN Da</u>, <u>ZHAO Shijun</u>, <u>SUN Jianrong</u>, <u>TAI Pengfei</u>, <u>SHENG Yanbin</u>, <u>YELI Guma</u>, <u>ZHAO Yilu</u>, <u>#LIU Shaofei</u>, <u>#LIN Weitong</u>, <u>KAI Wu</u>, <u>KAI Ji-jung</u>, "Effects of minor alloying addition on He bubble formation in the irradiated FeCoNiCr-based high-entropy alloys", <i>Journal of Nuclear Materials</i>, 542, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.jnucmat.2020.152458">https://doi.org/10.1016/j.jnucmat.2020.152458</a>.</p> <p><u>#LIN Weitong</u>, <u>CHEN Da</u>, <u>#DANG Chaoqun</u>, <u>YU P. J.</u>, <u>WANG G.</u>, <u>LIN J. H.</u>, <u>MENG F. L.</u>, <u>YANG Tao</u>, <u>ZHAO Ying</u>, <u>#LIU Shaofei</u>, <u>DU J. P.</u>, <u>YELI Guma</u>, <u>LIU Chain Tsuan</u>, <u>LU Yang</u>, <u>OGATA Shigenobu</u>, <u>KAI Ji-jung</u>, "Highly pressurized helium nanobubbles promote stacking-fault-mediated deformation in FeNiCoCr high-entropy alloy", <i>Acta Materialia</i>, 210, 27 March 2021, doi: <a href="https://doi.org/10.1016/j.actamat.2021.116843">https://doi.org/10.1016/j.actamat.2021.116843</a>.</p>

## Section A: Publications of PhD Students

<b>LIU Shiyuan</b>	#LIU Yiming, #ZHENG Huanxi, #ZHAO Ling, #LIU Shiyuan, #YAO Kuanming, LI Dengfeng, #YIU Chun Ki, GAO Shenghan, AVILA Raudel, CHIRARATTANANON Pakpong, CHANG Lingqian, WANG Zuankai, HUANG Xian, XIE Zhaoqian, YANG Zhengbao, YU Xinge, "Electronic Skin from High-Throughput Fabrication of Intrinsically Stretchable Lead Zirconate Titanate Elastomer", <i>Research</i> , 2020, 17 October 2020, doi: <a href="https://doi.org/10.34133/2020/1085417">https://doi.org/10.34133/2020/1085417</a> .
	#LIU Shiyuan, #ZOU Deng, YU Xinge, WANG Zuankai, YANG Zhengbao, "Transfer-Free PZT Thin Films for Flexible Nanogenerators Derived from a Single-Step Modified Sol-Gel Process on 2D Mica", <i>ACS Applied Materials and Interfaces</i> , 12(49), 25 November 2020, pp 54991–54999, doi: <a href="https://doi.org/10.1021/acsami.0c16973">https://doi.org/10.1021/acsami.0c16973</a> .
	#ZOU Deng, #LIU Shiyuan, ZHANG Chao, #HONG Ying, ZHANG Guangzu, YANG Zhengbao, "Flexible and translucent PZT films enhanced by the compositionally graded heterostructure for human body monitoring", <i>Nano Energy</i> , 85, 16 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.105984">https://doi.org/10.1016/j.nanoen.2021.105984</a> .
	#HONG Ying, #WANG Biao, LIN Weikang, JIN Lihan, #LIU Shiyuan, LUO Xiaowei, PAN Jia, WANG Wenping, YANG Zhengbao, "Highly anisotropic and flexible piezoceramic kirigami for preventing joint disorders", <i>Science Advances</i> , 7(11), 12 March 2021, doi: <a href="https://doi.org/10.1126/sciadv.abf0795">https://doi.org/10.1126/sciadv.abf0795</a> .
	#LIU Shiyuan, #ZHANG Zhuomin, #SHAN Yao, #HONG Ying, #FAROOQUI Fatma, #LAM Fu Shing, LIAO Wei-Hsin, WANG Zuankai, YANG Zhengbao, "A flexible and lead-free BCZT thin film nanogenerator for biocompatible energy harvesting", <i>Materials Chemistry Frontiers</i> , 5(12), 08 April 2021, pp 4682-4689, doi: <a href="https://doi.org/10.1039/d1qm00145k">https://doi.org/10.1039/d1qm00145k</a> .
<b>LONG Zhihe</b>	ZHOU Liguu, FENG Quanyuan, #LONG Zhihe, LI Yongwei, "Ultra-wide stopband HTS LPF with closed-loop cross-coupled microstrip structure", <i>AEU - International Journal of Electronics and Communications</i> , 135, 05 April 2021, doi: <a href="https://doi.org/10.1016/j.aeue.2021.153736">https://doi.org/10.1016/j.aeue.2021.153736</a> .
	ZHOU Liguu, #LONG Zhihe, FENG Quanyuan, DI Zhixiong, "Miniaturized ultra-narrowband HTS linear phase filter with CQ units sharing quarter-wavelength resonators", <i>Superconductor Science and Technology</i> , 34(2), 12 January 2021, doi: <a href="https://doi.org/10.1088/1361-6668/abc7f4">https://doi.org/10.1088/1361-6668/abc7f4</a> .
	#LONG Zhihe, WANG Xiudeng, #LI Pengyu, #WANG Biao, ZHANG Xingqi, CHUNG Shu Hung Henry, YANG Zhengbao, "Self-Powered SSDCI Array Interface for Multiple Piezoelectric Energy Harvesters", <i>IEEE Transactions on Power Electronics</i> , 36(8), 08 January 2021, pp 9093-9104, doi: <a href="https://doi.org/10.1109/TPEL.2021.3049816">https://doi.org/10.1109/TPEL.2021.3049816</a> .
	#LI Pengyu, #LONG Zhihe, YANG Zhengbao, "RF Energy Harvesting for Batteryless and Maintenance-Free Condition Monitoring of Railway Tracks", <i>IEEE Internet of Things Journal</i> , 8(5), 11 September 2020, pp 3512-3523, doi: <a href="https://doi.org/10.1109/JIOT.2020.3023475">https://doi.org/10.1109/JIOT.2020.3023475</a> .
	TIAN Mingen, #LONG Zhihe, LAN You, HE Leilei, ZHANG Tianliang, "Design of sextuple-mode triple-ring HTS UWB filter using two-round interpolation", <i>Chinese Physics B</i> , 30(5), 04 January 2021, doi: <a href="https://doi.org/10.1088/1674-1056/abd7e1">https://doi.org/10.1088/1674-1056/abd7e1</a> .
<b>LYU Fucong</b>	OU Weihui, #SHEN Junda, #LYU Fucong, #XIAO Xufen, ZHOU Binbin, LU Jian, LI Yangyang, "Facile Surfactant-, Reductant-, and Ag Salt-free Growth of Ag Nanoparticles with Controllable Size from 35 to 660 nm on Bulk Ag Materials", <i>Chemistry—An Asian Journal</i> , 07 June 2021, doi: <a href="https://doi.org/10.1002/asia.202100384">https://doi.org/10.1002/asia.202100384</a> .
	#CHENG Lizi, TANG Tao, YANG Haokun, #HAO Fengqian, WU Ge, #LYU Fucong, #BU Yu, ZHAO Yilu, ZHAO Yan, LIU Guo, CHENG Xuan, LU Jian, "The Twisting of Dome-Like Metamaterial from Brittle to Ductile", <i>Advanced Science</i> , 01 May 2021, doi: <a href="https://doi.org/10.1002/advs.202002701">https://doi.org/10.1002/advs.202002701</a> .
	BIAN Haidong, #LI Zebiao, #PAN Jie, #LYU Fucong, #XIAO Xufen, TANG Jiaoning, SCHMUKI Patrik, LIU Chen, LU Jian, LI Yangyang, "Anodic self-assembly method for synthesizing hierarchical FeS/FeO <sub>x</sub> hollow nanospheres", <i>Journal of Power Sources</i> , 484, 01 December 2020, doi: <a href="https://doi.org/10.1016/j.jpowsour.2020.229268">https://doi.org/10.1016/j.jpowsour.2020.229268</a> .
<b>MA Xiaoxia</b>	#MA Xiaoxia, CHAN Shing-Yam, #ZHOU Jun, #CHEN Yatu, YANG Guangcheng, ZHANG Kaili, "Graphene Oxide Induced Nanoscale Energetic Coordination Polymer with Self-sustaining Combustion Ability", <i>Energetic Materials Frontiers</i> , 1(2), September 2020, pp 51-58, doi: <a href="https://doi.org/10.1016/j.enmf.2020.09.006">https://doi.org/10.1016/j.enmf.2020.09.006</a> .
	#HUSSAIN Iftikhar, HUSSAIN Tanveer, YANG Shaoran, #CHEN Yatu, #ZHOU Jun, #MA Xiaoxia, ABBAS Nadir, LAMIEL Charmaine, ZHANG Kaili, "Integration of CuO nanosheets to Zn-Ni-Co

## Section A: Publications of PhD Students

	oxide nanowire arrays for energy storage applications", <i>Chemical Engineering Journal</i> , 413, 30 October 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.127570">https://doi.org/10.1016/j.cej.2020.127570</a> .
	# <a href="#">XIE Shangzhen</a> , # <a href="#">MA Xiaoxia</a> , <a href="#">KONG Hao Jie</a> , # <a href="#">BAI Songnan</a> , <a href="#">JIANG Mengnan</a> , <a href="#">ZHAO Jiyun</a> , "The synergetic effects of the surface wettability and the patterned nanostructure on boiling heat transfer enhancement", <i>International Journal of Heat and Mass Transfer</i> , 176, 26 May 2021, doi: <a href="https://doi.org/10.1016/j.ijheatmasstransfer.2021.121475">https://doi.org/10.1016/j.ijheatmasstransfer.2021.121475</a> .
<b>MAO Zhengyi</b>	<a href="#">LIU Guo</a> , <a href="#">ZHANG Xiaofeng</a> , # <a href="#">CHEN Xuliang</a> , # <a href="#">HE Yunhu</a> , # <a href="#">CHENG Lizi</a> , # <a href="#">HUO Mengke</a> , # <a href="#">YIN Jianan</a> , # <a href="#">HAO Fengqian</a> , # <a href="#">CHEN Siyao</a> , <a href="#">WANG Peiyu</a> , <a href="#">YI Shenghui</a> , # <a href="#">WAN Lei</a> , # <a href="#">MAO Zhengyi</a> , <a href="#">CHEN Zhou</a> , <a href="#">WANG Xu</a> , # <a href="#">CAO Zhaowenbo</a> , <a href="#">LU Jian</a> , "Additive manufacturing of structural materials", <i>Materials Science and Engineering R: Reports</i> , 01 April 2021, doi: <a href="https://doi.org/10.1016/j.mser.2020.100596">https://doi.org/10.1016/j.mser.2020.100596</a> .
<b>OLUGBADE Temitope Olumide</b>	# <a href="#">OLUGBADE Temitope Olumide</a> , "Electrochemical Characterization of the Corrosion of Mild Steel in Saline Following Mechanical Deformation", <i>Analytical Letters</i> , 18 July 2020, doi: <a href="https://doi.org/10.1080/00032719.2020.1793994">https://doi.org/10.1080/00032719.2020.1793994</a> .
<b>PAN Lulu</b>	<a href="#">JIAO Yanan</a> , <a href="#">YI Shenghui</a> , <a href="#">WANG Hanwen</a> , <a href="#">LI Bing</a> , <a href="#">HAO Weizhong</a> , # <a href="#">PAN Lulu</a> , <a href="#">SHI Yan</a> , <a href="#">LI Xiangyu</a> , <a href="#">LIU Pengfei</a> , <a href="#">ZHANG He</a> , <a href="#">GAO Cunfa</a> , <a href="#">ZHAO Jinjin</a> , <a href="#">LU Jian</a> , "Strain Engineering of Metal Halide Perovskites on Coupling Anisotropic Behaviors", <i>Advanced Functional Materials</i> , 31(4), 02 October 2020, doi: <a href="https://doi.org/10.1002/adfm.202006243">https://doi.org/10.1002/adfm.202006243</a> .
<b>PARK Minhyuk</b>	# <a href="#">WANG Tianyu</a> , # <a href="#">PARK Minhyuk</a> , <a href="#">YU Qing</a> , # <a href="#">ZHANG Jingyang</a> , <a href="#">YANG Yong</a> , "Stability and synthesis of 2D metals and alloys: a review", <i>Materials Today Advances</i> , 8, 04 July 2020, doi: <a href="https://doi.org/10.1016/j.mtadv.2020.100092">https://doi.org/10.1016/j.mtadv.2020.100092</a> .
	<a href="#">YU Qing</a> , # <a href="#">ZHANG Jingyang</a> , # <a href="#">WANG Tianyu</a> , # <a href="#">PARK Minhyuk</a> , <a href="#">DONG Hongliang</a> , <a href="#">CHEN Songyi</a> , <a href="#">ZHANG Xin</a> , <a href="#">GUO Songhao</a> , <a href="#">LI Yangyang</a> , <a href="#">ZENG Qiaoshi</a> , <a href="#">YANG Yong</a> , "Transformation of Freestanding Carbon-Containing Gold Nanosheets into Au Nanoparticles Encapsulated within Amorphous Carbon: Implications for Surface Modification of Complex-Shaped Materials and Structures", <i>ACS Applied Nano Materials</i> , 4(5), 11 May 2021, pp 5098–5105, doi: <a href="https://doi.org/10.1021/acsanm.1c00565">https://doi.org/10.1021/acsanm.1c00565</a> .
	# <a href="#">PARK Minhyuk</a> , # <a href="#">WANG Tianyu</a> , # <a href="#">ZHANG Jingyang</a> , <a href="#">HE Quanfeng</a> , <a href="#">YU Qing</a> , <a href="#">YANG Yong</a> , "Self-Constructed micro-origami of 2D metal", <i>Applied Materials Today</i> , 23, 14 April 2021, doi: <a href="https://doi.org/10.1016/j.apmt.2021.101039">https://doi.org/10.1016/j.apmt.2021.101039</a> .
	# <a href="#">WANG Tianyu</a> , # <a href="#">PARK Minhyuk</a> , <a href="#">HE Quanfeng</a> , # <a href="#">DING Zhaoyi</a> , <a href="#">YU Qing</a> , <a href="#">YANG Yong</a> , "Low-Cost Scalable Production of Freestanding Two-Dimensional Metallic Nanosheets by Polymer Surface Buckling Enabled Exfoliation", <i>Cell Reports Physical Science</i> , 1(11), 14 October 2020, doi: <a href="https://doi.org/10.1016/j.xcrp.2020.100235">https://doi.org/10.1016/j.xcrp.2020.100235</a> .
<b>QIN Ning</b>	<a href="#">LI Minchan</a> , # <a href="#">QIN Ning</a> , <a href="#">JI Zongwei</a> , <a href="#">GAN Qingmeng</a> , <a href="#">WANG Zhenyu</a> , <a href="#">LI Yingzhi</a> , <a href="#">CAO Lujie</a> , <a href="#">YUAN Huimin</a> , <a href="#">HE Dongsheng</a> , <a href="#">CHEN Zhenhua</a> , <a href="#">LUO Guangfu</a> , <a href="#">ZHANG Kaili</a> , <a href="#">LU Zhouguang</a> , "Single copper sites dispersed on defective TiO <sub>2-x</sub> as a synergistic oxygen reduction reaction catalyst", <i>Journal of Chemical Physics</i> , 154(3), 19 January 2021, doi: <a href="https://doi.org/10.1063/5.0030559">https://doi.org/10.1063/5.0030559</a> .
	<a href="#">GU Xiaotong</a> , # <a href="#">QIN Ning</a> , <a href="#">WEI Guangfeng</a> , <a href="#">HU Yiqiong</a> , <a href="#">ZHANG Ya-Nan</a> , <a href="#">ZHAO Guohua</a> , "Efficient photocatalytic removal of phthalates easily implemented over a bi-functional {001}TiO <sub>2</sub> surface", <i>Chemosphere</i> , 263, 04 September 2020, doi: <a href="https://doi.org/10.1016/j.chemosphere.2020.128257">https://doi.org/10.1016/j.chemosphere.2020.128257</a> .
	<a href="#">WANG Zhiqiang</a> , # <a href="#">GU Shuai</a> , <a href="#">CAO Lujie</a> , <a href="#">KONG Long</a> , <a href="#">WANG Zhenyu</a> , # <a href="#">QIN Ning</a> , <a href="#">LI Muqing</a> , <a href="#">LUO Wen</a> , <a href="#">CHEN Jingjing</a> , <a href="#">WU Sisi</a> , <a href="#">LIU Guiyu</a> , <a href="#">YUAN Huimin</a> , <a href="#">BAI Yunfei</a> , <a href="#">ZHANG Kaili</a> , <a href="#">LU Zhouguang</a> , "Redox of Dual-Radical Intermediates in a Methylene-Linked Covalent Triazine Framework for High-Performance Lithium-Ion Batteries", <i>ACS Applied Materials and Interfaces</i> , 13(1), 16 December 2020, pp 514–521, doi: <a href="https://doi.org/10.1021/acsami.0c17692">https://doi.org/10.1021/acsami.0c17692</a> .
	<a href="#">GAN Qingmeng</a> , # <a href="#">QIN Ning</a> , <a href="#">WANG Zhenyu</a> , <a href="#">LI Zhiqiang</a> , <a href="#">ZHU Youhuan</a> , <a href="#">LI Yingzhi</a> , # <a href="#">GU Shuai</a> , <a href="#">YUAN Huimin</a> , <a href="#">LUO Wen</a> , <a href="#">LU Li</a> , <a href="#">XU Zhenghe</a> , <a href="#">LU Zhouguang</a> , "Revealing Mechanism of Li <sub>3</sub> PO <sub>4</sub> Coating Suppressed Surface Oxygen Release for Commercial Ni-Rich Layered Cathodes", <i>ACS Applied Energy Materials</i> , 3(8), 06 July 2020, pp 7445–7455, doi: <a href="https://doi.org/10.1021/acsaem.0c00859">https://doi.org/10.1021/acsaem.0c00859</a> .

## Section A: Publications of PhD Students

	<p>GU Xiaotong, #QIN Ning, ZHANG Pan, HU Yiqiong, ZHANG Ya-Nan, ZHAO Guohua, "In-situ synthesis of {111}TiO<sub>2</sub>/Ti photoelectrode to boost efficient removal of dimethyl phthalate based on a bi-functional interface", <i>Chemical Engineering Journal</i>, 422, 24 April 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.129980">https://doi.org/10.1016/j.cej.2021.129980</a>.</p> <p>#HUSSAIN Iftikhar, LAMIEL Charmaine, #QIN Ning, #GU Shuai, #LI Yuxiang, WU Shuilin, #HUANG Xiaona, ZHANG Kaili, "Development of vertically aligned trimetallic Mg-Ni-Co oxide grass-like nanostructure for high-performance energy storage applications", <i>Journal of Colloid and Interface Science</i>, 582(Part B), 19 August 2020, pp 782-792, doi: <a href="https://doi.org/10.1016/j.jcis.2020.08.064">https://doi.org/10.1016/j.jcis.2020.08.064</a>.</p>
REN Xiaoying	<p>#REN Xiaoying, CUI Jianlei, LU Yang, MEI Xuesong, "基于纳米连接的互连结构的电/力学性能研究进展", <i>中国激光</i>, 48(8), 01 April 2021, doi: <a href="https://doi.org/10.3788/CJL202148.0802021">https://doi.org/10.3788/CJL202148.0802021</a>.</p>
SHAN Yao	<p>LIN Weikang, #WANG Biao, PENG Guoxiang, #SHAN Yao, HU Hong, YANG Zhengbao, "Skin-Inspired Piezoelectric Tactile Sensor Array with Crosstalk-Free Row+Column Electrodes for Spatiotemporally Distinguishing Diverse Stimuli", <i>Advanced Science</i>, 8(3), 06 January 2021, doi: <a href="https://doi.org/10.1002/advs.202002817">https://doi.org/10.1002/advs.202002817</a>.</p> <p>LIN Weikang, #WANG Biao, PENG Guoxiang, #SHAN Yao, HONG Hu, YANG Zhengbao, "Skin-Inspired Piezoelectric Tactile Sensor Array with Crosstalk-Free Row+Column Electrodes for Spatiotemporally Distinguishing Diverse Stimuli", <i>Advanced Science</i>, 8(3), 01 February 2021, doi: <a href="https://doi.org/10.1002/advs.202002817">https://doi.org/10.1002/advs.202002817</a>.</p> <p>#LIU Shiyuan, #ZHANG Zhuomin, #SHAN Yao, #HONG Ying, #FAROOQUI Fatma, #LAM Fu Shing, LIAO Wei-Hsin, WANG Zuankai, YANG Zhengbao, "A flexible and lead-free BCZT thin film nanogenerator for biocompatible energy harvesting", <i>Materials Chemistry Frontiers</i>, 5(12), 08 April 2021, pp 4682-4689, doi: <a href="https://doi.org/10.1039/d1qm00145k">https://doi.org/10.1039/d1qm00145k</a>.</p>
SHI Yu	<p>#LIU Huaqiang, AHMAD Shakeel, #SHI Yu, ZHAO Jiyun, "A parametric study of a hybrid battery thermal management system that couples PCM/copper foam composite with helical liquid channel cooling", <i>Energy</i>, 231, 18 May 2021, doi: <a href="https://doi.org/10.1016/j.energy.2021.120869">https://doi.org/10.1016/j.energy.2021.120869</a>.</p> <p>AHMAD Shakeel, #LIU Huaqiang, #SHI Yu, #CHEN Jingtan, ZHAO Jiyun, "The study of nucleation site interactions on the mixed wettability rough surface", <i>International Communications in Heat and Mass Transfer</i>, 126, 31 May 2021, doi: <a href="https://doi.org/10.1016/j.icheatmasstransfer.2021.105372">https://doi.org/10.1016/j.icheatmasstransfer.2021.105372</a>.</p> <p>#SHI Yu, AHMAD Shakeel, TONG Qing, LIM Tuti M., WEI Zhongbao, JI Dongxu, #EZE Chika Michael, ZHAO Jiyun, "The optimization of state of charge and state of health estimation for lithium-ions battery using combined deep learning and Kalman filter methods", <i>International Journal of Energy Research</i>, 45(7), 08 March 2021, pp 11206-11230, doi: <a href="https://doi.org/10.1002/er.6601">https://doi.org/10.1002/er.6601</a>.</p> <p>#SHI Yu, AHMAD Shakeel, LIU Huaqiang, #LAU Kwun Ting, ZHAO Jiyun, "Optimization of air-cooling technology for LiFePO<sub>4</sub> battery pack based on deep learning", <i>Journal of Power Sources</i>, 497, 21 April 2021, doi: <a href="https://doi.org/10.1016/j.jpowsour.2021.229894">https://doi.org/10.1016/j.jpowsour.2021.229894</a>.</p>
SONG Yuxin	<p>GU Haojie, ZHANG Nan, ZHOU Zhiyuan, YE Shimeng, WANG Wenjie, #XU Wanghuai, #ZHENG Huanxi, #SONG Yuxin, JIAO Jiwei, WANG Zuankai, ZHOU Xiaofeng, "A bulk effect liquid-solid generator with 3D electrodes for wave energy harvesting", <i>Nano Energy</i>, 87, 05 June 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106218">https://doi.org/10.1016/j.nanoen.2021.106218</a>.</p> <p>#QIAN Jingui, #BEGUM Habiba, #SONG Yuxin, LEE En-yuan Joshua, "Plug-and-play acoustic tweezer enables droplet centrifugation on silicon superstrate with surface multi-layered microstructures", <i>Sensors and Actuators A: Physical</i>, 321, 11 November 2020, doi: <a href="https://doi.org/10.1016/j.sna.2020.112432">https://doi.org/10.1016/j.sna.2020.112432</a>.</p> <p>ZHANG Nan, GU Haojie, LU Keyu, YE Shimeng, #XU Wanghuai, #ZHENG Huanxi, #SONG Yuxin, LIU Chaoran, JIAO Jiwei, WANG Zuankai, ZHOU Xiaofeng, "A universal single electrode droplet-based electricity generator (SE-DEG) for water kinetic energy harvesting", <i>Nano Energy</i>, 82, 30 December 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105735">https://doi.org/10.1016/j.nanoen.2020.105735</a>.</p> <p>YANG Guisong, WU Hao, LI Yanjie, WANG Dan, #SONG Yuxin, #ZHOU Yongsun, HAO Jinmeng, ZI Yunlong, WANG Zuankai, ZHOU Guofu, "Direct ink writing of fluoropolymer/CNT-based superhydrophobic and corrosion-resistant electrodes for droplet energy harvesters and self-</p>

Section A: Publications of PhD Students

	<p>powered electronic skins", <i>Nano Energy</i>, 86, 29 April 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106095">https://doi.org/10.1016/j.nanoen.2021.106095</a>.</p> <p>#<a href="#">XU Wanghuai</a>, #<a href="#">SONG Yuxin</a>, <a href="#">XU Ronald X.</a>, <a href="#">WANG Zuankai</a>, "Electrohydrodynamic and Hydroelectric Effects at the Water–Solid Interface: from Fundamentals to Applications", <i>Advanced Materials Interfaces</i>, 18 August 2020, doi: <a href="https://doi.org/10.1002/admi.202000670">https://doi.org/10.1002/admi.202000670</a>.</p>
<b>SUN Jing</b>	<p>#<a href="#">CHENG Yaqi</a>, #<a href="#">WANG Mingmei</a>, #<a href="#">SUN Jing</a>, <a href="#">LIU Minjie</a>, <a href="#">DU Bingang</a>, <a href="#">LIU Yuanbo</a>, #<a href="#">JIN Yuankai</a>, <a href="#">WEN Rongfu</a>, <a href="#">LAN Zhong</a>, <a href="#">ZHOU Xiaofeng</a>, <a href="#">MA Xuehu</a>, <a href="#">WANG Zuankai</a>, "Rapid and Persistent Suction Condensation on Hydrophilic Surfaces for High-Efficiency Water Collection", <i>Nano Letters</i>, 26 June 2021, doi: <a href="https://doi.org/10.1021/acs.nanolett.1c01928">https://doi.org/10.1021/acs.nanolett.1c01928</a>.</p> <p><a href="#">LI Xiaomei</a>, <a href="#">YANG Jinlong</a>, <a href="#">LV Kaixuan</a>, <a href="#">PAPADOPOULOS Periklis</a>, #<a href="#">SUN Jing</a>, <a href="#">WANG Dehui</a>, <a href="#">ZHAO Yanhua</a>, <a href="#">CHEN Longquan</a>, <a href="#">WANG Dapeng</a>, <a href="#">WANG Zuankai</a>, <a href="#">DENG Xu</a>, "Salvinia-like slippery surface with stable and mobile water/air contact line", <i>National Science Review</i>, 8(5), 02 July 2020, doi: <a href="https://doi.org/10.1093/nsr/nwaa153">https://doi.org/10.1093/nsr/nwaa153</a>.</p>
<b>SURJADI James Utama</b>	<p>#<a href="#">SURJADI James Utama</a>, #<a href="#">ZHOU Yongsen</a>, #<a href="#">WANG Tianyu</a>, <a href="#">YANG Yong</a>, <a href="#">KAI Ji-jung</a>, <a href="#">LU Yang</a>, <a href="#">WANG Zuankai</a>, "3D architected temperature-tolerant organohydrogels with ultra-tunable energy absorption", <i>iScience</i>, 24(7), 26 June 2021, doi: <a href="https://doi.org/10.1016/j.isci.2021.102789">https://doi.org/10.1016/j.isci.2021.102789</a>.</p> <p>#<a href="#">XIAO Ran</a>, <a href="#">LI Xiang</a>, #<a href="#">JIA Huaiyuan</a>, #<a href="#">SURJADI James Utama</a>, <a href="#">LI Jingqi</a>, #<a href="#">LIN Weitong</a>, <a href="#">GAO Libo</a>, <a href="#">CHIRARATTANANON Pakpong</a>, <a href="#">LU Yang</a>, "3D printing of dual phase-strengthened microlattices for lightweight micro aerial vehicles", <i>Materials and Design</i>, 206, 28 April 2021, doi: <a href="https://doi.org/10.1016/j.matdes.2021.109767">https://doi.org/10.1016/j.matdes.2021.109767</a>.</p> <p>#<a href="#">FENG Xiaobin</a>, #<a href="#">SURJADI James Utama</a>, <a href="#">FAN Rong</a>, #<a href="#">LI Xiaocui</a>, <a href="#">ZHOU Wenzhao</a>, <a href="#">ZHAO Shijun</a>, <a href="#">LU Yang</a>, "Microalloyed medium-entropy alloy (MEA) composite nanolattices with ultrahigh toughness and cyclability", <i>Materials Today</i>, 42, 04 November 2020, pp 10-16, doi: <a href="https://doi.org/10.1016/j.mattod.2020.10.003">https://doi.org/10.1016/j.mattod.2020.10.003</a>.</p> <p>#<a href="#">SURJADI James Utama</a>, #<a href="#">FENG Xiaobin</a>, <a href="#">ZHOU Wenzhao</a>, <a href="#">LU Yang</a>, "Optimizing film thickness to delay strut fracture in high-entropy alloy composite microlattices", <i>International Journal of Extreme Manufacturing</i>, 3(2), 25 January 2021, doi: <a href="https://doi.org/10.1088/2631-7990/abd8e8">https://doi.org/10.1088/2631-7990/abd8e8</a>.</p> <p>#<a href="#">SURJADI James Utama</a>, #<a href="#">FENG Xiaobin</a>, <a href="#">FAN Rong</a>, #<a href="#">LIN Weitong</a>, #<a href="#">LI Xiaocui</a>, <a href="#">LU Yang</a>, "Hollow medium-entropy alloy nanolattices with ultrahigh energy absorption and resilience", <i>NPG Asia Materials</i>, 13, 16 April 2021, doi: <a href="https://doi.org/10.1038/s41427-021-00306-y">https://doi.org/10.1038/s41427-021-00306-y</a>.</p> <p><a href="#">GAO Libo</a>, #<a href="#">HAN Ying</a>, #<a href="#">SURJADI James Utama</a>, <a href="#">CAO Ke</a>, <a href="#">ZHOU Wenzhao</a>, <a href="#">XU Hongcheng</a>, <a href="#">HU Xinkang</a>, <a href="#">WANG Mingzhi</a>, <a href="#">FAN Kangqi</a>, #<a href="#">WANG Yuejiao</a>, <a href="#">WANG Weidong</a>, <a href="#">ESPINOSA Horacio D.</a>, "Magnetically induced micropillar arrays for an ultrasensitive flexible sensor with a wireless recharging system", <i>Science China Materials</i>, 22 April 2021, doi: <a href="https://doi.org/10.1007/s40843-020-1637-9">https://doi.org/10.1007/s40843-020-1637-9</a>.</p>
<b>USMAN Muhammad</b>	<p><a href="#">KHAN Sarmad Ali</a>, #<a href="#">USMAN Muhammad</a>, <a href="#">PERVAIZ Salman</a>, <a href="#">SALEEM Muhammad Qaiser</a>, <a href="#">NAVEED Rakhshanda</a>, "Exploring the feasibility of novel coated wires in wire EDM of Ti-6Al-4V aerospace alloy: a case of multi-pass strategy", <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i>, 43(5), 26 April 2021, doi: <a href="https://doi.org/10.1007/s40430-021-02994-7">https://doi.org/10.1007/s40430-021-02994-7</a>.</p>
<b>WAN Lei</b>	<p><a href="#">WANG Xu</a>, <a href="#">XIANG Wangshuai</a>, <a href="#">ZHONG Yujie</a>, #<a href="#">WAN Lei</a>, <a href="#">YAN Fuxue</a>, <a href="#">XIAN Quangang</a>, <a href="#">JIANG Bailing</a>, <a href="#">WANG Jingyang</a>, "Preferential growth of directionally solidified Al<sub>2</sub>O<sub>3</sub>/SmAlO<sub>3</sub> eutectic ceramics", <i>Scripta Materialia</i>, 187, 04 July 2020, pp 424-427, doi: <a href="https://doi.org/10.1016/j.scriptamat.2020.06.069">https://doi.org/10.1016/j.scriptamat.2020.06.069</a>.</p> <p><a href="#">LIU Guo</a>, <a href="#">ZHANG Xiaofeng</a>, #<a href="#">CHEN Xuliang</a>, #<a href="#">HE Yunhu</a>, #<a href="#">CHENG Lizi</a>, #<a href="#">HUO Mengke</a>, #<a href="#">YIN Jianan</a>, #<a href="#">HAO Fengqian</a>, #<a href="#">CHEN Siyao</a>, <a href="#">WANG Peiyu</a>, <a href="#">YI Shenghui</a>, #<a href="#">WAN Lei</a>, #<a href="#">MAO Zhengyi</a>, <a href="#">CHEN Zhou</a>, <a href="#">WANG Xu</a>, #<a href="#">CAO Zhaowenbo</a>, <a href="#">LU Jian</a>, "Additive manufacturing of structural materials", <i>Materials Science and Engineering R: Reports</i>, 01 April 2021, doi: <a href="https://doi.org/10.1016/j.mser.2020.100596">https://doi.org/10.1016/j.mser.2020.100596</a>.</p> <p><a href="#">LIU Guo</a>, #<a href="#">HE Yunhu</a>, <a href="#">LIU Pengchao</a>, <a href="#">CHEN Zhou</a>, #<a href="#">CHEN Xuliang</a>, #<a href="#">WAN Lei</a>, <a href="#">LI Ying</a>, <a href="#">LU Jian</a>, "Development of Bioimplants with 2D, 3D, and 4D Additive Manufacturing Materials", <i>Engineering</i>, 6(11), 08 October 2020, pp 1232-1243, doi: <a href="https://doi.org/10.1016/j.eng.2020.04.015">https://doi.org/10.1016/j.eng.2020.04.015</a>.</p>

Section A: Publications of PhD Students

<b>WANG Biao</b>	#LONG Zhihe, WANG Xiudeng, #LI Pengyu, #WANG Biao, ZHANG Xingqi, CHUNG Shu Hung Henry, YANG Zhengbao, "Self-Powered SSDCI Array Interface for Multiple Piezoelectric Energy Harvesters", <i>IEEE Transactions on Power Electronics</i> , 36(8), 08 January 2021, pp 9093-9104, doi: <a href="https://doi.org/10.1109/TPEL.2021.3049816">https://doi.org/10.1109/TPEL.2021.3049816</a> .
	#HONG Ying, #WANG Biao, LIN Weikang, JIN Lihan, #LIU Shiyuan, LUO Xiaowei, PAN Jia, WANG Wenping, YANG Zhengbao, "Highly anisotropic and flexible piezoceramic kirigami for preventing joint disorders", <i>Science Advances</i> , 7(11), 12 March 2021, doi: <a href="https://doi.org/10.1126/sciadv.abf0795">https://doi.org/10.1126/sciadv.abf0795</a> .
	LIN Weikang, #WANG Biao, PENG Guoxiang, #SHAN Yao, HU Hong, YANG Zhengbao, "Skin-Inspired Piezoelectric Tactile Sensor Array with Crosstalk-Free Row+Column Electrodes for Spatiotemporally Distinguishing Diverse Stimuli", <i>Advanced Science</i> , 8(3), 06 January 2021, doi: <a href="https://doi.org/10.1002/advs.202002817">https://doi.org/10.1002/advs.202002817</a> .
	LIN Weikang, #WANG Biao, PENG Guoxiang, #SHAN Yao, HONG Hu, YANG Zhengbao, "Skin-Inspired Piezoelectric Tactile Sensor Array with Crosstalk-Free Row+Column Electrodes for Spatiotemporally Distinguishing Diverse Stimuli", <i>Advanced Science</i> , 8(3), 01 February 2021, doi: <a href="https://doi.org/10.1002/advs.202002817">https://doi.org/10.1002/advs.202002817</a> .
	#WANG Biao, HUANG Yang, ZHOU Weijian, YANG Zhengbao, "Metamaterial beam for flexural wave resonance rainbow trapping and piezoelectric energy harvesting", <i>Journal of Applied Physics</i> , 129(6), 12 February 2021, doi: <a href="https://doi.org/10.1063/5.0040029">https://doi.org/10.1063/5.0040029</a> .
	#WANG Biao, LI Zhongjie, YANG Zhengbao, "A distributed-parameter electromechanical coupling model for a piezoelectric energy harvester with variable curvature", <i>Smart Materials and Structures</i> , 29(11), 29 September 2020, doi: <a href="https://doi.org/10.1088/1361-665x/abad4e">https://doi.org/10.1088/1361-665x/abad4e</a> .
<b>WANG Heyi</b>	#HAN Ying, #ZHOU Jingzhuo, #WANG Heyi, GAO Libo, FENG Shizhe, CAO Ke, XU Zhiping, LU Yang, "Experimental nanomechanics of 2D materials for strain engineering", <i>Applied Nanoscience (Switzerland)</i> , 11(4), 24 February 2021, pp 1075–1091, doi: <a href="https://doi.org/10.1007/s13204-021-01702-0">https://doi.org/10.1007/s13204-021-01702-0</a> .
<b>WANG Min</b>	#LIU Rui, #WANG Mingmei, #WANG Min, YIN Jiaqin, YUAN Yixuan, LIU Jun, "Automatic Microscopy Analysis with Transfer Learning for Classification of Human Sperm", <i>Applied Sciences (Switzerland)</i> , 11(12), 09 June 2021, doi: <a href="https://doi.org/10.3390/app11125369">https://doi.org/10.3390/app11125369</a> .
	#WANG Min, SONG Shuang, LIU Jun, MENG Max Q.-H., "Multipoint Simultaneous Tracking of Wireless Capsule Endoscope Using Magnetic Sensor Array", <i>IEEE Transactions on Instrumentation and Measurement</i> , 70, 26 April 2021, doi: <a href="https://doi.org/10.1109/TIM.2021.3075776">https://doi.org/10.1109/TIM.2021.3075776</a> .
<b>WANG Mingmei</b>	#CHENG Yaqi, #WANG Mingmei, #SUN Jing, LIU Minjie, DU Bingang, LIU Yuanbo, #JIN Yuankai, WEN Rongfu, LAN Zhong, ZHOU Xiaofeng, MA Xuehu, WANG Zuankai, "Rapid and Persistent Suction Condensation on Hydrophilic Surfaces for High-Efficiency Water Collection", <i>Nano Letters</i> , 26 June 2021, doi: <a href="https://doi.org/10.1021/acs.nanolett.1c01928">https://doi.org/10.1021/acs.nanolett.1c01928</a> .
	#LIU Rui, #WANG Mingmei, #WANG Min, YIN Jiaqin, YUAN Yixuan, LIU Jun, "Automatic Microscopy Analysis with Transfer Learning for Classification of Human Sperm", <i>Applied Sciences (Switzerland)</i> , 11(12), 09 June 2021, doi: <a href="https://doi.org/10.3390/app11125369">https://doi.org/10.3390/app11125369</a> .
<b>WANG Tianyu</b>	#SURJADI James Utama, #ZHOU Yongsen, #WANG Tianyu, YANG Yong, KAI Ji-jung, LU Yang, WANG Zuankai, "3D architected temperature-tolerant organohydrogels with ultra-tunable energy absorption", <i>iScience</i> , 24(7), 26 June 2021, doi: <a href="https://doi.org/10.1016/j.isci.2021.102789">https://doi.org/10.1016/j.isci.2021.102789</a> .
	LI X., WEI D., #ZHANG Jingyang, LIU X. D., LI Z., #WANG Tianyu, HE Quanfeng, WANG Y. J., MA J., WANG W. H., YANG Yong, "Ultrasonic plasticity of metallic glass near room temperature", <i>Applied Materials Today</i> , 21, 29 October 2020, doi: <a href="https://doi.org/10.1016/j.apmt.2020.100866">https://doi.org/10.1016/j.apmt.2020.100866</a> .
	#WANG Tianyu, #PARK Minhyuk, YU Qing, #ZHANG Jingyang, YANG Yong, "Stability and synthesis of 2D metals and alloys: a review", <i>Materials Today Advances</i> , 8, 04 July 2020, doi: <a href="https://doi.org/10.1016/j.mtadv.2020.100092">https://doi.org/10.1016/j.mtadv.2020.100092</a> .
	YU Qing, #ZHANG Jingyang, #WANG Tianyu, #PARK Minhyuk, DONG Hongliang, CHEN Songyi, ZHANG Xin, GUO Songhao, LI Yangyang, ZENG Qiaoshi, YANG Yong, "Transformation of Freestanding Carbon-Containing Gold Nanosheets into Au Nanoparticles Encapsulated within Amorphous Carbon: Implications for Surface Modification of Complex-Shaped

Section A: Publications of PhD Students

	Materials and Structures", <i>ACS Applied Nano Materials</i> , 4(5), 11 May 2021, pp 5098–5105, doi: <a href="https://doi.org/10.1021/acsanm.1c00565">https://doi.org/10.1021/acsanm.1c00565</a> .
	#PARK Minhyuk, #WANG Tianyu, #ZHANG Jingyang, HE Quanfeng, YU Qing, YANG Yong, "Self-Constructed micro-origami of 2D metal", <i>Applied Materials Today</i> , 23, 14 April 2021, doi: <a href="https://doi.org/10.1016/j.apmt.2021.101039">https://doi.org/10.1016/j.apmt.2021.101039</a> .
	#WANG Tianyu, #PARK Minhyuk, HE Quanfeng, #DING Zhaoyi, YU Qing, YANG Yong, "Low-Cost Scalable Production of Freestanding Two-Dimensional Metallic Nanosheets by Polymer Surface Buckling Enabled Exfoliation", <i>Cell Reports Physical Science</i> , 1(11), 14 October 2020, doi: <a href="https://doi.org/10.1016/j.xcrp.2020.100235">https://doi.org/10.1016/j.xcrp.2020.100235</a> .
<b>WANG Wei</b>	#WANG Wei, ZHAO Wenhan, LIU Yang, ZHANG Hui, HUA Meng, DONG Guangneng, TAM Hon Yuen, CHIN Kwai Sang, "A Pocket-Textured Surface for Improving the Tribological Properties of Point Contact under Starved Lubrication", <i>Materials</i> , 14(7), 05 April 2021, doi: <a href="https://doi.org/10.3390/ma14071789">https://doi.org/10.3390/ma14071789</a> .
<b>WANG Xu</b>	#WANG Xu, MA Weiyin, "Smooth Analysis-Suitable Parameterization Based on a Weighted and Modified Liao Functional", <i>CAD Computer Aided Design</i> , 140, 29 June 2021, doi: <a href="https://doi.org/10.1016/j.cad.2021.103079">https://doi.org/10.1016/j.cad.2021.103079</a> .
<b>WANG Yilong</b>	#WANG Yilong, YANG Zhengbao, CAO Dengqing, "Distributed-parameter modeling and dynamic analysis of rotational compressive-mode energy harvesters", <i>Nonlinear Dynamics</i> , 103(1), 06 January 2021, pp 157–182, doi: <a href="https://doi.org/10.1007/s11071-020-06144-x">https://doi.org/10.1007/s11071-020-06144-x</a> .
	#WANG Yilong, YANG Zhengbao, CAO Dengqing, "On the offset distance of rotational piezoelectric energy harvesters", <i>Energy</i> , 220, 20 December 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.119676">https://doi.org/10.1016/j.energy.2020.119676</a> .
<b>WANG Yuejiao</b>	XU Hongcheng, GAO Libo, #WANG Yuejiao, CAO ke, HU Xinkang, WANG Liang, MU Meng, LIU Min, ZHANG Haiyan, WANG Weidong, LU Yang, "Flexible Waterproof Piezoresistive Pressure Sensors with Wide Linear Working Range Based on Conductive Fabrics", <i>Nano-Micro Letters</i> , 12(1), 08 August 2020, doi: <a href="https://doi.org/10.1007/s40820-020-00498-y">https://doi.org/10.1007/s40820-020-00498-y</a> .
	GAO Libo, WANG Meng, WANG Weidong, XU Hongcheng, #WANG Yuejiao, ZHAO Haitao, CAO Ke, XU Dandan, LI Lei, "Highly Sensitive Pseudocapacitive Iontronic Pressure Sensor with Broad Sensing Range", <i>Nano-Micro Letters</i> , 13(1), 11 June 2021, doi: <a href="https://doi.org/10.1007/s40820-021-00664-w">https://doi.org/10.1007/s40820-021-00664-w</a> .
	#WANG Yuejiao, ZHOU Wenzhao, CAO Ke, HU Xinkang, GAO Libo, LU Yang, "Architected graphene and its composites: Manufacturing and structural applications", <i>Composites Part A: Applied Science and Manufacturing</i> , 140, 26 October 2020, doi: <a href="https://doi.org/10.1016/j.compositesa.2020.106177">https://doi.org/10.1016/j.compositesa.2020.106177</a> .
	#XIAO Ran, #DING Mingyang, #WANG Yuejiao, GAO Libo, FAN Rong, LU Yang, "Stereolithography (SLA) 3D printing of carbon fiber-graphene oxide (CF-GO) reinforced polymer lattices", <i>Nanotechnology</i> , 32(23), 16 March 2021, doi: <a href="https://doi.org/10.1088/1361-6528/abe825">https://doi.org/10.1088/1361-6528/abe825</a> .
	#WANG Yuejiao, LI Xiang, #FAN Sufeng, #FENG Xiaobin, CAO Ke, GE Qi, GAO Libo, LU Yang, "Three-Dimensional Stretchable Microelectronics by Projection Microstereolithography (PμSL)", <i>ACS Applied Materials and Interfaces</i> , 13(7), 15 February 2021, pp 8901–8908, doi: <a href="https://doi.org/10.1021/acsami.0c20162">https://doi.org/10.1021/acsami.0c20162</a> .
	GAO Libo, #HAN Ying, #SURJADI James Utama, CAO Ke, ZHOU Wenzhao, XU Hongcheng, HU Xinkang, WANG Mingzhi, FAN Kangqi, #WANG Yuejiao, WANG Weidong, ESPINOSA Horacio D., "Magnetically induced micropillar arrays for an ultrasensitive flexible sensor with a wireless recharging system", <i>Science China Materials</i> , 22 April 2021, doi: <a href="https://doi.org/10.1007/s40843-020-1637-9">https://doi.org/10.1007/s40843-020-1637-9</a> .
<b>XIA Fan</b>	#XIA Fan, ZHAO Jiyan, #CAI Junjie, #LIU Jian, "Dynamic cost analysis for disposal of low and intermediate level nuclear waste in China", <i>Annals of Nuclear Energy</i> , 154, 06 January 2021, doi: <a href="https://doi.org/10.1016/j.anucene.2020.108097">https://doi.org/10.1016/j.anucene.2020.108097</a> .
<b>XIAO Ran</b>	#XIAO Ran, LI Xiang, #JIA Huaiyuan, #SURJADI James Utama, LI Jingqi, #LIN Weitong, GAO Libo, CHIRARATTANANON Pakpong, LU Yang, "3D printing of dual phase-strengthened microlattices for lightweight micro aerial vehicles", <i>Materials and Design</i> , 206, 28 April 2021, doi: <a href="https://doi.org/10.1016/j.matdes.2021.109767">https://doi.org/10.1016/j.matdes.2021.109767</a> .

## Section A: Publications of PhD Students

	<p>SONG Jian, LI Lixiao, KONG Sicheng, YU Bin, WAN Yuejia, ZHOU Yizhuo, CHEN Junying, LIU Su, #XIAO Ran, ZHOU Wenzhao, LU Yang, ZHANG Jiaqing, ZHOU Bo, LI Chunsheng, LONG Wujian, "Lightweight and low thermal conducted face-centered-cubic cementitious lattice materials (FCLMs)", <i>Composite Structures</i>, 263, 04 January 2021, doi: <a href="https://doi.org/10.1016/j.compstruct.2020.113536">https://doi.org/10.1016/j.compstruct.2020.113536</a>.</p> <p>#XIAO Ran, #DING Mingyang, #WANG Yuejiao, GAO Libo, FAN Rong, LU Yang, "Stereolithography (SLA) 3D printing of carbon fiber-graphene oxide (CF-GO) reinforced polymer lattices", <i>Nanotechnology</i>, 32(23), 16 March 2021, doi: <a href="https://doi.org/10.1088/1361-6528/abe825">https://doi.org/10.1088/1361-6528/abe825</a>.</p> <p>LI Lixiao, CHEN Junying, TAN Xiaowen, ZHOU Yizhuo, ZHANG Yang, ZHOU Wenzhao, #XIAO Ran, LI Xiang, LU Yang, SU Mayni, DING Zhu, LONG Wujian, SONG Jian, "3D face-centered-cubic cement-based hybrid composites reinforced by tension-resistant polymeric truss network", <i>Automation in Construction</i>, 120, 25 August 2020, doi: <a href="https://doi.org/10.1016/j.autcon.2020.103380">https://doi.org/10.1016/j.autcon.2020.103380</a>.</p>
XIE Shangzhen	<p>#XIE Shangzhen, JIANG Mengnan, KONG Hao Jie, TONG Qing, ZHAO Jiyun, "An experimental investigation on the pool boiling of multi-orientated hierarchical structured surfaces", <i>International Journal of Heat and Mass Transfer</i>, 164, 20 October 2020, doi: <a href="https://doi.org/10.1016/j.ijheatmasstransfer.2020.120595">https://doi.org/10.1016/j.ijheatmasstransfer.2020.120595</a>.</p> <p>#XIE Shangzhen, #MA Xiaoxia, KONG Hao Jie, #BAI Songnan, JIANG Mengnan, ZHAO Jiyun, "The synergetic effects of the surface wettability and the patterned nanostructure on boiling heat transfer enhancement", <i>International Journal of Heat and Mass Transfer</i>, 176, 26 May 2021, doi: <a href="https://doi.org/10.1016/j.ijheatmasstransfer.2021.121475">https://doi.org/10.1016/j.ijheatmasstransfer.2021.121475</a>.</p>
XU Biao	<p>LI Zhongtao, WANG Zhe, WU Zhenggang, #XU Biao, ZHAO Shijun, ZHANG Weidong, LIN Nan, "Phase, microstructure and related mechanical properties of a series of (NbTaZr)C-Based high entropy ceramics", <i>Ceramics International</i>, 47(10 (Part A)), 04 February 2021, pp 14341-14347, doi: <a href="https://doi.org/10.1016/j.ceramint.2021.02.013">https://doi.org/10.1016/j.ceramint.2021.02.013</a>.</p>
XU Jiajun	<p>#XU Jiajun, XU Linsen, LI You Fu, CHENG Gaoxin, SHI Jia, LIU Jinfu, CHEN Shouqi, "A Multi-Channel Reinforcement Learning Framework for Robotic Mirror Therapy", <i>IEEE Robotics and Automation Letters</i>, 5(4), 07 July 2020, pp 5385-5392, doi: <a href="https://doi.org/10.1109/LRA.2020.3007408">https://doi.org/10.1109/LRA.2020.3007408</a>.</p> <p>#XU Jiajun, XU Linsen, CHENG Gaoxin, SHI Jia, LIU Jinfu, LIANG Xingcan, FAN Shengyao, "A robotic system with reinforcement learning for lower extremity hemiparesis rehabilitation", <i>Industrial Robot</i>, 08 February 2021, doi: <a href="https://doi.org/10.1108/IR-10-2020-0230">https://doi.org/10.1108/IR-10-2020-0230</a>.</p>
XU Wanghuai	<p>GU Haojie, ZHANG Nan, ZHOU Zhiyuan, YE Shimeng, WANG Wenjie, #XU Wanghuai, #ZHENG Huanxi, #SONG Yuxin, JIAO Jiwei, WANG Zuankai, ZHOU Xiaofeng, "A bulk effect liquid-solid generator with 3D electrodes for wave energy harvesting", <i>Nano Energy</i>, 87, 05 June 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106218">https://doi.org/10.1016/j.nanoen.2021.106218</a>.</p> <p>#XU Wanghuai, WANG Zuankai, "Fusion of Slippery Interfaces and Transistor-Inspired Architecture for Water Kinetic Energy Harvesting", <i>Joule</i>, 4(12), 14 October 2020, pp 2527-2531, doi: <a href="https://doi.org/10.1016/j.joule.2020.09.007">https://doi.org/10.1016/j.joule.2020.09.007</a>.</p> <p>ZHANG Chao, #ZHOU Yongsen, HAN Haijie, #ZHENG Huanxi, #XU Wanghuai, WANG Zuankai, "Dopamine-Triggered Hydrogels with High Transparency, Self-Adhesion, and Thermoresponse as Skinlike Sensors", <i>ACS Nano</i>, 15(1), 06 January 2021, pp 1785-1794, doi: <a href="https://doi.org/10.1021/acsnano.0c09577">https://doi.org/10.1021/acsnano.0c09577</a>.</p> <p>ZHANG Mei, #XU Wanghuai, #LI Minfei, LI Jiaqian, WANG Peng, WANG Zuankai, "In situ Reduction of Silver Nanoparticles on Chitosan Hybrid Copper Phosphate Nanoflowers for Highly Efficient Plasmonic Solar-driven Interfacial Water Evaporation", <i>Journal of Bionic Engineering</i>, 18(1), 02 January 2021, pp 30-39, doi: <a href="https://doi.org/10.1007/s42235-021-0005-3">https://doi.org/10.1007/s42235-021-0005-3</a>.</p> <p>ZHANG Nan, GU Haojie, LU Keyu, YE Shimeng, #XU Wanghuai, #ZHENG Huanxi, #SONG Yuxin, LIU Chaoran, JIAO Jiwei, WANG Zuankai, ZHOU Xiaofeng, "A universal single electrode droplet-based electricity generator (SE-DEG) for water kinetic energy harvesting", <i>Nano Energy</i>, 82, 30 December 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105735">https://doi.org/10.1016/j.nanoen.2020.105735</a>.</p> <p>CHEN Xuan, YANG Zhibin, FENG Shizhe, GOLBEK Thaddeus W., #XU Wanghuai, BUTT Hans-Jürgen, WEIDNER Tobias, XU Zhiping, HAO Jianhua, WANG Zuankai, "How Universal Is the</p>



## Section A: Publications of PhD Students

	Wetting Aging in 2D Materials", <i>Nano Letters</i> , 20(8), 12 August 2020, pp 5670-5677, doi: <a href="https://doi.org/10.1021/acs.nanolett.0c00855">https://doi.org/10.1021/acs.nanolett.0c00855</a> .
	RIAUD Antoine, WANG Cui, ZHOU Jia, #XU Wanghuai, WANG Zuankai, "Hydrodynamic constraints on the energy efficiency of droplet electricity generators", <i>Microsystems and Nanoengineering</i> , 7, 21 June 2021, doi: <a href="https://doi.org/10.1038/s41378-021-00269-8">https://doi.org/10.1038/s41378-021-00269-8</a> .
	#JIN Yuankai, #XU Wanghuai, #ZHANG Huanhuan, #ZHENG Huanxi, #CHENG Yaqi, #YAN Xiantong, #GAO Shouwei, WANG Daoai, ZI Yunlong, ZHOU Feng, WANG Zuankai, "Complete Prevention of Contact Electrification by Molecular Engineering", <i>Matter</i> , 4(1), 10 November 2020, pp 290-301, doi: <a href="https://doi.org/10.1016/j.matt.2020.10.019">https://doi.org/10.1016/j.matt.2020.10.019</a> .
	#XU Wanghuai, #SONG Yuxin, XU Ronald X., WANG Zuankai, "Electrohydrodynamic and Hydroelectric Effects at the Water–Solid Interface: from Fundamentals to Applications", <i>Advanced Materials Interfaces</i> , 18 August 2020, doi: <a href="https://doi.org/10.1002/admi.202000670">https://doi.org/10.1002/admi.202000670</a> .
<b>XU Zhenyu</b>	#XU Zhenyu, #ZHOU Yongsun, ZHANG Baoping, ZHANG Chao, WANG Zuankai, WANG Jianfeng Jeff, "Recent Progress on Plant-Inspired Soft Robotics with Hydrogel Building Blocks: Fabrication, Actuation and Application", <i>Micromachines</i> , 12(6), 24 May 2021, doi: <a href="https://doi.org/10.3390/mi12060608">https://doi.org/10.3390/mi12060608</a> .
<b>YAN Xiantong</b>	#JIN Yuankai, #XU Wanghuai, #ZHANG Huanhuan, #ZHENG Huanxi, #CHENG Yaqi, #YAN Xiantong, #GAO Shouwei, WANG Daoai, ZI Yunlong, ZHOU Feng, WANG Zuankai, "Complete Prevention of Contact Electrification by Molecular Engineering", <i>Matter</i> , 4(1), 10 November 2020, pp 290-301, doi: <a href="https://doi.org/10.1016/j.matt.2020.10.019">https://doi.org/10.1016/j.matt.2020.10.019</a> .
<b>YANG Renhua</b>	#QIAN Jingui, HUANG Wei, #YANG Renhua, LAM Hiu Wai Raymond, LEE En-yuan Joshua, "Low-cost laser-cut patterned chips for acoustic concentration of micro- to nanoparticles and cells by operating over a wide frequency range", <i>Analyst</i> , 146(10), 18 March 2021, pp 3280–3288, doi: <a href="https://doi.org/10.1039/d1an00197c">https://doi.org/10.1039/d1an00197c</a> .
<b>YAO Xiaoxue</b>	SACZEK Joshua, #YAO Xiaoxue, ZIVKOVIC Vladimir, MAMLOUK Mohamed, WANG Dan, PRAMANA Stevin S., WANG Steven, "Long-Lived Liquid Marbles for Green Applications", <i>Advanced Functional Materials</i> , 23 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202011198">https://doi.org/10.1002/adfm.202011198</a> .
<b>YIN Jianan</b>	LIU Guo, ZHANG Xiaofeng, #CHEN Xuliang, #HE Yunhu, #CHENG Lizi, #HUO Mengke, #YIN Jianan, #HAO Fengqian, #CHEN Siyao, WANG Peiyu, YI Shenghui, #WAN Lei, #MAO Zhengyi, CHEN Zhou, WANG Xu, #CAO Zhaowenbo, LU Jian, "Additive manufacturing of structural materials", <i>Materials Science and Engineering R: Reports</i> , 01 April 2021, doi: <a href="https://doi.org/10.1016/j.mser.2020.100596">https://doi.org/10.1016/j.mser.2020.100596</a> .
<b>ZHANG Huanhuan</b>	#JIN Yuankai, #XU Wanghuai, #ZHANG Huanhuan, #ZHENG Huanxi, #CHENG Yaqi, #YAN Xiantong, #GAO Shouwei, WANG Daoai, ZI Yunlong, ZHOU Feng, WANG Zuankai, "Complete Prevention of Contact Electrification by Molecular Engineering", <i>Matter</i> , 4(1), 10 November 2020, pp 290-301, doi: <a href="https://doi.org/10.1016/j.matt.2020.10.019">https://doi.org/10.1016/j.matt.2020.10.019</a> .
<b>ZHANG Jiazhi</b>	#ZHANG Jiazhi, CUI Yanguang, ZUO Xunwei, WAN Jianfeng, RONG Yonghua, CHEN Nailu, LU Jian, "Dislocations across interphase enable plain steel with high strength-ductility", <i>Science Bulletin</i> , 66(11), 02 March 2021, pp 1058–1062, doi: <a href="https://doi.org/10.1016/j.scib.2021.02.032">https://doi.org/10.1016/j.scib.2021.02.032</a> .
<b>ZHANG Jingyang</b>	LI X., WEI D., #ZHANG Jingyang, LIU X. D., LI Z., #WANG Tianyu, HE Quanfeng, WANG Y. J., MA J., WANG W. H., YANG Yong, "Ultrasonic plasticity of metallic glass near room temperature", <i>Applied Materials Today</i> , 21, 29 October 2020, doi: <a href="https://doi.org/10.1016/j.apmt.2020.100866">https://doi.org/10.1016/j.apmt.2020.100866</a> .
	#WANG Tianyu, #PARK Minhyuk, YU Qing, #ZHANG Jingyang, YANG Yong, "Stability and synthesis of 2D metals and alloys: a review", <i>Materials Today Advances</i> , 8, 04 July 2020, doi: <a href="https://doi.org/10.1016/j.mtadv.2020.100092">https://doi.org/10.1016/j.mtadv.2020.100092</a> .
	#ZHANG Jingyang, HE Quanfeng, LI J., YANG Yong, "Chemical fluctuation enabling strength-plasticity synergy in metastable single-phase high entropy alloy film with gigapascal yield strength", <i>International Journal of Plasticity</i> , 139, 09 February 2021, doi: <a href="https://doi.org/10.1016/j.ijplas.2021.102951">https://doi.org/10.1016/j.ijplas.2021.102951</a> .

## Section A: Publications of PhD Students

	<p><u>YU Qing</u>, #ZHANG Jingyang, #WANG Tianyu, #PARK Minhyuk, DONG Hongliang, CHEN Songyi, ZHANG Xin, GUO Songhao, <u>LI Yangyang</u>, ZENG Qiaoshi, <u>YANG Yong</u>, "Transformation of Freestanding Carbon-Containing Gold Nanosheets into Au Nanoparticles Encapsulated within Amorphous Carbon: Implications for Surface Modification of Complex-Shaped Materials and Structures", <i>ACS Applied Nano Materials</i>, 4(5), 11 May 2021, pp 5098–5105, doi: <a href="https://doi.org/10.1021/acsanm.1c00565">https://doi.org/10.1021/acsanm.1c00565</a>.</p> <p>#PARK Minhyuk, #WANG Tianyu, #ZHANG Jingyang, HE Quanfeng, YU Qing, YANG Yong, "Self-Constructed micro-origami of 2D metal", <i>Applied Materials Today</i>, 23, 14 April 2021, doi: <a href="https://doi.org/10.1016/j.apmt.2021.101039">https://doi.org/10.1016/j.apmt.2021.101039</a>.</p>
<b>ZHANG Wenqiang</b>	#ZHANG Wenqiang, LI Xiang, <u>LU Yang</u> , CHEN Juzheng, "Liquid Metal-Polymer Microlattice Metamaterials with High Fracture Toughness and Damage Recoverability", <i>Small</i> , 16(46), 26 October 2020, doi: <a href="https://doi.org/10.1002/sml.202004190">https://doi.org/10.1002/sml.202004190</a> .
<b>ZHANG Zhuomin</b>	# <u>LIU Shiyuan</u> , #ZHANG Zhuomin, #SHAN Yao, #HONG Ying, #FAROOQUI Fatma, #LAM Fu Shing, LIAO Wei-Hsin, <u>WANG Zuankai</u> , <u>YANG Zhengbao</u> , "A flexible and lead-free BCZT thin film nanogenerator for biocompatible energy harvesting", <i>Materials Chemistry Frontiers</i> , 5(12), 08 April 2021, pp 4682-4689, doi: <a href="https://doi.org/10.1039/d1qm00145k">https://doi.org/10.1039/d1qm00145k</a> .
<b>ZHENG Huanxi</b>	<p>GU Haojie, ZHANG Nan, ZHOU Zhiyuan, YE Shimeng, WANG Wenjie, #<u>XU Wanghuai</u>, #ZHENG Huanxi, #SONG Yuxin, JIAO Jiwei, <u>WANG Zuankai</u>, ZHOU Xiaofeng, "A bulk effect liquid-solid generator with 3D electrodes for wave energy harvesting", <i>Nano Energy</i>, 87, 05 June 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106218">https://doi.org/10.1016/j.nanoen.2021.106218</a>.</p> <p><u>LI Jiaqian</u>, #LI Yuchao, #ZHENG Huanxi, <u>LIU Minjie</u>, GU Haojie, LU Keyu, ZHOU Xiaofeng, <u>WANG Zuankai</u>, "Strengthening unidirectional liquid pumping using multi-biomimetic structures", <i>Extreme Mechanics Letters</i>, 43, 13 December 2020, doi: <a href="https://doi.org/10.1016/j.eml.2020.101144">https://doi.org/10.1016/j.eml.2020.101144</a>.</p> <p>#LIU Yiming, #ZHENG Huanxi, #ZHAO Ling, #LIU Shiyuan, #YAO Kuanming, LI Dengfeng, #YIU Chun Ki, GAO Shenghan, AVILA Raudel, <u>CHIRARATTANANON Pakpong</u>, CHANG Lingqian, <u>WANG Zuankai</u>, HUANG Xian, XIE Zhaoqian, <u>YANG Zhengbao</u>, <u>YU Xinge</u>, "Electronic Skin from High-Throughput Fabrication of Intrinsically Stretchable Lead Zirconate Titanate Elastomer", <i>Research</i>, 2020, 17 October 2020, doi: <a href="https://doi.org/10.34133/2020/1085417">https://doi.org/10.34133/2020/1085417</a>.</p> <p>ZHANG Chao, #ZHOU Yongsun, HAN Haijie, #ZHENG Huanxi, #XU Wanghuai, <u>WANG Zuankai</u>, "Dopamine-Triggered Hydrogels with High Transparency, Self-Adhesion, and Thermoresponse as Skinlike Sensors", <i>ACS Nano</i>, 15(1), 06 January 2021, pp 1785–1794, doi: <a href="https://doi.org/10.1021/acsnano.0c09577">https://doi.org/10.1021/acsnano.0c09577</a>.</p> <p>ZHANG Nan, GU Haojie, LU Keyu, YE Shimeng, #XU Wanghuai, #ZHENG Huanxi, #SONG Yuxin, LIU Chaoran, JIAO Jiwei, <u>WANG Zuankai</u>, ZHOU Xiaofeng, "A universal single electrode droplet-based electricity generator (SE-DEG) for water kinetic energy harvesting", <i>Nano Energy</i>, 82, 30 December 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105735">https://doi.org/10.1016/j.nanoen.2020.105735</a>.</p> <p><u>LIU Minjie</u>, DU Hanheng, #CHENG Yaqi, #ZHENG Huanxi, #JIN Yuankai, TO Suet, <u>WANG Steven</u>, <u>WANG Zuankai</u>, "Explosive Pancake Bouncing on Hot Superhydrophilic Surfaces", <i>ACS Applied Materials &amp; Interfaces</i>, 13(20), 17 May 2021, pp 24321-24328, doi: <a href="https://doi.org/10.1021/acsami.1c05867">https://doi.org/10.1021/acsami.1c05867</a>.</p> <p>FENG Shile, DELANNOY Joachim, MALOD Antoine, #ZHENG Huanxi, QUÉRÉ David, <u>WANG Zuankai</u>, "Tip-induced flipping of droplets on Janus pillars: From local reconfiguration to global transport", <i>Science Advances</i>, 6(28), 08 July 2020, doi: <a href="https://doi.org/10.1126/sciadv.abb4540">https://doi.org/10.1126/sciadv.abb4540</a>.</p> <p>#JIN Yuankai, #XU Wanghuai, #ZHANG Huanhuan, #ZHENG Huanxi, #CHENG Yaqi, #YAN Xiantong, #GAO Shouwei, WANG Daoai, ZI Yunlong, ZHOU Feng, <u>WANG Zuankai</u>, "Complete Prevention of Contact Electrification by Molecular Engineering", <i>Matter</i>, 4(1), 10 November 2020, pp 290-301, doi: <a href="https://doi.org/10.1016/j.matt.2020.10.019">https://doi.org/10.1016/j.matt.2020.10.019</a>.</p> <p><u>LI Jiaqian</u>, ZHOU Xiaofeng, TAO Ran, #ZHENG Huanxi, <u>WANG Zuankai</u>, "Directional Liquid Transport from the Cold Region to the Hot Region on a Topological Surface", <i>Langmuir</i>, 37(16), 16 April 2021, pp 5059–5065, doi: <a href="https://doi.org/10.1021/acs.langmuir.1c00627">https://doi.org/10.1021/acs.langmuir.1c00627</a>.</p>
<b>ZHONG Hongmei</b>	#ZHONG Hongmei, ZHANG Peng, <u>LI Yanan</u> , YANG Xiaochen, ZHAO Yang, <u>WANG Zuankai</u> , "Highly Solar-Reflective Structures for Daytime Radiative Cooling under High Humidity", <i>ACS Applied Materials &amp; Interfaces</i> , 12(46), 04 November 2020, pp 51409-51417, doi: <a href="https://doi.org/10.1021/acsami.0c14075">https://doi.org/10.1021/acsami.0c14075</a> .

## Section A: Publications of PhD Students

	#ZHONG Hongmei, LI Yanan, ZHANG Peng, #GAO Shouwei, LIU Bingying, WANG Yang, MENG Ting, #ZHOU Yongsen, HOU Huwang, XUE Chaohua, ZHAO Yang, WANG Zuankai, "Hierarchically Hollow Microfibers as a Scalable and Effective Thermal Insulating Cooler for Buildings", <i>ACS Nano</i> , 15(6), 20 May 2021, pp 10076-10083, doi: <a href="https://doi.org/10.1021/acsnano.1c01814">https://doi.org/10.1021/acsnano.1c01814</a> .
ZHOU Jingzhuo	#HAN Ying, #ZHOU Jingzhuo, #WANG Heyi, GAO Libo, FENG Shizhe, CAO Ke, XU Zhiping, LU Yang, "Experimental nanomechanics of 2D materials for strain engineering", <i>Applied Nanoscience (Switzerland)</i> , 11(4), 24 February 2021, pp 1075–1091, doi: <a href="https://doi.org/10.1007/s13204-021-01702-0">https://doi.org/10.1007/s13204-021-01702-0</a> .
ZHOU Jun	#MA Xiaoxia, CHAN Shing-Yam, #ZHOU Jun, #CHEN Yatu, YANG Guangcheng, ZHANG Kaili, "Graphene Oxide Induced Nanoscale Energetic Coordination Polymer with Self-sustaining Combustion Ability", <i>Energetic Materials Frontiers</i> , 1(2), September 2020, pp 51-58, doi: <a href="https://doi.org/10.1016/j.enmf.2020.09.006">https://doi.org/10.1016/j.enmf.2020.09.006</a> . #HUSSAIN Iftikhar, HUSSAIN Tanveer, YANG Shaoran, #CHEN Yatu, #ZHOU Jun, #MA Xiaoxia, ABBAS Nadir, LAMIEL Charmaine, ZHANG Kaili, "Integration of CuO nanosheets to Zn-Ni-Co oxide nanowire arrays for energy storage applications", <i>Chemical Engineering Journal</i> , 413, 30 October 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.127570">https://doi.org/10.1016/j.cej.2020.127570</a> .
ZHOU Yongsen	#XU Zhenyu, #ZHOU Yongsen, ZHANG Baoping, ZHANG Chao, WANG Zuankai, WANG Jianfeng Jeff, "Recent Progress on Plant-Inspired Soft Robotics with Hydrogel Building Blocks: Fabrication, Actuation and Application", <i>Micromachines</i> , 12(6), 24 May 2021, doi: <a href="https://doi.org/10.3390/mi12060608">https://doi.org/10.3390/mi12060608</a> . #SURJADI James Utama, #ZHOU Yongsen, #WANG Tianyu, YANG Yong, KAI Ji-jung, LU Yang, WANG Zuankai, "3D architected temperature-tolerant organohydrogels with ultra-tunable energy absorption", <i>iScience</i> , 24(7), 26 June 2021, doi: <a href="https://doi.org/10.1016/j.isci.2021.102789">https://doi.org/10.1016/j.isci.2021.102789</a> . ZHANG Chao, #ZHOU Yongsen, HAN Haijie, #ZHENG Huanxi, #XU Wanghui, WANG Zuankai, "Dopamine-Triggered Hydrogels with High Transparency, Self-Adhesion, and Thermoresponse as Skinlike Sensors", <i>ACS Nano</i> , 15(1), 06 January 2021, pp 1785–1794, doi: <a href="https://doi.org/10.1021/acsnano.0c09577">https://doi.org/10.1021/acsnano.0c09577</a> . YANG Guisong, WU Hao, LI Yanjie, WANG Dan, #SONG Yuxin, #ZHOU Yongsen, HAO Jinmeng, ZI Yunlong, WANG Zuankai, ZHOU Guofu, "Direct ink writing of fluoropolymer/CNT-based superhydrophobic and corrosion-resistant electrodes for droplet energy harvesters and self-powered electronic skins", <i>Nano Energy</i> , 86, 29 April 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106095">https://doi.org/10.1016/j.nanoen.2021.106095</a> . #ZHONG Hongmei, LI Yanan, ZHANG Peng, #GAO Shouwei, LIU Bingying, WANG Yang, MENG Ting, #ZHOU Yongsen, HOU Huwang, XUE Chaohua, ZHAO Yang, WANG Zuankai, "Hierarchically Hollow Microfibers as a Scalable and Effective Thermal Insulating Cooler for Buildings", <i>ACS Nano</i> , 15(6), 20 May 2021, pp 10076-10083, doi: <a href="https://doi.org/10.1021/acsnano.1c01814">https://doi.org/10.1021/acsnano.1c01814</a> .
ZHOU Ziqing	LIU Xiaodi, LI Xin, HE Quanfeng, LIANG Dandan, #ZHOU Ziqing, MA Jiang, YANG Yong, SHEN Jun, "Machine learning-based glass formation prediction in multicomponent alloys", <i>Acta Materialia</i> , 201, 04 October 2020, pp 182-190, doi: <a href="https://doi.org/10.1016/j.actamat.2020.09.081">https://doi.org/10.1016/j.actamat.2020.09.081</a> . LIU Y., PU L., YANG Yong, HE Quanfeng, #ZHOU Ziqing, TAN C., ZHAO X., ZHANG Q., TU King Ning, "A high-entropy alloy as very low melting point solder for advanced electronic packaging", <i>Materials Today Advances</i> , 7, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.mtadv.2020.100101">https://doi.org/10.1016/j.mtadv.2020.100101</a> .
<b>Conference papers</b>	
ALI Zulfiqar	#ALI Zulfiqar, MA Weiyin, "PDE-Based and Solution-Dependent Parameterization for Isogeometric Analysis", <i>14th World Congress on Computational Mechanics (WCCM XIV), 8th European Congress on Computational Methods in Applied Science and Engineering (ECCOMAS 2020)</i> , Virtual, 11-15 January 2021.
DENG Wei	#DENG Wei, ZHAO Jiyun, "Molecular Dynamics Study of Pool Boiling on Patterned Biphilic Surface", <i>2021 ANS Virtual Annual Meeting</i> , pp 706-709.
LI Yuanjie	#LI Yuanjie, REN Shuai, PAN Chin, "Experimental Study of Boiling Characteristics of Seawater After an Accidental Shutdown of the Pump", <i>2020 International Conference on Nuclear</i>

Section A: Publications of PhD Students

	<i>Engineering collocated with the ASME 2020 Power Conference</i> , Virtual Conference, Anaheim, United States, 04-05 August 2020, (ISBN: 9780791883785).
<b>LIU Meng</b>	# <u>LIU Meng</u> , <u>LI You Fu</u> , LIU Hai, "Towards Robust Auto-calibration for Head-mounted Gaze Tracking Systems", <i>2020 IEEE International Conference on Mechatronics and Automation (ICMA)</i> , Beijing, China, 13-16 October 2020, pp 588-593, (ISBN: 9781728164151,978172864168).
	# <u>LIU Meng</u> , <u>LI You Fu</u> , LIU Hai, "3D Gaze Estimation for Head-Mounted Devices based on Visual Saliency", <i>2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)</i> , Virtual, Las Vegas, United States, 25-29 October 2020, pp 10611-10616, (ISBN: 9781728162126,9781728162133).
<b>XU Wanghuai</b>	# <u>XU Wanghuai</u> , <u>WANG Zuankai</u> , "Nature-Inspired Surfaces for Water-Energy Nexus", <i>2021 21st International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers)</i> , Virtual, Orlando, United States, 20-25 June 2021, pp 501-504, (ISBN: 9781665412674,9781665448451).
<b>YANG Renhua</b>	# <u>YANG Renhua</u> , # <u>QIAN Jingui</u> , <u>LEE En-yuan Joshua</u> , "BOOSTING Q OF <100> ALIGNED ALN-ON-SILICON LATERALLY VIBRATING RESONATORS BY WIDE ACOUSTIC BANDGAP PHONONIC CRYSTAL ANCHORS", <i>2021 21st International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers)</i> , Virtual, Orlando, United States, 20-25 June 2021, pp 1375-1378, (ISBN: 978-0-7381-2562-6,978-1-6654-1267-4,978-1-6654-4845-1).
	# <u>QIAN Jingui</u> , # <u>YANG Renhua</u> , # <u>BEGUM Habiba</u> , <u>LEE En-yuan Joshua</u> , "RECONFIGURABLE ACOUSTOFLUIDIC MANIPULATION OF PARTICLES IN RING-LIKE RICH PATTERNS ENABLED ON A BULK MICROMACHINED SILICON CHIP", <i>2021 21st International Conference on Solid-State Sensors, Actuators and Microsystems (Transducers)</i> , Virtual, Orlando, United States, 20-25 June 2021, pp 365-368, (ISBN: 978-0-7381-2562-6,978-1-6654-1267-4,978-1-6654-4845-1).
	# <u>QIAN Jingui</u> , # <u>BEGUM Habiba</u> , # <u>YANG Renhua</u> , <u>LEE En-yuan Joshua</u> , "ACOUSTICALLY DRIVEN DROPLET CENTRIFUGATION ENABLED BY FREQUENCY OPERATIONS BEYOND PHONONIC BANDGAPS", <i>2021 IEEE 34th International Conference on Micro Electro Mechanical Systems (MEMS)</i> , Online, Gainesville, United States, 25-29 January 2021, pp 172-175, (ISBN: 978-1-6654-1912-3,978-1-6654-3024-1).
<b>Patents, agreements, assignments and companies</b>	
<b>YAO Lu</b>	<u>GAO Yuan</u> , <u>LU Jian</u> , <u>TANG Tao</u> , # <u>YAO Lu</u> , Energy Absorbing Box And Method for Manufacturing Energy Absorbing Box, Patent No.: ZL201710785454.8, China, 17 July 2020.
<b>All other outputs</b>	
<b>BAO Yan</b>	# <u>BAO Yan</u> , <i>Titanium-based Supra-nano Amorphous-crystalline Films: Processings and Mechanical Properties</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 10 September 2020.
<b>BU Yu</b>	# <u>BU Yu</u> , <i>Study on Optical and Mechanical Properties of Magnesium Based Composites Prepared by Magnetron Sputtering</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 21 July 2020.
<b>CAO Zhaowenbo</b>	# <u>CAO Zhaowenbo</u> , <i>3D Printing of Elastomer-Derived Ceramics and Related Application Research in Gas Turbine Engines</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 08 June 2021.
<b>CHENG Yaqi</b>	# <u>CHENG Yaqi</u> , <i>Understanding and Controlling Condensation Phenomena on Hierarchically Engineered Surfaces</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 29 December 2020.
<b>CHUNG Dukhyun</b>	# <u>CHUNG Dukhyun</u> , <i>Fracture of Multi-principal Element Metallic Composites Based on Chemically Complex Intermetallics and FCC</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 28 August 2020.
<b>CUI Miaomiao</b>	# <u>CUI Miaomiao</u> , <i>Mangrove Inspired Anticorrosion Strategies: Smart Repellent Anticorrosion Coating and Natural Inhibitor</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 08 June 2021.
<b>DANG Chaoqun</b>	# <u>DANG Chaoqun</u> , <i>Nanomechanics of Ultra-strength Materials: Diamond and Tungsten</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 21 October 2020.

Section A: Publications of PhD Students

<b>DING Zhaoyi</b>	# <u>DING Zhaoyi</u> , <i>The Design and Development of Eutectic High Entropy Alloys with Excellent Mechanical and Functional Properties</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 22 July 2020.
<b>EZE Chika Michael</b>	# <u>EZE Chika Michael</u> , <i>Study on the Mitigation of Heat Transfer Deterioration of Fluids at Supercritical Pressures</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 03 September 2020.
<b>FAN Sufeng</b>	# <u>FAN Sufeng</u> , <i>Nanomechanics of Wide-Bandgap Semiconductors (GaN and 4H-SiC)</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 19 August 2020.
<b>FENG Xiaobin</b>	# <u>FENG Xiaobin</u> , <i>Fabrication and Mechanics of Low-stacking Fault Energy (SFE) Multicomponent Alloy films and Their Metallic Metamaterial Applications</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 28 May 2021.
<b>HAO Fengqian</b>	# <u>HAO Fengqian</u> , <i>The Study of SMAT Based Multistable Nanomaterials for Wing Morphing and Energy Harvesting</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 29 July 2020.
<b>JIN Yuankai</b>	# <u>JIN Yuankai</u> , <i>Prevention and Utilization of Electrostatic Charges</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 04 June 2021.
<b>LI Minfei</b>	# <u>LI Minfei</u> , <i>Adjustable Wetting Phenomena of Liquid Metal on Substrate with Water</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 17 December 2020.
<b>LIU Huaqiang</b>	# <u>LIU Huaqiang</u> , <i>Applications of Advanced Multiscale Simulations in Thermal Performance Improvement of Energy Systems</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 17 November 2020.
<b>LIU Meng</b>	# <u>LIU Meng</u> , <i>Towards Flexible 3D Gaze Estimation Based on Head-mounted Eye Tracking Systems</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 29 June 2021.
<b>LIU Minjie</b>	# <u>LIU Minjie</u> , <i>Understanding and Controlling Droplet Dynamics at High Temperatures</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 30 November 2020.
<b>LYU Fucong</b>	# <u>LYU Fucong</u> , <i>Rational Construction of Low-Dimensional Transition Metal Based Material for Energy Storage and Conversion</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 10 September 2020.
<b>OLUGBADE Temitope Olumide</b>	# <u>OLUGBADE Temitope Olumide</u> , <i>Role of Surface Nanocrystallization on the Corrosion Resistance and Stress Corrosion Cracking (SCC) Behaviour of Stainless Steels</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 09 July 2020.
<b>PAN Lulu</b>	# <u>PAN Lulu</u> , <i>Study of Thermal Barrier Coating: Processing, Residual Stress and CMAS (CaO-MgO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub>) Corrosion Resistance</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 11 June 2021.
<b>SURJADI James Utama</b>	# <u>SURJADI James Utama</u> , Best Student Presentation Award, Awarded the Best Student Presentation Award during The 24th Annual Conference of HKSTAM 2020, The 24th Annual Conference of HKSTAM 2020 in conjunction with the 16th Shanghai–Hong Kong Forum on Mechanics and Its Application, Hong Kong Society of Theoretical and Applied Mechanics (HKSTAM), Hong Kong, 05 December 2020.
<b>XIE Shangzhen</b>	# <u>XIE Shangzhen</u> , <i>Experimental and Numerical Investigations on the CHF Enhancement by Advanced Surface Modifications in Pool Boiling</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 14 April 2021.
<b>XU Jiajun</b>	# <u>XU Jiajun</u> , <i>Design and Human-Robot Interaction Control of Multi-Mode Lower Extremity Rehabilitation Robot</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 04 June 2021.
<b>YAO Lu</b>	# <u>YAO Lu</u> , <i>Research and Development of Energy Absorption System Using Nanostructured Metallic Materials</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 11 September 2020.

Section A: Publications of PhD Students

<b>ZHENG Huanxi</b>	#ZHENG Huanxi, <i>Designing Patterned Wetting Surfaces for Multiple Applications</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 24 December 2020.
<b>ZHONG Hongmei</b>	#ZHONG Hongmei, <i>Materials and Applications of Daytime Radiative Cooling</i> , PhD Thesis, Department of Mechanical Engineering, City University of Hong Kong, Hong Kong, PRC, 04 June 2021.
<b>DEPARTMENT OF SYSTEMS ENGINEERING AND ENGINEERING MANAGEMENT</b>	
<b>Journal publications</b>	
<b>CHEN Wenjie</b>	#CHEN Wenjie, GUO Hainan, TSUI Kwok Leung, "An Adaptive Gaussian Process-Based Search for Stochastically Constrained Optimization via Simulation", <i>IEEE Transactions on Automation Science and Engineering</i> , 26 August 2020, doi: <a href="https://doi.org/10.1109/TASE.2020.3016489">https://doi.org/10.1109/TASE.2020.3016489</a> .
<b>HUANG Shuo</b>	MENG Fanbing, YANG Jun, #HUANG Shuo, "Hypothesis testing of process capability index $C_{pk}$ from the perspective of generalized fiducial inference", <i>Quality and Reliability Engineering International</i> , 37(4), 03 December 2020, pp 1578-1598, doi: <a href="https://doi.org/10.1002/qre.2814">https://doi.org/10.1002/qre.2814</a> .
	CHONG Zhi Lin, #HUANG Shuo, MUKHERJEE Amitava, YANG Jun, "Performance comparisons of distribution-free Shewhart-type Lepage and Cucconi schemes in monitoring complex process distributions", <i>Transactions of the Institute of Measurement and Control</i> , 42(14), 02 July 2020, pp 2787-2811, doi: <a href="https://doi.org/10.1177/0142331220932466">https://doi.org/10.1177/0142331220932466</a> .
<b>MAHMOOD Tahir</b>	ZWETSLOOT Inez, #MAHMOOD Tahir, WOODALL William H., "Multivariate time-between-events monitoring: An overview and some overlooked underlying complexities", <i>Quality Engineering</i> , 33(1), 24 July 2020, pp 13-25, doi: <a href="https://doi.org/10.1080/08982112.2020.1788717">https://doi.org/10.1080/08982112.2020.1788717</a> .
	#MAHMOOD Tahir, BALAKRISHNAN Narayanaswamy, XIE Min, "The generalized linear model-based exponentially weighted moving average and cumulative sum charts for the monitoring of high-quality processes", <i>Applied Stochastic Models in Business and Industry</i> , 23 March 2021, doi: <a href="https://doi.org/10.1002/asmb.2612">https://doi.org/10.1002/asmb.2612</a> .
	RIZWAN Komal, RASHEED Tahir, #KHAN Shakeel Ahmad, BILAL Muhammad, #MAHMOOD Tahir, "Current perspective on diagnosis, epidemiological assessment, prevention strategies, and potential therapeutic interventions for severe acute respiratory infections caused by 2019 novel coronavirus (SARS-CoV-2)", <i>Human Vaccines and Immunotherapeutics</i> , 16(12), 03 September 2020, pp 3001-3010, doi: <a href="https://doi.org/10.1080/21645515.2020.1794684">https://doi.org/10.1080/21645515.2020.1794684</a> .
	RIAZ M., SAEED Usman, #MAHMOOD Tahir, ABBAS Nasir, ABBASI Saddam Akber, "An Improved Control Chart for Monitoring Linear Profiles and Its Application in Thermal Conductivity", <i>IEEE Access</i> , 8, 01 July 2020, pp 120679-120693, doi: <a href="https://doi.org/10.1109/ACCESS.2020.3006449">https://doi.org/10.1109/ACCESS.2020.3006449</a> .
<b>MASURKAR Faez Aziz</b>	#MASURKAR Faez Aziz, #NG Kim Ming, TSE Wai Tat Peter, YELVE Nitesh P, "Interrogating the health condition of rails using the narrowband Rayleigh waves emitted by an innovative design of non-contact laser transduction system", <i>Structural Health Monitoring</i> , 02 November 2020, doi: <a href="https://doi.org/10.1177/1475921720967600">https://doi.org/10.1177/1475921720967600</a> .
<b>PEI Hanyu</b>	#PEI Hanyu, YIN Beibei, XIE Min, CAI Kai-Yuan, "Dynamic random testing with test case clustering and distance-based parameter adjustment", <i>Information and Software Technology</i> , 131, 29 October 2020, doi: <a href="https://doi.org/10.1016/j.infsof.2020.106470">https://doi.org/10.1016/j.infsof.2020.106470</a> .
<b>PENG Lu</b>	#PENG Lu, CHAN Hoi Shou Alan, "Influential factors associated with construction managers' propensity to implement safety measures for older workers", <i>Safety Science</i> , 141, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.ssci.2021.105349">https://doi.org/10.1016/j.ssci.2021.105349</a> .
<b>TAIWO Enayon Sunday</b>	#TAIWO Enayon Sunday, CHEN Youhua Frank, CHIN Kwai Sang, "Outpatient appointment scheduling with walk-ins in fixed arrival periods", <i>IIE Transactions on Healthcare Systems Engineering</i> , 10(4), 24 August 2020, pp 261-276, doi: <a href="https://doi.org/10.1080/24725579.2020.1801909">https://doi.org/10.1080/24725579.2020.1801909</a> .
<b>Conference papers</b>	
<b>MAN Nga</b>	#MAN Nga, MAN Siu Shing, ZHANG Tingru, CHAN Wing Hong, CHAN Hoi Shou Alan, "Psychological Assessment for Bus Captain Selection", <i>Proceedings of the 21st Congress of the International Ergonomics Association (IEA 2021) - Volume IV: Healthcare and Healthy Work</i> , Virtual, 13-18 June 2021, pp 106-111, (ISBN: 9783030746100,9783030746117).

Section A: Publications of PhD Students

<b>MASURKAR Faez Aziz</b>	#MASURKAR Faez Aziz, TSE Wai Tat Peter, YELVE Nitesh, ROSTAMI Javad, "Development of Lamb and Rayleigh Wave-Based Nonlinearity Parameters for Estimating the Remnant Life of Fatigued Plate Structures", <i>European Workshop on Structural Health Monitoring - Special Collection of 2020 Papers</i> , pp 149-160, (ISBN: 978-3-030-64593-9,978-3-030-64594-6,978-3-030-64596-0).
	ROSTAMI Javad, #MASURKAR Faez Aziz, TSE Wai Tat Peter, YELVE Nitesh, #HOU Zeyu, "An Adaptive Wavelet Library to Detect Surface Defects in Rail Tracks Using a Laser Ultrasonic System", <i>European Workshop on Structural Health Monitoring - Special Collection of 2020 Papers</i> , 06-09 July 2020, pp 181-189, (ISBN: 978-3-030-64593-9,978-3-030-64594-6).
<b>PENG Lu</b>	#YU Wing Lam, YUEN Wai Hung, #PENG Lu, CHAN Hoi Shou Alan, "Acceptance Level of Older Chinese People Towards Video Shooting Games", <i>Human Aspects of IT for the Aged Population - Healthy and Active Aging - 6th International Conference, ITAP 2020, Proceedings, Part II</i> , Copenhagen, Denmark, 19-24 July 2020, pp 707-718, (ISBN: 9783030502485,9783030502492).
	#PENG Lu, #YU Wing Lam, CHAN Hoi Shou Alan, YIM Hin Piu, "Chronic Health Problems of Older Workers and Their Occupational Safety: A Meta-Analysis", <i>Human Aspects of IT for the Aged Population - Healthy and Active Aging - 6th International Conference, ITAP 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Proceedings</i> , AC Bella Sky Hotel and Bella Center (Virtual), Copenhagen, Denmark, 19-24 July 2020, pp 365-380, (ISBN: 9783030502485,9783030502492).
<b>TAIWO Enayon Sunday</b>	#TAIWO Enayon Sunday, CHEN Youhua Frank, CHIN Kwai Sang, SAVIN Sergei, "Appointment Scheduling for Physician-Nurse Teams", <i>31st Annual Conference of the Production and Operations Management Society (POMS 2021)</i> , Virtual, 30 April - 05 May 2021.
<b>All other outputs</b>	
<b>AJADI Jimoh Olawale</b>	#AJADI Jimoh Olawale, <i>Control Charts for Process Dispersion in Statistical Process Monitoring</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 12 October 2020.
<b>CHEN Wenjie</b>	#CHEN Wenjie, <i>Advanced Methods to Solve Stochastically Constrained Simulation Optimization: Theory and Applications</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 24 August 2020.
<b>FENG Yun</b>	#FENG Yun, <i>Abnormality Detection and Localization for Distributed Parameter Systems: Model-Based and Data-Driven Perspectives</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 05 August 2020.
<b>HONG Ning</b>	#HONG Ning, <i>Domain Knowledge Guided Feature Engineering Methods in Intelligent Transportation Systems</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 16 April 2021.
<b>HUANG Shuo</b>	#HUANG Shuo, <i>Design and Performance Investigation of Some Advanced Quality Control Charts</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 29 October 2020.
<b>MAHMOOD Tahir</b>	#MAHMOOD Tahir, <i>On the Enhancement of Statistical Methods for Process Monitoring</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 22 July 2020.
<b>MASURKAR Faez Aziz</b>	#MASURKAR Faez Aziz, <i>Guided Wave-Based Nonlinear Approach for Evaluating the Health Status of Metallic Plates, I-Beam and Rail Structures Using Wedge Transducer and Laser</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 07 August 2020.
<b>PEI Hanyu</b>	#PEI Hanyu, <i>Research on Software Dynamic Random Testing: Theory and Its Application in Cloud Testing</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 20 January 2021.
<b>PENG Lu</b>	#PENG Lu, <i>Challenges in Workforce Ageing: Enhancing Occupational Safety for Older Construction Workers in Hong Kong</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 17 July 2020.
<b>TAIWO Enayon Sunday</b>	#TAIWO Enayon Sunday, <i>Some Appointment Scheduling Policies for Healthcare Clinics with Heterogeneous System Characteristics</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 07 May 2021.

Section A: Publications of PhD Students

<b>WANG Xiaolin</b>	#WANG Xiaolin, <i>Design and Servicing of Product Warranties with Practical Motivations</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 29 July 2020.
<b>ZHU Jiawen</b>	#ZHU Jiawen, <i>Exploring the Impact of Paternalistic Leadership on Employees' Information Security Policy Compliance</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 26 February 2021.
<b>College of Liberal Arts and Social Sciences</b>	
<b>DEPARTMENT OF ASIAN AND INTERNATIONAL STUDIES</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>GORSKI Jędrzej</b>	ASEEVA Anna, #GORSKI Jędrzej, " <b>Conclusions - Current Trends, and Future Challenges and Opportunities of Law and Policy of Eurasian Regionalization</b> ", <i>The Law and Policy of New Eurasian Regionalization: - Economic Integration, Trade, and Investment in the Post-Soviet and Greater Eurasian Space</i> , Aseeva Anna and Górski Jędrzej (eds), Brill   Nijhoff, ISBN: 978-90-04-44786-8 ,978-90-04-44787-5, 25 January 2021, pp 634-638.
	ASEEVA Anna, #GORSKI Jędrzej, " <b>Introduction - W(h)ither Eurasian Regionalization?</b> ", <i>The Law and Policy of New Eurasian Regionalization: - Economic Integration, Trade, and Investment in the Post-Soviet and Greater Eurasian Space</i> , Aseeva Anna and Górski Jędrzej (eds), Brill   Nijhoff, ISBN: 978-90-04-44786-8 ,978-90-04-44787-5 , 25 January 2021, pp 1-16.
	MUMINOV Farruhbek, #GORSKI Jędrzej, " <b>Uzbekistan's New Bilateral Investment Treaty Standpoint - In Case of Uzbekistan-Turkey BIT (2018)</b> ", <i>The Law and Policy of New Eurasian Regionalization - Economic Integration, Trade, and Investment in the Post-Soviet and Greater Eurasian Space</i> , Aseeva Anna and Gorski Jędrzej (eds), Brill   Nijhoff, ISBN: 978-90-04-44786-8 ,978-90-04-44787-5 , 25 January 2021, pp 412-430 .
	ASEEVA Anna, #GORSKI Jędrzej, Editor, <i>The Law and Policy of New Eurasian Regionalization - Economic Integration, Trade, and Investment in the Post-Soviet and Greater Eurasian Space</i> , Brill, ISBN: 978-90-04-44786-8 ,978-90-04-44787-5 , 25 January 2021, 678 p.
<b>Journal publications</b>	
<b>CARMINATI Daniele</b>	#CARMINATI Daniele, "The economics of soft power: reliance on economic resources and instrumentality in economic gains", <i>Economic and Political Studies</i> , 25 January 2021, doi: <a href="https://doi.org/10.1080/20954816.2020.1865620">https://doi.org/10.1080/20954816.2020.1865620</a> .
	#CARMINATI Daniele, "Playing Safe or Taking Risks? Comparing China and Japan's Soft Power Strategies in Thailand", <i>Asian Politics and Policy</i> , 12(3), July 2020, pp 316-336, doi: <a href="https://doi.org/10.1111/aspp.12538">https://doi.org/10.1111/aspp.12538</a> .
<b>MCDERMOTT Gerard Brian</b>	#MCDERMOTT Gerard Brian, "The Last in a List of False Starts?: The MARA Initiative for South Thailand (2015-2019)", <i>Kyoto Review of Southeast Asia</i> , (28), September 2020.
<b>PAGAN SANCHEZ Antonio Jose</b>	#PAGAN SANCHEZ Antonio Jose, "INTERNAL TENSIONS AND ECONOMIC OPPORTUNITIES: EXPLAINING THE HETEROGENEOUS STANCE OF EU MEMBER STATES TOWARDS THE BELT AND ROAD INITIATIVE", <i>Revista Electronica de Estudios Internacionales</i> , (40), December 2020, doi: <a href="https://doi.org/10.17103/reei.40.13">https://doi.org/10.17103/reei.40.13</a> .
<b>Conference papers</b>	
<b>GARCIA Lermie Shayne Santos</b>	#GARCIA Lermie Shayne Santos, "Localising the National, Nationalising the Local: Strategies of 'Outsiders to National Politics' in Winning Presidential Elections", <i>15th Singapore Graduate Forum on Southeast Asian Studies</i> , Online via Zoom, 22-24 July 2020.
<b>All other outputs</b>	
<b>ENGLUND Johan Otto</b>	#ENGLUND Johan Otto, <i>The Advent of Global Mega Suppliers: Implications for Domestic Suppliers and the State</i> , PhD Thesis, Department of Asian and International Studies, City University of Hong Kong, Hong Kong, PRC, 22 January 2021.
<b>GORSKI Jędrzej</b>	CHAISSÉ Julien Laurent, #GORSKI Jędrzej, LARYEA Emmanuel, MBENGUE Makane Moïse, OLAOYE Kehinde Folake, Editor, <i>TDM</i> , June 2021 - June 2021.
<b>SANCHEZ CESAR Miriam Laura</b>	#SANCHEZ CESAR Miriam Laura, <i>China's Oil Investment and Financing in Latin America: Evidence from Three Different Countries</i> , PhD Thesis, Department of Asian and International Studies, City University of Hong Kong, Hong Kong, PRC, 11 September 2020.
<b>DEPARTMENT OF CHINESE AND HISTORY</b>	



## Section A: Publications of PhD Students

Scholarly books, monographs and chapters	
<b>GUSTAVSSON Rickard Sebastian</b>	#GUSTAVSSON Rickard Sebastian, "The Problem of Language and Reality in the <i>Xici</i> and Plato's <i>Cratylus</i> ", <i>The Making of the Global Yijing in the Modern World - Cross-cultural Interpretations and Interactions</i> , Ng Benjamin Wai-ming (ed), Springer, ISBN: 978-981-33-6227-7, 978-981-33-6228-4, 27 February 2021, pp 63-81.
<b>XU Quan</b>	#XU Quan, <i>歷雨迎鋒 - 國軍抗戰紀念碑考</i> , 黎明文化, ISBN: 9789571609133, 台北, 16 October 2020, 456 p.
Journal publications	
<b>TAN Jing</b>	#TAN Jing, "On the Formal Equivalence of Translating Classical Chinese Drama—Centered on the English translations of the Northern Drama <i>Han gong qiu</i> of the Yuan Dynasty", <i>Advances in Literary Study</i> , 9(2), 21 April 2021, pp 61-72, doi: <a href="https://doi.org/10.4236/als.2021.92008">https://doi.org/10.4236/als.2021.92008</a> .
<b>XU Yuji</b>	#XU Yuji, "地方史书写的可能与实践 - 兼评《保釐云间》与上海地方", <i>上海地方志</i> , 2021年(1 (总第 21 期)), 2021, pp 76-79, 96. #XU Yuji, "情迷汉字", <i>书屋</i> , (2), 06 February 2021, pp 66-67.
Conference papers	
<b>XU Yuji</b>	#XU Yuji, "裸女圖、火車與筆談: 晚清知識份子對明治日本的誤讀—以《鄭孝胥日記》為中心", <i>日照高山: 東亞文化意象與華文文學青年學者論壇</i> , Taiwan, 11-12 December 2020. #XU Yuji, "舊抒情與新媒介: 作為闡釋藍本與創作資源的古典文化—以《中國唱詩班》系列動畫為例", <i>第一屆華文創意寫作與跨媒體實踐國際研討會</i> , Open University of Hong Kong, Hong Kong, 21-22 May 2021.
Creative and literary works, consulting reports and case studies	
<b>XU Yuji</b>	#XU Yuji, "消失", 新詩, <i>城市文藝</i> , Vol 第十六卷 第三期 (總第 112 期), 香港城市文藝出版社有限公司, ISBN: 1818-7196, 香港, 20 June 2021, pp 93.
All other outputs	
<b>CHEN Ying</b>	#CHEN Ying, <i>視覺啟蒙: 民國時期面向兒童的電影教育與兒童電影 (1918-1949)</i> , PhD Thesis, Department of Chinese and History, City University of Hong Kong, Hong Kong, PRC, 24 August 2020.
<b>DONG Xianliang</b>	#DONG Xianliang, <i>政治、學術與醫學: 明代兩部本草典籍的製作</i> , PhD Thesis, Department of Chinese and History, City University of Hong Kong, Hong Kong, PRC, 07 October 2020.
<b>GUSTAVSSON Rickard Sebastian</b>	#GUSTAVSSON Rickard Sebastian, (Book / Software Review) "CHENG YI, <i>The Yi River Commentary on the Book of Changes</i> .", <i>Monumenta Serica</i> , 69 (1), 14 June 2021, pp 270-275, doi: <a href="https://doi.org/10.1080/02549948.2021.1910197">https://doi.org/10.1080/02549948.2021.1910197</a> .
<b>HUANG Zhan</b>	#HUANG Zhan, <i>考據學風下的義理傳統: 清中葉經學與漢宋調和</i> 研究, PhD Thesis, Department of Chinese and History, Department of Chinese and History, City University of Hong Kong, Hong Kong, PRC, 10 August 2020.
<b>OBIAKPANI-GUEST Edijana Ursula</b>	#OBIAKPANI-GUEST Edijana Ursula, <i>A New Socialist Man with Chinese Characteristics: Peasant Masculinity in Chinese Propaganda Posters (1953-1962)</i> , PhD Thesis, Department of Chinese and History, City University of Hong Kong, Hong Kong, PRC, 30 July 2020.
<b>WEI Yi</b>	#WEI Yi, <i>李賀閱讀與接受研究: 以「奇」為中心</i> , PhD Thesis, Department of Chinese and History, City University of Hong Kong, Hong Kong, PRC, 02 September 2020.
<b>XU Yuji</b>	#XU Yuji, (Book / Software Review) "他用心记下了“她们”: 读阎连科《她们》", 閻連科終於寫“她們”了。我似乎從未想過,當年在香港科技大學那半圓形的演講廳,一位頭髮花白、說話謙卑、語述緩和、帶領著我們分析克萊爾·吉根的短篇小說《南極》的男人會這般寫女人。就連表達自己對菲茨杰拉德的小說《了不起的蓋茨比》的不推崇,也是帶著猶豫和推測的語氣,說了一句“我也不知道它是怎麼變得‘經典’的”。春夏之交的香港,

## Section A: Publications of PhD Students

	陽光翻山越嶺,在冒著薄霧的海面上騰升幾番潮濕的蒸汽,將他上課的聲音延伸得頗為悠長。若我的記憶沒有出錯,我記得 ..., <i>書屋</i> , 2020 年(10), 06 October 2020, pp 75-77.
	#XU Yuji, (Book / Software Review) "南方的小鎮·潮汕的男女: 讀林培源《小鎮生活指南》", <i>香港文匯報</i> , 26 October 2020, pp A13.
	#XU Yuji, (Book / Software Review) "面對主體的黑暗·尋找救贖的自由: 讀劉再復《我的錯誤史》有感", <i>文綜</i> , (54), December 2020, pp 69-72.
<b>DEPARTMENT OF ENGLISH</b>	
<b>Journal publications</b>	
JIN Xina	PUN Jack, #JIN Xina, "Student challenges and learning strategies at Hong Kong EMI universities", <i>PLOS ONE</i> , 16(5), 07 May 2021, doi: <a href="https://doi.org/10.1371/journal.pone.0251564">https://doi.org/10.1371/journal.pone.0251564</a> .
YU Qianwen	#YU Qianwen, PUN Jack, "Promoting Patient Engagement in Medical Informed Consent: A Qualitative Study of Chinese Doctors' Communication Strategies", <i>Health Communication</i> , 03 June 2021, doi: <a href="https://doi.org/10.1080/10410236.2021.1932287">https://doi.org/10.1080/10410236.2021.1932287</a> .
<b>All other outputs</b>	
DAVIES Ffion Mary Rose	#DAVIES Ffion Mary Rose, (Book / Software Review) "Susanna Lee, <i>Detectives in the Shadows: A Hard-boiled History</i> . Johns Hopkins University Press, 2020.", <i>Crime Fiction Studies</i> , 2(1), February 2021, pp 113-115, doi: <a href="https://doi.org/10.3366/cfs.2021.0037">https://doi.org/10.3366/cfs.2021.0037</a> .
WU Junjie	#WU Junjie, <i>Understanding the Development of Out-of-class Learning: A Case Study of a Mobile-assisted Community of Inquiry</i> , PhD Thesis, Department of English, City University of Hong Kong, Hong Kong, PRC, 03 July 2020. #WU Junjie, International Virtual Exchange Conference Scholarship, IVEC, September 2020.
YU Qianwen	#YU Qianwen, PUN Jack, (Book / Software Review) "Book Review: The Secret Life of English-Medium Instruction in Higher Education: Examining Microphenomena in Context, David Block, Sarah Khan (Eds.). Routledge, London/New York (2020). p. 148 pp 9780367437725, 9781003005667.", <i>Journal of English for Academic Purposes</i> , 52, 16 June 2021, doi: <a href="https://doi.org/10.1016/j.jeap.2021.101023">https://doi.org/10.1016/j.jeap.2021.101023</a> .
<b>DEPARTMENT OF LINGUISTICS AND TRANSLATION</b>	
<b>Scholarly books, monographs and chapters</b>	
MUSUMECI Andrea	#MUSUMECI Andrea, "Community-based language planning - Bringing Sicilian folktales back to life", <i>Contested Languages - The hidden multilingualism of Europe</i> , Tamburelli Marco and Tosco Mauro (eds), John Benjamins Publishing Company, ISBN: 9789027208040,9789027260383, Netherlands, 21 January 2021, pp 185-198.
<b>Journal publications</b>	
FAN Xing	#FAN Xing, "'秘史' 之外的 '天时·地利·人和' - 《白鹿原》中的农业地理与地方记忆研究", <i>当代作家评论</i> , (2), March 2021, pp 137-143.
FU Sijing	#FU Sijing, "Communication Strategies for Chinese Documentaries from High-context to Low-context Culture: A Comparative Study of 'Wild China' of BBC and CCTV Version", <i>Journal of Literature and Art Studies</i> , 11(1), January 2021, pp 33-39, doi: <a href="https://doi.org/10.17265/2159-5836/2021.01.005">https://doi.org/10.17265/2159-5836/2021.01.005</a> .
GAN Tian	#GAN Tian, TSAI Cheng Yu, "The syntax of Mandarin dative alternation: An argument from quantifier scope interpretation", <i>International Journal of Chinese Linguistics</i> , 7(2), 10 December 2020, pp 187-222, doi: <a href="https://doi.org/10.1075/ijchl.20006.gan">https://doi.org/10.1075/ijchl.20006.gan</a> .
GAO Qingyu	#GAO Qingyu, LUN Suen Caesar, "汉语中级水平学习者与母语者的汉语短时记忆差异研究", <i>中文教学现代化学报</i> , 10(1), June 2021, pp 1-10.
HE Juan	#HE Juan, "'Why attacking the Bureau of Industry and Commerce?': news value flow to news comments on Chinese social media", <i>Media, Culture and Society</i> , 43(4), 24 March 2021, pp 733-749, doi: <a href="https://doi.org/10.1177/0163443721994433">https://doi.org/10.1177/0163443721994433</a> .

## Section A: Publications of PhD Students

<b>HE Tianqi</b>	#HE Tianqi, LIU Meichun, HE Hongfeng, "动素名词的概念转指及语义演变路径", <i>当代修辞学</i> , 2021 年(2 (总 224 期)), March 2021, pp 37-48, doi: <a href="https://doi.org/10.16027/j.cnki.cn31-2043/h.2021.02.004">https://doi.org/10.16027/j.cnki.cn31-2043/h.2021.02.004</a> .
<b>WANG Qiuchen</b>	#WANG Qiuchen, LI Bin, "利用问卷调查疫情时期的对外汉语线上教学", <i>中文教学现代化学报</i> , 9(2 (总第 18)), 02 December 2020, pp 24-33.
<b>XUE Wenting</b>	#XUE Wenting, LIU Meichun, POLITZER-AHLES Stephen, "Processing of Complement Coercion With Aspectual Verbs in Mandarin Chinese: Evidence From a Self-Paced Reading Study", <i>Frontiers in Psychology</i> , 12, 31 May 2021, doi: <a href="https://doi.org/10.3389/fpsyg.2021.643571">https://doi.org/10.3389/fpsyg.2021.643571</a> . #XUE Wenting, LIU Meichun, "Complement Coercion in Mandarin Chinese: Evidence from a Self-paced Reading Study", <i>Journal of Psycholinguistic Research</i> , 50(4), 18 November 2020, pp 757-776, doi: <a href="https://doi.org/10.1007/s10936-020-09744-1">https://doi.org/10.1007/s10936-020-09744-1</a> .
<b>YIP Yi Yuk Vivian</b>	#YIP Yi Yuk Vivian, CATEDRAL Lydia Hwa-Che Medill, "Perceiving (non)standardness and the indexicality of new immigrant Cantonese in Hong Kong", <i>Language &amp; Communication</i> , 79, 27 May 2021, pp 81-94, doi: <a href="https://doi.org/10.1016/j.langcom.2021.04.004">https://doi.org/10.1016/j.langcom.2021.04.004</a> .
<b>ZHANG Yahan</b>	#ZHANG Yahan, "何處覓明燈", <i>城市文藝</i> , 16(3 (總第 112 期)), 20 June 2021, pp 32-34.
<b>Conference papers</b>	
<b>CAI Tianyuan</b>	LEE John Sie Yuen, T'SOU Ka Yin Benjamin, #CAI Tianyuan, "Using Bilingual Patents for Translation Training", <i>Proceedings of the 28th International Conference on Computational Linguistics</i> , Online, Barcelona, Spain, 08-13 December 2020, pp 3461-3466, (ISBN: 978-1-952148-27-9).
<b>HE Juan</b>	#HE Juan, "News value and evaluative strategies - A comparative study of Chinese legacy news and social media news", <i>International Forum on Discursive Construction of a Community of Shared Future for Mankind</i> , Xiamen University, Xiamen, China, 02-05 April 2021.
<b>HE Mosi</b>	LI Bin, GUAN Qianwen, FAN Zixia, #HE Mosi, "Speech production in noise by Chinese learners of English", <i>8th International Conference on Experimental Phonetics (CIFE 2020)</i> , Online, Girona, Spain, 28-30 June 2021.
<b>LIN Qiuhan</b>	STUTZMAN Levi David, HARRISON Simon Mark, #LIN Qiuhan, #ZENG Xinyi, "Types, resolutions, and gestures of language-related episodes: A corpus study of their relations in L2 interaction", <i>6th International Conference of Asia-Pacific LSP &amp; Professional Communication Association (LSPCC6)</i> , City University of Hong Kong (Online), Hong Kong, China, 03-05 June 2021.
<b>LUO Kangte</b>	YAN Xiu, #LUO Kangte, "为视障人士提供语言服务 - 口述影像实践及相关政策调查", "中国语言生活皮书" 编纂十五周年暨第三届中国语言生活学术研讨会, The Commercial Press, 07-07 November 2020, pp 34. YAN Xiu, #LUO Kangte, "Assessing audio description quality in interpreting classes: problems found in students' live AD performance", <i>8th Advanced Research Seminar on Audio Description</i> , Online, 26-27 January 2021. #LUO Kangte, YAN Xiu, "Learning AD in a tertiary interpreting program: a learner perspective", <i>9th Media for All International Conference</i> , Online, Universitat Autònoma de Barcelona, 27-29 January 2021, pp 113-115. YAN Xiu, #LUO Kangte, "Enhancing second language skills through audio description training in a university interpreting program in Hong Kong", <i>3rd International Conference on English Across the Curriculum (EAC 2021)</i> , Hong Kong Polytechnic University, Hong Kong, 20-21 May 2021. YAN Xiu, #LUO Kangte, "Translation Studies in the New Millennium: The Importance and Future Development of Audio Description Theories and Practice", <i>Translation Studies in East Asia (2021EAST)</i> , Hong Kong Polytechnic University, Online, 11-12 June 2021, pp 59.
<b>MELSER David Anton</b>	#MELSER David Anton, LEE John Sie Yuen, "Transcubes: An Open, Web-scalable Platform for Radically Personalised L2 Development", <i>15th eLearning Forum Asia 2020</i> , The Chinese University of Hong Kong, Hong Kong, 07-08 December 2020.

Section A: Publications of PhD Students

<b>MUSUMECCI Andrea</b>	# <u>MUSUMECCI Andrea</u> , "La comunità come fondamento della pianificazione linguistica", <i>Lingue contestate: Il multilinguismo nascosto dell'Europa</i> , Internet, Lucca, Italy, 15-15 April 2021.
<b>SABERI Dariush</b>	# <u>SABERI Dariush</u> , <u>LEE John Sie Yuen</u> , <u>WEBSTER Jonathan James</u> , "Automatic Assistance for Academic Word Usage", <i>28th International Conference on Computational Linguistics (COLING'2020)</i> , Online, Barcelona, Spain, 08-13 December 2020, pp 2163–2168.
<b>XUE Shirong</b>	<u>LIU Meichun</u> , # <u>XUE Shirong</u> , "Cross-categorial verb and constructional distinction: A case study of the verb Ānwèi 'to comfort' in Mandarin", <i>Online Forum on Applicable Linguistics</i> , 07 July 2020.
<b>YE Yingying</b>	# <u>YE Yingying</u> , <u>LIU Meichun</u> , "Xian 显 as a degree adverb in Wenzhou dialect: A morpho-constructional analysis", <i>The 22nd Chinese Lexical Semantics Workshop</i> , Nanjing Normal University, Nanjing, China, 15-16 May 2021.
<b>ZENG Xinyi</b>	<u>STUTZMAN Levi David</u> , <u>HARRISON Simon Mark</u> , # <u>LIN Qiuhan</u> , # <u>ZENG Xinyi</u> , "Types, resolutions, and gestures of language-related episodes: A corpus study of their relations in L2 interaction", <i>6th International Conference of Asia-Pacific LSP &amp; Professional Communication Association (LSPCC6)</i> , City University of Hong Kong (Online), Hong Kong, China, 03-05 June 2021.
<b>Creative and literary works, consulting reports and case studies</b>	
<b>MUSUMECCI Andrea</b>	<u>WINTERBERG Philipp</u> , <u>WICHMANN Nadja</u> , # <u>MUSUMECCI Andrea</u> , <u>HAMER Sandra</u> , <u>HAMER David</u> , "Am I small? Sugnu nica iu?", <i>Am I small? Sugnu nica iu?</i> , Edition Bilingual, Independently Published, ISBN: 979-8678608482, 08 December 2020, 40 p.
<b>All other outputs</b>	
<b>GAN Tian</b>	# <u>GAN Tian</u> , <i>Quantifiers and Scope Ambiguity in Mandarin: Theoretical and Experimental Perspectives</i> , PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 22 March 2021.
<b>LI Xianhe</b>	# <u>LI Xianhe</u> , <i>On the Processing of Single-character Words in Chinese Reading: Evidence from Eye Movements</i> , PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 24 August 2020.
<b>SABERI Dariush</b>	# <u>SABERI Dariush</u> , <i>Providing Automatic Assistance for Academic English Writing: A Study on Nominalization and Lexical Choices</i> , PhD Thesis, Department of Linguistics and Translation, City University of Hong Kong, Hong Kong, PRC, 20 October 2020.
<b>WANG Xuan</b>	# <u>WANG Xuan</u> , Dr. Jennifer Cheung Postgraduate Student Awards, With the generous donation from Dr. Jennifer Cheung, the Department of Linguistics and Translation has newly established Dr. Jennifer Cheung Postgraduate Student Awards starting from 2019/20 academic year. The purpose of the Awards is to recognize students with outstanding research performance and widen students' academic exposure. , Dr. Jennifer Cheung, 15 December 2020.
<b>XUE Wenting</b>	# <u>XUE Wenting</u> , Outstanding Research Papers Awards, December 2020.
<b>DEPARTMENT OF MEDIA AND COMMUNICATION</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>LU Fangcao</b>	# <u>LU Fangcao</u> , <u>CHEN Peng</u> , "新媒体时代粉丝文化变迁驱动网络视听行业变革", <i>中国互联网络视听行业发展报告 (2020)</i> , 陈鹏 (ed), 社会科学文献出版社, ISBN: 978-7-5201-7441-1, November 2020, pp 172-185.
<b>Journal publications</b>	
<b>DAVIDSON Brenna Marie</b>	# <u>OKTAVIANUS Jeffrey</u> , # <u>DAVIDSON Brenna Marie</u> , <u>GUAN Lu</u> , "Framing and counter-framing in online collective actions: the case of LGBT protests in a Muslim nation", <i>Information, Communication and Society</i> , doi: <a href="https://doi.org/10.1080/1369118X.2021.1954232">https://doi.org/10.1080/1369118X.2021.1954232</a> .
<b>GUAN Lu</b>	<u>WANG Yuan</u> , # <u>GUAN Lu</u> , "Mapping the structures of international communication organizations' networks and cross-sector relationships on social media and exploring their antecedents", <i>Public Relations Review</i> , 46(4), 16 July 2020, doi: <a href="https://doi.org/10.1016/j.pubrev.2020.101951">https://doi.org/10.1016/j.pubrev.2020.101951</a> .
<b>HU Bo</b>	<u>LI Wu</u> , # <u>HU Bo</u> , "声音的传播魅力: 基于音频知识付费情境的实证研究", <i>新闻大学</i> , (12), 15 December 2020, pp 49-60, 120.

Section A: Publications of PhD Students

	<p>LI Wu, #HU Bo, "性格驱动与认同建立: 网络阅读社区用户行为研究", <i>现代传播(中国传媒大学学报)</i>, 2020(10 (总第 291 期)), October 2020, pp 140-147.</p> <p>LIU Yu-li, YAN Wenjia, #HU Bo, "Resistance to facial recognition payment in China: The influence of privacy-related factors", <i>Telecommunications Policy</i>, 45(5), 23 April 2021, doi: <a href="https://doi.org/10.1016/j.telpol.2021.102155">https://doi.org/10.1016/j.telpol.2021.102155</a>.</p>
<b>KASADHA Juma</b>	<p>MUYINGO Rajab Idd, MPOZA Abdulhamid , #KASADHA Juma, "Coronavirus in the era of digital connectivity: Opportunities and challenges", <i>Journal of Public Affairs</i>, 20(4), 02 August 2020, doi: <a href="https://doi.org/10.1002/pa.2246">https://doi.org/10.1002/pa.2246</a>.</p> <p>#KASADHA Juma, KANTONO Rehema , "Media representation and its impact on female candidates' electability in parliamentary elections: A content analysis of three Ugandan newspapers", <i>Journal of Public Affairs</i>, 26 January 2021, doi: <a href="https://doi.org/10.1002/pa.2616">https://doi.org/10.1002/pa.2616</a>, <a href="https://doi.org/10.1002/pa.2616">https://doi.org/10.1002/pa.2616</a>.</p>
<b>LU Fangcao</b>	<p>#SUN Yanqing, CHIA Chih Yun Stella, #LU Fangcao, #OKTAVIANUS Jeffry, "The Battle is On: Factors that Motivate People to Combat Anti-Vaccine Misinformation", <i>Health Communication</i>, 23 October 2020, doi: <a href="https://doi.org/10.1080/10410236.2020.1838108">https://doi.org/10.1080/10410236.2020.1838108</a>.</p> <p>#SUN Yanqing, #OKTAVIANUS Jeffry, #WANG Sai, #LU Fangcao, "The Role of Influence of Presumed Influence and Anticipated Guilt in Evoking Social Correction of COVID-19 Misinformation", <i>Health Communication</i>, 18 February 2021, doi: <a href="https://doi.org/10.1080/10410236.2021.1888452">https://doi.org/10.1080/10410236.2021.1888452</a>.</p>
<b>MIN Chen</b>	<p>#MIN Chen, SHEN Fei, #YU Wenting, "Removing Incivility from Google: What determines the number of government content take-down requests?", <i>Government Information Quarterly</i>, 38(1), 07 November 2020, doi: <a href="https://doi.org/10.1016/j.giq.2020.101542">https://doi.org/10.1016/j.giq.2020.101542</a>.</p> <p>#MIN Chen, SHEN Fei, #YU Wenting, CHU Yajie, "The relationship between government trust and preventive behaviors during the COVID-19 pandemic in China: Exploring the roles of knowledge and negative emotion", <i>Preventive Medicine</i>, 141, 19 October 2020, doi: <a href="https://doi.org/10.1016/j.ypmed.2020.106288">https://doi.org/10.1016/j.ypmed.2020.106288</a>.</p> <p>#MIN Chen, SHEN Fei, "Grievances, resources, or values? Predicting online citizen-initiated government contacts in China", <i>Telematics and Informatics</i>, 56, 06 August 2020, doi: <a href="https://doi.org/10.1016/j.tele.2020.101479">https://doi.org/10.1016/j.tele.2020.101479</a>.</p> <p>SHEN Fei, #MIN Chen, LU Ye, CHU Yajie, "The effect of cognition and affect on preventive behaviors during the COVID-19 pandemic: a cross-sectional study in China", <i>BMC Public Health</i>, 21, 14 April 2021, doi: <a href="https://doi.org/10.1186/s12889-021-10784-y">https://doi.org/10.1186/s12889-021-10784-y</a>.</p> <p>CHEN Qiang, #MIN Chen, ZHANG Wei, MA Xiaoyue, EVANS Richard, "Factors Driving Citizen Engagement With Government TikTok Accounts During the COVID-19 Pandemic: Model Development and Analysis", <i>Journal of Medical Internet Research</i>, 23(2), 04 February 2021, doi: <a href="https://doi.org/10.2196/21463">https://doi.org/10.2196/21463</a>.</p> <p>#MIN Chen, SHEN Fei, CHU Yajie, "Examining the relationship between knowledge and attitude extremity on genetic engineering technology: A conceptual replication study from China", <i>Journal of Environmental Psychology</i>, 75, 20 March 2021, doi: <a href="https://doi.org/10.1016/j.jenvp.2021.101585">https://doi.org/10.1016/j.jenvp.2021.101585</a>.</p>
<b>OKTAVIANUS Jeffry</b>	<p>#SUN Yanqing, CHIA Chih Yun Stella, #LU Fangcao, #OKTAVIANUS Jeffry, "The Battle is On: Factors that Motivate People to Combat Anti-Vaccine Misinformation", <i>Health Communication</i>, 23 October 2020, doi: <a href="https://doi.org/10.1080/10410236.2020.1838108">https://doi.org/10.1080/10410236.2020.1838108</a>.</p> <p>#SUN Yanqing, #OKTAVIANUS Jeffry, #WANG Sai, #LU Fangcao, "The Role of Influence of Presumed Influence and Anticipated Guilt in Evoking Social Correction of COVID-19 Misinformation", <i>Health Communication</i>, 18 February 2021, doi: <a href="https://doi.org/10.1080/10410236.2021.1888452">https://doi.org/10.1080/10410236.2021.1888452</a>.</p> <p>#OKTAVIANUS Jeffry, #DAVIDSON Brenna Marie, GUAN Lu, "Framing and counter-framing in online collective actions: the case of LGBT protests in a Muslim nation", <i>Information, Communication and Society</i>, doi: <a href="https://doi.org/10.1080/1369118X.2021.1954232">https://doi.org/10.1080/1369118X.2021.1954232</a>.</p>
<b>SHI Weiyang</b>	<p>ZHANG Hongzhong, #SHI Weiyang, "社交媒体兴起十年如何影响党报公信力变迁?", <i>新闻与传播研究</i>, (10), October 2020, pp 39-55, 126-127.</p>

Section A: Publications of PhD Students

<b>SUN Jie</b>	<u>WANG Yuan</u> , <u>CHENG Yang</u> , # <u>SUN Jie</u> , "When public relations meets social media: A systematic review of social media related public relations research from 2006 to 2020", <i>Public Relations Review</i> , 47(4), 29 June 2021, doi: <a href="https://doi.org/10.1016/j.pubrev.2021.102081">https://doi.org/10.1016/j.pubrev.2021.102081</a> .
<b>SUN Mengru</b>	# <u>SUN Mengru</u> , <u>JIANG Li Crystal</u> , "Interpersonal influences on self-management in the eHealth era: Predicting the uses of eHealth tools for self-care in America", <i>Health and Social Care in the Community</i> , 29(2), 27 July 2020, pp 464-475, doi: <a href="https://doi.org/10.1111/hsc.13107">https://doi.org/10.1111/hsc.13107</a> .
<b>SUN Yanqing</b>	# <u>SUN Yanqing</u> , <u>CHIA Cih Yun Stella</u> , # <u>LU Fangcao</u> , # <u>OKTAVIANUS Jeffry</u> , "The Battle is On: Factors that Motivate People to Combat Anti-Vaccine Misinformation", <i>Health Communication</i> , 23 October 2020, doi: <a href="https://doi.org/10.1080/10410236.2020.1838108">https://doi.org/10.1080/10410236.2020.1838108</a> . # <u>SUN Yanqing</u> , # <u>OKTAVIANUS Jeffry</u> , # <u>WANG Sai</u> , # <u>LU Fangcao</u> , "The Role of Influence of Presumed Influence and Anticipated Guilt in Evoking Social Correction of COVID-19 Misinformation", <i>Health Communication</i> , 18 February 2021, doi: <a href="https://doi.org/10.1080/10410236.2021.1888452">https://doi.org/10.1080/10410236.2021.1888452</a> .
<b>WANG Sai</b>	# <u>SUN Yanqing</u> , # <u>OKTAVIANUS Jeffry</u> , # <u>WANG Sai</u> , # <u>LU Fangcao</u> , "The Role of Influence of Presumed Influence and Anticipated Guilt in Evoking Social Correction of COVID-19 Misinformation", <i>Health Communication</i> , 18 February 2021, doi: <a href="https://doi.org/10.1080/10410236.2021.1888452">https://doi.org/10.1080/10410236.2021.1888452</a> . # <u>WANG Sai</u> , <u>KIM Ki Joon</u> , "Effects of victimization experience, gender, and empathic distress on bystanders' intervening behavior in cyberbullying", <i>The Social Science Journal</i> , 12 January 2021, doi: <a href="https://doi.org/10.1080/03623319.2020.1861826">https://doi.org/10.1080/03623319.2020.1861826</a> . # <u>WANG Sai</u> , "The Influence of Anonymity and Incivility on Perceptions of User Comments on News Websites", <i>Mass Communication and Society</i> , 23(6), 07 July 2020, pp 912–936, doi: <a href="https://doi.org/10.1080/15205436.2020.1784950">https://doi.org/10.1080/15205436.2020.1784950</a> . # <u>WANG Sai</u> , "Moderating Uncivil User Comments by Humans or Machines? The Effects of Moderation Agent on Perceptions of Bias and Credibility in News Content", <i>Digital Journalism</i> , 9(1), 04 December 2020, pp 64-83, doi: <a href="https://doi.org/10.1080/21670811.2020.1851279">https://doi.org/10.1080/21670811.2020.1851279</a> .
<b>WANG Xiaoting</b>	# <u>WANG Xiaoting</u> , <u>KOBAYASHI Tetsuro</u> , "Nationalism and political system justification in China: differential effects of traditional and new media", <i>Chinese Journal of Communication</i> , 20 August 2020, pp 139–156, doi: <a href="https://doi.org/10.1080/17544750.2020.1807372">https://doi.org/10.1080/17544750.2020.1807372</a> .
<b>WARUWU Kurniawan Barui</b>	# <u>WARUWU Barui Kurniawan</u> , "Smartphone mothering and mediated family display: Transnational family practices in a polymedia environment among Indonesian mothers in Hong Kong", <i>Mobile Media and Communication</i> , 09 March 2021, doi: <a href="https://doi.org/10.1177/2050157921998408">https://doi.org/10.1177/2050157921998408</a> .
<b>XIONG Bian</b>	# <u>XIONG Bian</u> , <u>LIN Fen</u> , "如何平衡治理效率與隱私保護？中國和新加坡新冠病毒接觸者追蹤應用程式隱私政策的文本分析", <i>International Journal of Chinese &amp; Comparative Philosophy of Medicine</i> , 18(1), September 2020, pp 113-143.
<b>YU Wenting</b>	# <u>YU Wenting</u> , <u>刘会</u> , "科学传播中的意识形态变迁 —— 基于美国人工智能报道的文本分析", <i>科学与社会</i> , 10(3), 25 September 2020, pp 111-124, doi: <a href="https://doi.org/10.19524/j.cnki.10-1009/g3.2020.03.111">https://doi.org/10.19524/j.cnki.10-1009/g3.2020.03.111</a> . # <u>YU Wenting</u> , "News Portrayals of Child Sexual Abuse in China: Changes from 2010 to 2019", <i>Journal of Child Sexual Abuse</i> , 13 March 2021, doi: <a href="https://doi.org/10.1080/10538712.2021.1897916">https://doi.org/10.1080/10538712.2021.1897916</a> . # <u>MIN Chen</u> , <u>SHEN Fei</u> , # <u>YU Wenting</u> , "Removing Incivility from Google: What determines the number of government content take-down requests?", <i>Government Information Quarterly</i> , 38(1), 07 November 2020, doi: <a href="https://doi.org/10.1016/j.giq.2020.101542">https://doi.org/10.1016/j.giq.2020.101542</a> . <u>DAI Yue</u> , # <u>YU Wenting</u> , <u>SHEN Fei</u> , "The Effects of Message Order and Debiasing Information in Misinformation Correction", <i>International Journal of Communication</i> , 15, February 2021, pp 1039-1059. # <u>MIN Chen</u> , <u>SHEN Fei</u> , # <u>YU Wenting</u> , <u>CHU Yajie</u> , "The relationship between government trust and preventive behaviors during the COVID-19 pandemic in China: Exploring the roles of knowledge and negative emotion", <i>Preventive Medicine</i> , 141, 19 October 2020, doi: <a href="https://doi.org/10.1016/j.ypmed.2020.106288">https://doi.org/10.1016/j.ypmed.2020.106288</a> .

Section A: Publications of PhD Students

	#YU Wenting, SHEN Fei, "Does fact-checking habit promote COVID-19 knowledge during the pandemic? Evidence from China", <i>Public Health</i> , 196, 24 May 2021, pp 85-90, doi: <a href="https://doi.org/10.1016/j.puhe.2021.05.005">https://doi.org/10.1016/j.puhe.2021.05.005</a> .
<b>ZHANG Yafei</b>	#ZHANG Yafei, WANG Lin, ZHU Jian Hua Jonathan, WANG Xiaofan, PENTLAND Alex 'Sandy', "The Strength of Structural Diversity in Online Social Networks", <i>Research</i> , 2021, 26 May 2021, doi: <a href="https://doi.org/10.34133/2021/9831621">https://doi.org/10.34133/2021/9831621</a> .
	#ZHANG Yafei, WANG Lin, ZHU Jian Hua Jonathan, WANG Xiaofan, "Viral vs. broadcast: Characterizing the virality and growth of cascades", <i>EPL</i> , 131(2), July 2020, doi: <a href="https://doi.org/10.1209/0295-5075/131/28002">https://doi.org/10.1209/0295-5075/131/28002</a> .
	#ZHANG Yafei, WANG Lin, ZHU Jian Hua Jonathan, WANG Xiaofan, "Conspiracy vs science: A large-scale analysis of online discussion cascades", <i>World Wide Web</i> , 24(2), 27 January 2021, pp 585–606, doi: <a href="https://doi.org/10.1007/s11280-021-00862-x">https://doi.org/10.1007/s11280-021-00862-x</a> .
<b>ZHANG Yansong</b>	#ZHANG Yansong, 徐德骥, "重返意义: 社会科学要说点什么吗", <i>中国图书评论</i> , 2020年(10), October 2020, pp 36-46.
<b>ZHOU Yixin</b>	#ZHOU Yixin, ZHANG Zheng, WANG Kexin, CHEN Shuang, ZHOU Mingjie, ZHANG Jianxin, "Personality and emerging adults' friend selection on social networking sites: A social network analysis perspective", <i>PsyCh Journal</i> , 10(1), 08 October 2020, pp 62-75, doi: <a href="https://doi.org/10.1002/pchj.404">https://doi.org/10.1002/pchj.404</a> .
	#ZHOU Yixin, ZHANG Zheng, WANG Kexin, CHEN Shuang, ZHOU Mingjie, "How Social Media Shapes One's Public Mood: The Three-Way Interaction Effect of Sphere, Information Valence, and Justice Sensitivity", <i>Journal of Pacific Rim Psychology</i> , 15, January 2021, doi: <a href="https://doi.org/10.1177/1834490921991425">https://doi.org/10.1177/1834490921991425</a> .
<b>Conference papers</b>	
<b>CHEN Zhicong</b>	#CHEN Zhicong, JARDINE Eric, LIU Xiaofan, "Examining the Information Pathways Leading to the Darknet: A Cross-National Analysis", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
	#CHEN Zhicong, LIU Xiaofan, "Why Do Users Leave Anonymous Online Communities? An Exploratory Study of the Silk Road Forum on the Dark Web", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
<b>DAVIDSON Brenna Marie</b>	#DAVIDSON Brenna Marie, #OKTAVIANUS Jeffry, "What to watch? Text-image relationship strategies and their use on framing the 2019 Hong Kong protests on YouTube", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i> , Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.
	#OKTAVIANUS Jeffry, #DAVIDSON Brenna Marie, #GUAN Lu, "Silencing Terrorists: An Analysis of Online Counter-Narrative Campaign to Fight Terrorism in a Muslim Nation", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
<b>GUAN Lu</b>	#OKTAVIANUS Jeffry, #DAVIDSON Brenna Marie, #GUAN Lu, "Silencing Terrorists: An Analysis of Online Counter-Narrative Campaign to Fight Terrorism in a Muslim Nation", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
<b>HU Bo</b>	#HU Bo, LIU Yu-li, YAN Wenjia, "Should I Scan My Face? The Influence of Perceived Value and Trust on Chinese Users' Intention to Use Facial Recognition Payment", <i>The 23rd Biennial Conference of the International Telecommunications Society</i> , 20-23 June 2021.
	LIU Yu-li, YAN Wenjia, #HU Bo, "Resistance to Facial Recognition Payment in China: An Extended Privacy Calculus Model", <i>The 71th Annual ICA Conference</i> , Virtual, 27-31 May 2021.
<b>JIA Wufan</b>	PARK Jee Yun, #JIA Wufan, LEE Hye Eun, "Does Exposure to Alcohol-Related Content on Social Media Increase Alcohol-related Posting Behavior?: A Cross-Cultural Comparison between the US and South Korea", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
	DAI Yue, KIM Ji Won, #JIA Wufan, "Reducing Stockpiling During Public Health Pandemic: The Effects of Victim Narrative and Social Endorsement of User-generated Content on Social Media", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
<b>KASADHA Juma</b>	#KASADHA Juma, #MASOOD Muhammad, "The "brand" Islamic: Challenges and opportunities for communications", <i>2020 Annual Conference of the International Association for Media and Communication Research (IAMCR 2020)</i> , Online, 07-12 July 2020.

Section A: Publications of PhD Students

<b>LIN Sixian</b>	# <u>LIN Sixian</u> , # <u>ZHI Pei</u> , <u>LIN Fen</u> , WU Alfred Muluan, "The salient majority?: The hybridized identity between 'Hongkonger' and 'Chinese' in post-Umbrella Hong Kong", <i>IAMCR Tampere 2020</i> , Tampere University (Online), Tampere, Finland, 12-17 July 2020.
<b>LU Fangcao</b>	<p>#<u>LU Fangcao</u>, #<u>SUN Yanqing</u>, #<u>OKTAVIANUS Jeffry</u>, "Resistance to masks during the COVID-19 pandemic: How user comments and presumed influence on others drive psychological reactance to health campaigns", <i>The 12th Graduate Student Annual Conference, The Chinese Journalism and Communication Consortium</i>, Online, 新北市, Taiwan, 05-05 June 2021.</p> <p>#<u>LU Fangcao</u>, #<u>OKTAVIANUS Jeffry</u>, #<u>SUN Yanqing</u>, "The effects of patient-provider communication on cancer patients' depression and anxiety: The uncertainty reduction and expectancy violations approaches", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i>, Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.</p> <p>#<u>LU Fangcao</u>, #<u>SUN Yanqing</u>, <u>CHIA Chih Yun Stella</u>, "From Parasocial Interaction to Multisocial Interaction: Examining Fan Labor Behavior and Its Antecedents", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i>, Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.</p> <p><u>CHIA Chih Yun Stella</u>, #<u>LU Fangcao</u>, #<u>SUN Yanqing</u>, "Tracking the Influence of Misinformation on Elderly People's Perceptions and Intention to Accept COVID-19 Vaccines", <i>71st Annual International Communication Association Conference (ICA21)</i>, Virtual, 27-31 May 2021.</p> <p>#<u>LU Fangcao</u>, <u>CHIA Chih Yun Stella</u>, "When Virtual Makeover Becomes "Real": How SNSs Interactions Drive Selfie-Editing and Cosmetic Surgery", <i>71st Annual International Communication Association Conference (ICA21)</i>, Virtual, 27-31 May 2021.</p> <p>#<u>LU Fangcao</u>, #<u>SUN Yanqing</u>, #<u>OKTAVIANUS Jeffry</u>, "The Face Mask Debate: How User Comments and Presumed Influence Drive Psychological Reactance to Health Campaigns and Adverse Health Outcomes", <i>71st Annual International Communication Association Conference (ICA21)</i>, Virtual, 27-31 May 2021.</p>
<b>MASOOD Muhammad</b>	<p>#<u>MOSKOVLJEVIC Milos</u>, #<u>MASOOD Muhammad</u>, "#INSTAPOLITICS: How Politicians in Post-Yugoslav Countries Use Instagram in Order to Self-Present Themselves?", <i>American Association for Public Opinion Research 76th Annual Conference (AAPOR 2021)</i>, Virtual, 11-14 May 2021.</p> <p>#<u>MASOOD Muhammad</u>, "Construction of blurred social boundaries on Twitter: Discourse analysis of #JusticeForNimrta movement in Pakistan", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i>, Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.</p> <p>#<u>MASOOD Muhammad</u>, <u>CHAN Eugene Yat-him</u>, <u>GABUL Zelalem Jabessa</u>, "Factors enhancing interpersonal communication in cross-cultural marriage: A survey studying South Asian-Chinese and Afro-Chinese couples in Hong Kong", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i>, Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.</p> <p>#<u>MASOOD Muhammad</u>, "China in Gilgit-Baltistan: A comparative analysis of Pakistani and Indian newspapers", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i>, Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.</p> <p>#<u>KASADHA Juma</u>, #<u>MASOOD Muhammad</u>, "The "brand" Islamic: Challenges and opportunities for communications", <i>2020 Annual Conference of the International Association for Media and Communication Research (IAMCR 2020)</i>, Online, 07-12 July 2020.</p> <p>#<u>MASOOD Muhammad</u>, "Examining Knowledge and Engagement of Digitally Connected and Unconnected Communities: A Qualitative Natural Experiment", <i>71st Annual International Communication Association Conference (ICA21)</i>, Virtual, 27-31 May 2021.</p> <p>#<u>MASOOD Muhammad</u>, #<u>MENG Xiang</u>, <u>SKORIC Marko</u>, "Trust in religious others: A three-way interaction model of religious bias, informational new media use and education", <i>71st Annual International Communication Association Conference (ICA21)</i>, Virtual, 27-31 May 2021.</p> <p>#<u>MASOOD Muhammad</u>, "News media use and a militaristic attitude: Evidence from Indian and Pakistani citizens", <i>73rd World Association for Public Opinion Research Annual Conference (WAPOR 2020)</i>, Virtual, 06-10 October 2020.</p>



Section A: Publications of PhD Students

<b>MENG Xiang</b>	#MASOOD Muhammad, #MENG Xiang, SKORIC Marko, "Trust in religious others: A three-way interaction model of religious bias, informational new media use and education", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
<b>MOSKOVLEVIC Milos</b>	#MOSKOVLEVIC Milos, #MASOOD Muhammad, "#INSTAPOLITICS: How Politicians in Post-Yugoslav Countries Use Instagram in Order to Self-Present Themselves?", <i>American Association for Public Opinion Research 76th Annual Conference (AAPOR 2021)</i> , Virtual, 11-14 May 2021.
<b>OKTAVIANUS Jeffry</b>	#LU Fangcao, #SUN Yanqing, #OKTAVIANUS Jeffry, "Resistance to masks during the COVID-19 pandemic: How user comments and presumed influence on others drive psychological reactance to health campaigns", <i>The 12th Graduate Student Annual Conference, The Chinese Journalism and Communication Consortium</i> , Online, 新北市, Taiwan, 05-05 June 2021.
	#LU Fangcao, #OKTAVIANUS Jeffry, #SUN Yanqing, "The effects of patient-provider communication on cancer patients' depression and anxiety: The uncertainty reduction and expectancy violations approaches", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i> , Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.
	#OKTAVIANUS Jeffry, "Battling the Invisible: Migrant Domestic Workers' Connections to Storytelling Networks During Public Health Crises", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i> , Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.
	#DAVIDSON Brenna Marie, #OKTAVIANUS Jeffry, "What to watch? Text-image relationship strategies and their use on framing the 2019 Hong Kong protests on YouTube", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i> , Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.
	#OKTAVIANUS Jeffry, #DAVIDSON Brenna Marie, #GUAN Lu, "Silencing Terrorists: An Analysis of Online Counter-Narrative Campaign to Fight Terrorism in a Muslim Nation", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
	#LU Fangcao, #SUN Yanqing, #OKTAVIANUS Jeffry, "The Face Mask Debate: How User Comments and Presumed Influence Drive Psychological Reactance to Health Campaigns and Adverse Health Outcomes", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
<b>SONG Chuling</b>	#SONG Chuling, LIU Yu-li, "The Effect of Live-streaming Shopping on Consumer's Perceived Risk and Purchase Intention in China", <i>The 23rd Biennial Conference of the International Telecommunications Society</i> , Virtual, 20-23 June 2021.
<b>SUN Yanqing</b>	#LU Fangcao, #SUN Yanqing, #OKTAVIANUS Jeffry, "Resistance to masks during the COVID-19 pandemic: How user comments and presumed influence on others drive psychological reactance to health campaigns", <i>The 12th Graduate Student Annual Conference, The Chinese Journalism and Communication Consortium</i> , Online, 新北市, Taiwan, 05-05 June 2021.
	#LU Fangcao, #OKTAVIANUS Jeffry, #SUN Yanqing, "The effects of patient-provider communication on cancer patients' depression and anxiety: The uncertainty reduction and expectancy violations approaches", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i> , Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.
	#LU Fangcao, #SUN Yanqing, CHIA Chih Yun Stella, "From Parasocial Interaction to Multisocial Interaction: Examining Fan Labor Behavior and Its Antecedents", <i>2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020)</i> , Virtual Conference, San Francisco, CA, United States, 06-09 August 2020.
	CHIA Chih Yun Stella, #LU Fangcao, #SUN Yanqing, "Tracking the Influence of Misinformation on Elderly People's Perceptions and Intention to Accept COVID-19 Vaccines", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
	#LU Fangcao, #SUN Yanqing, #OKTAVIANUS Jeffry, "The Face Mask Debate: How User Comments and Presumed Influence Drive Psychological Reactance to Health Campaigns and Adverse Health Outcomes", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.

Section A: Publications of PhD Students

<b>WARUWU Kurniawan</b>	<b>Barui</b>	#WARUWU Barui Kurniawan, "Polymedia and transnational mothering: Indonesian women's use of smartphones in Hong Kong", <i>IAMCR Tampere 2020</i> , Tampere University (Online), Tampere, Finland, 12-17 July 2020.
<b>XIONG Bian</b>		#XIONG Bian, LI Hongtao, "新闻业神话的“跨国旅行”: 中国新闻界对水门事件的“集体记忆”(1978-2018)", 第二届“媒介·历史与记忆”工作坊论文集, Shanghai, China, 17-18 October 2020, pp 46-60.
		#XIONG Bian, #ZHI Pei, LIN Fen, WU Alfred Muluan, CHENG Edmund, "Integrating EPPM with authoritarianism to predict people's intention to accept digital tracing surveillance: an empirical study during the COVID-19 pandemic in Asia", <i>2nd Annual Meeting of the Society for Hong Kong Studies</i> , virtual, Hong Kong, China, 25-26 June 2021.
		LIN Fen, #XIONG Bian, #ZHI Pei, WU Alfred Muluan, CHENG Edmund, "Trading Privacy for Health? A Comparative Study on the Willingness of Privacy Disclosure During the COVID-19 Pandemic in Asia", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
		#XIONG Bian, LIN Fen, "Three Models of Big Data Surveillance: A Comparative Analysis on Technology and Privacy Polices of COVID19 Contact Tracing Applications", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
<b>YANG Chun</b>		#YANG Chun, LIN Fen, "Give Them a Taste of Their Own Medicine: How Media Confront Legal Institutions With Legal Discourse in Trialbased Media Events in China", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
<b>YU Wenting</b>		#YU Wenting, CHEN Yifei, "News Portrays of Child Sexual Abuse in China: A Ten-year Content Analysis", <i>2020 Annual Conference of the International Association for Media and Communication Research (IAMCR 2020)</i> , Online, 07-12 July 2020.
<b>ZHI Pei</b>		#ZHI Pei, LIN Fen, "Legislative Professionalism and The Role of Parties: Empirical Study on Hong Kong Legislative Council Elections (1991-2016)", <i>115th Annual Meeting of American Sociological Association</i> , San Francisco, United States, 08-11 August 2020.
		#LIN Sixian, #ZHI Pei, LIN Fen, WU Alfred Muluan, "The salient majority?: The hybridized identity between 'Hongkonger' and 'Chinese' in post-Umbrella Hong Kong", <i>IAMCR Tampere 2020</i> , Tampere University (Online), Tampere, Finland, 12-17 July 2020.
		#ZHI Pei, LIN Fen, SKORIC Marko, ZHANG Nan, "Can political activities transfer to vote? Exploring the relationship between lower/higher-threshold political activities and voting intention in the electoral authoritarian regime", <i>2nd Annual Meeting of the Society for Hong Kong Studies</i> , virtual, Hong Kong, China, 25-26 June 2021.
		#XIONG Bian, #ZHI Pei, LIN Fen, WU Alfred Muluan, CHENG Edmund, "Integrating EPPM with authoritarianism to predict people's intention to accept digital tracing surveillance: an empirical study during the COVID-19 pandemic in Asia", <i>2nd Annual Meeting of the Society for Hong Kong Studies</i> , virtual, Hong Kong, China, 25-26 June 2021.
		LIN Fen, #XIONG Bian, #ZHI Pei, WU Alfred Muluan, CHENG Edmund, "Trading Privacy for Health? A Comparative Study on the Willingness of Privacy Disclosure During the COVID-19 Pandemic in Asia", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
<b>ZHOU Yixin</b>		#ZHOU Yixin, ZHU Jian Hua Jonathan, "The Temporal Aspects of Daily Life: Their Sequential Mediating Role in Digital Media's Effect on Well-Being", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
		#ZHOU Yixin, ZHU Jian Hua Jonathan, "Digital Media and the Postmodern Transformation: The Daily Rhythm of Digital Media Use across 15 Years", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
		#ZHOU Yixin, ZHU Jian Hua Jonathan, "The Impact of Digital Media on Daily Rhythms: Intrapersonal Diversification and Interpersonal Differentiation", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021.
<b>All other outputs</b>		
<b>DAVIDSON Marie</b>	<b>Brenna</b>	#DAVIDSON Brenna Marie, #OKTAVIANUS Jeffry, Third Place, Top Student Paper Award, Electronic News Division, 2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020), Association for Education in Journalism and Mass Communication (AEJMC), United States, 06 August 2020.

Section A: Publications of PhD Students

<b>GUAN Lu</b>	# <u>GUAN Lu</u> , <i>Personal Curatorial Strategy: How Do Users Select, Consume, and Manage Information on Social Media?</i> , PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 13 November 2020.
<b>JIANG Mulin</b>	# <u>JIANG Mulin</u> , (Book / Software Review) "Reporting China on the Rise: Habitus and Prisms of China Correspondents. Yuan Zeng. London and New York: Routledge, 2019. ", <i>Journalism and Mass Communication Quarterly</i> , 25 May 2021, doi: <a href="https://doi.org/10.1177/10776990211018756">https://doi.org/10.1177/10776990211018756</a> .
<b>KASADHA Juma</b>	# <u>KASADHA Juma</u> , (Book / Software Review) " <b>Everything Man: The Form and Function of Paul Robeson</b> Shana L. Redmond. Duke University Press, 2020", <i>The Journal of American Culture</i> , 44(2), June 2021, pp 155-156, doi: <a href="https://doi.org/10.1111/jacc.13274">https://doi.org/10.1111/jacc.13274</a> . # <u>KASADHA Juma</u> , (Book / Software Review) " <i>Journalists as Witnesses to Executions: Processing the Viewing Room</i> ", <i>Journalism and Mass Communication Quarterly</i> , 98(2), 29 December 2020, pp 595-596, doi: <a href="https://doi.org/10.1177/1077699020984802">https://doi.org/10.1177/1077699020984802</a> . # <u>KASADHA Juma</u> , (Book / Software Review) "MacKellar, C. Cyborg Mind: What Brain-Computer and Mind-Cyberspace Interfaces Mean for Cyberneuroethics", <i>Sociology of Health and Illness</i> , 43(2), 10 November 2020, pp 551-553, doi: <a href="https://doi.org/10.1111/1467-9566.13204">https://doi.org/10.1111/1467-9566.13204</a> . # <u>KASADHA Juma</u> , <i>Social Media and Civic Engagement: Reconciliation, Inclusion and Community Building</i> , PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 23 November 2020.
<b>MASOOD Muhammad</b>	# <u>MASOOD Muhammad</u> , "Digital Divide and Democratic Citizenship: A Tale of Two Valleys in the Western Himalayas", 25 March 2021. # <u>MASOOD Muhammad</u> , Research Grant awarded by Konrad-Adenauer-Stiftung, Konrad-Adenauer-Stiftung (KAS), 25 March 2021. # <u>MASOOD Muhammad</u> , AEJMC Presidential Diversity & Inclusion Career Development Fellowship for Graduate Students, Association for Education in Journalism and Mass Communication (AEJMC), 05 August 2020.
<b>OKTAVIANUS Jeffry</b>	# <u>DAVIDSON Brenna Marie</u> , # <u>OKTAVIANUS Jeffry</u> , Third Place, Top Student Paper Award, Electronic News Division, 2020 Association for Education in Journalism and Mass Communication 103rd Annual Conference (AEJMC 2020) , Association for Education in Journalism and Mass Communication (AEJMC), United States, 06 August 2020. # <u>OKTAVIANUS Jeffry</u> , AEJMC Presidential Diversity & Inclusion Career Development Fellowship for Graduate Students, Association for Education in Journalism and Mass Communication (AEJMC), 05 August 2020.
<b>SUN Yanqing</b>	# <u>SUN Yanqing</u> , <i>How Exposure to Parenting Content on Social Media Influences Self-discrepancy and Postnatal Mood Disorders for Mothers of Newborn Babies</i> , PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 26 April 2021.
<b>WANG Sai</b>	# <u>WANG Sai</u> , <i>Cross-cutting Exposure in Online News Comments: How Group Identification and Uncivil Discourse Affect Deliberative Outcomes</i> , PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 07 June 2021.
<b>WU Yi</b>	# <u>WU Yi</u> , <i>Consequence of Social Conflicts: Public Opinion Polarization and Mass Media in Hong Kong</i> , PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 09 July 2020.
<b>XIONG Bian</b>	# <u>XIONG Bian</u> , <u>LIN Fen</u> , Runner Up, Best Student Paper, The paper "Three Models of Big Data Surveillance : A Comparative Analysis on Technology and Privacy Polices of COVID19 Contact Tracing Applications" is the "Runner Up, Best Student Paper" in Communication Law & Policy division in 71st Annual International Communication Association Conference (ICA21), International Communication Association, 18 February 2021.
<b>ZHOU Yixin</b>	# <u>ZHOU Yixin</u> , <i>Life in the Fast Lane: Digital Media Use and Daily Activity Rhythm across the Last 20 Years</i> , PhD Thesis, Department of Media and Communication, City University of Hong Kong, Hong Kong, PRC, 15 July 2020.
<b>DEPARTMENT OF PUBLIC POLICY</b>	
Scholarly books, monographs and chapters	

Section A: Publications of PhD Students

<b>CHAPAGAIN Arjun</b>	#CHAPAGAIN Arjun, "Formal versus informal practice - Trade of medicinal and aromatic plants in Trans-Himalayan Silk Road", <i>Shadow Exchanges along the New Silk Roads</i> , Hung Eva P. W. and Ngo Tak-Wing (eds), Amsterdam University Press, ISBN: 9789048541348 ,9789462988934, Amsterdam, 18 August 2020, pp 145-162.
	#CHAPAGAIN Arjun, WANG Jun, LI Che Lan Linda, SHAH Srijana, PYAKUREL Dipesh, "Himalayan Medicinal Plant Species Traded from Nepal to China", <i>Integrating Biological Resources for Prosperity - A Proceedings of the National Conference, Biratnagar</i> , Mandal Tej Narayan, Rai Shiva Kumar and Siwakoti Mohan (eds), Botanical Society of Nepal, ISBN: 978-9937-0-9013-1,9937-0-9013-X, Kathmandu, April 2021, pp 128-141.
<b>OUM Socheat</b>	#OUM Socheat, "Cambodia", <i>Facts and Analysis - Canvassing Covid-19 responses</i> , Li Linda Chelan (ed), City University of Hong Kong Press, ISBN: 9789629375966, 01 March 2021, pp 53-70.
<b>Journal publications</b>	
<b>CHAN Kwun Hong</b>	#CHAN Kwun Hong, CHAN Rami Hin-yeung, "Learn to disobey: Evolution of "civil disobedience" and the transforming sociopolitical context of Hong Kong", <i>Asian Politics and Policy</i> , 12(4), October 2020, pp 516-538, doi: <a href="https://doi.org/10.1111/aspp.12556">https://doi.org/10.1111/aspp.12556</a> .
<b>CHAPAGAIN Arjun</b>	#CHAPAGAIN Arjun, WANG Jun, PYAKUREL Dipesh, "An Overview of Nepalese Medicinal Plant Trade with China", <i>International Journal of Environmental Sciences &amp; Natural Resources</i> , 28(1), 17 May 2021, doi: <a href="https://doi.org/10.19080/IJESNR.2021.28.556228">https://doi.org/10.19080/IJESNR.2021.28.556228</a> .
<b>CHEN Wenna</b>	HUANG Chen, #CHEN Wenna, YI Hongtao, "Collaborative networks and environmental governance performance: a social influence model", <i>Public Management Review</i> , 23 July 2020, doi: <a href="https://doi.org/10.1080/14719037.2020.1795229">https://doi.org/10.1080/14719037.2020.1795229</a> .
	ZHANG Jiasheng, #CHEN Wenna, PETROVSKY Nicolai, WALKER Richard M, "The Expectancy-Disconfirmation Model and Citizen Satisfaction with Public Services: A Meta-analysis and an Agenda for Best Practice", <i>Public Administration Review</i> , 25 February 2021, doi: <a href="https://doi.org/10.1111/puar.13368">https://doi.org/10.1111/puar.13368</a> .
<b>DU Mengbing</b>	#DU Mengbing, ZHANG Xiaoling, WANG Yuhua, TAO Li, LI Heng, "An operationalizing model for measuring urban resilience on land expansion", <i>Habitat International</i> , 102, 20 July 2020, doi: <a href="https://doi.org/10.1016/j.habitatint.2020.102206">https://doi.org/10.1016/j.habitatint.2020.102206</a> .
	CAI Bofeng, CAO Libing, LEI Yu, WANG Can, ZHANG Li, ZHU Jianhua, LI Mingyu, #DU Mengbing, LV Chen, JIANG Hanyin, NING Miao, WANG Jinnan, "中国碳中和目标下的二氧化碳排放路径", <i>Zhongguo Renkou Ziyuan Yu Huan Jing/China Population Resources and Environment</i> , 31(1), February 2021, pp 7-14.
	#DU Mengbing, ZHANG Xiaoling, MORA Luca, "Strategic Planning for Smart City Development: Assessing Spatial Inequalities in the Basic Service Provision of Metropolitan Cities", <i>Journal of Urban Technology</i> , 28(1-2), 14 October 2020, pp 115-134, doi: <a href="https://doi.org/10.1080/10630732.2020.1803715">https://doi.org/10.1080/10630732.2020.1803715</a> .
	#DU Mengbing, #ZHAO Mengxue, FU Yang, "Revisiting urban sustainability from access to jobs: Assessment of economic gain versus loss of social equity", <i>Environmental Impact Assessment Review</i> , 85, 31 July 2020, doi: <a href="https://doi.org/10.1016/j.eiar.2020.106456">https://doi.org/10.1016/j.eiar.2020.106456</a> .
<b>JOO Haeri</b>	#JOO Haeri, "'Rights investing' in Korea: focusing on the overturned decisions of the Constitutional Court", <i>International Journal of Human Rights</i> , 07 January 2021, doi: <a href="https://doi.org/10.1080/13642987.2020.1859482">https://doi.org/10.1080/13642987.2020.1859482</a> .
<b>LUO Man</b>	LI Che Lan Linda, #LUO Man, MO Lai Lan Phyllis, CHUNG Shek Yan, "The Belt and Road Initiative and Myanmar: Challenges for Responsible Investment", <i>China and the World: Ancient and Modern Silk Road</i> , 4(2), June 2021, doi: <a href="https://doi.org/10.1142/s2591729321500115">https://doi.org/10.1142/s2591729321500115</a> .
<b>TAO Lei</b>	WEN Bo, TANG Shui-Yan, #TAO Lei, "How Governance Shapes Emergency Management: China's Mixed Records in Responding to COVID-19", <i>The Chinese Public Administration Review</i> , 11(2), December 2020, pp 122-131, doi: <a href="https://doi.org/10.22140/cpar.v11i2.235">https://doi.org/10.22140/cpar.v11i2.235</a> .
	LIANG Hai-lun, #TAO Lei, "地方政府分级诊疗政策创新扩散研究——基于全国地级市数据的事件史分析", <i>中国卫生政策研究</i> , 14(3), March 2021, pp 7-12, doi: <a href="https://doi.org/10.3969/j.issn.1674-2982.2021.03.002">https://doi.org/10.3969/j.issn.1674-2982.2021.03.002</a> .

Section A: Publications of PhD Students

<b>TAO Xiafei</b>	# <u>TAO Xiafei</u> , "家庭化迁移之下的“用脚投票”研究——基于公共服务资源对人口家庭化流动影响的实证分析", <i>南方人口</i> , 35(5), September 2020, pp 58-68.
	# <u>TAO Xiafei</u> , "农民工住房需求的转型问题研究 —— 兼论农民工住房问题研究的新转向", <i>河北农业大学学报(社会科学版)</i> , 22(5), September 2020, pp 69-76, doi: <a href="https://doi.org/10.13320/j.cnki.jauhe.2020.0084">https://doi.org/10.13320/j.cnki.jauhe.2020.0084</a> .
<b>TU Wenyan</b>	# <u>TU Wenyan</u> , <u>GUO Xiajuan</u> , "Gendered clientelism and corruption: are women less corrupt than men in China?", <i>International Feminist Journal of Politics</i> , 22 June 2021, doi: <a href="https://doi.org/10.1080/14616742.2021.1936117">https://doi.org/10.1080/14616742.2021.1936117</a> .
	# <u>TU Wenyan</u> , <u>GONG Ting</u> , "Accountability intensity and bureaucrats' response to conflicting expectations: a survey experiment in China", <i>Public Management Review</i> , 01 June 2021, doi: <a href="https://doi.org/10.1080/14719037.2021.1930123">https://doi.org/10.1080/14719037.2021.1930123</a> .
	# <u>ZHENG Yang</u> , <u>ZHENG Hanxing</u> , # <u>TU Wenyan</u> , <u>CHEN Yuzhuo</u> , "Excluded from Political Task: NGOs' Marginalized Participation in China's Accurate Poverty Alleviation Project", <i>China Nonprofit Review</i> , 12(2), 19 February 2021, pp 161-180, doi: <a href="https://doi.org/10.1163/18765149-12341375">https://doi.org/10.1163/18765149-12341375</a> .
<b>WU Peiyi</b>	<u>HUANG Lei</u> , <u>ZHAO Yandong</u> , <u>HE Guangxi</u> , <u>LU Yangxu</u> , <u>ZHANG Juanjuan</u> , # <u>WU Peiyi</u> , "Data access as a big competitive advantage: evidence from China's car-hailing platforms", <i>Data Technologies and Applications</i> , 55(2), 17 November 2020, pp 192-215, doi: <a href="https://doi.org/10.1108/DTA-01-2019-0013">https://doi.org/10.1108/DTA-01-2019-0013</a> .
<b>YOU Dingyi</b>	# <u>YOU Dingyi</u> , <u>Li Che Lan Linda</u> , "粤港澳大湾区港深科技创新政策的现状与优化策略——创新生态系统视角的分析", <i>华中师范大学学报(人文社会科学版)</i> , 59(4), July 2020, pp 43-52.
<b>ZHAO Chenlin</b>	<u>XU Jingyuan</u> , # <u>ZHAO Chenlin</u> , "ASSESSING THE ROLE OF LEGAL DOCUMENTATION IN TRANSBOUNDARY COLLABORATIONS: A COMPARATIVE ANALYSIS OF WATER SUPPLY PROJECTS IN HONG KONG AND SINGAPORE", <i>Journal of Water Law</i> , 26(5/6), August 2020, pp 249-257.
<b>ZHAO Mengxue</b>	<u>DEUTSCH Joseph</u> , <u>SILBER Jacques</u> , <u>WAN Guanghua</u> , # <u>ZHAO Mengxue</u> , "Asset indexes and the measurement of poverty, inequality and welfare in Southeast Asia", <i>Journal of Asian Economics</i> , 70, 17 July 2020, doi: <a href="https://doi.org/10.1016/j.asieco.2020.101220">https://doi.org/10.1016/j.asieco.2020.101220</a> .
	# <u>DU Mengbing</u> , # <u>ZHAO Mengxue</u> , <u>FU Yang</u> , "Revisiting urban sustainability from access to jobs: Assessment of economic gain versus loss of social equity", <i>Environmental Impact Assessment Review</i> , 85, 31 July 2020, doi: <a href="https://doi.org/10.1016/j.eiar.2020.106456">https://doi.org/10.1016/j.eiar.2020.106456</a> .
<b>ZHAO Nannan</b>	# <u>ZHAO Nannan</u> , <u>LIU Yuting</u> , <u>WANG Jun</u> , "Network Governance and the Evolving Urban Regeneration Policymaking in China: A Case Study of Insurgent Practices in Enninglu Redevelopment Project", <i>Sustainability (Switzerland)</i> , 13(4), 20 February 2021, doi: <a href="https://doi.org/10.3390/su13042280">https://doi.org/10.3390/su13042280</a> .
<b>ZHENG Yang</b>	# <u>ZHENG Yang</u> , <u>ZHENG Hanxing</u> , # <u>TU Wenyan</u> , <u>CHEN Yuzhuo</u> , "Excluded from Political Task: NGOs' Marginalized Participation in China's Accurate Poverty Alleviation Project", <i>China Nonprofit Review</i> , 12(2), 19 February 2021, pp 161-180, doi: <a href="https://doi.org/10.1163/18765149-12341375">https://doi.org/10.1163/18765149-12341375</a> .
<b>Conference papers</b>	
<b>CHEN Wenna</b>	# <u>CHEN Wenna</u> , # <u>DONG Binzizi</u> , <u>HSIEH Chih Wei</u> , <u>LIU Ning</u> , <u>WALKER Richard M</u> , <u>WANG Xiaohu</u> , # <u>WANG Yao</u> , <u>WEN Bo</u> , # <u>WU Peiyi</u> , <u>ZHANG Jiasheng</u> , "Experimental Research Methodology in the Asia-Pacific: A Review and Research Agenda", <i>2nd International Conference of the Experiment Lab for Public Management Research (EXPMR)</i> , KDI School of Public Policy and Management, Virtual, 03-04 December 2020.
	<u>ZHANG Jiasheng</u> , # <u>CHEN Wenna</u> , <u>PETROVSKY Nicolaj</u> , <u>WALKER Richard M</u> , "Integrating Findings on Citizen Satisfaction: Lessons for Practice from the Expectancy Disconfirmation Model: Keynote speech", <i>2020 Annual Conference of the Asian Association for Public Administration</i> , Online, Shanghai, China, 24-25 September 2020.
<b>DONG Binzizi</b>	# <u>CHEN Wenna</u> , # <u>DONG Binzizi</u> , <u>HSIEH Chih Wei</u> , <u>LIU Ning</u> , <u>WALKER Richard M</u> , <u>WANG Xiaohu</u> , # <u>WANG Yao</u> , <u>WEN Bo</u> , # <u>WU Peiyi</u> , <u>ZHANG Jiasheng</u> , "Experimental Research Methodology in the Asia-Pacific: A Review and Research Agenda", <i>2nd International Conference of the</i>

Section A: Publications of PhD Students

	<i>Experiment Lab for Public Management Research (EXPMR)</i> , KDI School of Public Policy and Management, Virtual, 03-04 December 2020.
<b>TAO Lei</b>	# <u>TAO Lei</u> , <u>WEN Bo</u> , "Public service motivation, clients' deservingness, and undesirable behaviors: Evidence from an experimental study of street-level bureaucrats", <i>Public Management Research Conference (PMRC) 2021</i> , Virtual, Honolulu, Hawai'i, United States, 23-25 June 2021.
<b>TSANG Cheuk Ming</b>	# <u>TSANG Cheuk Ming</u> , "Are the Social Assistance Programs Helping Individuals with Autism?", <i>2021 Canadian Association for Work and Labour Studies Annual Conference (CAWLS 2021)</i> , Virtual, 01-03 June 2021.
<b>WANG Yao</b>	# <u>WANG Yao</u> , "Ethnicity, Employment Bias and Chinese Ethnic Policies: A Field Experiment", <i>International Research Society for Public Management (IRSPM) Conference 2021</i> , Virtual, 20-23 April 2021. # <u>CHEN Wenna</u> , # <u>DONG Binzizi</u> , <u>HSIEH Chih Wei</u> , <u>LIU Ning</u> , <u>WALKER Richard M</u> , <u>WANG Xiaohu</u> , # <u>WANG Yao</u> , <u>WEN Bo</u> , # <u>WU Peiyi</u> , <u>ZHANG Jiasheng</u> , "Experimental Research Methodology in the Asia-Pacific: A Review and Research Agenda", <i>2nd International Conference of the Experiment Lab for Public Management Research (EXPMR)</i> , KDI School of Public Policy and Management, Virtual, 03-04 December 2020.
<b>WU Peiyi</b>	# <u>CHEN Wenna</u> , # <u>DONG Binzizi</u> , <u>HSIEH Chih Wei</u> , <u>LIU Ning</u> , <u>WALKER Richard M</u> , <u>WANG Xiaohu</u> , # <u>WANG Yao</u> , <u>WEN Bo</u> , # <u>WU Peiyi</u> , <u>ZHANG Jiasheng</u> , "Experimental Research Methodology in the Asia-Pacific: A Review and Research Agenda", <i>2nd International Conference of the Experiment Lab for Public Management Research (EXPMR)</i> , KDI School of Public Policy and Management, Virtual, 03-04 December 2020.
<b>YAO Chao</b>	# <u>YAO Chao</u> , <u>WANG Jun</u> , "Extra-territorialization: actors, territory and power relations—SEZ in Cambodia in the context of BRI", <i>American Association of Geographers Annual Meeting 2021 (AAG 2021)</i> , Virtual, Seattle, United States, 07-11 April 2021.
<b>YE Qianying</b>	<u>JIN Xin</u> , # <u>YE Qianying</u> , <u>ZHANG Yidi</u> , "Trust and Credibility: The Differences between Perceiving an AI Anchor as AI and Human", <i>71st Annual International Communication Association Conference (ICA21)</i> , Virtual, 27-31 May 2021. # <u>YE Qianying</u> , <u>ZHANG Yundi</u> , <u>HU Peichen</u> , <u>WANG Meng</u> , <u>ZHU Chengzhang</u> , "Acceptance of 5G in China based on TAM", <i>AEJMC Midwinter Conference</i> , virtual/online conference, 05 March 2020 - 06 March 2021.
<b>ZHAO Nannan</b>	# <u>ZHAO Nannan</u> , <u>LIU Yuting</u> , "社区导向的城市更新和治理实践: 基于国内外文献研究", <i>2020 年城市规划学会城市更新学术委员会年会</i> , Guihua Tower, Shenzhen, China, 27-29 November 2020. # <u>ZHAO Nannan</u> , "Residents and Property-Led Urban Regeneration: Modeling Support for the Enninglu Redevelopment in China", <i>The 14 IACP Annual Conference</i> , Shenzhen, Shenzhen, China, 05-13 December 2020.
<b>Creative and literary works, consulting reports and case studies</b>	
<b>CHEN Ling</b>	<u>MO Lai Lan Phyllis</u> , # <u>CHEN Ling</u> , <u>HUNG Sin Yu</u> , <u>CHUNG Shek Yan</u> , <u>LI Che Lan Linda</u> , <i>Training Pack - Vietnam</i> , CityU CSHK PASS Workshop Series - Workshop 3 - Cultural Diversity and Risk Management: Hong Kong Professional Services, Overseas Investment and Industrial Park Development in Vietnam  This comprehensive training pack is aimed at equipping workshop participants with sufficient institutional background knowledge so as to enhance the quality of their interactions with Speakers and other participants in the workshops. The pack includes background materials (such as political systems, religious inclinations, legal institutions, foreign investment laws and tax system) and analysis of selected special economic zones (SEZs) based on consolidation of relevant research findings conducted by the Research Centre for Sustainable Hong Kong (CSHK) in the past years., June 2021, 74 p.
<b>YAO Chao</b>	<u>TJIA Yin Nor</u> , <u>CHUNG Shek Yan</u> , # <u>YAO Chao</u> , <u>LI Che Lan Linda</u> , <i>Training Pack - Cambodia</i> , This comprehensive training pack is aimed at equipping workshop participants with sufficient institutional background knowledge so as to enhance the quality of their interactions with Speakers and other participants in the workshops. The pack includes the background materials (the essential information such as various political systems, religious inclinations,

Section A: Publications of PhD Students

	<p>legal institutions, foreign investment laws, accounting regulations and tax systems) and analysis of an Economic and Trade Cooperation Zone (ETCZ) jurisdiction (based on consolidation of relevant research findings conducted by the Research Centre for Sustainable Hong Kong (CSHK) in the past years)., February 2021, 74 p.</p>
	<p><u>YAN Xin</u>, #<u>YAO Chao</u>, <u>TJIA Yin Nor</u>, <u>CHUNG Shek Yan</u>, <i>A Summary of Discussion for the CityU CSHK PASS Workshop Series – - Workshop 2 Cultural Diversity and Efficient Management: Hong Kong Professional Services, Overseas Investments and Ports in Sri Lanka</i>, On 27 April, the Research Centre for Sustainable Hong Kong (CSHK)<sup>3</sup> organized the second PASS workshop, focusing on economic development and challenges in Sri Lanka, as well as exploring the opportunities and risks of Hong Kong investment and professional service sectors in special economic zones and ports in Sri Lanka. Business leaders, seasoned managers and expert researchers in Sri Lanka and Hong Kong robustly discussed and brought with them diverse experiences from the sectors of port management, infrastructure construction, telecommunications and retailing. About 200 participants joined the workshop online. Here is a summary of the insight sharing and panel discussion in the workshop., 31 May 2021, 19 p.</p>
<b>All other outputs</b>	
<b>BAI Jie</b>	# <u>BAI Jie</u> , <i>Adopting the Mother's Surname: Causes, Patterns, and Confucian Familism</i> , PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 03 February 2021.
<b>FONG Chi Wai Alex</b>	# <u>FONG Chi Wai Alex</u> , <i>Oneness Approach to Enterprise Governance: Beyond the Boundary of the Self and the Enterprise</i> , PhD Thesis, College of Business, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 27 August 2020.
<b>LI Mengyan</b>	# <u>LI Mengyan</u> , <i>Integrity Education as an Anti-Corruption Practice in China: Patterns, Functions, and Implications</i> , PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 08 June 2021.
<b>PANG Rui</b>	# <u>PANG Rui</u> , <i>The Conditional Influence of Environmental Regulation on Industrial Pollution: The Role of Local Government, Economic Agglomeration and Firm Heterogeneity</i> , PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 28 August 2020.
<b>SUN Sihan</b>	# <u>SUN Sihan</u> , <i>Advance Directives in Palliative Care in Mainland China: Confucian Bioethics, Practice, and Policy</i> , PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 04 January 2021.
<b>TU Wenyan</b>	# <u>TU Wenyan</u> , <i>Is Accountability a Cure for Shirking? Bureaucratic Behaviors and Institutional Constraints</i> , PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 14 August 2020.
<b>WANG Daan</b>	# <u>WANG Daan</u> , <i>Fitting the Person to the Job or to the Organization? Evaluating the Process of Civil Service Selection in Shenzhen Municipality</i> , PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 16 June 2021.
<b>WU Jingxian</b>	# <u>WU Jingxian</u> , <i>Comparative Analysis of the Health Effects of China's Different Social Health Insurance Schemes on Insured People Based on Consumer Incentives</i> , PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 10 August 2020.
<b>YOU Dingyi</b>	# <u>YOU Dingyi</u> , <i>Antecedents of the Performance of Chinese Science Associations: A Case of Social Organizations in China</i> , PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 11 March 2021.
<b>ZHANG Junhua</b>	# <u>ZHANG Junhua</u> , <i>An Interpretation of Hannah Arendt's Political Thought: Toward a Preliminary Critique of Confucian Political Thoughts</i> , PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 08 June 2021.
<b>ZHAO Chenlin</b>	# <u>ZHAO Chenlin</u> , <i>The Role of Procedural and Institutional Design in Collaborative Action: An Empirical Study on the Joint Infrastructure Investments between Hong Kong and the Mainland</i> , PhD Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 03 September 2020.
<b>DEPARTMENT OF SOCIAL AND BEHAVIOURAL SCIENCES</b>	
<b>Scholarly books, monographs and chapters</b>	

Section A: Publications of PhD Students

<b>CHAN Alex Siu Kin</b>	#CHAN Alex Siu Kin, HO Wing Chung, "'My community doesn't belong to me anymore!' - Tourism-driven spatial change and radicalized identity politics in Hong Kong", <i>Living in the Margins in Mainland China, Hong Kong and India</i> , Edition 1st, Ho Wing Chung and Padovani Florence (eds), Routledge, ISBN: 9780367480783,9781003037873, London, 14 July 2020, pp 101-125.
<b>XU Leilei</b>	#XU Leilei, YEUNG Wai Keung Jerf, LOW Yiu Tsang Andrew, "SOCIAL SUPPORT AND ONLINE HEALTH COMMUNITIES (OHCs) - A SYSTEMATIC REVIEW", <i>Advances in Sociology Research</i> , Jaworski Jared A. (ed), Nova Science Publishers, Inc., ISBN: 9781536194067,9781536194289, New York, 04 March 2021, pp 185-203.
<b>ZHANG Yuxuan</b>	杨新国, 谭咏梅, 方建东, #ZHANG Yuxuan, 程族桁, "知人者智 自知者明——自我意识", <i>大学生心理健康教育</i> , 唐峥华, 杨新国 and 覃干超 (eds), 广西师范大学出版社, ISBN: 978-7-5598-3032-6, 桂林, September 2020, pp 189-225.
<b>Journal publications</b>	
<b>ASAMOAH Edward</b>	#ASAMOAH Edward, TAM Hau Lin Cherry, #CUDJOE Ebenezer, "A systematic review of the roles of social workers in inclusive education for children with disabilities", <i>International Social Work</i> , 25 April 2021, doi: <a href="https://doi.org/10.1177/0020872820971707">https://doi.org/10.1177/0020872820971707</a> .
<b>BU He</b>	#BU He, DUAN Wenjie, "Strength-Based Flourishing Intervention to Promote Resilience in Individuals With Physical Disabilities in Disadvantaged Communities: A Randomized Controlled Trial", <i>Research on Social Work Practice</i> , 31(1), 29 September 2020, pp 53-64, doi: <a href="https://doi.org/10.1177/1049731520959445">https://doi.org/10.1177/1049731520959445</a> .
	LI Tingting, #BU He, DUAN Wenjie, "A brief measure of perceived courtesy and affiliate stigma on COVID-19: A study with a sample from China", <i>Personality and Individual Differences</i> , 180, 14 May 2021, doi: <a href="https://doi.org/10.1016/j.paid.2021.110993">https://doi.org/10.1016/j.paid.2021.110993</a> .
	DUAN Wenjie, #BU He, CHEN Zheng, "COVID-19-related stigma profiles and risk factors among people who are at high risk of contagion", <i>Social Science and Medicine</i> , 266, 07 October 2020, doi: <a href="https://doi.org/10.1016/j.socscimed.2020.113425">https://doi.org/10.1016/j.socscimed.2020.113425</a> .
<b>CHEN Chen</b>	#CHEN Chen, HUANG Jiasheng, ZHAO Jin, ZHANG Yan, YU Xiaonan Nancy, "Resilience Moderated the Predictive Effect of Dual Stigma on Distress Among Chinese Newly Diagnosed HIV-Positive Men Who Have Sex With Men", <i>AIDS Education and Prevention</i> , 32(5), 28 October 2020, pp 403-415, doi: <a href="https://doi.org/10.1521/aeap.2020.32.5.403">https://doi.org/10.1521/aeap.2020.32.5.403</a> .
	#QU Diyang, #CHEN Chen, KOUROS Chrystyna D., YU Xiaonan Nancy, "Congruence and discrepancy in migrant children's and mothers' perceived discrimination: Using response surface analysis to examine the effects on psychological distress", <i>Applied Psychology: Health and Well-Being</i> , 07 February 2021, doi: <a href="https://doi.org/10.1111/aphw.12249">https://doi.org/10.1111/aphw.12249</a> .
	ZHOU Mingjie, ZHANG Jinfeng, LI Fugui, #CHEN Chen, "Work-Family Conflict and Depressive Symptoms Among Chinese Employees: Cross-Level Interaction of Organizational Justice Climate and Family Flexibility", <i>International Journal of Environmental Research and Public Health</i> , 17(19), 23 September 2020, doi: <a href="https://doi.org/10.3390/ijerph17196954">https://doi.org/10.3390/ijerph17196954</a> .
<b>CHUNG Ka Hung Edwin</b>	YEUNG Dannii, #CHUNG Ka Hung Edwin, LAM Alfred, HO Ka Kin, "Effects of subjective successful aging on emotional and coping responses to the COVID-19 pandemic", <i>BMC Geriatrics</i> , 21, 17 February 2021, doi: <a href="https://doi.org/10.1186/s12877-021-02076-2">https://doi.org/10.1186/s12877-021-02076-2</a> .
	#CHUNG Ka Hung Edwin, LAM Alfred, YEUNG Dannii, "BENEFITS OF VOLUNTEERING FOR MIDDLE-AGED AND OLDER ADULTS: COMPARISON BETWEEN TYPES OF VOLUNTEERING ACTIVITIES", <i>Innovation in Aging</i> , 4(Supplement 1), 16 December 2020, pp 405-406, doi: <a href="https://doi.org/10.1093/geroni/igaa057.1305">https://doi.org/10.1093/geroni/igaa057.1305</a> .
<b>CUDJOE Ebenezer</b>	#ASAMOAH Edward, TAM Hau Lin Cherry, #CUDJOE Ebenezer, "A systematic review of the roles of social workers in inclusive education for children with disabilities", <i>International Social Work</i> , 25 April 2021, doi: <a href="https://doi.org/10.1177/0020872820971707">https://doi.org/10.1177/0020872820971707</a> .
	ABDULLAH Alhassan, #CUDJOE Ebenezer, YOUNG Susan, CHOI Wai Man Anna, JORDAN Lucy P., CHIU Yu Lung Marcus, EMERY Clifton Robert, "Regulating the traditional kinship care practice in Ghana: Reflections from young people with kinship care experience", <i>Child: Care, Health and Development</i> , 47(3), 29 December 2020, pp 329-335, doi: <a href="https://doi.org/10.1111/cch.12845">https://doi.org/10.1111/cch.12845</a> .



Section A: Publications of PhD Students

	<p>ABDULLAH Alhassan, #<a href="#">CUDJOE Ebenezer</a>, JORDAN Lucy P., EMERY Clifton Robert, "Child polyvictimization in Zongo communities in Ghana: Young people's reflections on systemic resilience enablers", <i>Child Abuse &amp; Neglect</i>, 119(2), 29 April 2021, doi: <a href="https://doi.org/10.1016/j.chiabu.2021.105075">https://doi.org/10.1016/j.chiabu.2021.105075</a>.</p>
	<p>AWORTWE Victoria, BENTUM Hajara, #<a href="#">CUDJOE Ebenezer</a>, ABDULLAH Alhassan, "A reason for the unmet needs of children in contact with social services? Non-resident fathers' perspectives on delinquent child maintenance claims", <i>Children and Youth Services Review</i>, 117, 31 July 2020, doi: <a href="https://doi.org/10.1016/j.chilyouth.2020.105298">https://doi.org/10.1016/j.chilyouth.2020.105298</a>.</p>
	<p>FRIMPONG-MANSO Kwabena, #<a href="#">CUDJOE Ebenezer</a>, ABDULLAH Alhassan, DELIEGE Antoine, ESHUN Esther Kum-Tabia, "Keeping families afloat: Foster carer's parenting experiences during COVID-19 in Ghana and implications for practice", <i>Developmental Child Welfare</i>, 3(2), June 2021, pp 85-99, doi: <a href="https://doi.org/10.1177/25161032211019048">https://doi.org/10.1177/25161032211019048</a>.</p>
	<p>OWUSU Alfred F. S., ABDULLAH Alhassan, PINTO Godfred H., BENTUM Hajara, MOO Janet Tein Ni, AYIM Mary, MBAMBA Crispin R., #<a href="#">CUDJOE Ebenezer</a>, "Where Do We Go After Surviving the Virus? Cross-Country Documentary Analysis of the Social Consequences Faced by COVID-19 Survivors", <i>International Quarterly of Community Health Education</i>, 08 June 2021, doi: <a href="https://doi.org/10.1177/0272684X211022176">https://doi.org/10.1177/0272684X211022176</a>.</p>
	<p>ABDULLAH Alhassan, FREDERICO Margarita, #<a href="#">CUDJOE Ebenezer</a>, EMERY Clifton, "Towards Culturally Specific Solutions: Evidence from Ghanaian Kinship Caregivers on Child Neglect Intervention", <i>Child Abuse Review</i>, 29(5), September 2020, pp 402-415, doi: <a href="https://doi.org/10.1002/car.2645">https://doi.org/10.1002/car.2645</a>.</p>
	<p>MANFUL Esmeranda, #<a href="#">CUDJOE Ebenezer</a>, ABDULLAH Alhassan, "Towards child-inclusive practices in child protection in Ghana: Perspectives from parents", <i>Children and Youth Services Review</i>, 119, 22 October 2020, doi: <a href="https://doi.org/10.1016/j.chilyouth.2020.105594">https://doi.org/10.1016/j.chilyouth.2020.105594</a>.</p>
	<p>#<a href="#">CUDJOE Ebenezer</a>, KWABIA Debora Daisy, <a href="#">CHIU Yu Lung Marcus</a>, ABDULLAH Alhassan, "'Adding salt to wounds': Parentification among children living with parents with mental illness during the COVID-19 pandemic and the role of social workers", <i>Developmental Child Welfare</i>, 3(1), 23 March 2021, pp 58-67, doi: <a href="https://doi.org/10.1177/2516103221999054">https://doi.org/10.1177/2516103221999054</a>.</p>
	<p>#<a href="#">CUDJOE Ebenezer</a>, ABDULLAH Alhassan, MANFUL Esmeranda, "Parents' Perceptions on the Outcomes of Children's Participation in Child Protection Meetings in Ghana", <i>Journal of Child and Family Studies</i>, 30(4), 24 February 2021, pp 1071-1081, doi: <a href="https://doi.org/10.1007/s10826-021-01918-2">https://doi.org/10.1007/s10826-021-01918-2</a>.</p>
	<p>#<a href="#">CUDJOE Ebenezer</a>, AMOATENG Isaac, NTI-GYEABOUR James, WISTI Pernille, "Exploring the support services of foster care leavers: An institutional ethnographic study", <i>Health and Social Care in the Community</i>, 23 September 2020, doi: <a href="https://doi.org/10.1111/hsc.13178">https://doi.org/10.1111/hsc.13178</a>.</p>
	<p>#<a href="#">CUDJOE Ebenezer</a>, NTI-GYEABOUR James, AMOATENG Isaac, TETTEH Amos, "Gender-equal Norway, a reality for all? The views and experiences of immigrants", <i>Journal of Gender Studies</i>, 30(4), 05 February 2021, pp 465-477, doi: <a href="https://doi.org/10.1080/09589236.2021.1885355">https://doi.org/10.1080/09589236.2021.1885355</a>.</p>
	<p>MANFUL Esmeranda, ABDULLAH Alhassan, #<a href="#">CUDJOE Ebenezer</a>, "When Parents Fail: Addressing Delinquent Child Maintenance Through Informal Resources", <i>Research on Social Work Practice</i>, 31(3), 23 December 2020, pp 278-284, doi: <a href="https://doi.org/10.1177/1049731520980801">https://doi.org/10.1177/1049731520980801</a>.</p>
	<p>#<a href="#">CUDJOE Ebenezer</a>, <a href="#">CHIU Yu Lung Marcus</a>, "What do children know about their parent's mental illness? A systematic review of international literature on children in families with mental illness", <i>Children and Youth Services Review</i>, 119, 09 November 2020, doi: <a href="https://doi.org/10.1016/j.chilyouth.2020.105638">https://doi.org/10.1016/j.chilyouth.2020.105638</a>.</p>
<b>DONG Yang</b>	<p><a href="#">CHOW Wing Yin</a>, <a href="#">HUI Na Na Anna</a>, <a href="#">LI Zhen</a>, #<a href="#">DONG Yang</a>, "Dialogic teaching in English-as-a-second-language classroom: Its effects on first graders with different levels of vocabulary knowledge", <i>Language Teaching Research</i>, 30 January 2021, doi: <a href="https://doi.org/10.1177/1362168820981399">https://doi.org/10.1177/1362168820981399</a>.</p>
	<p>#<a href="#">DONG Yang</a>, <a href="#">CHOW Wing Yin</a>, <a href="#">WU Sammy Xiao-Ying</a>, #<a href="#">ZHOU Jiandong</a>, <a href="#">ZHAO Ya Man</a>, "Enhancing Poor Readers' Reading Comprehension Ability through Word Semantic Knowledge Training", <i>Reading and Writing Quarterly</i>, 06 October 2020, doi: <a href="https://doi.org/10.1080/10573569.2020.1820410">https://doi.org/10.1080/10573569.2020.1820410</a>.</p>

Section A: Publications of PhD Students

	# <u>DONG Yang</u> , <u>TANG Yi</u> , <u>CHOW Wing Yin</u> , <u>WANG Weisha</u> , <u>DONG Wei-Yang</u> , "Contribution of Vocabulary Knowledge to Reading Comprehension Among Chinese Students: A Meta-Analysis", <i>Frontiers in Psychology</i> , 11, 02 October 2020, doi: <a href="https://doi.org/10.3389/fpsyg.2020.525369">https://doi.org/10.3389/fpsyg.2020.525369</a> .
<b>EZULIKE Chigozie Donatus</b>	EKOH Prince Chiagozie, GEORGE Elizabeth Onyedikachi, #EZULIKE Chigozie Donatus, "Digital and Physical Social Exclusion of Older People in Rural Nigeria in the Time of COVID-19", <i>Journal of Gerontological Social Work</i> , 64(6), 27 May 2021, pp 629-642, doi: <a href="https://doi.org/10.1080/01634372.2021.1907496">https://doi.org/10.1080/01634372.2021.1907496</a> .
	AGBAWODIKEIZU Patricia Uju, #EZULIKE Chigozie Donatus, EKOH Prince Chiagozie, GEORGE Elizabeth Onyedikachi, OKOYE Uzoma Odera, NNEBE Ikechukwu, "Exploring the Impact of COVID-19 Pandemic on Economic Activities and Well-being of Older Adults in South-eastern Nigeria: Lessons for Gerontological Social Workers", <i>Journal of Gerontological Social Work</i> , 64(6), 22 April 2021, pp 613-628, doi: <a href="https://doi.org/10.1080/01634372.2021.1907497">https://doi.org/10.1080/01634372.2021.1907497</a> .
	Emerging Researchers and Professionals in Ageing-African Network and including, KALU Michael E, OJEMBE Blessing U, AKINROLIE Olayinka, OKOH Augustine C, ADANDOM Israel I, NWANKWO Henrietta C, AJULO Michael S, OMEJE ChidinmaA, OKEKE Chukwuebuka O, MUDUONU Ekezie, #EZULIKE Chigozie Donatus, ANIETO Ebuka M, EMOFE Diameta, NWACHUKWU Ernest C, IBEKAKU Michael C, OBI Perpetual C, "Setting priorities for ageing research in Africa: A systematic mapping review of 512 studies from sub-Saharan Africa ", <i>Journal of Global Health</i> , 11, 26 June 2021.
<b>HU Jinghan</b>	# <u>HU Jinghan</u> , <u>ZHOU Yongjie</u> , <u>WANG Ruoxi</u> , <u>QI Ling</u> , <u>ZHOU Xin</u> , <u>SONG Xiuli</u> , <u>ZENG Lingyun</u> , <u>ZHANG Xiangyang</u> , "Abnormal glucose metabolism is associated with clinical symptoms of adolescent-onset patients with first-episode drug-naive schizophrenia", <i>Asian Journal of Psychiatry</i> , 62, 29 May 2021, doi: <a href="https://doi.org/10.1016/j.ajp.2021.102716">https://doi.org/10.1016/j.ajp.2021.102716</a> .
<b>ISANGHA Stanley Oloji</b>	# <u>ISANGHA Stanley Oloji</u> , <u>CHOI Wai Man Anna</u> , <u>CHIU Yu Lung Marcus</u> , "COVID-19: Where are the Nigerian social workers?", <i>Qualitative Social Work</i> , 20(1-2), 11 November 2020, pp 343-349, doi: <a href="https://doi.org/10.1177/1473325020973336">https://doi.org/10.1177/1473325020973336</a> .
<b>KICONCO Milliam</b>	<u>CHUI Wing Hong</u> , <u>KHIATANI Paul Vinod</u> , # <u>KICONCO Milliam</u> , "An examination of the differential impacts of social bonds and organized crime affiliation on male and female youth street gang members' delinquency", <i>Deviant Behavior</i> , 01 July 2020, doi: <a href="https://doi.org/10.1080/01639625.2020.1787761">https://doi.org/10.1080/01639625.2020.1787761</a> .
<b>KWAN Katherine Yuyi</b>	<u>WONG Sing Wing Dennis</u> , # <u>KWAN Katherine Yuyi</u> , "Restorative justice for juvenile offenders in China: Current practices and challenges", <i>China Journal of Social Work</i> , 13(2), 17 July 2020, pp 121-137, doi: <a href="https://doi.org/10.1080/17525098.2020.1774985">https://doi.org/10.1080/17525098.2020.1774985</a> .
<b>LEE Kwun Wa</b>	<u>LO Tit Wing</u> , <u>YEUNG Wai Keung Jerf</u> , # <u>LEE Kwun Wa</u> , <u>TAM Hau Lin Cherry</u> , <u>CHAN Hong Yee Gloria</u> , "Drugs as Soulmates: The Construction and Validation of a 12-Item Soulmate Scale to Measure Substance Addiction and Loneliness", <i>International Journal of Environmental Research and Public Health</i> , 17(24), 15 December 2020, doi: <a href="https://doi.org/10.3390/ijerph17249408">https://doi.org/10.3390/ijerph17249408</a> .
	<u>CHAN Hong Yee Gloria</u> , <u>LO Tit Wing</u> , # <u>LEE Kwun Wa</u> , <u>TAM Hau Lin Cherry</u> , "Social Capital and Social Networks of Hidden Drug Abuse in Hong Kong", <i>International Journal of Environmental Research and Public Health</i> , 17(17), 27 August 2020, doi: <a href="https://doi.org/10.3390/ijerph17176231">https://doi.org/10.3390/ijerph17176231</a> .
<b>LEUNG Lap Kwan Cyrus</b>	<u>YEUNG Dannii</u> , <u>ISAACOWITZ Derek M.</u> , <u>LAM Wing Yee</u> , <u>YE Jiawen</u> , # <u>LEUNG Lap Kwan Cyrus</u> , "Age Differences in Visual Attention and Responses to Intergenerational and Non-intergenerational Workplace Conflicts", <i>Frontiers in Psychology</i> , 12, 07 June 2021, doi: <a href="https://doi.org/10.3389/fpsyg.2021.604717">https://doi.org/10.3389/fpsyg.2021.604717</a> .
<b>LI Yumei</b>	<u>LI Yitao</u> , # <u>LI Yumei</u> , <u>DUAN Wenjie</u> , <u>GUAN Qiuji</u> , <u>TAO Ye</u> , "Testing the contribution of general factor of character strengths to well-being: An exploratory bifactor approach", <i>Current Psychology</i> , 06 January 2021, doi: <a href="https://doi.org/10.1007/s12144-020-01223-z">https://doi.org/10.1007/s12144-020-01223-z</a> .
	<u>DUAN Wenjie</u> , # <u>LI Yumei</u> , <u>KONG Yansi</u> , "Construction of the Index of Social Work Professional Identity", <i>Research on Social Work Practice</i> , 28 January 2021, doi: <a href="https://doi.org/10.1177/1049731520984518">https://doi.org/10.1177/1049731520984518</a> .

Section A: Publications of PhD Students

	<p>DUAN Wenjie, #LI Yumei, HE Along, WU Tong, "基于未感染者与感染者双重视角的艾滋病污名", <i>心理科学进展</i>, 29(2 (总第 246 期)), February 2021, pp 323–337, doi: <a href="https://doi.org/10.3724/SP.J.1042.2021.00323">https://doi.org/10.3724/SP.J.1042.2021.00323</a>.</p> <p>DUAN Wenjie, TANG Xiaoqing, #LI Yumei, CHENG Xinfeng, ZHANG Hong, "Perceived Organizational Support and Employee Creativity: The Mediation Role of Calling", <i>Creativity Research Journal</i>, 32(4), 24 September 2020, pp 403–411, doi: <a href="https://doi.org/10.1080/10400419.2020.1821563">https://doi.org/10.1080/10400419.2020.1821563</a>.</p> <p>#LI Yumei, DUAN Wenjie, CHEN Zheng, "Latent profiles of the comorbidity of the symptoms for posttraumatic stress disorder and generalized anxiety disorder among children and adolescents who are susceptible to COVID-19", <i>Children and Youth Services Review</i>, 116, 08 July 2020, doi: <a href="https://doi.org/10.1016/j.chilyouth.2020.105235">https://doi.org/10.1016/j.chilyouth.2020.105235</a>.</p>
<b>LIANG Tao</b>	<p>YI Chengzhi, QIU Geping, #LIANG Tao, "RELIGION AND PARTICIPATION IN PROTEST MOVEMENTS IN CHINA: AN EMPIRICAL STUDY", <i>Mobilization</i>, 25(S1), 2020, pp 729–744, doi: <a href="https://doi.org/10.17813/1086-671X-25-5-729">https://doi.org/10.17813/1086-671X-25-5-729</a>.</p>
<b>LIU Chan</b>	<p>#LIU Chan, CHAN Raymond K. H., WANG Maofu, YANG Zhe, "Mapping the Sharing Economy in China", <i>Sustainability (Switzerland)</i>, 12(16), 06 August 2020, doi: <a href="https://doi.org/10.3390/SU12166333">https://doi.org/10.3390/SU12166333</a>.</p>
<b>MA Zewei</b>	<p>#TAN Yaqian, LIU Xiangping, #MA Zewei, "Facilitating Effect of Grapheme and Syllable Cues on the Writing Performance of Children with Chinese Dictation Difficulties", <i>Journal of Developmental and Physical Disabilities</i>, 33(3), 18 August 2020, pp 459–473, doi: <a href="https://doi.org/10.1007/s10882-020-09758-6">https://doi.org/10.1007/s10882-020-09758-6</a>.</p> <p>#MA Zewei, "Testing the parasite-stress theory of sociality based on the circular model of human values: A multilevel analysis approach", <i>Personality and Individual Differences</i>, 168, 13 August 2020, doi: <a href="https://doi.org/10.1016/j.paid.2020.110277">https://doi.org/10.1016/j.paid.2020.110277</a>.</p>
<b>QIN Tianli</b>	<p>GUO Sijia, NING Xuan, #QIN Tianli, "The Interaction effect of traditional Chinese culture and ego identity exploration on the flourishing of rural Chinese children", <i>Children and Youth Services Review</i>, 118, 12 August 2020, doi: <a href="https://doi.org/10.1016/j.chilyouth.2020.105341">https://doi.org/10.1016/j.chilyouth.2020.105341</a>.</p> <p>GUO Sijia, CHEUNG Chau Kiu Jacky, #QIN Tianli, NING Xuan, "Intrinsic motivation of rural adolescents in China: How individuation influences?", <i>Children and Youth Services Review</i>, 120, 07 December 2020, doi: <a href="https://doi.org/10.1016/j.chilyouth.2020.105778">https://doi.org/10.1016/j.chilyouth.2020.105778</a>.</p>
<b>QU Diyang</b>	<p>#QU Diyang, HUANG Jiasheng, KOUROS Chrystyna D., YU Xiaonan Nancy, "Dyadic Effects of Fluid Mindset on Psychological Growth in Immigrant Mothers and Their Children: Indirect Effect of Resilience", <i>Family Process</i>, 05 December 2020, doi: <a href="https://doi.org/10.1111/famp.12621">https://doi.org/10.1111/famp.12621</a>.</p> <p>#QU Diyang, #CHEN Chen, KOUROS Chrystyna D., YU Xiaonan Nancy, "Congruence and discrepancy in migrant children's and mothers' perceived discrimination: Using response surface analysis to examine the effects on psychological distress", <i>Applied Psychology: Health and Well-Being</i>, 07 February 2021, doi: <a href="https://doi.org/10.1111/aphw.12249">https://doi.org/10.1111/aphw.12249</a>.</p> <p>#QU Diyang, HUANG Jiasheng, YU Xiaonan Nancy, HUI Lai Ling, KOUROS Chrystyna D., "Association between Mother–Adolescent Relationship Quality and Subjective well-being: Resilience Resources as a Mediating factor among Hong Kong Chinese Adolescents", <i>Journal of Child and Family Studies</i>, 30(8), 04 June 2021, pp 1990–2002, doi: <a href="https://doi.org/10.1007/s10826-021-01987-3">https://doi.org/10.1007/s10826-021-01987-3</a>.</p>
<b>TAN Yaqian</b>	<p>#TAN Yaqian, LIU Xiangping, #MA Zewei, "Facilitating Effect of Grapheme and Syllable Cues on the Writing Performance of Children with Chinese Dictation Difficulties", <i>Journal of Developmental and Physical Disabilities</i>, 33(3), 18 August 2020, pp 459–473, doi: <a href="https://doi.org/10.1007/s10882-020-09758-6">https://doi.org/10.1007/s10882-020-09758-6</a>.</p>
<b>WANG Wenjing</b>	<p>#WANG Wenjing, #ZHENG Xiaobing, YUE Xiaodong, ZHONG Nian, "The role of beauty as currency belief in acceptance of cosmetic surgery and career aspirations among Chinese young women", <i>Journal of Social Psychology</i>, 161(3), 06 November 2020, pp 351–362, doi: <a href="https://doi.org/10.1080/00224545.2020.1842314">https://doi.org/10.1080/00224545.2020.1842314</a>.</p> <p>#ZHENG Xiaobing, #WANG Wenjing, "Time Perspective in the Self-regulatory Mechanism of Meaning in Life", <i>Journal of Happiness Studies</i>, 17 June 2021, doi: <a href="https://doi.org/10.1007/s10902-021-00424-y">https://doi.org/10.1007/s10902-021-00424-y</a>.</p>

Section A: Publications of PhD Students

<b>WONG Kang Li</b>	# <u>WONG Kang Li</u> , "Empowering older adults through community work: a review of the social work field in the past decade", <i>Community Development Journal</i> , 08 January 2021, doi: <a href="https://doi.org/10.1093/cdj/bsaa064">https://doi.org/10.1093/cdj/bsaa064</a> .
<b>WU Yihan</b>	# <u>WU Yihan</u> , "Assessing regulatory emotional self-efficacy within overseas Chinese university students", <i>Current Psychology</i> , 07 August 2020, doi: <a href="https://doi.org/10.1007/s12144-020-00987-8">https://doi.org/10.1007/s12144-020-00987-8</a> .
<b>ZHANG Qiaochu</b>	# <u>FENG Shiyin</u> , # <u>ZHANG Qiaochu</u> , <u>HO Samuel M.Y.</u> , "Fear and anxiety about COVID-19 among local and overseas Chinese university students", <i>Health and Social Care in the Community</i> , 06 April 2021, doi: <a href="https://doi.org/10.1111/hsc.13347">https://doi.org/10.1111/hsc.13347</a> . <u>CHENG Chih-tao</u> , <u>HO Samuel M.Y.</u> , <u>LAI Yihuan</u> , # <u>ZHANG Qiaochu</u> , <u>WANG Ging-Long</u> , "Coping profiles predict long-term anxiety trajectory in breast cancer survivors", <i>Supportive Care in Cancer</i> , 29(7), 06 January 2021, pp 4045–4053, doi: <a href="https://doi.org/10.1007/s00520-020-05936-6">https://doi.org/10.1007/s00520-020-05936-6</a> . <u>HO Samuel M.Y.</u> , # <u>ZHANG Qiaochu</u> , <u>LAI Yihuan</u> , <u>DAI Darren Wai Tong</u> , "Cognitive vulnerabilities to anxiety symptoms among Chinese adolescents: A 3-year longitudinal study", <i>Journal of Clinical Psychology</i> , 77(7), 05 May 2021, pp 1700-1714, doi: <a href="https://doi.org/10.1002/jclp.23161">https://doi.org/10.1002/jclp.23161</a> .
<b>ZHENG Xiaobing</b>	# <u>WANG Wenjing</u> , # <u>ZHENG Xiaobing</u> , <u>YUE Xiaodong</u> , <u>ZHONG Nian</u> , "The role of beauty as currency belief in acceptance of cosmetic surgery and career aspirations among Chinese young women", <i>Journal of Social Psychology</i> , 161(3), 06 November 2020, pp 351-362, doi: <a href="https://doi.org/10.1080/00224545.2020.1842314">https://doi.org/10.1080/00224545.2020.1842314</a> . # <u>ZHENG Xiaobing</u> , # <u>WANG Wenjing</u> , "Time Perspective in the Self-regulatory Mechanism of Meaning in Life", <i>Journal of Happiness Studies</i> , 17 June 2021, doi: <a href="https://doi.org/10.1007/s10902-021-00424-y">https://doi.org/10.1007/s10902-021-00424-y</a> .
<b>ZHOU Yanlin</b>	# <u>ZHOU Yanlin</u> , <u>YU Xiaonan Nancy</u> , <u>DONG Peiqi</u> , <u>ZHANG Qiong</u> , "Dyadic Associations Between Grandparent–Child Relationship Quality and Well-Being in Chinese Left-Behind Families: Mediating Role of Resilience", <i>Journal of Happiness Studies</i> , 22(4), 04 August 2020, pp 1889–1904, doi: <a href="https://doi.org/10.1007/s10902-020-00300-1">https://doi.org/10.1007/s10902-020-00300-1</a> .
<b>All other outputs</b>	
<b>ASAMOAH Edward</b>	# <u>ASAMOAH Edward</u> , <i>Inclusive Education for Children with Disabilities in Ghana: A Mixed-Method Study of Potential Collaboration between Education and Social Work</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 28 August 2020.
<b>AU Wing Yan Grace</b>	# <u>AU Wing Yan Grace</u> , <i>Desistance from Crime: An Examination of Delinquent Youth in Hong Kong</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 04 September 2020.
<b>BURNS Samantha Rachel</b>	# <u>BURNS Samantha Rachel</u> , <i>Exploring Transformative Participation Constraints in Practices of Co-production with Social Workers and Young People in Hong Kong</i> , PhD Thesis, Department of Social and Behavioural Sciences, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 03 September 2020.
<b>CHAN Alex Siu Kin</b>	# <u>CHAN Alex Siu Kin</u> , <i>The Production of Estranged Urban Space: Tourism-driven Community Change and Radicalised Identity Politics in Hong Kong since the 2010s</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 12 August 2020.
<b>CHOW Mei Ling</b>	# <u>CHOW Mei Ling</u> , <i>Advancing the Understanding of Parenting and Adolescents' Academic Achievement in a Self-Determination Perspective: A Mediation Analysis</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 13 July 2020.
<b>EZULIKE Chigozie Donatus</b>	# <u>EZULIKE Chigozie Donatus</u> , Reviewer, <i>Gerontology and Geriatric Medicine</i> , April 2021 - April 2021.
<b>FOK Yuen Hung</b>	# <u>FOK Yuen Hung</u> , 2019 HKAUW Postgraduate Scholarship Award, Hong Kong Association of University Women (HKAUW), 08 September 2020.
<b>HU Jieyi</b>	# <u>HU Jieyi</u> , <i>Relating Academic Performance and Social Integration in Hong Kong Students Studying in the Mainland Chinese Universities</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 06 August 2020.

## Section A: Publications of PhD Students

<b>KICONCO Milliam</b>	# <u>KICONCO Milliam</u> , <i>A Phenomenological Study of Female Murderer: Investigating Forms of Victimization and Pathway to Offending and Imprisonment in Uganda</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 26 August 2020.
<b>LIANG Tao</b>	# <u>LIANG Tao</u> , <i>Filing of Criminal Cases as Social Control in Contemporary China: An Empirical Test of Donald Black's "The Behavior of Law"</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 11 September 2020.
<b>LIU Xingyun</b>	# <u>LIU Xingyun</u> , <i>Automatic Suicide Identification and Proactive Crisis Management Based on Social Media</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 17 September 2020.
<b>MA Zewei</b>	# <u>MA Zewei</u> , <i>Females' Preferences for Sexual Dimorphism in Male Faces: A Value-dependent Hypothesis</i> , PhD Thesis, Department of Social and Behavioural Sciences, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 08 June 2021.
<b>TAM Wai Yiu</b>	# <u>TAM Wai Yiu</u> , <i>Integrating Ecological Model and Wellness Theory in Predicting College Students' Depression</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 26 August 2020.
<b>TAN Yaqian</b>	# <u>TAN Yaqian</u> , <i>What Contributes to the Working Alliance and Psychotherapy Outcome: Exploration of Therapist Responsiveness, Therapist-client Similarity and Complementarity from the Therapist Perspective</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 24 August 2020.
<b>XU Liying</b>	# <u>XU Liying</u> , <i>Cuteness and Robot Acceptance</i> , PhD Thesis, Department of Social and Behavioural Sciences, City University of Hong Kong, Hong Kong, PRC, 22 July 2020.
<b>College of Science</b>	
<b>DEPARTMENT OF CHEMISTRY</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>YU Jinli</b>	ZHU Yating, # <u>YU Jinli</u> , FAN Zhanxi, ZHANG Zhicheng, "2D Materials for electrochemical carbon dioxide reduction", <i>NANOMATERIALS FOR CO<sub>2</sub> CAPTURE, STORAGE, CONVERSION, AND UTILIZATION</i> , BARNABÉ SIMON, BÉNARD PIERRE, NGUYEN TUAN ANH, NGUYEN TRI PHUONG and WU HAOBIN (eds), Elsevier, ISBN: 9780128228944,9780128230848, 16 April 2021, pp 183-196.
<b>Journal publications</b>	
<b>BI Leyu</b>	# <u>WU Xin</u> , # <u>LIU Yizhe</u> , # <u>QI Feng</u> , # <u>LIN Francis</u> , # <u>FU Huiting</u> , # <u>JIANG Kui</u> , # <u>WU Shengfan</u> , # <u>BI Leyu</u> , # <u>WANG Deng</u> , # <u>XU Fang</u> , # <u>JEN Alex</u> , # <u>ZHU Zonglong</u> , "Improved stability and efficiency of perovskite/organic tandem solar cells with an all-inorganic perovskite layer", <i>Journal of Materials Chemistry A</i> , 18 March 2021, doi: <a href="https://doi.org/10.1039/d0ta12286f">https://doi.org/10.1039/d0ta12286f</a> .
<b>CAO Chen</b>	# <u>CAO Chen</u> , # <u>YANG G. X.</u> , # <u>TAN Jihua</u> , # <u>SHEN Dong</u> , # <u>CHEN Wencheng</u> , # <u>CHEN Jiexiong</u> , # <u>LIANG Jianli</u> , # <u>ZHU Zelin</u> , # <u>LIU Shihao</u> , # <u>TONG Qingxiao</u> , # <u>LEE Chun Sing</u> , "Deep-blue high-efficiency triplet-triplet annihilation organic light-emitting diodes using donor- and acceptor-modified anthracene fluorescent emitters", <i>Materials Today Energy</i> , 21, 24 March 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100727">https://doi.org/10.1016/j.mtener.2021.100727</a> .
	# <u>CHEN Jiexiong</u> , # <u>XIAO Yafang</u> , # <u>WANG Kai</u> , # <u>FAN Xiao-Chun</u> , # <u>CAO Chen</u> , # <u>CHEN Wencheng</u> , # <u>ZHANG Xiang</u> , # <u>SHI Yi-Zhong</u> , # <u>YU Jia</u> , # <u>GENG Feng-Xia</u> , # <u>ZHANG Xiao Hong</u> , # <u>LEE Chun Sing</u> , "Origin of thermally activated delayed fluorescence in a donor-acceptor type emitter with an optimized nearly planar geometry", <i>Journal of Materials Chemistry C</i> , 8(38), 20 August 2020, pp 13263-13269, doi: <a href="https://doi.org/10.1039/d0tc03747h">https://doi.org/10.1039/d0tc03747h</a> .
	# <u>YANG Sirui</u> , # <u>CAO Chen</u> , # <u>ISLAM Amjad</u> , # <u>SUN Shanshan</u> , # <u>DENG Ziqian</u> , # <u>LI Jiayu</u> , # <u>NI Shaofei</u> , # <u>TONG Qingxiao</u> , # <u>LI Ming-De</u> , "Disentangling Multiple Effects on Excited State Intramolecular Charge Transfer among Asymmetrical Tripartite PPI-TPA/PCz Triads", <i>Chemistry - A European Journal</i> , 27(4), 09 August 2020, pp 1337-1345, doi: <a href="https://doi.org/10.1002/chem.202002862">https://doi.org/10.1002/chem.202002862</a> .
	# <u>YANG Meizhu</u> , # <u>TAN Jihua</u> , # <u>XING Longjiang</u> , # <u>QIU Zhipeng</u> , # <u>CAO Chen</u> , # <u>CHEN Wencheng</u> , # <u>YANG Qin-Dan</u> , # <u>JI Shaomin</u> , # <u>HUO Yanping</u> , # <u>LEE Chun Sing</u> , "A sterically shielded design on anthracene-based emitters for efficient deep-blue organic light-emitting diodes", <i>Journal of Molecular Structure</i> , 1232, 31 January 2021, doi: <a href="https://doi.org/10.1016/j.molstruc.2021.130035">https://doi.org/10.1016/j.molstruc.2021.130035</a> .

## Section A: Publications of PhD Students

	<p><u>CHEN Jiexiong</u>, <u>WANG Kai</u>, #<u>XIAO Yafang</u>, #<u>CAO Chen</u>, #<u>TAN Jihua</u>, <u>WANG Hui</u>, <u>FAN Xiao-Chun</u>, <u>YU Jia</u>, <u>GENG Feng-Xia</u>, <u>ZHANG Xiao-hong</u>, <u>LEE Chun Sing</u>, "Thermally Activated Delayed Fluorescence Warm White Organic Light Emitting Devices with External Quantum Efficiencies Over 30%", <i>Advanced Functional Materials</i>, 31 May 2021, doi: <a href="https://doi.org/10.1002/adfm.202101647">https://doi.org/10.1002/adfm.202101647</a>.</p> <p>#<u>ZHU Zelin</u>, #<u>TAN Jihua</u>, <u>CHEN Wencheng</u>, <u>YUAN Yi</u>, <u>FU Li-Wen</u>, #<u>CAO Chen</u>, <u>YOU Cheng-Ju</u>, <u>NI Shao-Fei</u>, <u>CHI Yun</u>, <u>LEE Chun Sing</u>, "High Performance NIR OLEDs with Low Efficiency Roll-Off by Leveraging Os(II) Phosphors and Exciplex Co-Host", <i>Advanced Functional Materials</i>, 31(33), 13 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102787">https://doi.org/10.1002/adfm.202102787</a>.</p> <p>#<u>XIAO Yafang</u>, <u>CHEN Jiexiong</u>, <u>CHEN Wencheng</u>, <u>ZHENG Xiuli</u>, #<u>CAO Chen</u>, #<u>TAN Jihua</u>, #<u>CUI Xiao</u>, <u>YUAN Zhanxiang</u>, <u>JI Shaomin</u>, <u>LU Guihong</u>, <u>LIU Weimin</u>, <u>WANG Pengfei</u>, <u>LI Shengliang</u>, <u>LEE Chun Sing</u>, "Achieving high singlet-oxygen generation by applying the heavy-atom effect to thermally activated delayed fluorescent materials", <i>Chemical Communications</i>, 57(40), 12 April 2021, pp 4902-4905, doi: <a href="https://doi.org/10.1039/d0cc08323b">https://doi.org/10.1039/d0cc08323b</a>.</p> <p><u>ZANG Chunxiu</u>, <u>LIU Shihao</u>, <u>XU Mengxin</u>, <u>WANG Ruifang</u>, #<u>CAO Chen</u>, #<u>ZHU Zelin</u>, <u>ZHANG Jiaming</u>, <u>WANG Hui</u>, <u>ZHANG Letian</u>, <u>XIE Wenfa</u>, <u>LEE Chun Sing</u>, "Top-emitting thermally activated delayed fluorescence organic light-emitting devices with weak light-matter coupling", <i>Light: Science and Applications</i>, 10, 03 June 2021, doi: <a href="https://doi.org/10.1038/s41377-021-00559-w">https://doi.org/10.1038/s41377-021-00559-w</a>.</p> <p><u>ZHOU Changjiang</u>, #<u>CAO Chen</u>, <u>YANG Dezhi</u>, <u>CAO Xiaosong</u>, <u>LIU He</u>, <u>MA Dongge</u>, <u>LEE Chun Sing</u>, <u>YANG Chuluo</u>, "Highly Efficient Red Thermally Activated Delayed Fluorescence Emitters by Manipulating Molecular Horizontal Orientation", <i>Materials Chemistry Frontiers</i>, 5(7), 01 March 2021, pp 3209-3215, doi: <a href="https://doi.org/10.1039/d1qm00155h">https://doi.org/10.1039/d1qm00155h</a>.</p> <p><u>ZHAN Qun</u>, #<u>CAO Chen</u>, <u>HUANG Taian</u>, <u>ZHOU Changjiang</u>, <u>XIE Ziyang</u>, <u>ZOU Yang</u>, <u>LEE Chun Sing</u>, <u>YANG Chuluo</u>, "3D Triptycene-Fused Acridine Electron Donor Enables High-Efficiency Nondoped Thermally Activated Delayed Fluorescent OLEDs", <i>Advanced Optical Materials</i>, 9(16), 02 June 2021, doi: <a href="https://doi.org/10.1002/adom.202100273">https://doi.org/10.1002/adom.202100273</a>.</p> <p>#<u>ZHAO Qi</u>, #<u>HUANG Zhongming</u>, #<u>WAN Yingpeng</u>, #<u>TAN Jihua</u>, #<u>CAO Chen</u>, <u>LI Shengliang</u>, <u>LEE Chun Sing</u>, "Multifunctional oligomer sponge for efficient solar water purification and oil cleanup", <i>Journal of Materials Chemistry A</i>, 9(4), 04 January 2021, pp 2104-2110, doi: <a href="https://doi.org/10.1039/d0ta10798k">https://doi.org/10.1039/d0ta10798k</a>.</p>
<b>CAO Xiaohu</b>	# <u>CHENG Le</u> , # <u>GUO Weihua</u> , # <u>CAO Xiaohu</u> , # <u>DOU Yubing</u> , # <u>HUANG Libei</u> , # <u>SONG Yun</u> , # <u>SU Jianjun</u> , <u>ZENG Zhiyuan</u> , <u>YE Ruquan</u> , "Laser-induced graphene for environmental applications: progress and opportunities", <i>Materials Chemistry Frontiers</i> , 26 April 2021, doi: <a href="https://doi.org/10.1039/d1qm00437a">https://doi.org/10.1039/d1qm00437a</a> .
<b>CAO Yaru</b>	# <u>CAO Yaru</u> , # <u>WANG Qi</u> , <u>RUAN Yuefei</u> <u>Phoebe</u> , # <u>WU Rongben</u> , <u>CHEN Luoluo</u> , <u>ZHANG Kai</u> , <u>LAM Kwan Sing Paul</u> , "Intra-day microplastic variations in wastewater: A case study of a sewage treatment plant in Hong Kong", <i>Marine Pollution Bulletin</i> , 160, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.marpolbul.2020.111535">https://doi.org/10.1016/j.marpolbul.2020.111535</a> .
<b>CHEN Huan</b>	<u>GAO Yijian</u> , <u>LI Qianqian</u> , <u>LI Chunli</u> , <u>GAO Leyi</u> , # <u>CHEN Huan</u> , <u>LIU Tingting</u> , <u>HUANG Yongwei</u> , <u>LIU Zhonghua</u> , <u>LI Shengliang</u> , "Terselenophene Regioisomer Conjugated Polymer Materials for High-Performance Cancer Phototheranostics", <i>ACS Applied Materials and Interfaces</i> , 12(50), 01 December 2020, pp 55605–55613, doi: <a href="https://doi.org/10.1021/acsami.0c16064">https://doi.org/10.1021/acsami.0c16064</a> .
<b>CHEN Lin</b>	# <u>WEI Xingxing</u> , <u>CHEN Xiaoxuan</u> , # <u>CHEN Lin</u> , # <u>YAN Dexiu</u> , <u>WANG Wei-Guang</u> , <u>MATSUDA Yudai</u> , "Heterologous Biosynthesis of Tetrahydroxanthone Dimers: Determination of Key Factors for Selective or Divergent Synthesis", <i>Journal of Natural Products</i> , 84(5), 23 April 2021, pp 1544–1549, doi: <a href="https://doi.org/10.1021/acs.jnatprod.1c00022">https://doi.org/10.1021/acs.jnatprod.1c00022</a> .
	# <u>WEI Xingxing</u> , # <u>CHEN Lin</u> , <u>TANG Jian-wei</u> , <u>MATSUDA Yudai</u> , "Discovery of Pyranoviolin A and Its Biosynthetic Gene Cluster in <i>Aspergillus violaceofuscus</i> ", <i>Frontiers in Microbiology</i> , 11, 07 October 2020, doi: <a href="https://doi.org/10.3389/fmicb.2020.562063">https://doi.org/10.3389/fmicb.2020.562063</a> .
<b>CHEN Qingxin</b>	<u>XIE Yusheng</u> , # <u>YANG Liu</u> , # <u>CHEN Qingxin</u> , # <u>ZHANG Jie</u> , <u>FENG Ling</u> , <u>CHEN Jian Lin</u> , <u>HAO Quan</u> , <u>ZHANG Liang</u> , <u>SUN Hongyan</u> , "Single-step fluorescent probes to detect decrotonylation activity of HDACs through intramolecular reactions", <i>European Journal of Medicinal Chemistry</i> , 212, 30 December 2020, doi: <a href="https://doi.org/10.1016/j.ejmech.2020.113120">https://doi.org/10.1016/j.ejmech.2020.113120</a> .
	# <u>LI Huangxu</u> , <u>ZHANG Wei</u> , <u>HAN Zexun</u> , <u>SUN Kena</u> , <u>GAO Chunhui</u> , # <u>CHENG Ke</u> , # <u>LIU Zhiyang</u> , # <u>CHEN Qingxin</u> , # <u>ZHANG Jie</u> , <u>LAI Yanqing</u> , <u>ZHANG Zhian</u> , <u>SUN Hongyan</u> , "Pseudocapacitance

## Section A: Publications of PhD Students

	<p>enhanced by N-defects in Na<sub>3</sub>MnTi(PO<sub>4</sub>)<sub>3</sub>/N-doped carbon composite for symmetric full sodium-ion batteries", <i>Materials Today Energy</i>, 21, 14 April 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100754">https://doi.org/10.1016/j.mtener.2021.100754</a>.</p> <p>#<a href="#">YANG Liu</a>, #<a href="#">CHEN Qingxin</a>, #<a href="#">GAN Shenglong</a>, <a href="#">GUO Qiang</a>, #<a href="#">ZHANG Jie</a>, <a href="#">ZHANG Huatang</a>, <a href="#">XIE Yusheng</a>, <a href="#">XIAO Hanyue</a>, <a href="#">WANG Wanhe</a>, <a href="#">SUN Hongyan</a>, "An activatable AIEgen probe for in-situ monitoring and long-term tracking of ferrous ions in living cells", <i>Dyes and Pigments</i>, 190, 02 March 2021, doi: <a href="https://doi.org/10.1016/j.dyepig.2021.109271">https://doi.org/10.1016/j.dyepig.2021.109271</a>.</p> <p>#<a href="#">CHEN Qingxin</a>, #<a href="#">CHENG Ke</a>, <a href="#">WANG Wanhe</a>, #<a href="#">YANG Liu</a>, <a href="#">XIE Yusheng</a>, <a href="#">FENG Ling</a>, #<a href="#">ZHANG Jie</a>, <a href="#">ZHANG Huatang</a>, <a href="#">SUN Hongyan</a>, "A pyrene-based ratiometric fluorescent probe with a large Stokes shift for selective detection of hydrogen peroxide in living cells", <i>Journal of Pharmaceutical Analysis</i>, 10(5), 04 August 2020, pp 490-497, doi: <a href="https://doi.org/10.1016/j.jpha.2020.07.003">https://doi.org/10.1016/j.jpha.2020.07.003</a>.</p> <p>#<a href="#">YANG Liu</a>, #<a href="#">GAN Shenglong</a>, <a href="#">GUO Qiang</a>, <a href="#">ZHANG Huatang</a>, #<a href="#">CHEN Qingxin</a>, #<a href="#">LI Huangxu</a>, <a href="#">SHI Jiahai</a>, <a href="#">SUN Hongyan</a>, "Stimuli-controlled peptide self-assembly with secondary structure transitions and its application in drug release", <i>Materials Chemistry Frontiers</i>, 5(12), 28 April 2021, pp 4664–4671, doi: <a href="https://doi.org/10.1039/d1qm00430a">https://doi.org/10.1039/d1qm00430a</a>.</p> <p><a href="#">XIE Yusheng</a>, #<a href="#">ZHANG Jie</a>, #<a href="#">YANG Liu</a>, #<a href="#">CHEN Qingxin</a>, <a href="#">HAO Quan</a>, <a href="#">ZHANG Liang</a>, <a href="#">SUN Hongyan</a>, "A dual-function chemical probe for detecting erasers of lysine lipoylation", <i>Frontiers of Chemical Science and Engineering</i>, 29 April 2021, doi: <a href="https://doi.org/10.1007/s11705-021-2051-0">https://doi.org/10.1007/s11705-021-2051-0</a>.</p> <p><a href="#">FENG Ling</a>, #<a href="#">WANG Ping</a>, <a href="#">FENG Yi</a>, #<a href="#">ZHANG Jie</a>, #<a href="#">CHEN Qingxin</a>, <a href="#">XIE Yusheng</a>, <a href="#">LUO Jingdong</a>, <a href="#">XIA Jiang</a>, <a href="#">YAO Shao Q.</a>, <a href="#">SUN Hongyan</a>, "A reversible microarray immobilization strategy based on thiol-quinone reaction", <i>Chinese Chemical Letters</i>, 29 June 2021, doi: <a href="https://doi.org/10.1016/j.ccllet.2021.06.056">https://doi.org/10.1016/j.ccllet.2021.06.056</a>.</p>
<b>CHEN Shu</b>	<p><a href="#">XU Zoufeng</a>, <a href="#">TANG Wai Kit</a>, #<a href="#">ZHOU Qiyuan</a>, #<a href="#">CHEN Shu</a>, <a href="#">SIU Chi Kit Andy</a>, <a href="#">ZHU Guangyu</a>, "On the hydrolytic stability of unsymmetric platinum(IV) anticancer prodrugs containing axial halogens", <i>Inorganic Chemistry Frontiers</i>, 8(16), 06 May 2021, pp 3794-3802, doi: <a href="https://doi.org/10.1039/d1qi00208b">https://doi.org/10.1039/d1qi00208b</a>.</p> <p>#<a href="#">YAO Houzong</a>, #<a href="#">CHEN Shu</a>, #<a href="#">DENG Zhiqin</a>, <a href="#">TSE Man Kit</a>, <a href="#">MATSUDA Yudai</a>, <a href="#">ZHU Guangyu</a>, "BODI-Pt, a Green-Light-Activatable and Carboplatin-Based Platinum(IV) Anticancer Prodrug with Enhanced Activation and Cytotoxicity", <i>Inorganic Chemistry</i>, 59(16), 06 August 2020, pp 11823-11833, doi: <a href="https://doi.org/10.1021/acs.inorgchem.0c01880">https://doi.org/10.1021/acs.inorgchem.0c01880</a>.</p> <p>#<a href="#">DENG Zhiqin</a>, #<a href="#">LI Cai</a>, #<a href="#">CHEN Shu</a>, #<a href="#">ZHOU Qiyuan</a>, <a href="#">XU Zoufeng</a>, <a href="#">WANG Zhigang</a>, #<a href="#">YAO Houzong</a>, <a href="#">HIRAO Hajime</a>, <a href="#">ZHU Guangyu</a>, "An intramolecular photoswitch can significantly promote photoactivation of Pt(IV) prodrugs", <i>Chemical Science</i>, 12(19), 01 April 2021, pp 6536-6542, doi: <a href="https://doi.org/10.1039/D0SC06839J">https://doi.org/10.1039/D0SC06839J</a>.</p> <p>#<a href="#">CHEN Shu</a>, #<a href="#">YAO Houzong</a>, #<a href="#">ZHOU Qiyuan</a>, <a href="#">TSE Man Kit</a>, #<a href="#">GUNAWAN Yuliana Fransiska</a>, <a href="#">ZHU Guangyu</a>, "Stability, Reduction, and Cytotoxicity of Platinum(IV) Anticancer Prodrugs Bearing Carbamate Axial Ligands: Comparison with Their Carboxylate Analogues", <i>Inorganic Chemistry</i>, 59(16), 03 August 2020, pp 11676–11687, doi: <a href="https://doi.org/10.1021/acs.inorgchem.0c01541">https://doi.org/10.1021/acs.inorgchem.0c01541</a>.</p>
<b>CHEN Weilong</b>	<p>#<a href="#">ZOU Jie</a>, #<a href="#">ZHANG Di</a>, #<a href="#">CHEN Weilong</a>, <a href="#">LUO Jingdong</a>, "Optimizing the vectorial component of first hyperpolarizabilities of push-pull chromophores to boost the electro-optic activities of poled polymers over broad telecom wavelength bands", <i>Materials Advances</i>, 2(7), 20 February 2021, pp 2318-2327, doi: <a href="https://doi.org/10.1039/d1ma00086a">https://doi.org/10.1039/d1ma00086a</a>.</p> <p>#<a href="#">ZHANG Di</a>, #<a href="#">CHEN Weilong</a>, #<a href="#">ZOU Jie</a>, <a href="#">LUO Jingdong</a>, "Critical Role of Non-classical Intermolecular Hydrogen Bonding in Affecting the <math>\pi</math>-<math>\pi</math> Stacking and Nonlinear Optical Properties of Tricyanofuran-Based Push-Pull Heptamethines", <i>Chemistry of Materials</i>, 33(10), 05 May 2021, pp 3702-3711, doi: <a href="https://doi.org/10.1021/acs.chemmater.1c00704">https://doi.org/10.1021/acs.chemmater.1c00704</a>.</p> <p><a href="#">ZHENG Haoting</a>, <a href="#">WU Kun</a>, #<a href="#">CHEN Weilong</a>, <a href="#">NAN Bingfei</a>, <a href="#">QU Zhencai</a>, <a href="#">LU Mangeng</a>, "High Intrinsic Thermal Conductivity of Polythiophene by Reducing Steric Hindrance and Enhancing p-<math>\pi</math> Conjugation", <i>Macromolecular Chemistry and Physics</i>, 222(10), 13 April 2021, doi: <a href="https://doi.org/10.1002/macp.202000418">https://doi.org/10.1002/macp.202000418</a>.</p>
<b>CHEN Xin</b>	<p>#<a href="#">SONG Yun</a>, <a href="#">ZHANG Jun-Jie</a>, #<a href="#">ZHU Zhaohua</a>, #<a href="#">CHEN Xin</a>, #<a href="#">HUANG Libei</a>, #<a href="#">SU Jianjun</a>, <a href="#">XU Zhengtao</a>, <a href="#">LY Thuc Hue</a>, <a href="#">LEE Chun Sing</a>, <a href="#">YAKOBSON Boris I.</a>, <a href="#">TANG Ben Zhong</a>, <a href="#">YE Ruquan</a>, "Zwitterionic ultrathin covalent organic polymers for high-performance electrocatalytic</p>

## Section A: Publications of PhD Students

	carbon dioxide reduction", <i>Applied Catalysis B: Environmental</i> , 284, 21 November 2020, doi: <a href="https://doi.org/10.1016/j.apcatb.2020.119750">https://doi.org/10.1016/j.apcatb.2020.119750</a> .
	# <a href="#">HUANG Lingli</a> , <a href="#">YANG Tiefeng</a> , <a href="#">WONG Lok Wing</a> , <a href="#">ZHENG Fangyuan</a> , # <a href="#">CHEN Xin</a> , <a href="#">LAI Ka Hei</a> , # <a href="#">LIU Haijun</a> , # <a href="#">THI Quoc Huy</a> , # <a href="#">SHEN Dong</a> , <a href="#">LEE Chun Sing</a> , <a href="#">DENG Qingming</a> , <a href="#">ZHAO Jiong</a> , <a href="#">LY Thuc Hue</a> , "Redox Photochemistry on Van Der Waals Surfaces for Reversible Doping in 2D Materials", <i>Advanced Functional Materials</i> , 31(16), 17 February 2021, doi: <a href="https://doi.org/10.1002/adfm.202009166">https://doi.org/10.1002/adfm.202009166</a> .
	# <a href="#">HUANG Lingli</a> , # <a href="#">THI Quoc Huy</a> , <a href="#">ZHENG Fangyuan</a> , # <a href="#">CHEN Xin</a> , # <a href="#">CHU Yee Wa</a> , <a href="#">LEE Chun Sing</a> , <a href="#">ZHAO Jiong</a> , <a href="#">LY Thuc Hue</a> , "Catalyzed Kinetic Growth in Two-Dimensional MoS <sub>2</sub> ", <i>Journal of the American Chemical Society</i> , 142(30), 02 July 2020, pp 13130-13135, doi: <a href="https://doi.org/10.1021/jacs.0c05057">https://doi.org/10.1021/jacs.0c05057</a> .
<b>CHENG Ke</b>	# <a href="#">LI Huangxu</a> , <a href="#">ZHANG Wei</a> , <a href="#">HAN Zexun</a> , <a href="#">SUN Kena</a> , <a href="#">GAO Chunhui</a> , # <a href="#">CHENG Ke</a> , # <a href="#">LIU Zhiyang</a> , # <a href="#">CHEN Qingxin</a> , # <a href="#">ZHANG Jie</a> , <a href="#">LAI Yanqing</a> , <a href="#">ZHANG Zhian</a> , <a href="#">SUN Hongyan</a> , "Pseudocapacitance enhanced by N-defects in Na <sub>3</sub> MnTi(PO <sub>4</sub> ) <sub>3</sub> /N-doped carbon composite for symmetric full sodium-ion batteries", <i>Materials Today Energy</i> , 21, 14 April 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100754">https://doi.org/10.1016/j.mtener.2021.100754</a> .
	# <a href="#">CHEN Qingxin</a> , # <a href="#">CHENG Ke</a> , <a href="#">WANG Wanhe</a> , # <a href="#">YANG Liu</a> , <a href="#">XIE Yusheng</a> , <a href="#">FENG Ling</a> , # <a href="#">ZHANG Jie</a> , <a href="#">ZHANG Huatang</a> , <a href="#">SUN Hongyan</a> , "A pyrene-based ratiometric fluorescent probe with a large Stokes shift for selective detection of hydrogen peroxide in living cells", <i>Journal of Pharmaceutical Analysis</i> , 10(5), 04 August 2020, pp 490-497, doi: <a href="https://doi.org/10.1016/j.jpha.2020.07.003">https://doi.org/10.1016/j.jpha.2020.07.003</a> .
	<a href="#">QI Junyang</a> , <a href="#">XIONG Yue</a> , # <a href="#">CHENG Ke</a> , <a href="#">HUANG Qi</a> , <a href="#">CAO Jingxiu</a> , <a href="#">HE Fumei</a> , <a href="#">MEI Lin</a> , <a href="#">LIU Gan</a> , <a href="#">DENG Wenbin</a> , "Heterobifunctional PEG-grafted black phosphorus quantum dots: "Three-in-One" nano-platforms for mitochondria-targeted photothermal cancer therapy", <i>Asian Journal of Pharmaceutical Sciences</i> , 16(2), 18 October 2020, pp 222-235, doi: <a href="https://doi.org/10.1016/j.ajps.2020.09.001">https://doi.org/10.1016/j.ajps.2020.09.001</a> .
<b>CHENG Le</b>	# <a href="#">CHENG Le</a> , # <a href="#">GUO Weihua</a> , # <a href="#">CAO Xiaohu</a> , # <a href="#">DOU Yubing</a> , # <a href="#">HUANG Libei</a> , # <a href="#">SONG Yun</a> , # <a href="#">SU Jianjun</a> , <a href="#">ZENG Zhiyuan</a> , <a href="#">YE Ruguan</a> , "Laser-induced graphene for environmental applications: progress and opportunities", <i>Materials Chemistry Frontiers</i> , 26 April 2021, doi: <a href="https://doi.org/10.1039/d1qm00437a">https://doi.org/10.1039/d1qm00437a</a> .
<b>CHENG Shengxian</b>	# <a href="#">CHENG Shengxian</a> , <a href="#">TIEU Peter</a> , <a href="#">GAO Wenpei</a> , <a href="#">HU Jieying</a> , <a href="#">FENG Weijin</a> , <a href="#">HE Jun</a> , <a href="#">PAN Xiaoqing</a> , <a href="#">XU Zhengtao</a> , "Crystallinity after decarboxylation of a metal-carboxylate framework: indestructible porosity for catalysis", <i>Dalton Transactions</i> , 49(34), 24 July 2020, pp 11902-11910, doi: <a href="https://doi.org/10.1039/d0dt02075c">https://doi.org/10.1039/d0dt02075c</a> .
<b>CHUN Yuen Kiu</b>	<a href="#">XIAO Yelan</a> , # <a href="#">CHUN Yuen Kiu</a> , <a href="#">CHENG Shun Cheung</a> , <a href="#">NG Chi On</a> , <a href="#">TSE Man Kit</a> , <a href="#">LEI Ngai Yu</a> , # <a href="#">LIU Ruoyang</a> , <a href="#">KO Chi Chiu Vincent</a> , "Photocatalytic amidation and esterification with perfluoroalkyl iodide", <i>Catalysis Science and Technology</i> , 11(2), 06 November 2020, pp 556-562, doi: <a href="https://doi.org/10.1039/d0cy01419b">https://doi.org/10.1039/d0cy01419b</a> .
	<a href="#">XIAO Yelan</a> , # <a href="#">CHUN Yuen Kiu</a> , <a href="#">CHENG Shun Cheung</a> , # <a href="#">LIU Ruoyang</a> , <a href="#">TSE Man Kit</a> , <a href="#">KO Chi Chiu Vincent</a> , "Visible light photocatalytic cross-coupling and addition reactions of arylalkynes with perfluoroalkyl iodides", <i>Organic &amp; Biomolecular Chemistry</i> , 18(42), 08 October 2020, pp 8686-8693, doi: <a href="https://doi.org/10.1039/d0ob01767a">https://doi.org/10.1039/d0ob01767a</a> .
<b>CUI Xiao</b>	# <a href="#">TIAN Shuang</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">TAN Jihua</a> , # <a href="#">CUI Xiao</a> , # <a href="#">XIAO Yafang</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">LI Xiaozhen</a> , # <a href="#">ZHAO Qi</a> , <a href="#">LI Shengliang</a> , <a href="#">LEE Chun Sing</a> , "Manipulating Interfacial Charge-Transfer Absorption of Cocrystal Absorber for Efficient Solar Seawater Desalination and Water Purification", <i>ACS Energy Letters</i> , 5(8), 28 July 2020, pp 2698-2705, doi: <a href="https://doi.org/10.1021/acsenenergylett.0c01466">https://doi.org/10.1021/acsenenergylett.0c01466</a> .
	# <a href="#">CUI Xiao</a> , <a href="#">LU Guihong</a> , <a href="#">DONG Shengzhi</a> , <a href="#">LI Shengliang</a> , # <a href="#">XIAO Yafang</a> , <a href="#">ZHANG Jingeng</a> , <a href="#">LIU Yanhong</a> , <a href="#">MENG Xiangmin</a> , <a href="#">LI Feng</a> , <a href="#">LEE Chun Sing</a> , "Stable $\pi$ -radical nanoparticles as versatile photosensitizers for effective hypoxia-overcoming photodynamic therapy", <i>Materials Horizons</i> , 8(2), 05 November 2020, pp 571-576, doi: <a href="https://doi.org/10.1039/d0mh01312a">https://doi.org/10.1039/d0mh01312a</a> .
	# <a href="#">LEE Ka Wai</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">LI Xiaozhen</a> , # <a href="#">CUI Xiao</a> , <a href="#">LI Shengliang</a> , <a href="#">LEE Chun Sing</a> , "Recent Progress of Alkyl Radicals Generation-Based Agents for Biomedical Applications", <i>Advanced Healthcare Materials</i> , 10(10), 18 March 2021, doi: <a href="https://doi.org/10.1002/adhm.202100055">https://doi.org/10.1002/adhm.202100055</a> .



## Section A: Publications of PhD Students

	<p>#ZHAO Qi, #HUANG Zhongming, #TIAN Shuang, #CUI Xiao, #WAN Yingpeng, #LI Xiaozhen, #XIAO Yafang, LI Shengliang, LEE Chun Sing, "Superwetting BaC bilayer foam for high cost-performance solar water purification", <i>Materials Today Energy</i>, 18, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100498">https://doi.org/10.1016/j.mtener.2020.100498</a>.</p>
	<p>#WAN Yingpeng, LU Guihong, WEI Wei-Chih, HUANG Yi-Hsuan, LI Shengliang, CHEN Jiexiong, #CUI Xiao, #XIAO Yafang, #LI Xiaozhen, LIU Yanhong, MENG Xiangmin, WANG Pengfei, XIE Hai-Yan, ZHANG Jinfeng, WONG Ken-Tsung, LEE Chun Sing, "Stable Organic Photosensitizer Nanoparticles with Absorption Peak beyond 800 Nanometers and High Reactive Oxygen Species Yield for Multimodality Phototheranostics", <i>ACS Nano</i>, 14(8), 24 July 2020, pp 9917-9928, doi: <a href="https://doi.org/10.1021/acsnano.0c02767">https://doi.org/10.1021/acsnano.0c02767</a>.</p>
	<p>#XIAO Yafang, XIANG Chenyang, LI Shengliang, MAO Cong, CHEN Haoting, CHEN Jia-Xiong, #TIAN Shuang, #CUI Xiao, #WAN Yingpeng, #HUANG Zhongming, #LI Xiaozhen, ZHANG Xiao Hong, GUO Weisheng, LEE Chun Sing, "Single-Photomolecular Nanotheranostics for Synergetic Near-Infrared Fluorescence and Photoacoustic Imaging-Guided Highly Effective Photothermal Ablation", <i>Small</i>, 16(34), 22 July 2020, doi: <a href="https://doi.org/10.1002/smll.202002672">https://doi.org/10.1002/smll.202002672</a>.</p>
	<p>#CUI Xiao, #ZHAO Qi, #HUANG Zhongming, #XIAO Yafang, #WAN Yingpeng, LI Shengliang, LEE Chun Sing, "Water-Splitting Based and Related Therapeutic Effects: Evolving Concepts, Progress, and Perspectives", <i>Small</i>, 16(47), 30 October 2020, doi: <a href="https://doi.org/10.1002/smll.202004551">https://doi.org/10.1002/smll.202004551</a>.</p>
	<p>#CUI Xiao, LU Guihong, FANG Fang, XIONG Yuan, #TIAN Shuang, #WAN Yingpeng, #XIAO Yafang, #SHEN Dong, WANG Hui, ZHANG Jinfeng, LEE Chun Sing, "Iron Self-Boosting Polymer Nanoenzyme for Low-Temperature Photothermal-Enhanced Ferrotherapy", <i>ACS Applied Materials and Interfaces</i>, 13(26), 25 June 2021, pp 30274–30283, doi: <a href="https://doi.org/10.1021/acscami.1c01658">https://doi.org/10.1021/acscami.1c01658</a>.</p>
	<p>LI Shengliang, DENG Qingyuan, #ZHANG Yachao, #LI Xiaozhen, #WEN Guohua, #CUI Xiao, #WAN Yingpeng, HUANG Yongwei, CHEN Jiexiong, LIU Zhonghua, WANG Lidai, LEE Chun Sing, "Rational Design of Conjugated Small Molecules for Superior Photothermal Theranostics in the NIR-II Biowindow", <i>Advanced Materials</i>, 32(33), 06 July 2020, doi: <a href="https://doi.org/10.1002/adma.202001146">https://doi.org/10.1002/adma.202001146</a>.</p>
	<p>CHELORA VEETIL Jipsa, LIANG Yuchao, WEI Wei-Chih, #CUI Xiao, #XIAO Yafang, #WAN Yingpeng, #HUANG Zhongming, #TIAN Shuang, LI Shengliang, HUANG Yi-Hsuan, WONG Ken-Tsung, LEE Chun Sing, "Single molecular nanomedicine with NIR light-initiated superoxide radical, singlet oxygen and thermal generation for hypoxia-overcoming cancer therapy", <i>Nanoscale</i>, 13(17), 07 April 2021, pp 8012-8016, doi: <a href="https://doi.org/10.1039/d1nr01094h">https://doi.org/10.1039/d1nr01094h</a>.</p>
	<p>#XIAO Yafang, CHEN Jiexiong, CHEN Wencheng, ZHENG Xiuli, #CAO Chen, #TAN Jihua, #CUI Xiao, YUAN Zhanxiang, JI Shaomin, LU Guihong, LIU Weimin, WANG Pengfei, LI Shengliang, LEE Chun Sing, "Achieving high singlet-oxygen generation by applying the heavy-atom effect to thermally activated delayed fluorescent materials", <i>Chemical Communications</i>, 57(40), 12 April 2021, pp 4902-4905, doi: <a href="https://doi.org/10.1039/d0cc08323b">https://doi.org/10.1039/d0cc08323b</a>.</p>
	<p>#TIAN Shuang, BAI Haotian, LI Shengliang, #XIAO Yafang, #CUI Xiao, #LI Xiaozhen, #TAN Jihua, #HUANG Zhongming, #SHEN Dong, LIU Weimin, WANG Pengfei, TANG Ben Zhong, LEE Chun Sing, "Water-Soluble Organic Nanoparticles with Programable Intermolecular Charge Transfer for NIR-II Photothermal Anti-Bacterial Therapy", <i>Angewandte Chemie (International Edition)</i>, 60(21), 16 March 2021, pp 11758-11762, doi: <a href="https://doi.org/10.1002/anie.202101406">https://doi.org/10.1002/anie.202101406</a>.</p>
DEMISSIE Ephrem Gizachew	<p>HELLER Jakob, TANG Wai Kit, CUNNINGHAM Ethan, #DEMISSIE Ephrem Gizachew, VAN DER LINDE Christian, LAM Wing Ka, ONČÁK Milan, SIU Chi Kit Andy, BEYER Martin K., "Getting Ready for the Hydrogen Evolution Reaction: The Infrared Spectrum of Hydrated Aluminum Hydride-Hydroxide <math>\text{AlOH}+(\text{H}_2\text{O})_{n-1}</math>, <math>n = 9-14</math>", <i>Angewandte Chemie - International Edition</i>, 60(31), 19 May 2021, pp 16858-16863, doi: <a href="https://doi.org/10.1002/anie.202105166">https://doi.org/10.1002/anie.202105166</a></p> <p>"Getting Ready for the Hydrogen Evolution Reaction: The Infrared Spectrum of Hydrated Aluminum Hydride-Hydroxide <math>\text{AlOH}+(\text{H}_2\text{O})_{n-1}</math>, <math>n = 9-14</math>", <i>Angewandte Chemie - International Edition</i>, 60(31), 19 May 2021, pp 16858-16863, doi: <a href="https://doi.org/10.1002/anie.202105166">https://doi.org/10.1002/anie.202105166</a>.</p>

## Section A: Publications of PhD Students

<b>DENG Zhiqin</b>	LI Xingguang, DUAN Meng, #DENG Zhiqin, SHAO Qianzhen, CHEN Min, ZHU Guangyu, HOUK K. N., SUN Jianwei, "Catalytic enantioselective synthesis of chiral tetraarylmethanes", <i>Nature Catalysis</i> , 3(12), 14 December 2020, pp 1010-1019, doi: <a href="https://doi.org/10.1038/s41929-020-00535-4">https://doi.org/10.1038/s41929-020-00535-4</a> .
	#REN Biyun, CHEN Bing, #ZHAO Jianxiong, #GUO Yang, #ZHANG Xin, CHEN Xian, DU Yangyang, #DENG Zhiqin, ZHU Guangyu, WANG Feng, "Synthesis of Core-Shell ScF <sub>3</sub> Nanoparticles for Thermal Enhancement of Upconversion", <i>Chemistry of Materials</i> , 33(1), 15 December 2020, pp 158–163, doi: <a href="https://doi.org/10.1021/acs.chemmater.0c03124">https://doi.org/10.1021/acs.chemmater.0c03124</a> .
	ZHOU Binbin, OU Weihui, #ZHAO Chenghao, #SHEN Junda, ZHANG Guobin, TANG Xianghu, #DENG Zhiqin, ZHU Guangyu, LI Yangyang, LU Jian, "Insertable and reusable SERS sensors for rapid on-site quality control of fish and meat products", <i>Chemical Engineering Journal</i> , 426, 10 June 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.130733">https://doi.org/10.1016/j.cej.2021.130733</a> .
	XU Zoufeng, WANG Zhigang, #DENG Zhiqin, ZHU Guangyu, "Recent advances in the synthesis, stability, and activation of platinum(IV) anticancer prodrugs", <i>Coordination Chemistry Reviews</i> , 442, 18 May 2021, doi: <a href="https://doi.org/10.1016/j.ccr.2021.213991">https://doi.org/10.1016/j.ccr.2021.213991</a> .
	#YAO Houzong, #CHEN Shu, #DENG Zhiqin, TSE Man Kit, MATSUDA Yudai, ZHU Guangyu, "BODI-Pt, a Green-Light-Activatable and Carboplatin-Based Platinum(IV) Anticancer Prodrug with Enhanced Activation and Cytotoxicity", <i>Inorganic Chemistry</i> , 59(16), 06 August 2020, pp 11823-11833, doi: <a href="https://doi.org/10.1021/acs.inorgchem.0c01880">https://doi.org/10.1021/acs.inorgchem.0c01880</a> .
	#DENG Zhiqin, #LI Cai, #CHEN Shu, #ZHOU Qiyuan, XU Zoufeng, WANG Zhigang, #YAO Houzong, HIRAO Hajime, ZHU Guangyu, "An intramolecular photoswitch can significantly promote photoactivation of Pt(IV) prodrugs", <i>Chemical Science</i> , 12(19), 01 April 2021, pp 6536-6542, doi: <a href="https://doi.org/10.1039/D0SC06839J">https://doi.org/10.1039/D0SC06839J</a> .
<b>DOU Yubing</b>	#CHENG Le, #GUO Weihua, #CAO Xiaohu, #DOU Yubing, #HUANG Libei, #SONG Yun, #SU Jianjun, ZENG Zhiyuan, YE Ruquan, "Laser-induced graphene for environmental applications: progress and opportunities", <i>Materials Chemistry Frontiers</i> , 26 April 2021, doi: <a href="https://doi.org/10.1039/d1qm00437a">https://doi.org/10.1039/d1qm00437a</a> .
<b>GAN Shenglong</b>	#YANG Liu, #CHEN Qingxin, #GAN Shenglong, GUO Qiang, #ZHANG Jie, ZHANG Huatang, XIE Yusheng, XIAO Hanyue, WANG Wanhe, SUN Hongyan, "An activatable AIEgen probe for in-situ monitoring and long-term tracking of ferrous ions in living cells", <i>Dyes and Pigments</i> , 190, 02 March 2021, doi: <a href="https://doi.org/10.1016/j.dyepig.2021.109271">https://doi.org/10.1016/j.dyepig.2021.109271</a> .
	#YANG Liu, #GAN Shenglong, GUO Qiang, ZHANG Huatang, #CHEN Qingxin, #LI Huangxu, SHI Jiahai, SUN Hongyan, "Stimuli-controlled peptide self-assembly with secondary structure transitions and its application in drug release", <i>Materials Chemistry Frontiers</i> , 5(12), 28 April 2021, pp 4664–4671, doi: <a href="https://doi.org/10.1039/d1qm00430a">https://doi.org/10.1039/d1qm00430a</a> .
<b>GE Yonghe</b>	#LIU Ling Sum, #WANG Fei, #GE Yonghe, LO Pik Kwan Peggy, "Recent Developments in Aptasensors for Diagnostic Applications", <i>ACS Applied Materials and Interfaces</i> , 13(8), 06 November 2020, pp 9329–9358, doi: <a href="https://doi.org/10.1021/acsami.0c14788">https://doi.org/10.1021/acsami.0c14788</a> .
<b>GU Jiarui</b>	#GU Jiarui, YAN Meng, LEUNG To Yan, #TIAN Li, LAM Tsz Tung, CHENG Shuk Han, LAM Kwan Sing Paul, "Toxicity effects of hydrophilic algal lysates from <i>Coolia tropicalis</i> on marine medaka larvae ( <i>Oryzias melastigma</i> )", <i>Aquatic Toxicology</i> , 234, 23 February 2021, doi: <a href="https://doi.org/10.1016/j.aquatox.2021.105787">https://doi.org/10.1016/j.aquatox.2021.105787</a> .
	LIU Zhidi, LIAO Ran, MA Hui, LI Jiajin, LEUNG To Yan, YAN Meng, #GU Jiarui, "Classification of marine microalgae using low-resolution Mueller matrix images and convolutional neural network", <i>Applied Optics</i> , 59(31), 23 October 2020, pp 9698-9709, doi: <a href="https://doi.org/10.1364/AO.405427">https://doi.org/10.1364/AO.405427</a> .
	WEI Jiehong, #GU Jiarui, LIU Min, LIN Bai-An, LEE Yeung, WAI Tak Cheung, LAM Kwan Sing Paul, YAN Meng, LEUNG To Yan, "Littoral Water in Hong Kong as a Potential Transient Habitat for Juveniles of a Temperate Deepwater Gnomefish, <i>Scombrops boops</i> (Acropomatiformes: Scombroidae)", <i>Zoological Studies</i> , 60, 2021, doi: <a href="https://doi.org/10.6620/ZS.2021.60-33">https://doi.org/10.6620/ZS.2021.60-33</a> .
	LI Xin, YAN Meng, #GU Jiarui, LAM Tsz Tung, WAI Tak Cheung, BAKER David M., THOMPSON Philip D., YIU King Fung, LAM Kwan Sing Paul, LEUNG To Yan, "The effect of temperature on physiology, toxicity and toxin content of the benthic dinoflagellate <i>Coolia malayensis</i> from a seasonal tropical region", <i>Water Research</i> , 185, 03 August 2020, doi: <a href="https://doi.org/10.1016/j.watres.2020.116264">https://doi.org/10.1016/j.watres.2020.116264</a> .

## Section A: Publications of PhD Students

<b>GUO Weihua</b>	# <u>CHENG Le</u> , # <u>GUO Weihua</u> , # <u>CAO Xiaohu</u> , # <u>DOU Yubing</u> , # <u>HUANG Libei</u> , # <u>SONG Yun</u> , # <u>SU Jianjun</u> , # <u>ZENG Zhiyuan</u> , # <u>YE Ruquan</u> , "Laser-induced graphene for environmental applications: progress and opportunities", <i>Materials Chemistry Frontiers</i> , 26 April 2021, doi: <a href="https://doi.org/10.1039/d1qm00437a">https://doi.org/10.1039/d1qm00437a</a> .
<b>HE Zhen</b>	# <u>LU Shiyao</u> , # <u>LIANG Jinzhe</u> , # <u>LONG Huiwu</u> , # <u>LI Huangxu</u> , # <u>ZHOU Xichen</u> , # <u>HE Zhen</u> , # <u>CHEN Ye</u> , # <u>SUN Hongyan</u> , # <u>FAN Zhanxi</u> , # <u>ZHANG Hua</u> , "Crystal Phase Control of Gold Nanomaterials by Wet-Chemical Synthesis", <i>Accounts of Chemical Research</i> , 53(10), 24 September 2020, pp 2106–2118, doi: <a href="https://doi.org/10.1021/acs.accounts.0c00487">https://doi.org/10.1021/acs.accounts.0c00487</a> . # <u>MA Yangbo</u> , # <u>WANG Juan</u> , # <u>YU Jinli</u> , # <u>ZHOU Jingwen</u> , # <u>ZHOU Xichen</u> , # <u>LI Huangxu</u> , # <u>HE Zhen</u> , # <u>LONG Huiwu</u> , # <u>WANG Yunhao</u> , # <u>LU Pengyi</u> , # <u>YIN Jinwen</u> , # <u>SUN Hongyan</u> , # <u>ZHANG Zhicheng</u> , # <u>FAN Zhanxi</u> , "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i> , 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a> .
<b>HUANG Libei</b>	# <u>SONG Yun</u> , # <u>ZHANG Jun-Jie</u> , # <u>ZHU Zhaohua</u> , # <u>CHEN Xin</u> , # <u>HUANG Libei</u> , # <u>SU Jianjun</u> , # <u>XU Zhengtao</u> , # <u>LY Thuc Hue</u> , # <u>LEE Chun Sing</u> , # <u>YAKOBSON Boris I.</u> , # <u>TANG Ben Zhong</u> , # <u>YE Ruquan</u> , "Zwitterionic ultrathin covalent organic polymers for high-performance electrocatalytic carbon dioxide reduction", <i>Applied Catalysis B: Environmental</i> , 284, 21 November 2020, doi: <a href="https://doi.org/10.1016/j.apcatb.2020.119750">https://doi.org/10.1016/j.apcatb.2020.119750</a> . # <u>HUANG Libei</u> , # <u>XU Siyu</u> , # <u>WANG Zhaoyu</u> , # <u>XUE Ke</u> , # <u>SU Jianjun</u> , # <u>SONG Yun</u> , # <u>CHEN Sijie</u> , # <u>ZHU Chunlei</u> , # <u>TANG Ben Zhong</u> , # <u>YE Ruquan</u> , "Self-Reporting and Photothermally Enhanced Rapid Bacterial Killing on a Laser-Induced Graphene Mask", <i>ACS Nano</i> , 14(9), 11 August 2020, pp 12045-12053, doi: <a href="https://doi.org/10.1021/acsnano.0c05330">https://doi.org/10.1021/acsnano.0c05330</a> . # <u>TIAN Pengfei</u> , # <u>ZHANG Bo</u> , # <u>CHEN Jiacheng</u> , # <u>ZHANG Jing</u> , # <u>HUANG Libei</u> , # <u>YE Ruquan</u> , # <u>BAO Bo</u> , # <u>ZHU Minghui</u> , "Curvature-induced electronic tuning of molecular catalysts for CO <sub>2</sub> reduction", <i>Catalysis Science and Technology</i> , 11(7), 19 January 2021, pp 2491-2496, doi: <a href="https://doi.org/10.1039/d0cy01589j">https://doi.org/10.1039/d0cy01589j</a> . # <u>SU Jianjun</u> , # <u>ZHANG Jun-Jie</u> , # <u>CHEN Jiacheng</u> , # <u>SONG Yun</u> , # <u>HUANG Libei</u> , # <u>ZHU Minghui</u> , # <u>YAKOBSON Boris I.</u> , # <u>TANG Ben Zhong</u> , # <u>YE Ruquan</u> , "Building a stable cationic molecule/electrode interface for highly efficient and durable CO <sub>2</sub> reduction at an industrially relevant current", <i>Energy and Environmental Science</i> , 14(1), 08 December 2020, pp 483-492, doi: <a href="https://doi.org/10.1039/d0ee02535f">https://doi.org/10.1039/d0ee02535f</a> . # <u>HUANG Libei</u> , # <u>LING Li</u> , # <u>SU Jianjun</u> , # <u>SONG Yun</u> , # <u>WANG Zhaoyu</u> , # <u>TANG Ben Zhong</u> , # <u>WESTERHOFF Paul</u> , # <u>YE Ruquan</u> , "Laser-Engineered Graphene on Wood Enables Efficient Antibacterial, Anti-Salt-Fouling, and Lipophilic-Matter-Rejection Solar Evaporation", <i>ACS Applied Materials and Interfaces</i> , 12(46), 09 November 2020, pp 51864–51872, doi: <a href="https://doi.org/10.1021/acsami.0c16596">https://doi.org/10.1021/acsami.0c16596</a> . # <u>HUANG Libei</u> , # <u>SU Jianjun</u> , # <u>SONG Yun</u> , # <u>YE Ruquan</u> , "Laser-Induced Graphene: En Route to Smart Sensing", <i>Nano-Micro Letters</i> , 12(1), 03 August 2020, doi: <a href="https://doi.org/10.1007/s40820-020-00496-0">https://doi.org/10.1007/s40820-020-00496-0</a> . # <u>CHENG Le</u> , # <u>GUO Weihua</u> , # <u>CAO Xiaohu</u> , # <u>DOU Yubing</u> , # <u>HUANG Libei</u> , # <u>SONG Yun</u> , # <u>SU Jianjun</u> , # <u>ZENG Zhiyuan</u> , # <u>YE Ruquan</u> , "Laser-induced graphene for environmental applications: progress and opportunities", <i>Materials Chemistry Frontiers</i> , 26 April 2021, doi: <a href="https://doi.org/10.1039/d1qm00437a">https://doi.org/10.1039/d1qm00437a</a> . # <u>HUANG Libei</u> , # <u>GU Meijia</u> , # <u>WANG Zhaoyu</u> , # <u>TANG Tsz Wing</u> , # <u>ZHU Zonglong</u> , # <u>YUAN Yuncong</u> , # <u>WANG Dong</u> , # <u>SHEN Chao</u> , # <u>TANG Ben Zhong</u> , # <u>YE Ruquan</u> , "Highly Efficient and Rapid Inactivation of Coronavirus on Non-Metal Hydrophobic Laser-Induced Graphene in Mild Conditions", <i>Advanced Functional Materials</i> , 31(24), 09 March 2021, doi: <a href="https://doi.org/10.1002/adfm.202101195">https://doi.org/10.1002/adfm.202101195</a> .
<b>HUANG Lingli</b>	# <u>HUANG Lingli</u> , # <u>YANG Tiefeng</u> , # <u>WONG Lok Wing</u> , # <u>ZHENG Fangyuan</u> , # <u>CHEN Xin</u> , # <u>LAI Ka Hei</u> , # <u>LIU Haijun</u> , # <u>THI Quoc Huy</u> , # <u>SHEN Dong</u> , # <u>LEE Chun Sing</u> , # <u>DENG Qingming</u> , # <u>ZHAO Jiong</u> , # <u>LY Thuc Hue</u> , "Redox Photochemistry on Van Der Waals Surfaces for Reversible Doping in 2D Materials", <i>Advanced Functional Materials</i> , 31(16), 17 February 2021, doi: <a href="https://doi.org/10.1002/adfm.202009166">https://doi.org/10.1002/adfm.202009166</a> . # <u>HUANG Lingli</u> , # <u>THI Quoc Huy</u> , # <u>ZHENG Fangyuan</u> , # <u>CHEN Xin</u> , # <u>CHU Yee Wa</u> , # <u>LEE Chun Sing</u> , # <u>ZHAO Jiong</u> , # <u>LY Thuc Hue</u> , "Catalyzed Kinetic Growth in Two-Dimensional MoS <sub>2</sub> ", <i>Journal of</i>

## Section A: Publications of PhD Students

	<p><i>the American Chemical Society</i>, 142(30), 02 July 2020, pp 13130-13135, doi: <a href="https://doi.org/10.1021/jacs.0c05057">https://doi.org/10.1021/jacs.0c05057</a>.</p>
	<p>#HUANG Lingli, ZHENG Fangyuan, CHEN Honglin, #THI Quoc Huy, CHEN Xin, #LIU Haijun, LEE Chun Sing, DENG Qingming, ZHAO Jiong, LY Thuc Hue, "Mechanical origin of martensite-like structures in two-dimensional ReS<sub>2</sub>", <i>Communications Materials</i>, 2, 2021, doi: <a href="https://doi.org/10.1038/s43246-021-00190-7">https://doi.org/10.1038/s43246-021-00190-7</a>.</p>
	<p>ZHENG Fangyuan, #HUANG Lingli, WONG Lok Wing, HAN Jin, CAI Kai-Yuan, DENG Qingming, LY Thuc Hue, ZHAO Jiong, WANG Ning, "The Mobile and Pinned Grain Boundaries in 2D Monoclinic Rhenium Disulfide", <i>Advanced Science</i>, 7(22), 12 October 2020, doi: <a href="https://doi.org/10.1002/advs.202001742">https://doi.org/10.1002/advs.202001742</a>.</p>
	<p>#HUANG Lingli, ZHENG Fangyuan, DENG Qingming, #THI Quoc Huy, WONG Lok Wing, CAI Yuan, WANG Ning, LEE Chun Sing, LAU Shu-Ping, CHHOWALLA Manish, LI Ju, LY Thuc Hue, ZHAO Jiong, "In Situ Scanning Transmission Electron Microscopy Observations of Fracture at the Atomic Scale", <i>Physical Review Letters</i>, 125(24), 09 December 2020, doi: <a href="https://doi.org/10.1103/PhysRevLett.125.246102">https://doi.org/10.1103/PhysRevLett.125.246102</a>.</p>
	<p>#HUANG Lingli, ZHENG Fangyuan, DENG Qingming, #THI Quoc Huy, WONG Lok Wing, CAI Yuan, WANG Ning, LEE Chun Sing, LAU Shu Ping, LY Thuc Hue, ZHAO Jiong, "Anomalous fracture in two-dimensional rhenium disulfide", <i>Science Advances</i>, 6(47), 18 November 2020, doi: <a href="https://doi.org/10.1126/sciadv.abc2282">https://doi.org/10.1126/sciadv.abc2282</a>.</p>
<b>HUANG Zhongming</b>	<p>#TIAN Shuang, #HUANG Zhongming, #TAN Jihua, #CUI Xiao, #XIAO Yafang, #WAN Yingpeng, #LI Xiaozhen, #ZHAO Qi, LI Shengliang, LEE Chun Sing, "Manipulating Interfacial Charge-Transfer Absorption of Cocrystal Absorber for Efficient Solar Seawater Desalination and Water Purification", <i>ACS Energy Letters</i>, 5(8), 28 July 2020, pp 2698-2705, doi: <a href="https://doi.org/10.1021/acseenergylett.0c01466">https://doi.org/10.1021/acseenergylett.0c01466</a>.</p>
	<p>#HUANG Zhongming, LUO Yu-Hui, GENG Wu-Yue, #WAN Yingpeng, LI Shengliang, LEE Chun Sing, "Marriage of 2D Covalent–Organic Framework and 3D Network as Stable Solar–Thermal Still for Efficient Solar Steam Generation", <i>Small Methods</i>, 5(5), 09 April 2021, doi: <a href="https://doi.org/10.1002/smt.202100036">https://doi.org/10.1002/smt.202100036</a>.</p>
	<p>#ZHAO Qi, #HUANG Zhongming, #TIAN Shuang, #CUI Xiao, #WAN Yingpeng, #LI Xiaozhen, #XIAO Yafang, LI Shengliang, LEE Chun Sing, "Superwetting BaC bilayer foam for high cost-performance solar water purification", <i>Materials Today Energy</i>, 18, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100498">https://doi.org/10.1016/j.mtener.2020.100498</a>.</p>
	<p>#XIAO Yafang, XIANG Chenyang, LI Shengliang, MAO Cong, CHEN Haoting, CHEN Jia-Xiong, #TIAN Shuang, #CUI Xiao, #WAN Yingpeng, #HUANG Zhongming, #LI Xiaozhen, ZHANG Xiao Hong, GUO Weisheng, LEE Chun Sing, "Single-Photomolecular Nanotheranostics for Synergetic Near-Infrared Fluorescence and Photoacoustic Imaging-Guided Highly Effective Photothermal Ablation", <i>Small</i>, 16(34), 22 July 2020, doi: <a href="https://doi.org/10.1002/smll.202002672">https://doi.org/10.1002/smll.202002672</a>.</p>
	<p>#LI Xiaozhen, #ZHANG Di, YIN Chao, LU Guihong, #WAN Yingpeng, #HUANG Zhongming, #TAN Jihua, LI Shengliang, LUO Jingdong, LEE Chun Sing, "A Diradicaloid Small Molecular Nanotheranostic with Strong Near-Infrared Absorbance for Effective Cancer Photoacoustic Imaging and Photothermal Therapy", <i>ACS Applied Materials &amp; Interfaces</i>, 13(14), 31 March 2021, pp 15983-15991, doi: <a href="https://doi.org/10.1021/acsaami.0c21889">https://doi.org/10.1021/acsaami.0c21889</a>.</p>
	<p>#CUI Xiao, #ZHAO Qi, #HUANG Zhongming, #XIAO Yafang, #WAN Yingpeng, LI Shengliang, LEE Chun Sing, "Water-Splitting Based and Related Therapeutic Effects: Evolving Concepts, Progress, and Perspectives", <i>Small</i>, 16(47), 30 October 2020, doi: <a href="https://doi.org/10.1002/smll.202004551">https://doi.org/10.1002/smll.202004551</a>.</p>
	<p>#HUANG Zhongming, WEI Jinchao, #WAN Yingpeng, LI Peng, YU Jie, DONG Jiayi, WANG Shuangpeng, LI Shengliang, LEE Chun Sing, "Aligned Millineedle Arrays for Solar Power Seawater Desalination with Site-Specific Salt Formation", <i>Small</i>, 21 June 2021, doi: <a href="https://doi.org/10.1002/smll.202101487">https://doi.org/10.1002/smll.202101487</a>.</p>
	<p>CHELORA VEETIL Jipsa, LIANG Yuchao, WEI Wei-Chih, #CUI Xiao, #XIAO Yafang, #WAN Yingpeng, #HUANG Zhongming, #TIAN Shuang, LI Shengliang, HUANG Yi-Hsuan, WONG Ken-Tsung, LEE Chun Sing, "Single molecular nanomedicine with NIR light-initiated superoxide radical, singlet oxygen and thermal generation for hypoxia-overcoming cancer therapy", <i>Nanoscale</i>, 13(17), 07 April 2021, pp 8012-8016, doi: <a href="https://doi.org/10.1039/d1nr01094h">https://doi.org/10.1039/d1nr01094h</a>.</p>

## Section A: Publications of PhD Students

	<p>SUN Yuzhou, WEI Jinchao, ZOU Jian, CHENG Zehua, #HUANG Zhongming, GU Liqiang, ZHONG Zhangfeng, <u>LI Shengliang</u>, WANG Yitao, LI Peng, "Electrochemical detection of methyl-paraoxon based on bifunctional cerium oxide nanozyme with catalytic activity and signal amplification effect", <i>Journal of Pharmaceutical Analysis</i>, 08 September 2020, doi: <a href="https://doi.org/10.1016/j.jpha.2020.09.002">https://doi.org/10.1016/j.jpha.2020.09.002</a>.</p> <p>#KANG Tianxing, #TAN Jihua, #LI Xiaocui, #LIANG Jianli, WANG Hui, #SHEN Dong, #WU Yan, #HUANG Zhongming, <u>LU Yang</u>, TONG Zhongqiu, <u>LEE Chun Sing</u>, "Armoring SiO<sub>2</sub> with a conformal LiF layer to boost lithium storage", <i>Journal of Materials Chemistry A</i>, 9(12), 19 February 2021, pp 7807-7816, doi: <a href="https://doi.org/10.1039/d0ta12508c">https://doi.org/10.1039/d0ta12508c</a>.</p> <p>#TIAN Shuang, BAI Haotian, <u>LI Shengliang</u>, #XIAO Yafang, #CUI Xiao, #LI Xiaozhen, #TAN Jihua, #HUANG Zhongming, #SHEN Dong, LIU Weimin, WANG Pengfei, TANG Ben Zhong, <u>LEE Chun Sing</u>, "Water-Soluble Organic Nanoparticles with Programable Intermolecular Charge Transfer for NIR-II Photothermal Anti-Bacterial Therapy", <i>Angewandte Chemie (International Edition)</i>, 60(21), 16 March 2021, pp 11758-11762, doi: <a href="https://doi.org/10.1002/anie.202101406">https://doi.org/10.1002/anie.202101406</a>.</p> <p>#ZHAO Qi, #HUANG Zhongming, #WAN Yingpeng, #TAN Jihua, #CAO Chen, <u>LI Shengliang</u>, <u>LEE Chun Sing</u>, "Multifunctional oligomer sponge for efficient solar water purification and oil cleanup", <i>Journal of Materials Chemistry A</i>, 9(4), 04 January 2021, pp 2104-2110, doi: <a href="https://doi.org/10.1039/d0ta10798k">https://doi.org/10.1039/d0ta10798k</a>.</p>
IO Kai Wa	<p>#LEUNG Kam Keung, #LEE Cho Cheung, YEUNG Ho Yin, #IO Kai Wa, <u>LO Kam Wing Kenneth</u>, "Bioorthogonal control of the phosphorescence and singlet oxygen photosensitisation properties of iridium(iii) tetrazine complexes", <i>Chemical Communications</i>, 57(40), 07 April 2021, pp 4914-4917, doi: <a href="https://doi.org/10.1039/d1cc00545f">https://doi.org/10.1039/d1cc00545f</a>.</p>
JIANG Kunlun	<p>#QIU Yuwei, #JIANG Kunlun, <u>WU Jingrui</u>, #MI Hua, PENG Yung-kang, <u>GO Yun Young</u>, PARK Hyun June, <u>LEE Jung-hoon</u>, "Fast and sensitive immuno-PCR assisted by plasmonic magnetic nanoparticles", <i>Applied Materials Today</i>, 23, 13 May 2021, doi: <a href="https://doi.org/10.1016/j.apmt.2021.101054">https://doi.org/10.1016/j.apmt.2021.101054</a>.</p> <p>#JIANG Kunlun, <u>WU Jingrui</u>, #QIU Yuwei, <u>GO Yun Young</u>, <u>BAN Kiwon</u>, PARK Hyun June, <u>LEE Jung-hoon</u>, "Plasmonic colorimetric PCR for Rapid molecular diagnostic assays", <i>Sensors and Actuators: B. Chemical</i>, 337, 10 March 2021, doi: <a href="https://doi.org/10.1016/j.snb.2021.129762">https://doi.org/10.1016/j.snb.2021.129762</a>.</p> <p><u>WU Jingrui</u>, #JIANG Kunlun, #MI Hua, #QIU Yuwei, SON Jiwoong, PARK Hyun June, NAM Jwa-Min, <u>LEE Jung-hoon</u>, "A rapid and sensitive fluorescence biosensor based on plasmonic PCR", <i>Nanoscale</i>, 13(15), 19 March 2021, pp 7348-7354, doi: <a href="https://doi.org/10.1039/d1nr00102g">https://doi.org/10.1039/d1nr00102g</a>.</p>
JIN Jing	<p>FENG Hongru, CHENG Yixue, <u>RUAN Yuefei Phoebe</u>, <u>TSUI Mei Po Mirabelle</u>, #WANG Qi, #JIN Jing, #WU Rongben, ZHANG Haiyan, <u>LAM Kwan Sing Paul</u>, "Occurrence and spatial distribution of legacy and novel brominated flame retardants in seawater and sediment of the South China sea", <i>Environmental Pollution</i>, 271, 18 December 2020, doi: <a href="https://doi.org/10.1016/j.envpol.2020.116324">https://doi.org/10.1016/j.envpol.2020.116324</a>.</p>
KANG Tianxing	<p><u>WANG Hui</u>, #LIANG Jianli, #WU Yan, #KANG Tianxing, #SHEN Dong, TONG Zhongqiu, #YANG Rui, JIANG Yang, WU Di, LI Xinjian, <u>LEE Chun Sing</u>, "Porous BN Nanofibers Enable Long-Cycling Life Sodium Metal Batteries", <i>Small</i>, 16(34), 21 July 2020, doi: <a href="https://doi.org/10.1002/smll.202002671">https://doi.org/10.1002/smll.202002671</a>.</p> <p>#WU Yan, #ZHU Zhaohua, LI Yifan, #SHEN Dong, CHEN Lina, #KANG Tianxing, LIN Xiaohang, TONG Zhongqiu, <u>WANG Hui</u>, <u>LEE Chun Sing</u>, "Aqueous MnV<sub>2</sub>O<sub>6</sub>-Zn Battery with High Operating Voltage and Energy Density", <i>Small</i>, 17(28), 09 June 2021, doi: <a href="https://doi.org/10.1002/smll.202008182">https://doi.org/10.1002/smll.202008182</a>.</p> <p>TONG Zhongqiu, #KANG Tianxing, WU Jianming, #YANG Rui, #WU Yan, LIAN Ruqian, <u>WANG Hui</u>, TANG Yongbing, <u>LEE Chun Sing</u>, "Mechanisms of sodiation in anatase TiO<sub>2</sub> in terms of equilibrium thermodynamics and kinetics", <i>Nanoscale Advances</i>, 3(16), 25 June 2021, pp 4702-4713, doi: <a href="https://doi.org/10.1039/d1na00359c">https://doi.org/10.1039/d1na00359c</a>.</p> <p><u>WANG Hui</u>, #WU Yan, <u>LIU Shihao</u>, JIANG Yang, #SHEN Dong, #KANG Tianxing, TONG Zhongqiu, WU Di, LI Xinjian, <u>LEE Chun Sing</u>, "3D Ag@C Cloth for Stable Anode Free Sodium Metal Batteries", <i>Small Methods</i>, 5(4), 18 January 2021, doi: <a href="https://doi.org/10.1002/smt.202001050">https://doi.org/10.1002/smt.202001050</a>.</p>

## Section A: Publications of PhD Students

	#KANG Tianxing, #TAN Jihua, #LI Xiaocui, #LIANG Jianli, WANG Hui, #SHEN Dong, #WU Yan, #HUANG Zhongming, LU Yang, TONG Zhongqiu, LEE Chun Sing, "Armoring SiO <sub>x</sub> with a conformal LiF layer to boost lithium storage", <i>Journal of Materials Chemistry A</i> , 9(12), 19 February 2021, pp 7807-7816, doi: <a href="https://doi.org/10.1039/d0ta12508c">https://doi.org/10.1039/d0ta12508c</a> .
<b>KHAN Shakeel Ahmad</b>	#KHAN Shakeel Ahmad, LEE Chun Sing, "Recent progress and strategies to develop antimicrobial contact lenses and lens cases for different types of microbial keratitis", <i>Acta Biomaterialia</i> , 113, 01 July 2020, pp 101-118, doi: <a href="https://doi.org/10.1016/j.actbio.2020.06.039">https://doi.org/10.1016/j.actbio.2020.06.039</a> .
	#KHAN Shakeel Ahmad, SHAHID Sammia, HANIF Sadaf, ALMOALLIM Hesham S., ALHARBI Sulaiman Ali, SELLAMI Hanen, "Green Synthesis of Chromium Oxide Nanoparticles for Antibacterial, Antioxidant Anticancer, and Biocompatibility Activities", <i>International Journal of Molecular Sciences</i> , 22(2), 06 January 2021, doi: <a href="https://doi.org/10.3390/ijms22020502">https://doi.org/10.3390/ijms22020502</a> .
	#KHAN Shakeel Ahmad, SHAHID Sammia, AYAZ Amber, ALKAHTANI Jawaher, ELSHIKH Mohamed S., RIAZ Tauheeda, "Phytomolecules-Coated NiO Nanoparticles Synthesis Using <i>Abutilon indicum</i> Leaf Extract: Antioxidant, Antibacterial, and Anticancer Activities", <i>International Journal of Nanomedicine</i> , 16, 02 March 2021, pp 1757-1773, doi: <a href="https://doi.org/10.2147/IJN.S294012">https://doi.org/10.2147/IJN.S294012</a> .
	#KHAN Shakeel Ahmad, SHAHID Sammia, MAHMOOD Tahir, LEE Chun Sing, "Contact lenses coated with hybrid multifunctional ternary nanocoatings (Phytomolecule-coated ZnO nanoparticles:Gallic Acid:Tobramycin) for the treatment of bacterial and fungal keratitis", <i>Acta Biomaterialia</i> , 128, 15 April 2021, pp 262-276, doi: <a href="https://doi.org/10.1016/j.actbio.2021.04.014">https://doi.org/10.1016/j.actbio.2021.04.014</a> .
	RIZWAN Komal, RASHEED Tahir, #KHAN Shakeel Ahmad, BILAL Muhammad, #MAHMOOD Tahir, "Current perspective on diagnosis, epidemiological assessment, prevention strategies, and potential therapeutic interventions for severe acute respiratory infections caused by 2019 novel coronavirus (SARS-CoV-2)", <i>Human Vaccines and Immunotherapeutics</i> , 16(12), 03 September 2020, pp 3001-3010, doi: <a href="https://doi.org/10.1080/21645515.2020.1794684">https://doi.org/10.1080/21645515.2020.1794684</a> .
	JAMEEL M., #KHAN Shakeel Ahmad, AFZAL A., "ADSORPTION STUDIES OF FULLERS EARTH NANOCOMPOSITES FOR THE REMOVAL OF COPPER AND REACTIVE YELLOW 18", <i>Digest Journal of Nanomaterials and Biostructures</i> , 16(1), January 2021, pp 261-270.
	SHER Mudassar, #KHAN Shakeel Ahmad, SHAHID Sammia, JAVED Mohsin, QAMAR Muhammad Azam, CHINNATHAMBI Arunachalam, ALMOALLIM Hesham S., "Synthesis of novel ternary hybrid g-C <sub>3</sub> N <sub>4</sub> @Ag-ZnO nanocomposite with Z-scheme enhanced solar light-driven methylene blue degradation and antibacterial activities", <i>Journal of Environmental Chemical Engineering</i> , 9(4), 18 March 2021, doi: <a href="https://doi.org/10.1016/j.jece.2021.105366">https://doi.org/10.1016/j.jece.2021.105366</a> .
<b>LAO Jiayong</b>	#LAO Jiayong, LI Ting-Yu, #WU Rongben, RUAN Yuefei Phoebe, ZENG Eddy Y, WU Jiaxue, LAM Kwan Sing Paul, "Tracing human footprint and the fate of atmospheric polycyclic aromatic hydrocarbons over the Pearl River Estuary, China: Importance of particle size", <i>Science of the Total Environment</i> , 767, 02 January 2021, doi: <a href="https://doi.org/10.1016/j.scitotenv.2020.144267">https://doi.org/10.1016/j.scitotenv.2020.144267</a> .
	#CHOI Paula Jungwon, #LAO Jiayong, LAM Kwan Sing Paul, IM Sung-Ju, JANG Am, AN Kyoung Jin Alicia, "Low-pressure volume retarded osmosis for removal of per- and polyfluoroalkyl substances", <i>Water Research</i> , 194, 13 February 2021, doi: <a href="https://doi.org/10.1016/j.watres.2021.116929">https://doi.org/10.1016/j.watres.2021.116929</a> .
<b>LEE Cho Cheung</b>	#LEE Cho Cheung, TSANG Wun Yu, LIU Huawei, LO Kam Wing Kenneth, "Photofunctional Cyclometalated Iridium(III) Polypyridine Complexes Bearing a Perfluorobiphenyl Moiety for Bioconjugation, Bioimaging, and Phototherapeutic Applications", <i>Inorganic Chemistry</i> , 59(20), 30 July 2020, pp 14796-14806, doi: <a href="https://doi.org/10.1021/acs.inorgchem.0c01343">https://doi.org/10.1021/acs.inorgchem.0c01343</a> .
	#XU Guangxi, #LEE Cho Cheung, #KWOK Wing Ching, #LEUNG Kam Keung, #ZHU Jinghui, LO Kam Wing Kenneth, "Utilization of Rhenium(I) Polypyridine Complexes Featuring a Dinitrophenylsulfonamide Moiety as Biothiol-Selective Phosphorogenic Bioimaging Reagents and Photocytotoxic Agents", <i>European Journal of Inorganic Chemistry</i> , 15 June 2021, doi: <a href="https://doi.org/10.1002/ejic.202100364">https://doi.org/10.1002/ejic.202100364</a> .
	#LEUNG Kam Keung, #LEE Cho Cheung, YEUNG Ho Yin, #IO Kai Wa, LO Kam Wing Kenneth, "Bioorthogonal control of the phosphorescence and singlet oxygen photosensitisation

## Section A: Publications of PhD Students

	properties of iridium(iii) tetrazine complexes", <i>Chemical Communications</i> , 57(40), 07 April 2021, pp 4914-4917, doi: <a href="https://doi.org/10.1039/d1cc00545f">https://doi.org/10.1039/d1cc00545f</a> .
	LAW Angela Sin-Yee, #LEE Cho Cheung, LO Kam Wing Kenneth, YAM Vivian Wing-Wah, "Aggregation and Supramolecular Self-Assembly of Low-Energy Red Luminescent Alkynylplatinum(II) Complexes for RNA Detection, Nucleolus Imaging, and RNA Synthesis Inhibitor Screening", <i>Journal of the American Chemical Society</i> , 143(14), 05 April 2021, pp 5396-5405, doi: <a href="https://doi.org/10.1021/jacs.0c13327">https://doi.org/10.1021/jacs.0c13327</a> .
LEE Ka Wai	#LEE Ka Wai, #WAN Yingpeng, #LI Xiaozhen, #CUI Xiao, LI Shengliang, LEE Chun Sing, "Recent Progress of Alkyl Radicals Generation-Based Agents for Biomedical Applications", <i>Advanced Healthcare Materials</i> , 10(10), 18 March 2021, doi: <a href="https://doi.org/10.1002/adhm.202100055">https://doi.org/10.1002/adhm.202100055</a> .
LEUNG Hoi Man	#LEUNG Hoi Man, #LAU Cia Hin, HO Jonathan Weng-Thim, CHAN Miu Shan, #CHANG Tristan Jun Han, #LAW Lok Hin, #WANG Fei, #TAM Dick Yan, #LIU Ling Sum, CHAN Wai Yan Kannie, TIN Chung, LO Pik Kwan Peggy, "Targeted brain tumor imaging by using discrete biopolymer-coated nanodiamonds across the blood-brain barrier", <i>Nanoscale</i> , 13(5), 02 January 2021, pp 3184-3193, doi: <a href="https://doi.org/10.1039/d0nr06765b">https://doi.org/10.1039/d0nr06765b</a> .
LEUNG Kam Keung	#XU Guangxi, #LEE Cho Cheung, #KWOK Wing Ching, #LEUNG Kam Keung, #ZHU Jinghui, LO Kam Wing Kenneth, "Utilization of Rhenium(I) Polypyridine Complexes Featuring a Dinitrophenylsulfonamide Moiety as Biothiol-Selective Phosphorogenic Bioimaging Reagents and Photocytotoxic Agents", <i>European Journal of Inorganic Chemistry</i> , 15 June 2021, doi: <a href="https://doi.org/10.1002/ejic.202100364">https://doi.org/10.1002/ejic.202100364</a> .
	#LEUNG Kam Keung, #LEE Cho Cheung, YEUNG Ho Yin, #IO Kai Wa, LO Kam Wing Kenneth, "Bioorthogonal control of the phosphorescence and singlet oxygen photosensitisation properties of iridium(iii) tetrazine complexes", <i>Chemical Communications</i> , 57(40), 07 April 2021, pp 4914-4917, doi: <a href="https://doi.org/10.1039/d1cc00545f">https://doi.org/10.1039/d1cc00545f</a> .
LI Cai	#DENG Zhiqin, #LI Cai, #CHEN Shu, #ZHOU Qiyuan, XU Zoufeng, WANG Zhigang, #YAO Houzong, HIRAO Hajime, ZHU Guangyu, "An intramolecular photoswitch can significantly promote photoactivation of Pt(iv) prodrugs", <i>Chemical Science</i> , 12(19), 01 April 2021, pp 6536-6542, doi: <a href="https://doi.org/10.1039/D0SC06839J">https://doi.org/10.1039/D0SC06839J</a> .
LI Huangxu	#LI Huangxu, ZHANG Wei, HAN Zexun, SUN Kena, GAO Chunhui, #CHENG Ke, #LIU Zhiyang, #CHEN Qingxin, #ZHANG Jie, LAI Yanqing, ZHANG Zhian, SUN Hongyan, "Pseudocapacitance enhanced by N-defects in Na <sub>3</sub> MnTi(PO <sub>4</sub> ) <sub>3</sub> /N-doped carbon composite for symmetric full sodium-ion batteries", <i>Materials Today Energy</i> , 21, 14 April 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100754">https://doi.org/10.1016/j.mtener.2021.100754</a> .
	#LU Shiyao, #LIANG Jinzhe, #LONG Huiwu, #LI Huangxu, #ZHOU Xichen, #HE Zhen, CHEN Ye, SUN Hongyan, FAN Zhanxi, ZHANG Hua, "Crystal Phase Control of Gold Nanomaterials by Wet-Chemical Synthesis", <i>Accounts of Chemical Research</i> , 53(10), 24 September 2020, pp 2106-2118, doi: <a href="https://doi.org/10.1021/acs.accounts.0c00487">https://doi.org/10.1021/acs.accounts.0c00487</a> .
	#YANG Liu, #GAN Shenglong, GUO Qiang, ZHANG Huatang, #CHEN Qingxin, #LI Huangxu, SHI Jiahai, SUN Hongyan, "Stimuli-controlled peptide self-assembly with secondary structure transitions and its application in drug release", <i>Materials Chemistry Frontiers</i> , 5(12), 28 April 2021, pp 4664-4671, doi: <a href="https://doi.org/10.1039/d1qm00430a">https://doi.org/10.1039/d1qm00430a</a> .
	XIE Yangyang, HU Junxian, ZHANG Liuyun, WANG Aonan, ZHENG Jingqiang, #LI Huangxu, LAI Yanqing, ZHANG Zhian, "Stabilizing Na metal anode with NaF interface on spent cathode carbon from aluminum electrolysis", <i>Chemical Communications</i> , 57(61), 30 June 2021, pp 7561-7564, doi: <a href="https://doi.org/10.1039/d1cc02654b">https://doi.org/10.1039/d1cc02654b</a> .
	XIE Yangyang, HAN Zexun, #LI Huangxu, HU Junxian, ZHANG Liuyun, WANG Aonan, CHANG Shilei, XU Jingyu, LIU Congyin, LAI Yanqing, ZHANG Zhian, "Uniform nucleation of sodium/lithium in holey carbon nanosheet for stable Na/Li metal anodes", <i>Chemical Engineering Journal</i> , 427, 24 June 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.130959">https://doi.org/10.1016/j.cej.2021.130959</a> .
	#LI Huangxu, ZHANG Wei, SUN Kena, GUO Jun, YUAN Kuo, FU Jiaju, ZHANG Tao, ZHANG Xiankun, #LONG Huiwu, ZHANG Zhian, LAI Yanqing, SUN Hongyan, "Manganese-Based Materials for Rechargeable Batteries beyond Lithium-Ion", <i>Advanced Energy Materials</i> , 11(25), 24 May 2021, doi: <a href="https://doi.org/10.1002/aenm.202100867">https://doi.org/10.1002/aenm.202100867</a> .
	XU Ming, LI Tianwei, FEI Linfeng, #LI Huangxu, GUO Xuyun, HOU Peiyu, YING Yiran, ZHU Wenlei, ZHOU Yang, LIN Yue, ZHANG Zhian, LAI Yanqing, ZHU Ye, ZHANG Haiyan, HUANG

## Section A: Publications of PhD Students

	<p>Haitao, "Thermodynamically Metal Atom Trapping in Van der Waals Layers Enabling Multifunctional 3D Carbon Network", <i>Advanced Functional Materials</i>, 30(42), 18 August 2020, doi: <a href="https://doi.org/10.1002/adfm.202002626">https://doi.org/10.1002/adfm.202002626</a>.</p> <p>#MA Yangbo, #WANG Juan, #YU Jinli, #ZHOU Jingwen, #ZHOU Xichen, #LI Huangxu, #HE Zhen, #LONG Huiwu, #WANG Yunhao, #LU Pengyi, #YIN Jinwen, SUN Hongyan, ZHANG Zhicheng, FAN Zhanxi, "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i>, 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a>.</p> <p>GAO Chunhui, LI Jie, SUN Kena, #LI Huangxu, HONG Bo, BAI Maohui, ZHANG Kai, ZHANG Zhian, LAI Yanqing, "Controllable lithium deposition behavior hollow of N, O co-doped carbon nanospheres for practical lithium metal batteries", <i>Chemical Engineering Journal</i>, 412, 30 January 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.128721">https://doi.org/10.1016/j.cej.2021.128721</a>.</p>
LI Jing	<p>#WANG Qi, RUAN Yuefei Phoebe, JIN Linjie, #LI Jing, HE Yuhe, LAM James C.W., LAM Kwan Sing Paul, ZHANG Xiaohua, WEI Si, "Target, Nontarget, and Suspect Screening and Temporal Trends of Per- And Polyfluoroalkyl Substances in Marine Mammals from the South China Sea", <i>Environmental Science and Technology</i>, 55(2), 04 January 2021, pp 1045-1056, doi: <a href="https://doi.org/10.1021/acs.est.0c06685">https://doi.org/10.1021/acs.est.0c06685</a>.</p> <p>#LI Jing, RUAN Yuefei Phoebe, MAK Yim Ling, ZHANG Xiaohua, LAM James C.W., LEUNG Mei Yee Kenneth, LAM Kwan Sing Paul, "Occurrence and Trophodynamics of Marine Lipophilic Phycotoxins in a Subtropical Marine Food Web", <i>Environmental Science and Technology</i>, 55(13), 18 June 2021, pp 8829-8838, doi: <a href="https://doi.org/10.1021/acs.est.1c01812">https://doi.org/10.1021/acs.est.1c01812</a>.</p>
LI Xiaozhen	<p>#TIAN Shuang, #HUANG Zhongming, #TAN Jihua, #CUI Xiao, #XIAO Yafang, #WAN Yingpeng, #LI Xiaozhen, #ZHAO Qi, LI Shengliang, LEE Chun Sing, "Manipulating Interfacial Charge-Transfer Absorption of Cocystal Absorber for Efficient Solar Seawater Desalination and Water Purification", <i>ACS Energy Letters</i>, 5(8), 28 July 2020, pp 2698-2705, doi: <a href="https://doi.org/10.1021/acsenerylett.0c01466">https://doi.org/10.1021/acsenerylett.0c01466</a>.</p> <p>#WEN Guohua, #LI Xiaozhen, #ZHANG Yachao, #HAN Xiongqi, XU Xiayi, #LIU Chao, CHAN Wai Yan Kannie, LEE Chun Sing, YIN Chao, BIAN Liming, WANG Lidai, "Effective Phototheranostics of Brain Tumor Assisted by Near-Infrared-II Light-Responsive Semiconducting Polymer Nanoparticles", <i>ACS applied materials &amp; interfaces</i>, 12(30), 06 July 2020, pp 33492-33499, doi: <a href="https://doi.org/10.1021/acsmi.0c08562">https://doi.org/10.1021/acsmi.0c08562</a>.</p> <p>#LEE Ka Wai, #WAN Yingpeng, #LI Xiaozhen, #CUI Xiao, LI Shengliang, LEE Chun Sing, "Recent Progress of Alkyl Radicals Generation-Based Agents for Biomedical Applications", <i>Advanced Healthcare Materials</i>, 10(10), 18 March 2021, doi: <a href="https://doi.org/10.1002/adhm.202100055">https://doi.org/10.1002/adhm.202100055</a>.</p> <p>#CHEN Jiangbo, #ZHANG Yachao, #LI Xiaozhen, #ZHU Jingyi, LI Dengfeng, LI Shengliang, LEE Chun Sing, WANG Lidai, "Confocal visible/NIR photoacoustic microscopy of tumors with structural, functional, and nanoprobe contrasts", <i>Photonics Research</i>, 8(12), 19 November 2020, pp 1875-1880, doi: <a href="https://doi.org/10.1364/PRJ.409378">https://doi.org/10.1364/PRJ.409378</a>.</p> <p>#ZHAO Qi, #HUANG Zhongming, #TIAN Shuang, #CUI Xiao, #WAN Yingpeng, #LI Xiaozhen, #XIAO Yafang, LI Shengliang, LEE Chun Sing, "Superwetting B<sub>4</sub>C bilayer foam for high cost-performance solar water purification", <i>Materials Today Energy</i>, 18, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100498">https://doi.org/10.1016/j.mtener.2020.100498</a>.</p> <p>#WAN Yingpeng, LU Guihong, WEI Wei-Chih, HUANG Yi-Hsuan, LI Shengliang, CHEN Jiaxiong, #CUI Xiao, #XIAO Yafang, #LI Xiaozhen, LIU Yanhong, MENG Xiangmin, WANG Pengfei, XIE Hai-Yan, ZHANG Jinfeng, WONG Ken-Tsung, LEE Chun Sing, "Stable Organic Photosensitizer Nanoparticles with Absorption Peak beyond 800 Nanometers and High Reactive Oxygen Species Yield for Multimodality Phototheranostics", <i>ACS Nano</i>, 14(8), 24 July 2020, pp 9917-9928, doi: <a href="https://doi.org/10.1021/acsnano.0c02767">https://doi.org/10.1021/acsnano.0c02767</a>.</p> <p>#XIAO Yafang, XIANG Chenyang, LI Shengliang, MAO Cong, CHEN Haoting, CHEN Jia-Xiong, #TIAN Shuang, #CUI Xiao, #WAN Yingpeng, #HUANG Zhongming, #LI Xiaozhen, ZHANG Xiao Hong, GUO Weisheng, LEE Chun Sing, "Single-Photomolecular Nanotheranostics for Synergetic Near-Infrared Fluorescence and Photoacoustic Imaging-Guided Highly Effective Photothermal Ablation", <i>Small</i>, 16(34), 22 July 2020, doi: <a href="https://doi.org/10.1002/smll.202002672">https://doi.org/10.1002/smll.202002672</a>.</p>



## Section A: Publications of PhD Students

	<p>#<a href="#">LI Xiaozhen</a>, #<a href="#">ZHANG Di</a>, YIN Chao, LU Guihong, #<a href="#">WAN Yingpeng</a>, #<a href="#">HUANG Zhongming</a>, #<a href="#">TAN Jihua</a>, <a href="#">Li Shengliang</a>, <a href="#">LUO Jingdong</a>, <a href="#">LEE Chun Sing</a>, "A Diradicaloid Small Molecular Nanotheranostic with Strong Near-Infrared Absorbance for Effective Cancer Photoacoustic Imaging and Photothermal Therapy", <i>ACS Applied Materials &amp; Interfaces</i>, 13(14), 31 March 2021, pp 15983-15991, doi: <a href="https://doi.org/10.1021/acsami.0c21889">https://doi.org/10.1021/acsami.0c21889</a>.</p> <p><a href="#">WANG Lei</a>, <a href="#">YANG Kun</a>, #<a href="#">LI Xiaozhen</a>, <a href="#">ZHANG Xuehui</a>, <a href="#">ZHANG Dawei</a>, <a href="#">WANG Lu-Ning</a>, <a href="#">LEE Chun Sing</a>, "A double-crosslinked self-healing antibacterial hydrogel with enhanced mechanical performance for wound treatment", <i>Acta Biomaterialia</i>, 124, 30 January 2021, pp 139-152, doi: <a href="https://doi.org/10.1016/j.actbio.2021.01.038">https://doi.org/10.1016/j.actbio.2021.01.038</a>.</p> <p>#<a href="#">LI Xiaozhen</a>, <a href="#">FANG Fang</a>, <a href="#">SUN Bo</a>, YIN Chao, #<a href="#">TAN Jihua</a>, #<a href="#">WAN Yingpeng</a>, <a href="#">ZHANG Jinfeng</a>, <a href="#">SUN Pengfei</a>, <a href="#">FAN Quli</a>, <a href="#">WANG Pengfei</a>, <a href="#">Li Shengliang</a>, <a href="#">LEE Chun Sing</a>, "Near-infrared small molecule coupled with rigidity and flexibility for high-performance multimodal imaging-guided photodynamic and photothermal synergistic therapy", <i>Nanoscale Horizons</i>, 6(2), 16 December 2020, pp 177-185, doi: <a href="https://doi.org/10.1039/d0nh00672f">https://doi.org/10.1039/d0nh00672f</a>.</p> <p><a href="#">QI Shuo</a>, #<a href="#">ZHANG Yachao</a>, #<a href="#">LIU Gongyuan</a>, #<a href="#">CHEN Jiangbo</a>, #<a href="#">LI Xiaozhen</a>, #<a href="#">ZHU Qi</a>, <a href="#">YANG Yuqi</a>, <a href="#">WANG Feng</a>, <a href="#">SHI Jiahai</a>, <a href="#">LEE Chun Sing</a>, <a href="#">ZHU Guangyu</a>, <a href="#">LAI Puxiang</a>, <a href="#">WANG Lidai</a>, <a href="#">FANG Chihua</a>, "Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma", <i>Acta Biomaterialia</i>, 129, 31 May 2021, pp 245-257, doi: <a href="https://doi.org/10.1016/j.actbio.2021.05.034">https://doi.org/10.1016/j.actbio.2021.05.034</a>.</p> <p><a href="#">Li Shengliang</a>, <a href="#">DENG Qingyuan</a>, #<a href="#">ZHANG Yachao</a>, #<a href="#">LI Xiaozhen</a>, #<a href="#">WEN Guohua</a>, #<a href="#">CUI Xiao</a>, #<a href="#">WAN Yingpeng</a>, <a href="#">HUANG Yongwei</a>, <a href="#">CHEN Jiexiong</a>, <a href="#">LIU Zhonghua</a>, <a href="#">WANG Lidai</a>, <a href="#">LEE Chun Sing</a>, "Rational Design of Conjugated Small Molecules for Superior Photothermal Theranostics in the NIR-II Biowindow", <i>Advanced Materials</i>, 32(33), 06 July 2020, doi: <a href="https://doi.org/10.1002/adma.202001146">https://doi.org/10.1002/adma.202001146</a>.</p> <p>YIN Chao, #<a href="#">LI Xiaozhen</a>, <a href="#">WANG Yi</a>, <a href="#">LIANG Yuying</a>, <a href="#">ZHOU Shan</a>, <a href="#">ZHAO Pengchao</a>, <a href="#">LEE Chun Sing</a>, <a href="#">FAN Quli</a>, <a href="#">HUANG Wei</a>, "Organic Semiconducting Macromolecular Dyes for NIR-II Photoacoustic Imaging and Photothermal Therapy", <i>Advanced Functional Materials</i>, 26 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202104650">https://doi.org/10.1002/adfm.202104650</a>.</p> <p>#<a href="#">TIAN Shuang</a>, <a href="#">BAI Haotian</a>, <a href="#">Li Shengliang</a>, #<a href="#">XIAO Yafang</a>, #<a href="#">CUI Xiao</a>, #<a href="#">LI Xiaozhen</a>, #<a href="#">TAN Jihua</a>, #<a href="#">HUANG Zhongming</a>, #<a href="#">SHEN Dong</a>, <a href="#">LIU Weimin</a>, <a href="#">WANG Pengfei</a>, <a href="#">TANG Ben Zhong</a>, <a href="#">LEE Chun Sing</a>, "Water-Soluble Organic Nanoparticles with Programmable Intermolecular Charge Transfer for NIR-II Photothermal Anti-Bacterial Therapy", <i>Angewandte Chemie (International Edition)</i>, 60(21), 16 March 2021, pp 11758-11762, doi: <a href="https://doi.org/10.1002/anie.202101406">https://doi.org/10.1002/anie.202101406</a>.</p>
<b>LI Xintong</b>	<p>#<a href="#">LIU Yizhe</a>, #<a href="#">WU Xin</a>, <a href="#">GUO X.</a>, <a href="#">LEE Ka Chun</a>, #<a href="#">SUN Qidi</a>, #<a href="#">LI Xintong</a>, <a href="#">ZHANG C.</a>, <a href="#">WANG Z.</a>, <a href="#">HU J.</a>, <a href="#">ZHU Y.</a>, <a href="#">LEUNG Kwok Hi Michael</a>, <a href="#">ZHU Zonglong</a>, "Modulated FeCo nanoparticle in situ growth on the carbon matrix for high-performance oxygen catalysts", <i>Materials Today Energy</i>, 19, 06 December 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100610">https://doi.org/10.1016/j.mtener.2020.100610</a>.</p> <p>#<a href="#">LI Xintong</a>, <a href="#">WANG Jun</a>, <a href="#">DUAN Xiaoguang</a>, <a href="#">LI Yang</a>, <a href="#">FAN Xiaobin</a>, <a href="#">ZHANG Guoliang</a>, <a href="#">ZHANG Fengbao</a>, <a href="#">PENG Wenchao</a>, "Fine-Tuning Radical/Nonradical Pathways on Graphene by Porous Engineering and Doping Strategies", <i>ACS Catalysis</i>, 11(8), 06 April 2021, pp 4848-4861, doi: <a href="https://doi.org/10.1021/acscatal.0c05089">https://doi.org/10.1021/acscatal.0c05089</a>.</p>
<b>LI Zhen</b>	<p>#<a href="#">WU Shengfan</a>, #<a href="#">LI Zhen</a>, <a href="#">LI Muqing</a>, #<a href="#">DIAO Yingxue</a>, <a href="#">LIN Francis</a>, #<a href="#">LIU Tiantian</a>, <a href="#">ZHANG Jie</a>, <a href="#">TIEU Peter</a>, <a href="#">GAO Wenpei</a>, #<a href="#">QI Feng</a>, <a href="#">PAN Xiaoqing</a>, <a href="#">XU Zhengtao</a>, <a href="#">ZHU Zonglong</a>, <a href="#">JEN Alex</a>, "2D metal-organic framework for stable perovskite solar cells with minimized lead leakage", <i>Nature Nanotechnology</i>, 15(11), 21 September 2020, pp 934-940, doi: <a href="https://doi.org/10.1038/s41565-020-0765-7">https://doi.org/10.1038/s41565-020-0765-7</a>.</p> <p>#<a href="#">LI Zhen</a>, <a href="#">ZHANG Jie</a>, #<a href="#">WU Shengfan</a>, #<a href="#">DENG Xiang</a>, #<a href="#">LI Fengzhu</a>, <a href="#">LIU Danjun</a>, <a href="#">LEE Chia-Chen</a>, <a href="#">LIN Francis</a>, <a href="#">LEI Dangyuan</a>, <a href="#">CHUEH Chu-Chen</a>, <a href="#">ZHU Zonglong</a>, <a href="#">JEN Alex</a>, "Minimized surface deficiency on wide-bandgap perovskite for efficient indoor photovoltaics", <i>Nano Energy</i>, 78, 13 September 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105377">https://doi.org/10.1016/j.nanoen.2020.105377</a>.</p> <p><a href="#">SUN Xianglang</a>, #<a href="#">LI Zhen</a>, <a href="#">YU Xinyu</a>, #<a href="#">WU Xin</a>, <a href="#">ZHONG Cheng</a>, <a href="#">LIU Danjun</a>, <a href="#">LEI Dangyuan</a>, <a href="#">JEN Alex</a>, <a href="#">LI Zhong'An</a>, <a href="#">ZHU Zonglong</a>, "Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridine-Based Dopant-Free Polymer Semiconductor", <i>Angewandte</i></p>

## Section A: Publications of PhD Students

	<p><i>Chemie - International Edition</i>, 60(13), 28 December 2020, pp 7227-7233, doi: <a href="https://doi.org/10.1002/anie.202016085">https://doi.org/10.1002/anie.202016085</a>.</p> <p>#<a href="#">LI Fengzhu</a>, #<a href="#">DENG Xiang</a>, #<a href="#">QI Feng</a>, #<a href="#">LI Zhen</a>, <a href="#">LIU Danjun</a>, #<a href="#">SHEN Dong</a>, <a href="#">QIN Minchao</a>, #<a href="#">WU Shengfan</a>, <a href="#">LIN Francis</a>, <a href="#">JANG Sei-Hum</a>, <a href="#">ZHANG Jie</a>, <a href="#">LU Xinhui</a>, <a href="#">LEI Dangyuan</a>, <a href="#">LEE Chun Sing</a>, <a href="#">ZHU Zonglong</a>, <a href="#">JEN Alex</a>, "Regulating Surface Termination for Efficient Inverted Perovskite Solar Cells with Greater Than 23% Efficiency", <i>Journal of the American Chemical Society</i>, 142(47), 16 November 2020, pp 20134–20142, doi: <a href="https://doi.org/10.1021/jacs.0c09845">https://doi.org/10.1021/jacs.0c09845</a>.</p> <p><a href="#">YU Xinyu</a>, #<a href="#">LI Zhen</a>, <a href="#">SUN Xianglang</a>, <a href="#">ZHONG Cheng</a>, <a href="#">ZHU Zonglong</a>, <a href="#">LI Zhong'An</a>, <a href="#">JEN Alex</a>, "Dopant-free dicyanofluoranthene-based hole transporting material with low cost enables efficient flexible perovskite solar cells", <i>Nano Energy</i>, 82, 16 December 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105701">https://doi.org/10.1016/j.nanoen.2020.105701</a>.</p> <p><a href="#">JIANG Kui</a>, <a href="#">ZHANG Jie</a>, <a href="#">PENG Zhengxing</a>, <a href="#">LIN Francis</a>, #<a href="#">WU Shengfan</a>, #<a href="#">LI Zhen</a>, <a href="#">CHEN Yuzhong</a>, <a href="#">YAN He</a>, <a href="#">ADE Harald</a>, <a href="#">ZHU Zonglong</a>, <a href="#">JEN Alex</a>, "Pseudo-bilayer architecture enables high-performance organic solar cells with enhanced exciton diffusion length", <i>Nature Communications</i>, 12, 20 January 2021, doi: <a href="https://doi.org/10.1038/s41467-020-20791-z">https://doi.org/10.1038/s41467-020-20791-z</a>.</p>
<b>LI Zijian</b>	<p><a href="#">ZHOU Shizheng</a>, <a href="#">JANG Haeseong</a>, <a href="#">QIN Qing</a>, #<a href="#">LI Zijian</a>, <a href="#">KIM Min Gyu</a>, <a href="#">LI Chuang</a>, <a href="#">LIU Xien</a>, <a href="#">CHO Jaephil</a>, "Three-dimensional hierarchical Co(OH)F nanosheet arrays decorated by single-atom Ru for boosting oxygen evolution reaction", <i>Science China Materials</i>, 64(6), 28 December 2020, pp 1408-1417, doi: <a href="https://doi.org/10.1007/s40843-020-1536-6">https://doi.org/10.1007/s40843-020-1536-6</a>.</p> <p>#<a href="#">LI Zijian</a>, <a href="#">JANG Haeseong</a>, <a href="#">QIN Danni</a>, <a href="#">JIANG Xiaoli</a>, <a href="#">JI Xuqiang</a>, <a href="#">KIM Min Gyu</a>, <a href="#">ZHANG Lijie</a>, <a href="#">LIU Xien</a>, <a href="#">CHO Jaephil</a>, "Alloy-strain-output induced lattice dislocation in Ni<sub>3</sub>FeN/Ni<sub>3</sub>Fe ultrathin nanosheets for highly efficient overall water splitting", <i>Journal of Materials Chemistry A</i>, 9(7), 31 December 2020, pp 4036-4043, doi: <a href="https://doi.org/10.1039/d0ta11618a">https://doi.org/10.1039/d0ta11618a</a>.</p> <p><a href="#">ZHANG Lijie</a>, <a href="#">JANG Haeseong</a>, #<a href="#">LI Zijian</a>, <a href="#">LIU Huihui</a>, <a href="#">KIM Min Gyu</a>, <a href="#">LIU Xien</a>, <a href="#">CHO Jaephil</a>, "SrIrO<sub>3</sub> modified with laminar Sr<sub>2</sub>IrO<sub>4</sub> as a robust bifunctional electrocatalyst for overall water splitting in acidic media", <i>Chemical Engineering Journal</i>, 419, 06 April 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.129604">https://doi.org/10.1016/j.cej.2021.129604</a>.</p> <p>#<a href="#">ZHAI Li</a>, #<a href="#">LI Zijian</a>, <a href="#">ZHANG Hua</a>, "Enriching the library of axial superlattice nanowires", <i>Science China Materials</i>, 09 June 2021, doi: <a href="https://doi.org/10.1007/s40843-021-1716-x">https://doi.org/10.1007/s40843-021-1716-x</a>.</p> <p><a href="#">ZHOU Shizheng</a>, <a href="#">JANG Haeseong</a>, <a href="#">QIN Qing</a>, #<a href="#">LI Zijian</a>, <a href="#">GYU KIM Min</a>, <a href="#">JI Xuqiang</a>, <a href="#">LIU Xien</a>, <a href="#">CHO Jaephil</a>, "Ru atom-modified Co<sub>4</sub>N-CoF<sub>2</sub> heterojunction catalyst for high-performance alkaline hydrogen evolution", <i>Chemical Engineering Journal</i>, 414, 11 February 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.128865">https://doi.org/10.1016/j.cej.2021.128865</a>.</p>
<b>LIANG Jianli</b>	<p>#<a href="#">CAO Chen</a>, <a href="#">YANG G. X.</a>, #<a href="#">TAN Jihua</a>, #<a href="#">SHEN Dong</a>, <a href="#">CHEN Wencheng</a>, <a href="#">CHEN Jiexiong</a>, #<a href="#">LIANG Jianli</a>, #<a href="#">ZHU Zelin</a>, <a href="#">LIU Shihao</a>, <a href="#">TONG Qingxiao</a>, <a href="#">LEE Chun Sing</a>, "Deep-blue high-efficiency triplet-triplet annihilation organic light-emitting diodes using donor- and acceptor-modified anthracene fluorescent emitters", <i>Materials Today Energy</i>, 21, 24 March 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100727">https://doi.org/10.1016/j.mtener.2021.100727</a>.</p> <p><a href="#">WANG Hui</a>, #<a href="#">LIANG Jianli</a>, #<a href="#">WU Yan</a>, #<a href="#">KANG Tianxing</a>, #<a href="#">SHEN Dong</a>, <a href="#">TONG Zhongqiu</a>, #<a href="#">YANG Rui</a>, <a href="#">JIANG Yang</a>, <a href="#">WU Di</a>, <a href="#">LI Xinjian</a>, <a href="#">LEE Chun Sing</a>, "Porous BN Nanofibers Enable Long-Cycling Life Sodium Metal Batteries", <i>Small</i>, 16(34), 21 July 2020, doi: <a href="https://doi.org/10.1002/smll.202002671">https://doi.org/10.1002/smll.202002671</a>.</p> <p>#<a href="#">LIANG Jianli</a>, <a href="#">JIANG Zhifeng</a>, <a href="#">WONG Po Keung</a>, <a href="#">LEE Chun Sing</a>, "Recent Progress on Carbon Nitride and Its Hybrid Photocatalysts for CO<sub>2</sub> Reduction", <i>Solar RRL</i>, 5(2), 15 October 2020, doi: <a href="https://doi.org/10.1002/solr.202000478">https://doi.org/10.1002/solr.202000478</a>.</p> <p>#<a href="#">KANG Tianxing</a>, #<a href="#">TAN Jihua</a>, #<a href="#">LI Xiaocui</a>, #<a href="#">LIANG Jianli</a>, <a href="#">WANG Hui</a>, #<a href="#">SHEN Dong</a>, #<a href="#">WU Yan</a>, #<a href="#">HUANG Zhongming</a>, <a href="#">LU Yang</a>, <a href="#">TONG Zhongqiu</a>, <a href="#">LEE Chun Sing</a>, "Armoring SiO<sub>x</sub> with a conformal LiF layer to boost lithium storage", <i>Journal of Materials Chemistry A</i>, 9(12), 19 February 2021, pp 7807-7816, doi: <a href="https://doi.org/10.1039/d0ta12508c">https://doi.org/10.1039/d0ta12508c</a>.</p>
<b>LIANG Jinzhe</b>	<p>#<a href="#">LU Shiyao</a>, #<a href="#">LIANG Jinzhe</a>, #<a href="#">LONG Huiwu</a>, #<a href="#">LI Huangxu</a>, #<a href="#">ZHOU Xichen</a>, #<a href="#">HE Zhen</a>, <a href="#">CHEN Ye</a>, <a href="#">SUN Hongyan</a>, <a href="#">FAN Zhanxi</a>, <a href="#">ZHANG Hua</a>, "Crystal Phase Control of Gold Nanomaterials by Wet-Chemical Synthesis", <i>Accounts of Chemical Research</i>, 53(10), 24 September 2020, pp 2106–2118, doi: <a href="https://doi.org/10.1021/acs.accounts.0c00487">https://doi.org/10.1021/acs.accounts.0c00487</a>.</p>
<b>LIN Huiju</b>	<p>#<a href="#">WU Rongben</a>, #<a href="#">LIN Huiju</a>, <a href="#">YAMAZAKI Eriko</a>, <a href="#">TANIYASU Sachi</a>, <a href="#">SÖRENGÅRD Mattias</a>, <a href="#">AHRENS Lutz</a>, <a href="#">LAM Kwan Sing Paul</a>, <a href="#">EUN Heesoo</a>, <a href="#">YAMASHITA Nobuyoshi</a>, "Simultaneous analysis of</p>

## Section A: Publications of PhD Students

	<p>neutral and ionizable per- and polyfluoroalkyl substances in air", <i>Chemosphere</i>, 280, 28 April 2021, doi: <a href="https://doi.org/10.1016/j.chemosphere.2021.130607">https://doi.org/10.1016/j.chemosphere.2021.130607</a>.</p> <p>#<a href="#">WU Rongben</a>, <a href="#">RUAN Yuefei</a> Phoebe, #<a href="#">LIN Huiju</a>, #<a href="#">YUEN Nim Tung</a> Calista, <a href="#">FENG Hongru</a>, <a href="#">LAM Kwan Sing</a> Paul, "Occurrence and Fate of Psychiatric Pharmaceuticals in Wastewater Treatment Plants in Hong Kong: Enantiomeric Profiling and Preliminary Risk Assessment", <i>ACS ES&amp;T WATER</i>, 1(3), 17 December 2020, pp 542-552, doi: <a href="https://doi.org/10.1021/acsestwater.0c00081">https://doi.org/10.1021/acsestwater.0c00081</a>.</p> <p>#<a href="#">LIN Huiju</a>, <a href="#">TANIYASU Sachi</a>, <a href="#">YAMAZAKI Eriko</a>, <a href="#">WEI Si</a>, <a href="#">WANG Xinhong</a>, <a href="#">GAI Nan</a>, <a href="#">KIM Jin Hyo</a>, <a href="#">EUN Heesoo</a>, <a href="#">LAM Kwan Sing</a> Paul, <a href="#">YAMASHITA Nobuyoshi</a>, "Per- and Polyfluoroalkyl Substances in the Air Particles of Asia: Levels, Seasonality, and Size-Dependent Distribution", <i>Environmental Science &amp; Technology</i>, 54(22), 06 November 2020, pp 14182-14191, doi: <a href="https://doi.org/10.1021/acs.est.0c03387">https://doi.org/10.1021/acs.est.0c03387</a>.</p>
<b>LIU Gongyuan</b>	<p><a href="#">JIA Jia</a>, #<a href="#">LIU Gongyuan</a>, <a href="#">XU Wenjia</a>, <a href="#">TIAN Xiaoli</a>, <a href="#">LI Shuaibin</a>, <a href="#">HAN Fei</a>, <a href="#">FENG Yuhua</a>, <a href="#">DONG Xiaochen</a>, <a href="#">CHEN Hongyu</a>, "Fine-tuning the Homometallic Interface of Au-on-Au Nanorods and their Photothermal Therapy in the NIR-II Window", <i>Angewandte Chemie (International Edition)</i>, 59(34), 17 August 2020, pp 14443-14448, doi: <a href="https://doi.org/10.1002/anie.202000474">https://doi.org/10.1002/anie.202000474</a>.</p> <p><a href="#">QI Shuo</a>, #<a href="#">ZHANG Yachao</a>, #<a href="#">LIU Gongyuan</a>, #<a href="#">CHEN Jiangbo</a>, #<a href="#">LI Xiaozhen</a>, #<a href="#">ZHU Qi</a>, <a href="#">YANG Yuqi</a>, <a href="#">WANG Feng</a>, <a href="#">SHI Jiahai</a>, <a href="#">LEE Chun Sing</a>, <a href="#">ZHU Guangyu</a>, <a href="#">LAI Puxiang</a>, <a href="#">WANG Lidai</a>, <a href="#">FANG Chihua</a>, "Plasmonic-doped melanin-mimic for CXCR4-targeted NIR-II photoacoustic computed tomography-guided photothermal ablation of orthotopic hepatocellular carcinoma", <i>Acta Biomaterialia</i>, 129, 31 May 2021, pp 245-257, doi: <a href="https://doi.org/10.1016/j.actbio.2021.05.034">https://doi.org/10.1016/j.actbio.2021.05.034</a>.</p> <p><a href="#">WEI Zheng</a>, <a href="#">ZOU Huihui</a>, #<a href="#">LIU Gongyuan</a>, <a href="#">SONG Chuanhui</a>, <a href="#">TANG Chuanchao</a>, <a href="#">CHEN Sheng</a>, <a href="#">ZHANG Guorong</a>, <a href="#">RAN Jianchuan</a>, <a href="#">WANG Yufeng</a>, <a href="#">YIN Xiteng</a>, <a href="#">CAI Yu</a>, <a href="#">HAN Wei</a>, "Peroxidase-mimicking evodiamine/indocyanine green nanoliposomes for multimodal imaging-guided theranostics for oral squamous cell carcinoma", <i>Bioactive Materials</i>, 6(7), 13 January 2021, pp 2144-2157, doi: <a href="https://doi.org/10.1016/j.bioactmat.2020.12.016">https://doi.org/10.1016/j.bioactmat.2020.12.016</a>.</p>
<b>LIU Haijun</b>	<p>#<a href="#">THI Quoc Huy</a>, <a href="#">WONG Lok Wing</a>, #<a href="#">LIU Haijun</a>, <a href="#">LEE Chun Sing</a>, <a href="#">ZHAO Jiong</a>, <a href="#">LY Thuc Hue</a>, "Spontaneously Ordered Hierarchical Two-Dimensional Wrinkle Patterns in Two-Dimensional Materials", <i>Nano Letters</i>, 20(11), 26 October 2020, pp 8420-8425, doi: <a href="https://doi.org/10.1021/acs.nanolett.0c03819">https://doi.org/10.1021/acs.nanolett.0c03819</a>.</p> <p>#<a href="#">HUANG Lingli</a>, <a href="#">YANG Tiefeng</a>, <a href="#">WONG Lok Wing</a>, <a href="#">ZHENG Fangyuan</a>, #<a href="#">CHEN Xin</a>, <a href="#">LAI Ka Hei</a>, #<a href="#">LIU Haijun</a>, #<a href="#">THI Quoc Huy</a>, #<a href="#">SHEN Dong</a>, <a href="#">LEE Chun Sing</a>, <a href="#">DENG Qingming</a>, <a href="#">ZHAO Jiong</a>, <a href="#">LY Thuc Hue</a>, "Redox Photochemistry on Van Der Waals Surfaces for Reversible Doping in 2D Materials", <i>Advanced Functional Materials</i>, 31(16), 17 February 2021, doi: <a href="https://doi.org/10.1002/adfm.202009166">https://doi.org/10.1002/adfm.202009166</a>.</p> <p>#<a href="#">HUANG Lingli</a>, <a href="#">ZHENG Fangyuan</a>, <a href="#">CHEN Honglin</a>, #<a href="#">THI Quoc Huy</a>, <a href="#">CHEN Xin</a>, #<a href="#">LIU Haijun</a>, <a href="#">LEE Chun Sing</a>, <a href="#">DENG Qingming</a>, <a href="#">ZHAO Jiong</a>, <a href="#">LY Thuc Hue</a>, "Mechanical origin of martensite-like structures in two-dimensional ReS<sub>2</sub>", <i>Communications Materials</i>, 2, 2021, doi: <a href="https://doi.org/10.1038/s43246-021-00190-7">https://doi.org/10.1038/s43246-021-00190-7</a>.</p>
<b>LIU Ling Sum</b>	<p>#<a href="#">LIU Ling Sum</a>, #<a href="#">WANG Fei</a>, #<a href="#">GE Yonghe</a>, <a href="#">LO Pik Kwan</a> Peggy, "Recent Developments in Aptasensors for Diagnostic Applications", <i>ACS Applied Materials and Interfaces</i>, 13(8), 06 November 2020, pp 9329-9358, doi: <a href="https://doi.org/10.1021/acsami.0c14788">https://doi.org/10.1021/acsami.0c14788</a>.</p> <p>#<a href="#">LEUNG Hoi Man</a>, #<a href="#">LAU Cia Hin</a>, <a href="#">HO Jonathan</a> Weng-Thim, <a href="#">CHAN Miu Shan</a>, #<a href="#">CHANG Tristan</a> Jun Han, #<a href="#">LAW Lok Hin</a>, #<a href="#">WANG Fei</a>, #<a href="#">TAM Dick</a> Yan, #<a href="#">LIU Ling Sum</a>, <a href="#">CHAN Wai Yan</a> Kannie, <a href="#">TIN Chung</a>, <a href="#">LO Pik Kwan</a> Peggy, "Targeted brain tumor imaging by using discrete biopolymer-coated nanodiamonds across the blood-brain barrier", <i>Nanoscale</i>, 13(5), 02 January 2021, pp 3184-3193, doi: <a href="https://doi.org/10.1039/d0nr06765b">https://doi.org/10.1039/d0nr06765b</a>.</p>
<b>LIU Ruoyang</b>	<p><a href="#">XIAO Yelan</a>, #<a href="#">CHUN Yuen</a> Kiu, <a href="#">CHENG Shun</a> Cheung, <a href="#">NG Chi</a> On, <a href="#">TSE Man</a> Kit, <a href="#">LEI Ngai</a> Yu, #<a href="#">LIU Ruoyang</a>, <a href="#">KO Chi</a> Chiu Vincent, "Photocatalytic amidation and esterification with perfluoroalkyl iodide", <i>Catalysis Science and Technology</i>, 11(2), 06 November 2020, pp 556-562, doi: <a href="https://doi.org/10.1039/d0cy01419b">https://doi.org/10.1039/d0cy01419b</a>.</p> <p><a href="#">XIAO Yelan</a>, #<a href="#">CHUN Yuen</a> Kiu, <a href="#">CHENG Shun</a> Cheung, #<a href="#">LIU Ruoyang</a>, <a href="#">TSE Man</a> Kit, <a href="#">KO Chi</a> Chiu Vincent, "Visible light photocatalytic cross-coupling and addition reactions of arylalkynes</p>

## Section A: Publications of PhD Students

	with perfluoroalkyl iodides", <i>Organic &amp; Biomolecular Chemistry</i> , 18(42), 08 October 2020, pp 8686-8693, doi: <a href="https://doi.org/10.1039/d0ob01767a">https://doi.org/10.1039/d0ob01767a</a> .
<b>LIU Tiantian</b>	#WU Shengfan, #LI Zhen, LI Muqing, #DIAO Yingxue, LIN Francis, #LIU Tiantian, ZHANG Jie, TIEU Peter, GAO Wenpei, #QI Feng, PAN Xiaoqing, XU Zhengtao, ZHU Zonglong, JEN Alex, "2D metal-organic framework for stable perovskite solar cells with minimized lead leakage", <i>Nature Nanotechnology</i> , 15(11), 21 September 2020, pp 934-940, doi: <a href="https://doi.org/10.1038/s41565-020-0765-7">https://doi.org/10.1038/s41565-020-0765-7</a> . #LIU Tiantian, ZHANG Jie, QIN Minchao, #WU Xin, #LI Fengzhu, LU Xinhui, ZHU Zonglong, JEN Alex, "Modifying Surface Termination of CsPbI <sub>3</sub> Grain Boundaries by 2D Perovskite Layer for Efficient and Stable Photovoltaics", <i>Advanced Functional Materials</i> , 04 February 2021, doi: <a href="https://doi.org/10.1002/adfm.202009515">https://doi.org/10.1002/adfm.202009515</a> .
<b>LIU Yizhe</b>	LEI Hang, TAN Shaozao, MA Lujie, #LIU Yizhe, LIANG Yongyin, JAVED Muhammad Sufyan, WANG Zilong, ZHU Zonglong, MAI Wenjie, "Strongly Coupled NiCo <sub>2</sub> O <sub>4</sub> Nanocrystal/MXene Hybrid through In Situ Ni/Co-F Bonds for Efficient Wearable Zn-Air Batteries", <i>ACS Applied Materials &amp; Interfaces</i> , 12(40), 20 August 2020, pp 44639-44647, doi: <a href="https://doi.org/10.1021/acsami.0c11185">https://doi.org/10.1021/acsami.0c11185</a> . #LIU Yizhe, #WU Xin, GUO X., LEE Ka Chun, #SUN Qidi, #LI Xintong, ZHANG C., WANG Z., HU J., ZHU Y., LEUNG Kwok Hi Michael, ZHU Zonglong, "Modulated FeCo nanoparticle in situ growth on the carbon matrix for high-performance oxygen catalysts", <i>Materials Today Energy</i> , 19, 06 December 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100610">https://doi.org/10.1016/j.mtener.2020.100610</a> . #WANG Jing, #WU Xin, #LIU Yizhe, QIN Tian, ZHANG Kaicheng, LI Ning, ZHAO Juan, YE Ruquan, FAN Zhanxi, CHI Zhenguang, ZHU Zonglong, "Dopant-Free Hole-Transporting Material with Enhanced Intermolecular Interaction for Efficient and Stable n-i-p Perovskite Solar Cells", <i>Advanced Energy Materials</i> , 11(29), 17 June 2021, doi: <a href="https://doi.org/10.1002/aenm.202100967">https://doi.org/10.1002/aenm.202100967</a> . #WU Xin, #LIU Yizhe, #QI Feng, LIN Francis, FU Huiting, JIANG Kui, #WU Shengfan, #BI Leyu, #WANG Deng, XU Fang, JEN Alex, ZHU Zonglong, "Improved stability and efficiency of perovskite/organic tandem solar cells with an all-inorganic perovskite layer", <i>Journal of Materials Chemistry A</i> , 18 March 2021, doi: <a href="https://doi.org/10.1039/d0ta12286f">https://doi.org/10.1039/d0ta12286f</a> .
<b>LIU Zhiyang</b>	#LI Huangxu, ZHANG Wei, HAN Zexun, SUN Kena, GAO Chunhui, #CHENG Ke, #LIU Zhiyang, #CHEN Qingxin, #ZHANG Jie, LAI Yanqing, ZHANG Zhian, SUN Hongyan, "Pseudocapacitance enhanced by N-defects in Na <sub>3</sub> MnTi(PO <sub>4</sub> ) <sub>3</sub> /N-doped carbon composite for symmetric full sodium-ion batteries", <i>Materials Today Energy</i> , 21, 14 April 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100754">https://doi.org/10.1016/j.mtener.2021.100754</a> .
<b>LO Hoi Shing</b>	LU Kuo, LAI Keng Po, STOEGER Tobias, JI Shuqin, LIN Ziyi, LIN Xiao, CHAN Ting Fung, FANG James Kar-Hei, #LO Hoi Shing, GAO Liang, QIU Chen, CHEN Shanze, CHEN Guobing, LI Lei, WANG Lingwei, "Detrimental effects of microplastic exposure on normal and asthmatic pulmonary physiology", <i>Journal of Hazardous Materials</i> , 416, 11 May 2021, doi: <a href="https://doi.org/10.1016/j.jhazmat.2021.126069">https://doi.org/10.1016/j.jhazmat.2021.126069</a> .
<b>LONG Huiwu</b>	#LU Shiyao, #LIANG Jinzhe, #LONG Huiwu, #LI Huangxu, #ZHOU Xichen, #HE Zhen, CHEN Ye, SUN Hongyan, FAN Zhanxi, ZHANG Hua, "Crystal Phase Control of Gold Nanomaterials by Wet-Chemical Synthesis", <i>Accounts of Chemical Research</i> , 53(10), 24 September 2020, pp 2106-2118, doi: <a href="https://doi.org/10.1021/acs.accounts.0c00487">https://doi.org/10.1021/acs.accounts.0c00487</a> . #LI Huangxu, ZHANG Wei, SUN Kena, GUO Jun, YUAN Kuo, FU Jiaju, ZHANG Tao, ZHANG Xiankun, #LONG Huiwu, ZHANG Zhian, LAI Yanqing, SUN Hongyan, "Manganese-Based Materials for Rechargeable Batteries beyond Lithium-Ion", <i>Advanced Energy Materials</i> , 11(25), 24 May 2021, doi: <a href="https://doi.org/10.1002/aenm.202100867">https://doi.org/10.1002/aenm.202100867</a> . #MA Yangbo, #WANG Juan, #YU Jinli, #ZHOU Jingwen, #ZHOU Xichen, #LI Huangxu, #HE Zhen, #LONG Huiwu, #WANG Yunhao, #LU Pengyi, #YIN Jinwen, SUN Hongyan, ZHANG Zhicheng, FAN Zhanxi, "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i> , 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a> .
<b>LU Pengyi</b>	#YU Jinli, #WANG Juan, #MA Yangbo, #ZHOU Jingwen, #WANG Yunhao, #LU Pengyi, #YIN Jinwen, YE Ruquan, ZHU Zonglong, FAN Zhanxi, "Recent Progresses in Electrochemical Carbon Dioxide Reduction on Copper-Based Catalysts towards Multicarbon

## Section A: Publications of PhD Students

	Products", <i>Advanced Functional Materials</i> , 31(37), 26 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102151">https://doi.org/10.1002/adfm.202102151</a> .
	# <a href="#">LU Pengyi</a> , # <a href="#">ZHOU Jingwen</a> , HU Yukun, # <a href="#">YIN Jinwen</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">YU Jinli</a> , # <a href="#">MA Yangbo</a> , <a href="#">ZHU Zonglong</a> , <a href="#">ZENG Zhiyuan</a> , <a href="#">FAN Zhanxi</a> , "Gold-based Nanoalloys: Synthetic Methods and Catalytic Applications", <i>Journal of Materials Chemistry A</i> , 9(35), 09 June 2021, pp 19025-19053, doi: <a href="https://doi.org/10.1039/d1ta03646g">https://doi.org/10.1039/d1ta03646g</a> .
	# <a href="#">MA Yangbo</a> , # <a href="#">WANG Juan</a> , # <a href="#">YU Jinli</a> , # <a href="#">ZHOU Jingwen</a> , # <a href="#">ZHOU Xichen</a> , # <a href="#">LI Huangxu</a> , # <a href="#">HE Zhen</a> , # <a href="#">LONG Huiwu</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">LU Pengyi</a> , # <a href="#">YIN Jinwen</a> , <a href="#">SUN Hongyan</a> , <a href="#">ZHANG Zhicheng</a> , <a href="#">FAN Zhanxi</a> , "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i> , 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a> .
	# <a href="#">LU Pengyi</a> , JIANG Xiaotong, GUO Wenlei, WANG Lei, ZHANG Tao, BOYJOO Yash, SI Wenping, HOU Feng, LIU Jian, DOU Shi Xue, LIANG Ji, "A Ni-Co sulfide nanosheet/carbon nanotube hybrid film for high-energy and high-power flexible supercapacitors", <i>Carbon</i> , 178, 17 March 2021, pp 355-362, doi: <a href="https://doi.org/10.1016/j.carbon.2021.02.103">https://doi.org/10.1016/j.carbon.2021.02.103</a> .
<b>LU Shiyao</b>	ZHANG Ze, WANG Jia-Nan, SHAO A.-Hu, XIONG Dong-Gen, LIU Jian-Wei, LAO Cheng-Yen, XI Kai, # <a href="#">LU Shiyao</a> , JIANG Qiu, YU Ji, LI Huang-Long, YANG Zhen-Yu, KUMAR R. Vasant, "Recyclable cobalt-molybdenum bimetallic carbide modified separator boosts the polysulfide adsorption-catalysis of lithium sulfur battery", <i>Science China Materials</i> , 63(12), 18 August 2020, pp 2443-2455, doi: <a href="https://doi.org/10.1007/s40843-020-1425-2">https://doi.org/10.1007/s40843-020-1425-2</a> .
	WU Hu, # <a href="#">LU Shiyao</a> , XU Siyuan, ZHAO Jing, WANG Yuankun, HUANG Chang, ABDELKADER Amr, WANG Wei Alex, XI Kai, GUO Yuzheng, DING Shujiang, GAO Guoxin, KUMAR Ramachandran Vasant, "Blowing Iron Chalcogenides into Two-Dimensional Flaky Hybrids with Superior Cyclability and Rate Capability for Potassium-Ion Batteries", <i>ACS Nano</i> , 15(2), 19 January 2021, pp 2506-2519, doi: <a href="https://doi.org/10.1021/acsnano.0c06667">https://doi.org/10.1021/acsnano.0c06667</a> .
	# <a href="#">LU Shiyao</a> , # <a href="#">LIANG Jinzhe</a> , # <a href="#">LONG Huiwu</a> , # <a href="#">LI Huangxu</a> , # <a href="#">ZHOU Xichen</a> , # <a href="#">HE Zhen</a> , CHEN Ye, <a href="#">SUN Hongyan</a> , <a href="#">FAN Zhanxi</a> , <a href="#">ZHANG Hua</a> , "Crystal Phase Control of Gold Nanomaterials by Wet-Chemical Synthesis", <i>Accounts of Chemical Research</i> , 53(10), 24 September 2020, pp 2106-2118, doi: <a href="https://doi.org/10.1021/acs.accounts.0c00487">https://doi.org/10.1021/acs.accounts.0c00487</a> .
	YU Qiyao, WANG Bo, HU Jun, SUO Guoquan, WANG Qingxin, MEI Haozheng, XI Kai, # <a href="#">LU Shiyao</a> , WANG Wei (Alex), ZHANG Jianguo, "Amorphous CoS <sub>1.4</sub> ultrathin nanosheets/amorphous N-doped carbon nanobox: A dual-amorphous confined structure for superior potassium storage", <i>Journal of Power Sources</i> , 506, 06 June 2021, doi: <a href="https://doi.org/10.1016/j.jpowsour.2021.230117">https://doi.org/10.1016/j.jpowsour.2021.230117</a> .
	# <a href="#">LU Shiyao</a> , WU Hu, HOU Jingwei, LIU Limin, LI Jiao, HARRIS Chris J, LAO Cheng-Yen, GUO Yuzheng, XI Kai, DING Shujiang, GAO Guoxin, CHEENTHAM Anthony K, KUMAR R. Vasant, "Phase boundary engineering of metal-organic-framework-derived carbonaceous nickel selenides for sodium-ion batteries", <i>Nano Research</i> , 13(8), 02 July 2020, pp 2289-2298, doi: <a href="https://doi.org/10.1007/s12274-020-2848-z">https://doi.org/10.1007/s12274-020-2848-z</a> .
	ZHAO Jing, WU Hu, LI Long, # <a href="#">LU Shiyao</a> , MAO Heng, DING Shujiang, "A CoSe <sub>2</sub> -based 3D conductive network for high-performance potassium storage: enhancing charge transportation by encapsulation and restriction strategy", <i>Materials Chemistry Frontiers</i> , 05 May 2021, doi: <a href="https://doi.org/10.1039/d1qm00362c">https://doi.org/10.1039/d1qm00362c</a> .
	# <a href="#">LU Shiyao</a> , WU Hu, XU Siyuan, WANG Yuankun, ZHAO Jianyun, LI Yuhan, ABDELKADER Amr M., LI Jiao, WANG Wei, XI Kai, GUO Yuzheng, DING Shujiang, GAO Guoxin, KUMAR Ramachandran Vasant, "Iron Selenide Microcapsules as Universal Conversion-Typed Anodes for Alkali Metal-Ion Batteries", <i>Small</i> , 17(8), 31 January 2021, doi: <a href="https://doi.org/10.1002/smll.202005745">https://doi.org/10.1002/smll.202005745</a> .
<b>LYU Kaixin</b>	# <a href="#">LYU Kaixin</a> , CHOW Eugene Yui-Ching, # <a href="#">MOU Xi</a> , CHAN Ting Fung, <a href="#">KWOK Chun Kit</a> , "RNA G-quadruplexes (rG4s): Genomics and biological functions", <i>Nucleic Acids Research</i> , 49(10), 27 March 2021, pp 5426-5450, doi: <a href="https://doi.org/10.1093/nar/gkab187">https://doi.org/10.1093/nar/gkab187</a> .
<b>MA Linlin</b>	# <a href="#">MA Linlin</a> , HU Xiao, LIU Wu-Jun, LI Hong-Chao, <a href="#">LAM Kwan Sing Paul</a> , <a href="#">ZENG Raymond Jianxiong</a> , YU Han-Qing, "Constructing N, P-dually doped biochar materials from biomass wastes for high-performance bifunctional oxygen electrocatalysts", <i>Chemosphere</i> , 278, 06 April 2021, doi: <a href="https://doi.org/10.1016/j.chemosphere.2021.130508">https://doi.org/10.1016/j.chemosphere.2021.130508</a> .

## Section A: Publications of PhD Students

<b>MA Yangbo</b>	# <a href="#">YIN Jinwen</a> , # <a href="#">WANG Juan</a> , # <a href="#">MA Yangbo</a> , # <a href="#">YU Jinli</a> , # <a href="#">ZHOU Jingwen</a> , <a href="#">FAN Zhanxi</a> , "Recent Advances in the Controlled Synthesis and Catalytic Applications of Two-Dimensional Rhodium Nanomaterials", <i>ACS Materials Letters</i> , 3(1), 17 December 2020, pp 121-133, doi: <a href="https://doi.org/10.1021/acsmaterialslett.0c00473">https://doi.org/10.1021/acsmaterialslett.0c00473</a> .
	# <a href="#">YU Jinli</a> , # <a href="#">WANG Juan</a> , # <a href="#">MA Yangbo</a> , # <a href="#">ZHOU Jingwen</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">LU Pengyi</a> , # <a href="#">YIN Jinwen</a> , <a href="#">YE Ruquan</a> , <a href="#">ZHU Zonglong</a> , <a href="#">FAN Zhanxi</a> , "Recent Progresses in Electrochemical Carbon Dioxide Reduction on Copper-Based Catalysts towards Multicarbon Products", <i>Advanced Functional Materials</i> , 31(37), 26 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102151">https://doi.org/10.1002/adfm.202102151</a> .
	# <a href="#">LU Pengyi</a> , # <a href="#">ZHOU Jingwen</a> , <a href="#">HU Yukun</a> , # <a href="#">YIN Jinwen</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">YU Jinli</a> , # <a href="#">MA Yangbo</a> , <a href="#">ZHU Zonglong</a> , <a href="#">ZENG Zhiyuan</a> , <a href="#">FAN Zhanxi</a> , "Gold-based Nanoalloys: Synthetic Methods and Catalytic Applications", <i>Journal of Materials Chemistry A</i> , 9(35), 09 June 2021, pp 19025-19053, doi: <a href="https://doi.org/10.1039/d1ta03646g">https://doi.org/10.1039/d1ta03646g</a> .
	# <a href="#">MA Yangbo</a> , # <a href="#">WANG Juan</a> , # <a href="#">YU Jinli</a> , # <a href="#">ZHOU Jingwen</a> , # <a href="#">ZHOU Xichen</a> , # <a href="#">LI Huangxu</a> , # <a href="#">HE Zhen</a> , # <a href="#">LONG Huiwu</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">LU Pengyi</a> , # <a href="#">YIN Jinwen</a> , <a href="#">SUN Hongyan</a> , <a href="#">ZHANG Zhicheng</a> , <a href="#">FAN Zhanxi</a> , "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i> , 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a> .
<b>MAN Ping</b>	<a href="#">HE Bing</a> , <a href="#">YIN Kuibo</a> , <a href="#">GONG Wenbin</a> , <a href="#">XIONG Yuwei</a> , <a href="#">ZHANG Qichong</a> , <a href="#">YANG Jiao</a> , <a href="#">WANG Zhixun</a> , <a href="#">WANG Zhe</a> , <a href="#">CHEN Mengxiao</a> , # <a href="#">MAN Ping</a> , <a href="#">COQUET Philippe</a> , <a href="#">YAO Yagang</a> , <a href="#">SUN Litao</a> , <a href="#">WEI Lei</a> , "NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> hollow nanoparticles encapsulated in carbon nanofibers as novel anodes for flexible aqueous rechargeable sodium-ion batteries", <i>Nano Energy</i> , 82, 12 January 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.105764">https://doi.org/10.1016/j.nanoen.2021.105764</a> .
<b>MI Hua</b>	# <a href="#">QIU Yuwei</a> , # <a href="#">JIANG Kunlun</a> , <a href="#">WU Jingrui</a> , # <a href="#">MI Hua</a> , <a href="#">PENG Yung-kang</a> , <a href="#">GO Yun Young</a> , <a href="#">PARK Hyun June</a> , <a href="#">LEE Jung-hoon</a> , "Fast and sensitive immuno-PCR assisted by plasmonic magnetic nanoparticles", <i>Applied Materials Today</i> , 23, 13 May 2021, doi: <a href="https://doi.org/10.1016/j.apmt.2021.101054">https://doi.org/10.1016/j.apmt.2021.101054</a> .
	<a href="#">WU Jingrui</a> , # <a href="#">JIANG Kunlun</a> , # <a href="#">MI Hua</a> , # <a href="#">QIU Yuwei</a> , <a href="#">SON Jiwoong</a> , <a href="#">PARK Hyun June</a> , <a href="#">NAM Jwa-Min</a> , <a href="#">LEE Jung-hoon</a> , "A rapid and sensitive fluorescence biosensor based on plasmonic PCR", <i>Nanoscale</i> , 13(15), 19 March 2021, pp 7348-7354, doi: <a href="https://doi.org/10.1039/d1nr00102g">https://doi.org/10.1039/d1nr00102g</a> .
<b>MIN Di</b>	# <a href="#">MIN Di</a> , <a href="#">WU Jie</a> , <a href="#">CHENG Lei</a> , <a href="#">LIU Dong-Feng</a> , <a href="#">LAU T C</a> , <a href="#">YU Han-Qing</a> , "Dependence of arsenic resistance and reduction capacity of <i>Aeromonas hydrophila</i> on carbon substrate", <i>Journal of Hazardous Materials</i> , 403, 03 August 2020, doi: <a href="https://doi.org/10.1016/j.jhazmat.2020.123611">https://doi.org/10.1016/j.jhazmat.2020.123611</a> .
<b>MO Jiezhang</b>	# <a href="#">MO Jiezhang</a> , <a href="#">AU Wai Ting Doris</a> , # <a href="#">WAN Teng</a> , # <a href="#">SHI Jingchun</a> , <a href="#">ZHANG Ge</a> , <a href="#">WINKLER Christoph</a> , <a href="#">KONG Yuen Chong Richard</a> , <a href="#">SEEMANN Frauke</a> , "Multigenerational Impacts of Benzo[a]pyrene on Bone Modeling and Remodeling in Medaka ( <i>Oryzias latipes</i> )", <i>Environmental Science &amp; Technology</i> , 54(19), 25 August 2020, pp 12271-12284, doi: <a href="https://doi.org/10.1021/acs.est.0c02416">https://doi.org/10.1021/acs.est.0c02416</a> .
	<a href="#">GUO Jiahua</a> , <a href="#">MA Zhihua</a> , <a href="#">PENG Jianglin</a> , # <a href="#">MO Jiezhang</a> , <a href="#">LI Qi</a> , <a href="#">GUO Jipu</a> , <a href="#">YANG Fangshe</a> , "Transcriptomic analysis of <i>Raphidocelis subcapitata</i> exposed to erythromycin: The role of DNA replication in hormesis and growth inhibition", <i>Journal of Hazardous Materials</i> , 402, 17 July 2020, doi: <a href="https://doi.org/10.1016/j.jhazmat.2020.123512">https://doi.org/10.1016/j.jhazmat.2020.123512</a> .
	<a href="#">PENG Jianglin</a> , <a href="#">GUO Jiahua</a> , <a href="#">LEI Yuan</a> , # <a href="#">MO Jiezhang</a> , <a href="#">SUN Haotian</a> , <a href="#">SONG Jinxi</a> , "Integrative analyses of transcriptomics and metabolomics in <i>Raphidocelis subcapitata</i> treated with clarithromycin", <i>Chemosphere</i> , 266, 11 November 2020, doi: <a href="https://doi.org/10.1016/j.chemosphere.2020.128933">https://doi.org/10.1016/j.chemosphere.2020.128933</a> .
	# <a href="#">MO Jiezhang</a> , <a href="#">AU Wai Ting Doris</a> , <a href="#">GUO Jiahua</a> , <a href="#">WINKLER Christoph</a> , <a href="#">KONG Yuen Chong Richard</a> , <a href="#">SEEMANN Frauke</a> , "Benzo[a]pyrene osteotoxicity and the regulatory roles of genetic and epigenetic factors: A review", <i>Critical Reviews in Environmental Science and Technology</i> , 05 May 2021, doi: <a href="https://doi.org/10.1080/10643389.2021.1915052">https://doi.org/10.1080/10643389.2021.1915052</a> .
	# <a href="#">MO Jiezhang</a> , <a href="#">QI Qianju</a> , <a href="#">HAO Yongrong</a> , <a href="#">LEI Yuan</a> , <a href="#">GUO Jiahua</a> , "Transcriptional response of a green alga ( <i>Raphidocelis subcapitata</i> ) exposed to triclosan: photosynthetic systems and DNA repair", <i>Journal of Environmental Sciences (China)</i> , 111, 17 May 2021, pp 400-411, doi: <a href="https://doi.org/10.1016/j.jes.2021.04.023">https://doi.org/10.1016/j.jes.2021.04.023</a> .

## Section A: Publications of PhD Students

	ZHANG Qiang, BAI Yi, CHEN Zhi, #MO Jiezhang, TIAN Yulu, GUO Jiahua, "Lincomycin-induced transcriptional alterations in the green alga raphidocelis subcapitata", <i>Applied Sciences (Switzerland)</i> , 10(23), 30 November 2020, doi: <a href="https://doi.org/10.3390/app10238565">https://doi.org/10.3390/app10238565</a> .
<b>MOU Xi</b>	#MOU Xi, KWOK Chun Kit, "Effect of RNA sequence context and stereochemistry on G-quadruplex-RHAU53 interaction", <i>Biochemical and Biophysical Research Communications</i> , 533(4), 09 October 2020, pp 1135-1141, doi: <a href="https://doi.org/10.1016/j.bbrc.2020.09.045">https://doi.org/10.1016/j.bbrc.2020.09.045</a> . #LYU Kaixin, CHOW Eugene Yui-Ching, #MOU Xi, CHAN Ting Fung, KWOK Chun Kit, "RNA G-quadruplexes (rG4s): Genomics and biological functions", <i>Nucleic Acids Research</i> , 49(10), 27 March 2021, pp 5426-5450, doi: <a href="https://doi.org/10.1093/nar/gkab187">https://doi.org/10.1093/nar/gkab187</a> .
<b>NG Sze Wing</b>	CHAN Siu Chung, #YEUNG Chi Fung, #SHEK Hau Lam, #NG Sze Wing, TSE Sheung Ying, TSE Man Kit, YIU Shek Man Ken, WONG Chun Yuen Alex, "Iron(ii)-induced cycloisomerization of alkynes via "non-vinylidene" pathways for iron(ii)-indolizine and -indolizinone complexes", <i>Chemical communications (Cambridge, England)</i> , 56(83), 22 September 2020, pp 12644-12647, doi: <a href="https://doi.org/10.1039/d0cc05081d">https://doi.org/10.1039/d0cc05081d</a> .
<b>PATHIKONDA SEELESH Spoorthy</b>	#SAW Lin Oo, VENKATESH Shishir, #KARTHIKEYAN Vaithinathan, #ARAVA Clementmanohar, #PATHIKONDA SEELESH Spoorthy, YU Kwan Ngok Peter, LAU Chi Kong Terrence, CHEN Xianfeng, VELLAISAMY Arul Lenus Roy, "Highly Sensitive and Cost-Effective Portable Sensor for Early Gastric Carcinoma Diagnosis", <i>Sensors</i> , 21(8), 09 April 2021, doi: <a href="https://doi.org/10.3390/s21082639">https://doi.org/10.3390/s21082639</a> .
<b>QI Feng</b>	#WU Shengfan, #LI Zhen, LI Muqing, #DIAO Yingxue, LIN Francis, #LIU Tiantian, ZHANG Jie, TIEU Peter, GAO Wenpei, #QI Feng, PAN Xiaoqing, XU Zhengtao, ZHU Zonglong, JEN Alex, "2D metal-organic framework for stable perovskite solar cells with minimized lead leakage", <i>Nature Nanotechnology</i> , 15(11), 21 September 2020, pp 934-940, doi: <a href="https://doi.org/10.1038/s41565-020-0765-7">https://doi.org/10.1038/s41565-020-0765-7</a> . GAO Wei, FAN Baobing, #QI Feng, LIN Francis, SUN Rui, XIA Xinxin, GAO Jinhua, ZHONG Cheng, LU Xinhui, MIN Jie, ZHANG Fujun, ZHU Zonglong, LUO Jingdong, JEN Alex, "Asymmetric Isomer Effects in Benzo[c][1,2,5]thiadiazole-Fused Nonacyclic Acceptors: Dielectric Constant and Molecular Crystallinity Control for Significantly Photovoltaic Performance Enhancement", <i>Advanced Functional Materials</i> , 25 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202104369">https://doi.org/10.1002/adfm.202104369</a> . #LI Fengzhu, #DENG Xiang, #QI Feng, #LI Zhen, LIU Danjun, #SHEN Dong, QIN Minchao, #WU Shengfan, LIN Francis, JANG Sei-Hum, ZHANG Jie, LU Xinhui, LEI Danguan, LEE Chun Sing, ZHU Zonglong, JEN Alex, "Regulating Surface Termination for Efficient Inverted Perovskite Solar Cells with Greater Than 23% Efficiency", <i>Journal of the American Chemical Society</i> , 142(47), 16 November 2020, pp 20134-20142, doi: <a href="https://doi.org/10.1021/jacs.0c09845">https://doi.org/10.1021/jacs.0c09845</a> . #QI Feng, JIANG Kui, LIN Francis, WU Ziang, ZHANG Hongna, GAO Wei, LI Yuxiang, CAI Zongwei, WOO Han Young, ZHU Zonglong, JEN Alex, "Over 17% Efficiency Binary Organic Solar Cells with Photoresponses Reaching 1000 nm Enabled by Selenophene-Fused Nonfullerene Acceptors", <i>ACS Energy Letters</i> , 6(1), 20 November 2020, pp 9-15, doi: <a href="https://doi.org/10.1021/acsenenergylett.0c02230">https://doi.org/10.1021/acsenenergylett.0c02230</a> . #WU Xin, #LIU Yizhe, #QI Feng, LIN Francis, FU Huiting, JIANG Kui, #WU Shengfan, #BI Leyu, #WANG Deng, XU Fang, JEN Alex, ZHU Zonglong, "Improved stability and efficiency of perovskite/organic tandem solar cells with an all-inorganic perovskite layer", <i>Journal of Materials Chemistry A</i> , 18 March 2021, doi: <a href="https://doi.org/10.1039/d0ta12286f">https://doi.org/10.1039/d0ta12286f</a> .
<b>QIU Yuwei</b>	#QIU Yuwei, #JIANG Kunlun, WU Jingrui, #MI Hua, PENG Yung-kang, GO Yun Young, PARK Hyun June, LEE Jung-hoon, "Fast and sensitive immuno-PCR assisted by plasmonic magnetic nanoparticles", <i>Applied Materials Today</i> , 23, 13 May 2021, doi: <a href="https://doi.org/10.1016/j.apmt.2021.101054">https://doi.org/10.1016/j.apmt.2021.101054</a> . #JIANG Kunlun, WU Jingrui, #QIU Yuwei, GO Yun Young, BAN Kiwon, PARK Hyun June, LEE Jung-hoon, "Plasmonic colorimetric PCR for Rapid molecular diagnostic assays", <i>Sensors and Actuators: B. Chemical</i> , 337, 10 March 2021, doi: <a href="https://doi.org/10.1016/j.snb.2021.129762">https://doi.org/10.1016/j.snb.2021.129762</a> . WU Jingrui, #JIANG Kunlun, #MI Hua, #QIU Yuwei, SON Jiwoong, PARK Hyun June, NAM Jwa-Min, LEE Jung-hoon, "A rapid and sensitive fluorescence biosensor based on plasmonic PCR", <i>Nanoscale</i> , 13(15), 19 March 2021, pp 7348-7354, doi: <a href="https://doi.org/10.1039/d1nr00102g">https://doi.org/10.1039/d1nr00102g</a> .

## Section A: Publications of PhD Students

<b>SHEK Hau Lam</b>	# <a href="#">SHEK Hau Lam</a> , # <a href="#">YEUNG Chi Fung</a> , <a href="#">CHUNG Lai Hon</a> , <a href="#">WONG Chun Yuen Alex</a> , "A focused review on the unconventional alkyne activations by ruthenium(II) and osmium(II) complexes supported by 1,2-bis(diphenylphosphino)methane (dppm)", <i>Polyhedron</i> , 197, 13 January 2021, doi: <a href="https://doi.org/10.1016/j.poly.2021.115023">https://doi.org/10.1016/j.poly.2021.115023</a> .
	<a href="#">CHAN Siu Chung</a> , # <a href="#">YEUNG Chi Fung</a> , # <a href="#">SHEK Hau Lam</a> , # <a href="#">NG Sze Wing</a> , <a href="#">TSE Sheung Ying</a> , <a href="#">TSE Man Kit</a> , <a href="#">YIU Shek Man Ken</a> , <a href="#">WONG Chun Yuen Alex</a> , "Iron(ii)-induced cycloisomerization of alkynes via "non-vinylidene" pathways for iron(ii)-indolizine and -indolizinone complexes", <i>Chemical communications (Cambridge, England)</i> , 56(83), 22 September 2020, pp 12644-12647, doi: <a href="https://doi.org/10.1039/d0cc05081d">https://doi.org/10.1039/d0cc05081d</a> .
	# <a href="#">YEUNG Chi Fung</a> , <a href="#">CHUNG Lai Hon</a> , <a href="#">TSE Sheung Ying</a> , # <a href="#">SHEK Hau Lam</a> , <a href="#">TSE Man Kit</a> , <a href="#">YIU Shek Man Ken</a> , <a href="#">WONG Chun Yuen Alex</a> , "Conventional and unconventional alkyne activations by Ru and Os for unprecedented dimetalated quinolizinium complexes", <i>Chemical Communications</i> , 56(63), 10 July 2020, pp 8908-8911, doi: <a href="https://doi.org/10.1039/d0cc03480k">https://doi.org/10.1039/d0cc03480k</a> .
<b>SHEN Dong</b>	<a href="#">LO Raymond</a> , <a href="#">NG Tsz Wai</a> , # <a href="#">SHEN Dong</a> , <a href="#">LEE Chun Sing</a> , "Charge Energetics and Electronic Level Changes At the Copper(II) Phthalocyanine/Fullerene Junction Upon Photoexcitation", <i>ACS Applied Materials &amp; Interfaces</i> , 12(38), 26 August 2020, pp 42992-42996, doi: <a href="https://doi.org/10.1021/acsami.0c08497">https://doi.org/10.1021/acsami.0c08497</a> .
	# <a href="#">CAO Chen</a> , <a href="#">YANG G. X.</a> , # <a href="#">TAN Jihua</a> , # <a href="#">SHEN Dong</a> , <a href="#">CHEN Wencheng</a> , <a href="#">CHEN Jiexiong</a> , # <a href="#">LIANG Jianli</a> , # <a href="#">ZHU Zelin</a> , <a href="#">LIU Shihao</a> , <a href="#">TONG Qingxiao</a> , <a href="#">LEE Chun Sing</a> , "Deep-blue high-efficiency triplet-triplet annihilation organic light-emitting diodes using donor- and acceptor-modified anthracene fluorescent emitters", <i>Materials Today Energy</i> , 21, 24 March 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100727">https://doi.org/10.1016/j.mtener.2021.100727</a> .
	<a href="#">WANG Hui</a> , # <a href="#">LIANG Jianli</a> , # <a href="#">WU Yan</a> , # <a href="#">KANG Tianxing</a> , # <a href="#">SHEN Dong</a> , <a href="#">TONG Zhongqiu</a> , # <a href="#">YANG Rui</a> , <a href="#">JIANG Yang</a> , <a href="#">WU Di</a> , <a href="#">LI Xinjian</a> , <a href="#">LEE Chun Sing</a> , "Porous BN Nanofibers Enable Long-Cycling Life Sodium Metal Batteries", <i>Small</i> , 16(34), 21 July 2020, doi: <a href="https://doi.org/10.1002/smll.202002671">https://doi.org/10.1002/smll.202002671</a> .
	# <a href="#">KONG Xin</a> , # <a href="#">GAO Qili</a> , # <a href="#">BU Shuyu</a> , # <a href="#">XU Zian</a> , # <a href="#">SHEN Dong</a> , <a href="#">LIU Bin</a> , <a href="#">LEE Chun Sing</a> , <a href="#">ZHANG Wenjun</a> , "Plasma-assisted synthesis of nickel-cobalt nitride-oxide hybrids for high-efficiency electrochemical hydrogen evolution", <i>Materials Today Energy</i> , 21, 24 May 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100784">https://doi.org/10.1016/j.mtener.2021.100784</a> .
	# <a href="#">SHEN Dong</a> , # <a href="#">WU Yan</a> , <a href="#">LO Raymond</a> , <a href="#">LEE Chun Sing</a> , "Charge transport properties of co-evaporated organic-inorganic thin film charge transfer complexes: effects of intermolecular interactions", <i>Journal of Materials Chemistry C</i> , 8(47), 12 October 2020, pp 16725-16729, doi: <a href="https://doi.org/10.1039/d0tc04278a">https://doi.org/10.1039/d0tc04278a</a> .
	<a href="#">LIU Kuan</a> , <a href="#">LIANG Qiong</a> , <a href="#">QIN Minchao</a> , # <a href="#">SHEN Dong</a> , <a href="#">YIN Hang</a> , <a href="#">REN Zhiwei</a> , <a href="#">ZHANG Yaokang</a> , <a href="#">ZHANG Hengkai</a> , <a href="#">FONG Patrick W. K.</a> , <a href="#">WU Zehan</a> , <a href="#">HUANG Jiaming</a> , <a href="#">HAO Jianhua</a> , <a href="#">ZHENG Zijian</a> , <a href="#">SO Shu Kong</a> , <a href="#">LEE Chun Sing</a> , <a href="#">LU Xinhui</a> , <a href="#">LI Gang</a> , "Zwitterionic-Surfactant-Assisted Room-Temperature Coating of Efficient Perovskite Solar Cells", <i>Joule</i> , 4(11), 16 October 2020, pp 2404-2425, doi: <a href="https://doi.org/10.1016/j.joule.2020.09.011">https://doi.org/10.1016/j.joule.2020.09.011</a> .
	# <a href="#">SHEN Dong</a> , <a href="#">GUAN Zhiqiang</a> , # <a href="#">LI Menglin</a> , <a href="#">TSANG Sai Wing</a> , <a href="#">ZHANG Wenjun</a> , <a href="#">LO Raymond</a> , <a href="#">LEE Chun Sing</a> , "Trilayer organic narrowband photodetector with electrically-switchable spectral range and color sensing ability", <i>Journal of Materials Chemistry C</i> , 9(11), 16 February 2021, pp 3814-3819, doi: <a href="https://doi.org/10.1039/d0tc04893c">https://doi.org/10.1039/d0tc04893c</a> .
	# <a href="#">HUANG Lingli</a> , <a href="#">YANG Tiefeng</a> , <a href="#">WONG Lok Wing</a> , <a href="#">ZHENG Fangyuan</a> , # <a href="#">CHEN Xin</a> , <a href="#">LAI Ka Hei</a> , # <a href="#">LIU Haijun</a> , # <a href="#">THI Quoc Huy</a> , # <a href="#">SHEN Dong</a> , <a href="#">LEE Chun Sing</a> , <a href="#">DENG Qingming</a> , <a href="#">ZHAO Jiong</a> , <a href="#">LY Thuc Hue</a> , "Redox Photochemistry on Van Der Waals Surfaces for Reversible Doping in 2D Materials", <i>Advanced Functional Materials</i> , 31(16), 17 February 2021, doi: <a href="https://doi.org/10.1002/adfm.202009166">https://doi.org/10.1002/adfm.202009166</a> .
	# <a href="#">SHEN Dong</a> , <a href="#">CHEN Wencheng</a> , <a href="#">LO Raymond</a> , <a href="#">LEE Chun Sing</a> , "Charge-transfer complexes and their applications in optoelectronic devices", <i>Materials Today Energy</i> , 20, 11 January 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100644">https://doi.org/10.1016/j.mtener.2021.100644</a> .
	<a href="#">ZHANG Hengkai</a> , <a href="#">CHEN Zhiliang</a> , <a href="#">QIN Minchao</a> , <a href="#">REN Zhiwei</a> , <a href="#">LIU Kuan</a> , <a href="#">HUANG Jiaming</a> , # <a href="#">SHEN Dong</a> , <a href="#">WU Zehan</a> , <a href="#">ZHANG Yaokang</a> , <a href="#">HAO Jianhua</a> , <a href="#">LEE Chun Sing</a> , <a href="#">LU Xinhui</a> , <a href="#">ZHENG Zijian</a> , <a href="#">YU Wei</a> , <a href="#">LI Gang</a> , "Multifunctional Crosslinking-Enabled Strain-Regulating Crystallization for



## Section A: Publications of PhD Students

	Stable, Efficient $\alpha$ -FAPbI <sub>3</sub> -Based Perovskite Solar Cells", <i>Advanced Materials</i> , 33(29), 04 June 2021, doi: <a href="https://doi.org/10.1002/adma.202008487">https://doi.org/10.1002/adma.202008487</a> .
	# <u>MA Yuhui</u> , <u>CHENG Yuanhang</u> , <u>XU Xiuwen</u> , # <u>LI Menglin</u> , <u>ZHANG Chujun</u> , <u>CHEUNG Sin-Hang</u> , # <u>ZENG Zixin</u> , # <u>SHEN Dong</u> , <u>XIE Yuemin</u> , <u>CHIU Ka Lok</u> , <u>LIN Fen</u> , <u>SO Shu Kong</u> , <u>LEE Chun Sing</u> , <u>TSANG Sai Wing</u> , "Suppressing Ion Migration across Perovskite Grain Boundaries by Polymer Additives", <i>Advanced Functional Materials</i> , 31(3), 02 October 2020, doi: <a href="https://doi.org/10.1002/adfm.202006802">https://doi.org/10.1002/adfm.202006802</a> .
	# <u>LI Fengzhu</u> , # <u>DENG Xiang</u> , # <u>QI Feng</u> , # <u>LI Zhen</u> , <u>LIU Danjun</u> , # <u>SHEN Dong</u> , <u>QIN Minchao</u> , # <u>WU Shengfan</u> , <u>LIN Francis</u> , <u>JANG Sei-Hum</u> , <u>ZHANG Jie</u> , <u>LU Xinhui</u> , <u>LEI Dangyuan</u> , <u>LEE Chun Sing</u> , <u>ZHU Zonglong</u> , <u>JEN Alex</u> , "Regulating Surface Termination for Efficient Inverted Perovskite Solar Cells with Greater Than 23% Efficiency", <i>Journal of the American Chemical Society</i> , 142(47), 16 November 2020, pp 20134–20142, doi: <a href="https://doi.org/10.1021/jacs.0c09845">https://doi.org/10.1021/jacs.0c09845</a> .
	# <u>ZHU Zhaohua</u> , # <u>WU Yan</u> , <u>SHEN Yang</u> , # <u>TAN Jihua</u> , # <u>SHEN Dong</u> , <u>LO Raymond</u> , # <u>LI Menglin</u> , <u>YUAN Yi</u> , <u>TANG Jianxin</u> , <u>ZHANG Wenjun</u> , <u>TSANG Sai Wing</u> , <u>GUAN Zhiqiang</u> , <u>LEE Chun Sing</u> , "Highly Efficient Sky-Blue Perovskite Light-Emitting Diode Via Suppressing Nonradiative Energy Loss", <i>Chemistry of Materials</i> , 33(11), 27 May 2021, pp 4154–4162, doi: <a href="https://doi.org/10.1021/acs.chemmater.1c00903">https://doi.org/10.1021/acs.chemmater.1c00903</a> .
	# <u>CUI Xiao</u> , <u>LU Guihong</u> , <u>FANG Fang</u> , <u>XIONG Yuan</u> , # <u>TIAN Shuang</u> , # <u>WAN Yingpeng</u> , # <u>XIAO Yafang</u> , # <u>SHEN Dong</u> , <u>WANG Hui</u> , <u>ZHANG Jinfeng</u> , <u>LEE Chun Sing</u> , "Iron Self-Boosting Polymer Nanoenzyme for Low-Temperature Photothermal-Enhanced Ferrotherapy", <i>ACS Applied Materials and Interfaces</i> , 13(26), 25 June 2021, pp 30274–30283, doi: <a href="https://doi.org/10.1021/acsami.1c01658">https://doi.org/10.1021/acsami.1c01658</a> .
	# <u>WU Yan</u> , # <u>ZHU Zhaohua</u> , <u>LI Yifan</u> , # <u>SHEN Dong</u> , <u>CHEN Lina</u> , # <u>KANG Tianxing</u> , <u>LIN Xiaohang</u> , <u>TONG Zhongqiu</u> , <u>WANG Hui</u> , <u>LEE Chun Sing</u> , "Aqueous MnV <sub>2</sub> O <sub>6</sub> -Zn Battery with High Operating Voltage and Energy Density", <i>Small</i> , 17(28), 09 June 2021, doi: <a href="https://doi.org/10.1002/sml.202008182">https://doi.org/10.1002/sml.202008182</a> .
	# <u>SHEN Dong</u> , <u>MA Chungqing</u> , <u>NG Tsz Wai</u> , <u>THACHOTH CHANDRAN Hrisheekesh</u> , <u>LO Raymond</u> , <u>LEE Chun Sing</u> , "Organic-Inorganic Charge Transfer Complex with Charge Modulation after Electrical Pre-biasing", <i>ACS applied materials &amp; interfaces</i> , 12(33), 24 July 2020, pp 37384-37390, doi: <a href="https://doi.org/10.1021/acsami.0c09064">https://doi.org/10.1021/acsami.0c09064</a> .
	<u>WANG Hui</u> , # <u>WU Yan</u> , <u>LIU Shihao</u> , <u>JIANG Yang</u> , # <u>SHEN Dong</u> , # <u>KANG Tianxing</u> , <u>TONG Zhongqiu</u> , <u>WU Di</u> , <u>LI Xinjian</u> , <u>LEE Chun Sing</u> , "3D Ag@C Cloth for Stable Anode Free Sodium Metal Batteries", <i>Small Methods</i> , 5(4), 18 January 2021, doi: <a href="https://doi.org/10.1002/smt.202001050">https://doi.org/10.1002/smt.202001050</a> .
	<u>YOU Peng</u> , <u>TANG Guanqi</u> , <u>CAO Jiupeng</u> , # <u>SHEN Dong</u> , <u>NG Tsz Wai</u> , <u>HAWASH Zafer</u> , <u>WANG Naixiang</u> , <u>LIU Chun-Ki</u> , <u>LU Wei</u> , <u>TAI Qidong</u> , <u>QI Yabing</u> , <u>LEE Chun Sing</u> , <u>YAN Feng</u> , "2D materials for conducting holes from grain boundaries in perovskite solar cells", <i>Light: Science &amp; Applications</i> , 10, 31 March 2021, doi: <a href="https://doi.org/10.1038/s41377-021-00515-8">https://doi.org/10.1038/s41377-021-00515-8</a> .
	# <u>KANG Tianxing</u> , # <u>TAN Jihua</u> , # <u>LI Xiaocui</u> , # <u>LIANG Jianli</u> , <u>WANG Hui</u> , # <u>SHEN Dong</u> , # <u>WU Yan</u> , # <u>HUANG Zhongming</u> , <u>LU Yang</u> , <u>TONG Zhongqiu</u> , <u>LEE Chun Sing</u> , "Armoring SiO <sub>x</sub> with a conformal LiF layer to boost lithium storage", <i>Journal of Materials Chemistry A</i> , 9(12), 19 February 2021, pp 7807-7816, doi: <a href="https://doi.org/10.1039/d0ta12508c">https://doi.org/10.1039/d0ta12508c</a> .
	<u>THACHOTH CHANDRAN Hrisheekesh</u> , <u>LIU Taili</u> , # <u>SHEN Dong</u> , <u>GUAN Zhiqiang</u> , # <u>LI Menglin</u> , <u>ZAPIEN Juan Antonio</u> , <u>TSANG Sai Wing</u> , <u>LO Raymond</u> , <u>LEE Chun Sing</u> , "A Family of Small Molecular Materials Enabling Consistently Lower Recombination Losses in Organic Photovoltaic Devices", <i>Solar RRL</i> , 4(10), 11 July 2020, doi: <a href="https://doi.org/10.1002/solr.202000245">https://doi.org/10.1002/solr.202000245</a> .
	# <u>TIAN Shuang</u> , <u>BAI Haotian</u> , <u>LI Shengliang</u> , # <u>XIAO Yafang</u> , # <u>CUI Xiao</u> , # <u>LI Xiaozhen</u> , # <u>TAN Jihua</u> , # <u>HUANG Zhongming</u> , # <u>SHEN Dong</u> , <u>LIU Weimin</u> , <u>WANG Pengfei</u> , <u>TANG Ben Zhong</u> , <u>LEE Chun Sing</u> , "Water-Soluble Organic Nanoparticles with Programmable Intermolecular Charge Transfer for NIR-II Photothermal Anti-Bacterial Therapy", <i>Angewandte Chemie (International Edition)</i> , 60(21), 16 March 2021, pp 11758-11762, doi: <a href="https://doi.org/10.1002/anie.202101406">https://doi.org/10.1002/anie.202101406</a> .
<b>SONG Yun</b>	# <u>SONG Yun</u> , <u>ZHANG Jun-Jie</u> , # <u>ZHU Zhaohua</u> , # <u>CHEN Xin</u> , # <u>HUANG Libei</u> , # <u>SU Jianjun</u> , <u>XU Zhengtao</u> , <u>LY Thuc Hue</u> , <u>LEE Chun Sing</u> , <u>YAKOBSON Boris I.</u> , <u>TANG Ben Zhong</u> , <u>YE Ruquan</u> , "Zwitterionic ultrathin covalent organic polymers for high-performance electrocatalytic

## Section A: Publications of PhD Students

	carbon dioxide reduction", <i>Applied Catalysis B: Environmental</i> , 284, 21 November 2020, doi: <a href="https://doi.org/10.1016/j.apcatb.2020.119750">https://doi.org/10.1016/j.apcatb.2020.119750</a> .
	#HUANG Libei, XU Siyu, WANG Zhaoyu, XUE Ke, #SU Jianjun, #SONG Yun, CHEN Sijie, ZHU Chunlei, TANG Ben Zhong, YE Ruquan, "Self-Reporting and Photothermally Enhanced Rapid Bacterial Killing on a Laser-Induced Graphene Mask", <i>ACS Nano</i> , 14(9), 11 August 2020, pp 12045-12053, doi: <a href="https://doi.org/10.1021/acsnano.0c05330">https://doi.org/10.1021/acsnano.0c05330</a> .
	#SU Jianjun, ZHANG Jun-Jie, CHEN Jiacheng, #SONG Yun, #HUANG Libei, ZHU Minghui, YAKOBSON Boris I., TANG Ben Zhong, YE Ruquan, "Building a stable cationic molecule/electrode interface for highly efficient and durable CO <sub>2</sub> reduction at an industrially relevant current", <i>Energy and Environmental Science</i> , 14(1), 08 December 2020, pp 483-492, doi: <a href="https://doi.org/10.1039/d0ee02535f">https://doi.org/10.1039/d0ee02535f</a> .
	#HUANG Libei, LING Li, #SU Jianjun, #SONG Yun, WANG Zhaoyu, TANG Ben Zhong, WESTERHOFF Paul, YE Ruquan, "Laser-Engineered Graphene on Wood Enables Efficient Antibacterial, Anti-Salt-Fouling, and Lipophilic-Matter-Rejection Solar Evaporation", <i>ACS Applied Materials and Interfaces</i> , 12(46), 09 November 2020, pp 51864–51872, doi: <a href="https://doi.org/10.1021/acscami.0c16596">https://doi.org/10.1021/acscami.0c16596</a> .
	#HUANG Libei, #SU Jianjun, #SONG Yun, YE Ruquan, "Laser-Induced Graphene: En Route to Smart Sensing", <i>Nano-Micro Letters</i> , 12(1), 03 August 2020, doi: <a href="https://doi.org/10.1007/s40820-020-00496-0">https://doi.org/10.1007/s40820-020-00496-0</a> .
	#CHENG Le, #GUO Weihua, #CAO Xiaohu, #DOU Yubing, #HUANG Libei, #SONG Yun, #SU Jianjun, ZENG Zhiyuan, YE Ruquan, "Laser-induced graphene for environmental applications: progress and opportunities", <i>Materials Chemistry Frontiers</i> , 26 April 2021, doi: <a href="https://doi.org/10.1039/d1qm00437a">https://doi.org/10.1039/d1qm00437a</a> .
<b>SU Jianjun</b>	#SONG Yun, ZHANG Jun-Jie, #ZHU Zhaohua, #CHEN Xin, #HUANG Libei, #SU Jianjun, XU Zhengtao, LY Thuc Hue, LEE Chun Sing, YAKOBSON Boris I., TANG Ben Zhong, YE Ruquan, "Zwitterionic ultrathin covalent organic polymers for high-performance electrocatalytic carbon dioxide reduction", <i>Applied Catalysis B: Environmental</i> , 284, 21 November 2020, doi: <a href="https://doi.org/10.1016/j.apcatb.2020.119750">https://doi.org/10.1016/j.apcatb.2020.119750</a> .
	#HUANG Libei, XU Siyu, WANG Zhaoyu, XUE Ke, #SU Jianjun, #SONG Yun, CHEN Sijie, ZHU Chunlei, TANG Ben Zhong, YE Ruquan, "Self-Reporting and Photothermally Enhanced Rapid Bacterial Killing on a Laser-Induced Graphene Mask", <i>ACS Nano</i> , 14(9), 11 August 2020, pp 12045-12053, doi: <a href="https://doi.org/10.1021/acsnano.0c05330">https://doi.org/10.1021/acsnano.0c05330</a> .
	#HUANG Chao, ZHANG Biao, #WU Yuzheng, #RUAN Qingdong, #LIU Liangliang, #SU Jianjun, #TANG Yunqi, LIU Rugeng, CHU Paul Kim Ho, "Experimental and Theoretical Investigation of Reconstruction and Active Phases on Honeycombed Ni <sub>3</sub> N-Co <sub>3</sub> N/C in Water Splitting", <i>Applied Catalysis B: Environmental</i> , 297, 15 June 2021, doi: <a href="https://doi.org/10.1016/j.apcatb.2021.120461">https://doi.org/10.1016/j.apcatb.2021.120461</a> .
	#SU Jianjun, ZHANG Jun-Jie, CHEN Jiacheng, #SONG Yun, #HUANG Libei, ZHU Minghui, YAKOBSON Boris I., TANG Ben Zhong, YE Ruquan, "Building a stable cationic molecule/electrode interface for highly efficient and durable CO <sub>2</sub> reduction at an industrially relevant current", <i>Energy and Environmental Science</i> , 14(1), 08 December 2020, pp 483-492, doi: <a href="https://doi.org/10.1039/d0ee02535f">https://doi.org/10.1039/d0ee02535f</a> .
	#HUANG Libei, LING Li, #SU Jianjun, #SONG Yun, WANG Zhaoyu, TANG Ben Zhong, WESTERHOFF Paul, YE Ruquan, "Laser-Engineered Graphene on Wood Enables Efficient Antibacterial, Anti-Salt-Fouling, and Lipophilic-Matter-Rejection Solar Evaporation", <i>ACS Applied Materials and Interfaces</i> , 12(46), 09 November 2020, pp 51864–51872, doi: <a href="https://doi.org/10.1021/acscami.0c16596">https://doi.org/10.1021/acscami.0c16596</a> .
	#HUANG Libei, #SU Jianjun, #SONG Yun, YE Ruquan, "Laser-Induced Graphene: En Route to Smart Sensing", <i>Nano-Micro Letters</i> , 12(1), 03 August 2020, doi: <a href="https://doi.org/10.1007/s40820-020-00496-0">https://doi.org/10.1007/s40820-020-00496-0</a> .
	#CHENG Le, #GUO Weihua, #CAO Xiaohu, #DOU Yubing, #HUANG Libei, #SONG Yun, #SU Jianjun, ZENG Zhiyuan, YE Ruquan, "Laser-induced graphene for environmental applications: progress and opportunities", <i>Materials Chemistry Frontiers</i> , 26 April 2021, doi: <a href="https://doi.org/10.1039/d1qm00437a">https://doi.org/10.1039/d1qm00437a</a> .
<b>SUN Qidi</b>	#SUN Qidi, TAM Fung Yee Nora, HAN Jie, PENG Yung-kang, ZHU Zonglong, CHEN Jianlin, "A simple paper-based colorimetric analytical device for rapid detection of <i>Enterococcus faecalis</i>

## Section A: Publications of PhD Students

	<p>under the stress of chlorophenols", <i>Talanta</i>, 225, 05 December 2020, doi: <a href="https://doi.org/10.1016/j.talanta.2020.121966">https://doi.org/10.1016/j.talanta.2020.121966</a>.</p> <p>#<a href="#">LIU Yizhe</a>, #<a href="#">WU Xin</a>, <a href="#">GUO X.</a>, <a href="#">LEE Ka Chun</a>, #<a href="#">SUN Qidi</a>, #<a href="#">LI Xintong</a>, <a href="#">ZHANG C.</a>, <a href="#">WANG Z.</a>, <a href="#">HU J.</a>, <a href="#">ZHU Y.</a>, <a href="#">LEUNG Kwok Hi Michael</a>, <a href="#">ZHU Zonglong</a>, "Modulated FeCo nanoparticle in situ growth on the carbon matrix for high-performance oxygen catalysts", <i>Materials Today Energy</i>, 19, 06 December 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100610">https://doi.org/10.1016/j.mtener.2020.100610</a>.</p>
<b>TAM Dick Yan</b>	<p>#<a href="#">LEUNG Hoi Man</a>, #<a href="#">LAU Cia Hin</a>, <a href="#">HO Jonathan Weng-Thim</a>, <a href="#">CHAN Miu Shan</a>, #<a href="#">CHANG Tristan Juin Han</a>, #<a href="#">LAW Lok Hin</a>, #<a href="#">WANG Fei</a>, #<a href="#">TAM Dick Yan</a>, #<a href="#">LIU Ling Sum</a>, <a href="#">CHAN Wai Yan Kannie</a>, <a href="#">TIN Chung</a>, <a href="#">LO Pik Kwan Peggy</a>, "Targeted brain tumor imaging by using discrete biopolymer-coated nanodiamonds across the blood-brain barrier", <i>Nanoscale</i>, 13(5), 02 January 2021, pp 3184-3193, doi: <a href="https://doi.org/10.1039/d0nr06765b">https://doi.org/10.1039/d0nr06765b</a>.</p>
<b>TAM Nathan Yi Kan</b>	<p><a href="#">LAI Keng Po</a>, <a href="#">LIN Xiao</a>, #<a href="#">TAM Nathan Yi Kan</a>, <a href="#">HO Cheuk Hin</a>, <a href="#">WONG Marty Kwok-Shing</a>, <a href="#">GU Jie</a>, <a href="#">CHAN Ting Fung</a>, <a href="#">TSE William Ka-Fai</a>, "Osmotic stress induces gut microbiota community shift in fish", <i>Environmental Microbiology</i>, 22(9), 02 July 2020, doi: <a href="https://doi.org/10.1111/1462-2920.15150">https://doi.org/10.1111/1462-2920.15150</a>.</p> <p><a href="#">LAI Keng Po</a>, #<a href="#">TAM Nathan Yi Kan</a>, <a href="#">WANG Simon Yuan</a>, <a href="#">TSE William Ka-Fai</a>, <a href="#">LIN Xiao</a>, <a href="#">CHAN Ting Fung</a>, <a href="#">TONG Yin</a>, <a href="#">ZHANG Jianwen</a>, <a href="#">AU Wai Ting Doris</a>, <a href="#">WU Shiu Sun Rudolf</a>, <a href="#">KONG Yuen Chong Richard</a>, "Proteomic Response of the Brain to Hypoxic Stress in Marine Medaka Fish (<i>Oryzias melastigma</i>)", <i>Frontiers in Marine Science</i>, 8, 28 May 2021, doi: <a href="https://doi.org/10.3389/fmars.2021.618489">https://doi.org/10.3389/fmars.2021.618489</a>.</p>
<b>TAN Jihua</b>	<p>#<a href="#">TIAN Shuang</a>, #<a href="#">HUANG Zhongming</a>, #<a href="#">TAN Jihua</a>, #<a href="#">CUI Xiao</a>, #<a href="#">XIAO Yafang</a>, #<a href="#">WAN Yingpeng</a>, #<a href="#">LI Xiaozhen</a>, #<a href="#">ZHAO Qi</a>, <a href="#">LI Shengliang</a>, <a href="#">LEE Chun Sing</a>, "Manipulating Interfacial Charge-Transfer Absorption of Cocrystal Absorber for Efficient Solar Seawater Desalination and Water Purification", <i>ACS Energy Letters</i>, 5(8), 28 July 2020, pp 2698-2705, doi: <a href="https://doi.org/10.1021/acseenergylett.0c01466">https://doi.org/10.1021/acseenergylett.0c01466</a>.</p> <p>#<a href="#">CAO Chen</a>, <a href="#">YANG G. X.</a>, #<a href="#">TAN Jihua</a>, #<a href="#">SHEN Dong</a>, <a href="#">CHEN Wencheng</a>, <a href="#">CHEN Jiaxiong</a>, #<a href="#">LIANG Jianli</a>, #<a href="#">ZHU Zelin</a>, <a href="#">LIU Shihao</a>, <a href="#">TONG Qingxiao</a>, <a href="#">LEE Chun Sing</a>, "Deep-blue high-efficiency triplet-triplet annihilation organic light-emitting diodes using donor- and acceptor-modified anthracene fluorescent emitters", <i>Materials Today Energy</i>, 21, 24 March 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100727">https://doi.org/10.1016/j.mtener.2021.100727</a>.</p> <p><a href="#">YANG Meizhu</a>, #<a href="#">TAN Jihua</a>, <a href="#">XING Longjiang</a>, <a href="#">QIU Zhipeng</a>, #<a href="#">CAO Chen</a>, <a href="#">CHEN Wencheng</a>, <a href="#">YANG Qin-Dan</a>, <a href="#">JI Shaomin</a>, <a href="#">HUO Yanping</a>, <a href="#">LEE Chun Sing</a>, "A sterically shielded design on anthracene-based emitters for efficient deep-blue organic light-emitting diodes", <i>Journal of Molecular Structure</i>, 1232, 31 January 2021, doi: <a href="https://doi.org/10.1016/j.molstruc.2021.130035">https://doi.org/10.1016/j.molstruc.2021.130035</a>.</p> <p>#<a href="#">LI Xiaozhen</a>, #<a href="#">ZHANG Di</a>, <a href="#">YIN Chao</a>, <a href="#">LU Guihong</a>, #<a href="#">WAN Yingpeng</a>, #<a href="#">HUANG Zhongming</a>, #<a href="#">TAN Jihua</a>, <a href="#">LI Shengliang</a>, <a href="#">LUO Jingdong</a>, <a href="#">LEE Chun Sing</a>, "A Diradicaloid Small Molecular Nanotheranostic with Strong Near-Infrared Absorbance for Effective Cancer Photoacoustic Imaging and Photothermal Therapy", <i>ACS Applied Materials &amp; Interfaces</i>, 13(14), 31 March 2021, pp 15983-15991, doi: <a href="https://doi.org/10.1021/acsaami.0c21889">https://doi.org/10.1021/acsaami.0c21889</a>.</p> <p>#<a href="#">LI Xiaozhen</a>, <a href="#">FANG Fang</a>, <a href="#">SUN Bo</a>, <a href="#">YIN Chao</a>, #<a href="#">TAN Jihua</a>, #<a href="#">WAN Yingpeng</a>, <a href="#">ZHANG Jinfeng</a>, <a href="#">SUN Pengfei</a>, <a href="#">FAN Quli</a>, <a href="#">WANG Pengfei</a>, <a href="#">LI Shengliang</a>, <a href="#">LEE Chun Sing</a>, "Near-infrared small molecule coupled with rigidity and flexibility for high-performance multimodal imaging-guided photodynamic and photothermal synergistic therapy", <i>Nanoscale Horizons</i>, 6(2), 16 December 2020, pp 177-185, doi: <a href="https://doi.org/10.1039/d0nh00672f">https://doi.org/10.1039/d0nh00672f</a>.</p> <p>#<a href="#">ZHU Zhaohua</a>, #<a href="#">WU Yan</a>, <a href="#">SHEN Yang</a>, #<a href="#">TAN Jihua</a>, #<a href="#">SHEN Dong</a>, <a href="#">LO Raymond</a>, #<a href="#">LI Menglin</a>, <a href="#">YUAN Yi</a>, <a href="#">TANG Jianxin</a>, <a href="#">ZHANG Wenjun</a>, <a href="#">TSANG Sai Wing</a>, <a href="#">GUAN Zhiqiang</a>, <a href="#">LEE Chun Sing</a>, "Highly Efficient Sky-Blue Perovskite Light-Emitting Diode Via Suppressing Nonradiative Energy Loss", <i>Chemistry of Materials</i>, 33(11), 27 May 2021, pp 4154-4162, doi: <a href="https://doi.org/10.1021/acs.chemmater.1c00903">https://doi.org/10.1021/acs.chemmater.1c00903</a>.</p> <p><a href="#">CHEN Jiaxiong</a>, <a href="#">WANG Kai</a>, #<a href="#">XIAO Yafang</a>, #<a href="#">CAO Chen</a>, #<a href="#">TAN Jihua</a>, <a href="#">WANG Hui</a>, <a href="#">FAN Xiao-Chun</a>, <a href="#">YU Jia</a>, <a href="#">GENG Feng-Xia</a>, <a href="#">ZHANG Xiao-hong</a>, <a href="#">LEE Chun Sing</a>, "Thermally Activated Delayed Fluorescence Warm White Organic Light Emitting Devices with External Quantum Efficiencies Over 30%", <i>Advanced Functional Materials</i>, 31 May 2021, doi: <a href="https://doi.org/10.1002/adfm.202101647">https://doi.org/10.1002/adfm.202101647</a>.</p>

## Section A: Publications of PhD Students

	<p>#ZHU Zelin, #TAN Jihua, CHEN Wencheng, YUAN Yi, FU Li-Wen, #CAO Chen, YOU Cheng-Ju, NI Shao-Fei, CHI Yun, LEE Chun Sing, "High Performance NIR OLEDs with Low Efficiency Roll-Off by Leveraging Os(II) Phosphors and Exciplex Co-Host", <i>Advanced Functional Materials</i>, 31(33), 13 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102787">https://doi.org/10.1002/adfm.202102787</a>.</p> <p>#XIAO Yafang, CHEN Jiexiong, CHEN Wencheng, ZHENG Xiuli, #CAO Chen, #TAN Jihua, #CUI Xiao, YUAN Zhanxiang, JI Shaomin, LU Guihong, LIU Weimin, WANG Pengfei, LI Shengliang, LEE Chun Sing, "Achieving high singlet-oxygen generation by applying the heavy-atom effect to thermally activated delayed fluorescent materials", <i>Chemical Communications</i>, 57(40), 12 April 2021, pp 4902-4905, doi: <a href="https://doi.org/10.1039/d0cc08323b">https://doi.org/10.1039/d0cc08323b</a>.</p> <p>#KANG Tianxing, #TAN Jihua, #LI Xiaocui, #LIANG Jianli, WANG Hui, #SHEN Dong, #WU Yan, #HUANG Zhongming, LU Yang, TONG Zhongqiu, LEE Chun Sing, "Armoring SiO<sub>x</sub> with a conformal LiF layer to boost lithium storage", <i>Journal of Materials Chemistry A</i>, 9(12), 19 February 2021, pp 7807-7816, doi: <a href="https://doi.org/10.1039/d0ta12508c">https://doi.org/10.1039/d0ta12508c</a>.</p> <p>#TIAN Shuang, BAI Haotian, LI Shengliang, #XIAO Yafang, #CUI Xiao, #LI Xiaozhen, #TAN Jihua, #HUANG Zhongming, #SHEN Dong, LIU Weimin, WANG Pengfei, TANG Ben Zhong, LEE Chun Sing, "Water-Soluble Organic Nanoparticles with Programable Intermolecular Charge Transfer for NIR-II Photothermal Anti-Bacterial Therapy", <i>Angewandte Chemie (International Edition)</i>, 60(21), 16 March 2021, pp 11758-11762, doi: <a href="https://doi.org/10.1002/anie.202101406">https://doi.org/10.1002/anie.202101406</a>.</p> <p>#ZHAO Qi, #HUANG Zhongming, #WAN Yingpeng, #TAN Jihua, #CAO Chen, LI Shengliang, LEE Chun Sing, "Multifunctional oligomer sponge for efficient solar water purification and oil cleanup", <i>Journal of Materials Chemistry A</i>, 9(4), 04 January 2021, pp 2104-2110, doi: <a href="https://doi.org/10.1039/d0ta10798k">https://doi.org/10.1039/d0ta10798k</a>.</p>
TAN Zicong	#TAN Zicong, #ZHANG Jieru, #CHEN Yu Cheng, PENG Yung-kang, CHOU Jyh-Pin, "Unravelling the Role of Structural Geometry and Chemical State of Well-Defined Oxygen Vacancies on Pristine CeO <sub>2</sub> for H <sub>2</sub> O <sub>2</sub> Activation", <i>Journal of Physical Chemistry Letters</i> , 11(14), 16 July 2020, pp 5390-5396, doi: <a href="https://doi.org/10.1021/acs.jpcclett.0c01557">https://doi.org/10.1021/acs.jpcclett.0c01557</a> .
TAO Danyang	LIU Yuan, ZHANG Kai, XU Shaopeng, YAN Meng, #TAO Danyang, CHEN Luolu, WEI Yong, WU Chenxi, LIU Guijian, LAM Kwan Sing Paul, "Heavy metals in the "plastisphere" of marine microplastics: adsorption mechanisms and composite risk", <i>Gondwana Research</i> , 30 June 2021, doi: <a href="https://doi.org/10.1016/j.gr.2021.06.017">https://doi.org/10.1016/j.gr.2021.06.017</a> .
THI Quoc Huy	<p>#THI Quoc Huy, WONG Lok Wing, #LIU Haijun, LEE Chun Sing, ZHAO Jiong, LY Thuc Hue, "Spontaneously Ordered Hierarchical Two-Dimensional Wrinkle Patterns in Two-Dimensional Materials", <i>Nano Letters</i>, 20(11), 26 October 2020, pp 8420-8425, doi: <a href="https://doi.org/10.1021/acs.nanolett.0c03819">https://doi.org/10.1021/acs.nanolett.0c03819</a>.</p> <p>#HUANG Lingli, YANG Tiefeng, WONG Lok Wing, ZHENG Fangyuan, #CHEN Xin, LAI Ka Hei, #LIU Haijun, #THI Quoc Huy, #SHEN Dong, LEE Chun Sing, DENG Qingming, ZHAO Jiong, LY Thuc Hue, "Redox Photochemistry on Van Der Waals Surfaces for Reversible Doping in 2D Materials", <i>Advanced Functional Materials</i>, 31(16), 17 February 2021, doi: <a href="https://doi.org/10.1002/adfm.202009166">https://doi.org/10.1002/adfm.202009166</a>.</p> <p>#HUANG Lingli, #THI Quoc Huy, ZHENG Fangyuan, #CHEN Xin, #CHU Yee Wa, LEE Chun Sing, ZHAO Jiong, LY Thuc Hue, "Catalyzed Kinetic Growth in Two-Dimensional MoS<sub>2</sub>", <i>Journal of the American Chemical Society</i>, 142(30), 02 July 2020, pp 13130-13135, doi: <a href="https://doi.org/10.1021/jacs.0c05057">https://doi.org/10.1021/jacs.0c05057</a>.</p> <p>#HUANG Lingli, ZHENG Fangyuan, CHEN Honglin, #THI Quoc Huy, CHEN Xin, #LIU Haijun, LEE Chun Sing, DENG Qingming, ZHAO Jiong, LY Thuc Hue, "Mechanical origin of martensite-like structures in two-dimensional ReS<sub>2</sub>", <i>Communications Materials</i>, 2, 2021, doi: <a href="https://doi.org/10.1038/s43246-021-00190-7">https://doi.org/10.1038/s43246-021-00190-7</a>.</p> <p>#HUANG Lingli, ZHENG Fangyuan, DENG Qingming, #THI Quoc Huy, WONG Lok Wing, CAI Yuan, WANG Ning, LEE Chun Sing, LAU Shu-Ping, CHHOWALLA Manish, LI Ju, LY Thuc Hue, ZHAO Jiong, "In Situ Scanning Transmission Electron Microscopy Observations of Fracture at the Atomic Scale", <i>Physical Review Letters</i>, 125(24), 09 December 2020, doi: <a href="https://doi.org/10.1103/PhysRevLett.125.246102">https://doi.org/10.1103/PhysRevLett.125.246102</a>.</p> <p>#HUANG Lingli, ZHENG Fangyuan, DENG Qingming, #THI Quoc Huy, WONG Lok Wing, CAI Yuan, WANG Ning, LEE Chun Sing, LAU Shu Ping, LY Thuc Hue, ZHAO Jiong, "Anomalous</p>

## Section A: Publications of PhD Students

	fracture in two-dimensional rhenium disulfide", <i>Science Advances</i> , 6(47), 18 November 2020, doi: <a href="https://doi.org/10.1126/sciadv.abc2282">https://doi.org/10.1126/sciadv.abc2282</a> .
<b>TIAN Shuang</b>	# <a href="#">TIAN Shuang</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">TAN Jihua</a> , # <a href="#">CUI Xiao</a> , # <a href="#">XIAO Yafang</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">LI Xiaozhen</a> , # <a href="#">ZHAO Qi</a> , <a href="#">LI Shengliang</a> , <a href="#">LEE Chun Sing</a> , "Manipulating Interfacial Charge-Transfer Absorption of Cocrystal Absorber for Efficient Solar Seawater Desalination and Water Purification", <i>ACS Energy Letters</i> , 5(8), 28 July 2020, pp 2698-2705, doi: <a href="https://doi.org/10.1021/acseenergylett.0c01466">https://doi.org/10.1021/acseenergylett.0c01466</a> .
	# <a href="#">ZHAO Qi</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">TIAN Shuang</a> , # <a href="#">CUI Xiao</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">LI Xiaozhen</a> , # <a href="#">XIAO Yafang</a> , <a href="#">LI Shengliang</a> , <a href="#">LEE Chun Sing</a> , "Superwetting B <sub>4</sub> C bilayer foam for high cost-performance solar water purification", <i>Materials Today Energy</i> , 18, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100498">https://doi.org/10.1016/j.mtener.2020.100498</a> .
	# <a href="#">XIAO Yafang</a> , <a href="#">XIANG Chenyang</a> , <a href="#">LI Shengliang</a> , <a href="#">MAO Cong</a> , <a href="#">CHEN Haoting</a> , <a href="#">CHEN Jia-Xiong</a> , # <a href="#">TIAN Shuang</a> , # <a href="#">CUI Xiao</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">LI Xiaozhen</a> , <a href="#">ZHANG Xiao Hong</a> , <a href="#">GUO Weisheng</a> , <a href="#">LEE Chun Sing</a> , "Single-Photomolecular Nanotheranostics for Synergetic Near-Infrared Fluorescence and Photoacoustic Imaging-Guided Highly Effective Photothermal Ablation", <i>Small</i> , 16(34), 22 July 2020, doi: <a href="https://doi.org/10.1002/smll.202002672">https://doi.org/10.1002/smll.202002672</a> .
	# <a href="#">CUI Xiao</a> , <a href="#">LU Guihong</a> , <a href="#">FANG Fang</a> , <a href="#">XIONG Yuan</a> , # <a href="#">TIAN Shuang</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">XIAO Yafang</a> , # <a href="#">SHEN Dong</a> , <a href="#">WANG Hui</a> , <a href="#">ZHANG Jinfeng</a> , <a href="#">LEE Chun Sing</a> , "Iron Self-Boosting Polymer Nanoenzyme for Low-Temperature Photothermal-Enhanced Ferrotherapy", <i>ACS Applied Materials and Interfaces</i> , 13(26), 25 June 2021, pp 30274–30283, doi: <a href="https://doi.org/10.1021/acsaami.1c01658">https://doi.org/10.1021/acsaami.1c01658</a> .
	<a href="#">CHELORA VEETIL Jipsa</a> , <a href="#">LIANG Yuchao</a> , <a href="#">WEI Wei-Chih</a> , # <a href="#">CUI Xiao</a> , # <a href="#">XIAO Yafang</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">TIAN Shuang</a> , <a href="#">LI Shengliang</a> , <a href="#">HUANG Yi-Hsuan</a> , <a href="#">WONG Ken-Tsung</a> , <a href="#">LEE Chun Sing</a> , "Single molecular nanomedicine with NIR light-initiated superoxide radical, singlet oxygen and thermal generation for hypoxia-overcoming cancer therapy", <i>Nanoscale</i> , 13(17), 07 April 2021, pp 8012–8016, doi: <a href="https://doi.org/10.1039/d1nr01094h">https://doi.org/10.1039/d1nr01094h</a> .
	# <a href="#">TIAN Shuang</a> , <a href="#">BAI Haotian</a> , <a href="#">LI Shengliang</a> , # <a href="#">XIAO Yafang</a> , # <a href="#">CUI Xiao</a> , # <a href="#">LI Xiaozhen</a> , # <a href="#">TAN Jihua</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">SHEN Dong</a> , <a href="#">LIU Weimin</a> , <a href="#">WANG Pengfei</a> , <a href="#">TANG Ben Zhong</a> , <a href="#">LEE Chun Sing</a> , "Water-Soluble Organic Nanoparticles with Programable Intermolecular Charge Transfer for NIR-II Photothermal Anti-Bacterial Therapy", <i>Angewandte Chemie (International Edition)</i> , 60(21), 16 March 2021, pp 11758-11762, doi: <a href="https://doi.org/10.1002/anie.202101406">https://doi.org/10.1002/anie.202101406</a> .
<b>UMAR Mubarak Ishaq</b>	<a href="#">YANG Xiaofei</a> , <a href="#">CHEEMA Jitender</a> , <a href="#">ZHANG Yueying</a> , <a href="#">DENG Hongjing</a> , <a href="#">DUNCAN Susan</a> , # <a href="#">UMAR Mubarak Ishaq</a> , # <a href="#">ZHAO Jieyu</a> , <a href="#">LIU Qi</a> , <a href="#">CAO Xiaofeng</a> , <a href="#">KWOK Chun Kit</a> , <a href="#">DING Yiliang</a> , "RNA G-quadruplex structures exist and function in vivo in plants", <i>Genome Biology</i> , 21, 01 September 2020, doi: <a href="https://doi.org/10.1186/s13059-020-02142-9">https://doi.org/10.1186/s13059-020-02142-9</a> .
	# <a href="#">UMAR Mubarak Ishaq</a> , <a href="#">KWOK Chun Kit</a> , "Specific suppression of D-RNA G-quadruplex-protein interaction with an L-RNA aptamer", <i>Nucleic Acids Research</i> , 48(18), 25 September 2020, pp 10125-10141, doi: <a href="https://doi.org/10.1093/nar/gkaa759">https://doi.org/10.1093/nar/gkaa759</a> .
<b>WAN Teng</b>	<a href="#">HU Chenyan</a> , <a href="#">LIU Mengyuan</a> , # <a href="#">WAN Teng</a> , <a href="#">TANG Lizhu</a> , <a href="#">SUN Baili</a> , <a href="#">LAM James C.W.</a> , <a href="#">LAM Kwan Sing Paul</a> , <a href="#">CHEN Lianguo</a> , <a href="#">ZHOU Bingsheng</a> , "Disturbances in Microbial and Metabolic Communication across the Gut–Liver Axis Induced by a Dioxin-like Pollutant: An integrated metagenomics and metabolomics analysis", <i>Environmental Science and Technology</i> , 55(1), 23 December 2020, pp 529–537, doi: <a href="https://doi.org/10.1021/acs.est.0c06884">https://doi.org/10.1021/acs.est.0c06884</a> .
	# <a href="#">MO Jiezhong</a> , <a href="#">AU Wai Ting Doris</a> , # <a href="#">WAN Teng</a> , # <a href="#">SHI Jingchun</a> , <a href="#">ZHANG Ge</a> , <a href="#">WINKLER Christoph</a> , <a href="#">KONG Yuen Chong Richard</a> , <a href="#">SEEMANN Frauke</a> , "Multigenerational Impacts of Benzo[a]pyrene on Bone Modeling and Remodeling in Medaka ( <i>Oryzias latipes</i> )", <i>Environmental Science &amp; Technology</i> , 54(19), 25 August 2020, pp 12271-12284, doi: <a href="https://doi.org/10.1021/acs.est.0c02416">https://doi.org/10.1021/acs.est.0c02416</a> .
<b>WAN Yingpeng</b>	# <a href="#">TIAN Shuang</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">TAN Jihua</a> , # <a href="#">CUI Xiao</a> , # <a href="#">XIAO Yafang</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">LI Xiaozhen</a> , # <a href="#">ZHAO Qi</a> , <a href="#">LI Shengliang</a> , <a href="#">LEE Chun Sing</a> , "Manipulating Interfacial Charge-Transfer Absorption of Cocrystal Absorber for Efficient Solar Seawater Desalination and Water Purification", <i>ACS Energy Letters</i> , 5(8), 28 July 2020, pp 2698-2705, doi: <a href="https://doi.org/10.1021/acseenergylett.0c01466">https://doi.org/10.1021/acseenergylett.0c01466</a> .

## Section A: Publications of PhD Students

#HUANG Zhongming, LUO Yu-Hui, GENG Wu-Yue, #WAN Yingpeng, LI Shengliang, LEE Chun Sing, "Marriage of 2D Covalent–Organic Framework and 3D Network as Stable Solar–Thermal Still for Efficient Solar Steam Generation", <i>Small Methods</i> , 5(5), 09 April 2021, doi: <a href="https://doi.org/10.1002/smtd.202100036">https://doi.org/10.1002/smtd.202100036</a> .
#LEE Ka Wai, #WAN Yingpeng, #LI Xiaozhen, #CUI Xiao, LI Shengliang, LEE Chun Sing, "Recent Progress of Alkyl Radicals Generation-Based Agents for Biomedical Applications", <i>Advanced Healthcare Materials</i> , 10(10), 18 March 2021, doi: <a href="https://doi.org/10.1002/adhm.202100055">https://doi.org/10.1002/adhm.202100055</a> .
#ZHAO Qi, #HUANG Zhongming, #TIAN Shuang, #CUI Xiao, #WAN Yingpeng, #LI Xiaozhen, #XIAO Yafang, LI Shengliang, LEE Chun Sing, "Superwetting B&C bilayer foam for high cost-performance solar water purification", <i>Materials Today Energy</i> , 18, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100498">https://doi.org/10.1016/j.mtener.2020.100498</a> .
#WAN Yingpeng, LU Guihong, WEI Wei-Chih, HUANG Yi-Hsuan, LI Shengliang, CHEN Jiexiong, #CUI Xiao, #XIAO Yafang, #LI Xiaozhen, LIU Yanhong, MENG Xiangmin, WANG Pengfei, XIE Hai-Yan, ZHANG Jinfeng, WONG Ken-Tsung, LEE Chun Sing, "Stable Organic Photosensitizer Nanoparticles with Absorption Peak beyond 800 Nanometers and High Reactive Oxygen Species Yield for Multimodality Phototheranostics", <i>ACS Nano</i> , 14(8), 24 July 2020, pp 9917–9928, doi: <a href="https://doi.org/10.1021/acsnano.0c02767">https://doi.org/10.1021/acsnano.0c02767</a> .
#XIAO Yafang, XIANG Chenyang, LI Shengliang, MAO Cong, CHEN Haoting, CHEN Jia-Xiong, #TIAN Shuang, #CUI Xiao, #WAN Yingpeng, #HUANG Zhongming, #LI Xiaozhen, ZHANG Xiao Hong, GUO Weisheng, LEE Chun Sing, "Single-Photomolecular Nanotheranostics for Synergetic Near-Infrared Fluorescence and Photoacoustic Imaging-Guided Highly Effective Photothermal Ablation", <i>Small</i> , 16(34), 22 July 2020, doi: <a href="https://doi.org/10.1002/smll.202002672">https://doi.org/10.1002/smll.202002672</a> .
#LI Xiaozhen, #ZHANG Di, YIN Chao, LU Guihong, #WAN Yingpeng, #HUANG Zhongming, #TAN Jihua, LI Shengliang, LUO Jingdong, LEE Chun Sing, "A Diradicaloid Small Molecular Nanotheranostic with Strong Near-Infrared Absorbance for Effective Cancer Photoacoustic Imaging and Photothermal Therapy", <i>ACS Applied Materials &amp; Interfaces</i> , 13(14), 31 March 2021, pp 15983–15991, doi: <a href="https://doi.org/10.1021/acscami.0c21889">https://doi.org/10.1021/acscami.0c21889</a> .
#LI Xiaozhen, FANG Fang, SUN Bo, YIN Chao, #TAN Jihua, #WAN Yingpeng, ZHANG Jinfeng, SUN Pengfei, FAN Quli, WANG Pengfei, LI Shengliang, LEE Chun Sing, "Near-infrared small molecule coupled with rigidity and flexibility for high-performance multimodal imaging-guided photodynamic and photothermal synergistic therapy", <i>Nanoscale Horizons</i> , 6(2), 16 December 2020, pp 177–185, doi: <a href="https://doi.org/10.1039/d0nh00672f">https://doi.org/10.1039/d0nh00672f</a> .
#CUI Xiao, #ZHAO Qi, #HUANG Zhongming, #XIAO Yafang, #WAN Yingpeng, LI Shengliang, LEE Chun Sing, "Water-Splitting Based and Related Therapeutic Effects: Evolving Concepts, Progress, and Perspectives", <i>Small</i> , 16(47), 30 October 2020, doi: <a href="https://doi.org/10.1002/smll.202004551">https://doi.org/10.1002/smll.202004551</a> .
#CUI Xiao, LU Guihong, FANG Fang, XIONG Yuan, #TIAN Shuang, #WAN Yingpeng, #XIAO Yafang, #SHEN Dong, WANG Hui, ZHANG Jinfeng, LEE Chun Sing, "Iron Self-Boosting Polymer Nanoenzyme for Low-Temperature Photothermal-Enhanced Ferrotherapy", <i>ACS Applied Materials and Interfaces</i> , 13(26), 25 June 2021, pp 30274–30283, doi: <a href="https://doi.org/10.1021/acscami.1c01658">https://doi.org/10.1021/acscami.1c01658</a> .
LI Shengliang, DENG Qingyuan, #ZHANG Yachao, #LI Xiaozhen, #WEN Guohua, #CUI Xiao, #WAN Yingpeng, HUANG Yongwei, CHEN Jiexiong, LIU Zhonghua, WANG Lidai, LEE Chun Sing, "Rational Design of Conjugated Small Molecules for Superior Photothermal Theranostics in the NIR-II Biowindow", <i>Advanced Materials</i> , 32(33), 06 July 2020, doi: <a href="https://doi.org/10.1002/adma.202001146">https://doi.org/10.1002/adma.202001146</a> .
#HUANG Zhongming, WEI Jinchao, #WAN Yingpeng, LI Peng, YU Jie, DONG Jiayi, WANG Shuangpeng, LI Shengliang, LEE Chun Sing, "Aligned Millineedle Arrays for Solar Power Seawater Desalination with Site-Specific Salt Formation", <i>Small</i> , 21 June 2021, doi: <a href="https://doi.org/10.1002/smll.202101487">https://doi.org/10.1002/smll.202101487</a> .
CHELORA VEETIL Jipsa, LIANG Yuchao, WEI Wei-Chih, #CUI Xiao, #XIAO Yafang, #WAN Yingpeng, #HUANG Zhongming, #TIAN Shuang, LI Shengliang, HUANG Yi-Hsuan, WONG Ken-Tsung, LEE Chun Sing, "Single molecular nanomedicine with NIR light-initiated superoxide

## Section A: Publications of PhD Students

	radical, singlet oxygen and thermal generation for hypoxia-overcoming cancer therapy", <i>Nanoscale</i> , 13(17), 07 April 2021, pp 8012-8016, doi: <a href="https://doi.org/10.1039/d1nr01094h">https://doi.org/10.1039/d1nr01094h</a> .
	<a href="#">#ZHAO Qi</a> , <a href="#">#HUANG Zhongming</a> , <a href="#">#WAN Yingpeng</a> , <a href="#">#TAN Jihua</a> , <a href="#">#CAO Chen</a> , <a href="#">#LI Shengliang</a> , <a href="#">#LEE Chun Sing</a> , "Multifunctional oligomer sponge for efficient solar water purification and oil cleanup", <i>Journal of Materials Chemistry A</i> , 9(4), 04 January 2021, pp 2104-2110, doi: <a href="https://doi.org/10.1039/d0ta10798k">https://doi.org/10.1039/d0ta10798k</a> .
<b>WANG Fei</b>	<a href="#">#LIU Ling Sum</a> , <a href="#">#WANG Fei</a> , <a href="#">#GE Yonghe</a> , <a href="#">#LO Pik Kwan Peggy</a> , "Recent Developments in Aptasensors for Diagnostic Applications", <i>ACS Applied Materials and Interfaces</i> , 13(8), 06 November 2020, pp 9329–9358, doi: <a href="https://doi.org/10.1021/acsami.0c14788">https://doi.org/10.1021/acsami.0c14788</a> .
	<a href="#">#LEUNG Hoi Man</a> , <a href="#">#LAU Cia Hin</a> , <a href="#">#HO Jonathan Weng-Thim</a> , <a href="#">#CHAN Miu Shan</a> , <a href="#">#CHANG Tristan Jun Han</a> , <a href="#">#LAW Lok Hin</a> , <a href="#">#WANG Fei</a> , <a href="#">#TAM Dick Yan</a> , <a href="#">#LIU Ling Sum</a> , <a href="#">#CHAN Wai Yan Kannie</a> , <a href="#">#TIN Chung</a> , <a href="#">#LO Pik Kwan Peggy</a> , "Targeted brain tumor imaging by using discrete biopolymer-coated nanodiamonds across the blood-brain barrier", <i>Nanoscale</i> , 13(5), 02 January 2021, pp 3184-3193, doi: <a href="https://doi.org/10.1039/d0nr06765b">https://doi.org/10.1039/d0nr06765b</a> .
<b>WANG Jing</b>	<a href="#">#WANG Jing</a> , <a href="#">#WU Xin</a> , <a href="#">#LIU Yizhe</a> , <a href="#">#QIN Tian</a> , <a href="#">#ZHANG Kaicheng</a> , <a href="#">#LI Ning</a> , <a href="#">#ZHAO Juan</a> , <a href="#">#YE Ruquan</a> , <a href="#">#FAN Zhanxi</a> , <a href="#">#CHI Zhenguo</a> , <a href="#">#ZHU Zonglong</a> , "Dopant-Free Hole-Transporting Material with Enhanced Intermolecular Interaction for Efficient and Stable n-i-p Perovskite Solar Cells", <i>Advanced Energy Materials</i> , 11(29), 17 June 2021, doi: <a href="https://doi.org/10.1002/aenm.202100967">https://doi.org/10.1002/aenm.202100967</a> .
<b>WANG Juan</b>	<a href="#">#YIN Jinwen</a> , <a href="#">#WANG Juan</a> , <a href="#">#MA Yangbo</a> , <a href="#">#YU Jinli</a> , <a href="#">#ZHOU Jingwen</a> , <a href="#">#FAN Zhanxi</a> , "Recent Advances in the Controlled Synthesis and Catalytic Applications of Two-Dimensional Rhodium Nanomaterials", <i>ACS Materials Letters</i> , 3(1), 17 December 2020, pp 121-133, doi: <a href="https://doi.org/10.1021/acsmaterialslett.0c00473">https://doi.org/10.1021/acsmaterialslett.0c00473</a> .
	<a href="#">#YU Jinli</a> , <a href="#">#WANG Juan</a> , <a href="#">#MA Yangbo</a> , <a href="#">#ZHOU Jingwen</a> , <a href="#">#WANG Yunhao</a> , <a href="#">#LU Pengyi</a> , <a href="#">#YIN Jinwen</a> , <a href="#">#YE Ruquan</a> , <a href="#">#ZHU Zonglong</a> , <a href="#">#FAN Zhanxi</a> , "Recent Progresses in Electrochemical Carbon Dioxide Reduction on Copper-Based Catalysts towards Multicarbon Products", <i>Advanced Functional Materials</i> , 31(37), 26 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102151">https://doi.org/10.1002/adfm.202102151</a> .
	<a href="#">#MA Yangbo</a> , <a href="#">#WANG Juan</a> , <a href="#">#YU Jinli</a> , <a href="#">#ZHOU Jingwen</a> , <a href="#">#ZHOU Xichen</a> , <a href="#">#LI Huangxu</a> , <a href="#">#HE Zhen</a> , <a href="#">#LONG Huiwu</a> , <a href="#">#WANG Yunhao</a> , <a href="#">#LU Pengyi</a> , <a href="#">#YIN Jinwen</a> , <a href="#">#SUN Hongyan</a> , <a href="#">#ZHANG Zhicheng</a> , <a href="#">#FAN Zhanxi</a> , "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i> , 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a> .
<b>WANG Ping</b>	<a href="#">#FENG Ling</a> , <a href="#">#WANG Ping</a> , <a href="#">#FENG Yi</a> , <a href="#">#ZHANG Jie</a> , <a href="#">#CHEN Qingxin</a> , <a href="#">#XIE Yusheng</a> , <a href="#">#LUO Jingdong</a> , <a href="#">#XIA Jiang</a> , <a href="#">#YAO Shao Q.</a> , <a href="#">#SUN Hongyan</a> , "A reversible microarray immobilization strategy based on thiol-quinone reaction", <i>Chinese Chemical Letters</i> , 29 June 2021, doi: <a href="https://doi.org/10.1016/j.ccl.2021.06.056">https://doi.org/10.1016/j.ccl.2021.06.056</a> .
<b>WANG Qi</b>	<a href="#">#WANG Qi</a> , <a href="#">#RUAN Yuefei Phoebe</a> , <a href="#">#JIN Linjie</a> , <a href="#">#LI Jing</a> , <a href="#">#HE Yuhe</a> , <a href="#">#LAM James C.W.</a> , <a href="#">#LAM Kwan Sing Paul</a> , <a href="#">#ZHANG Xiaohua</a> , <a href="#">#WEI Si</a> , "Target, Nontarget, and Suspect Screening and Temporal Trends of Per- and Polyfluoroalkyl Substances in Marine Mammals from the South China Sea", <i>Environmental Science and Technology</i> , 55(2), 04 January 2021, pp 1045-1056, doi: <a href="https://doi.org/10.1021/acs.est.0c06685">https://doi.org/10.1021/acs.est.0c06685</a> .
	<a href="#">#FARZANA Shazia</a> , <a href="#">#RUAN Yuefei Phoebe</a> , <a href="#">#WANG Qi</a> , <a href="#">#WU Rongben</a> , <a href="#">#ZHANG Kai</a> , <a href="#">#YAN Meng</a> , <a href="#">#LEUNG Mei Yee Kenneth</a> , <a href="#">#LAM Kwan Sing Paul</a> , "Developing interim water quality criteria for emerging chemicals of concern for protecting marine life in the Greater Bay Area of South China", <i>Marine Pollution Bulletin</i> , 161(Part B), 13 November 2020, doi: <a href="https://doi.org/10.1016/j.marpolbul.2020.111792">https://doi.org/10.1016/j.marpolbul.2020.111792</a> .
	<a href="#">#FENG Hongru</a> , <a href="#">#CHENG Yixue</a> , <a href="#">#RUAN Yuefei Phoebe</a> , <a href="#">#TSUI Mei Po Mirabelle</a> , <a href="#">#WANG Qi</a> , <a href="#">#JIN Jing</a> , <a href="#">#WU Rongben</a> , <a href="#">#ZHANG Haiyan</a> , <a href="#">#LAM Kwan Sing Paul</a> , "Occurrence and spatial distribution of legacy and novel brominated flame retardants in seawater and sediment of the South China sea", <i>Environmental Pollution</i> , 271, 18 December 2020, doi: <a href="https://doi.org/10.1016/j.envpol.2020.116324">https://doi.org/10.1016/j.envpol.2020.116324</a> .
	<a href="#">#CAO Yaru</a> , <a href="#">#WANG Qi</a> , <a href="#">#RUAN Yuefei Phoebe</a> , <a href="#">#WU Rongben</a> , <a href="#">#CHEN Luoluo</a> , <a href="#">#ZHANG Kai</a> , <a href="#">#LAM Kwan Sing Paul</a> , "Intra-day microplastic variations in wastewater: A case study of a sewage

## Section A: Publications of PhD Students

	<p>treatment plant in Hong Kong", <i>Marine Pollution Bulletin</i>, 160, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.marpolbul.2020.111535">https://doi.org/10.1016/j.marpolbul.2020.111535</a>.</p> <p>#<a href="#">WANG Qi</a>, <a href="#">ZHAO Zhen</a>, <a href="#">RUAN Yuefei Phoebe</a>, <a href="#">HUA Xia</a>, <a href="#">CHEN Hao</a>, <a href="#">WANG Yu</a>, <a href="#">JIN Litao</a>, <a href="#">TSUI Mei Po Mirabelle</a>, <a href="#">YAO Yiming</a>, <a href="#">LAM Kwan Sing Paul</a>, <a href="#">SUN Hongwen</a>, "Occurrence and seasonal distribution of legacy and emerging per- and polyfluoroalkyl substances (PFASs) in different environmental compartments from areas around ski resorts in northern China", <i>Journal of Hazardous Materials</i>, 407, 28 October 2020, doi: <a href="https://doi.org/10.1016/j.jhazmat.2020.124400">https://doi.org/10.1016/j.jhazmat.2020.124400</a>.</p>
<b>WANG Quan</b>	# <a href="#">WANG Quan</a> , <a href="#">YI Xianfeng</a> , # <a href="#">CHEN Yu Cheng</a> , <a href="#">XIAO Yao</a> , <a href="#">ZHENG Anmin</a> , <a href="#">CHEN Jian Lin</a> , <a href="#">PENG Yung-kang</a> , "Electronic-State Manipulation of Surface Titanium Activates Dephosphorylation over TiO <sub>2</sub> Near Room Temperature", <i>Angewandte Chemie: International Edition in English</i> , 60(29), 12 May 2021, pp 16149-16155, doi: <a href="https://doi.org/10.1002/anie.202104397">https://doi.org/10.1002/anie.202104397</a> .
<b>WANG Shanshan</b>	# <a href="#">WANG Shanshan</a> , <a href="#">LIU Guijian</a> , <a href="#">YUAN Zijiao</a> , <a href="#">LIU Yuan</a> , <a href="#">LAM Kwan Sing Paul</a> , "Spatial Variability and Source Apportionment of Aliphatic Hydrocarbons in Sediments from the Typical Coal Mining Area", <i>Bulletin of Environmental Contamination and Toxicology</i> , 105(2), 15 July 2020, pp 230-236, doi: <a href="https://doi.org/10.1007/s00128-020-02938-2">https://doi.org/10.1007/s00128-020-02938-2</a> .
<b>WANG Xixi</b>	<a href="#">WU Jinli</a> , # <a href="#">WANG Xixi</a> , <a href="#">JIANG Jun</a> , <a href="#">LIN Wanying</a> , <a href="#">ZHU Shan</a> , <a href="#">SHA Junwei</a> , <a href="#">MA Liying</a> , <a href="#">ZHAO Naiqin</a> , "In-situ synthesis of MoS <sub>2</sub> /Co <sub>9</sub> S <sub>8</sub> heterostructure for efficient HER electrocatalyst", <i>Materials Letters</i> , 292, 05 March 2021, doi: <a href="https://doi.org/10.1016/j.matlet.2021.129621">https://doi.org/10.1016/j.matlet.2021.129621</a> .
<b>WANG Yunhao</b>	# <a href="#">YU Jinli</a> , # <a href="#">WANG Juan</a> , # <a href="#">MA Yangbo</a> , # <a href="#">ZHOU Jingwen</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">LU Pengyi</a> , # <a href="#">YIN Jinwen</a> , <a href="#">YE Ruquan</a> , <a href="#">ZHU Zonglong</a> , <a href="#">FAN Zhanxi</a> , "Recent Progresses in Electrochemical Carbon Dioxide Reduction on Copper-Based Catalysts towards Multicarbon Products", <i>Advanced Functional Materials</i> , 31(37), 26 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102151">https://doi.org/10.1002/adfm.202102151</a> .
	# <a href="#">LU Pengyi</a> , # <a href="#">ZHOU Jingwen</a> , <a href="#">HU Yukun</a> , # <a href="#">YIN Jinwen</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">YU Jinli</a> , # <a href="#">MA Yangbo</a> , <a href="#">ZHU Zonglong</a> , <a href="#">ZENG Zhiyuan</a> , <a href="#">FAN Zhanxi</a> , "Gold-based Nanoalloys: Synthetic Methods and Catalytic Applications", <i>Journal of Materials Chemistry A</i> , 9(35), 09 June 2021, pp 19025-19053, doi: <a href="https://doi.org/10.1039/d1ta03646g">https://doi.org/10.1039/d1ta03646g</a> .
	<a href="#">PENG Mao</a> , # <a href="#">WANG Yunhao</a> , <a href="#">HAN You</a> , <a href="#">YE Chenliang</a> , <a href="#">ZOU Ji-Jun</a> , <a href="#">LI Wei</a> , <a href="#">ZHANG Jinli</a> , "Cu-Si bond and Cl defect synergistical catalysis for SiCl <sub>4</sub> dissociation on CuCl <sub>2</sub> (1 0 0): A DFT study", <i>Applied Surface Science</i> , 543, 21 December 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.148777">https://doi.org/10.1016/j.apsusc.2020.148777</a> .
	# <a href="#">MA Yangbo</a> , # <a href="#">WANG Juan</a> , # <a href="#">YU Jinli</a> , # <a href="#">ZHOU Jingwen</a> , # <a href="#">ZHOU Xichen</a> , # <a href="#">LI Huangxu</a> , # <a href="#">HE Zhen</a> , # <a href="#">LONG Huiwu</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">LU Pengyi</a> , # <a href="#">YIN Jinwen</a> , <a href="#">SUN Hongyan</a> , <a href="#">ZHANG Zhicheng</a> , <a href="#">FAN Zhanxi</a> , "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i> , 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a> .
<b>WEI Xingxing</b>	<a href="#">YANG Jiali</a> , <a href="#">MORI Takahiro</a> , # <a href="#">WEI Xingxing</a> , <a href="#">MATSUDA Yudai</a> , <a href="#">ABE Ikuro</a> , "Structural Basis for Isomerization Reactions in Fungal Tetrahydroxanthone Biosynthesis and Diversification", <i>Angewandte Chemie - International Edition</i> , 60(35), 28 June 2021, pp 19458-19465, doi: <a href="https://doi.org/10.1002/anie.202107884">https://doi.org/10.1002/anie.202107884</a> .
	<a href="#">TAO Hui</a> , <a href="#">MORI Takahiro</a> , # <a href="#">WEI Xingxing</a> , <a href="#">MATSUDA Yudai</a> , <a href="#">ABE Ikuro</a> , "One Polyketide Synthase, Two Distinct Products: Trans-Acting Enzyme-Controlled Product Divergence in Calbistrin Biosynthesis", <i>Angewandte Chemie - International Edition</i> , 60(16), 22 January 2021, pp 8851-8858, doi: <a href="https://doi.org/10.1002/anie.202016525">https://doi.org/10.1002/anie.202016525</a> .
	# <a href="#">WEI Xingxing</a> , <a href="#">CHEN Xiaoxuan</a> , # <a href="#">CHEN Lin</a> , # <a href="#">YAN Dexiu</a> , <a href="#">WANG Wei-Guang</a> , <a href="#">MATSUDA Yudai</a> , "Heterologous Biosynthesis of Tetrahydroxanthone Dimers: Determination of Key Factors for Selective or Divergent Synthesis", <i>Journal of Natural Products</i> , 84(5), 23 April 2021, pp 1544-1549, doi: <a href="https://doi.org/10.1021/acs.jnatprod.1c00022">https://doi.org/10.1021/acs.jnatprod.1c00022</a> .
	# <a href="#">WEI Xingxing</a> , # <a href="#">CHEN Lin</a> , <a href="#">TANG Jian-wei</a> , <a href="#">MATSUDA Yudai</a> , "Discovery of Pyranoviolin A and Its Biosynthetic Gene Cluster in <i>Aspergillus violaceofuscus</i> ", <i>Frontiers in Microbiology</i> , 11, 07 October 2020, doi: <a href="https://doi.org/10.3389/fmicb.2020.562063">https://doi.org/10.3389/fmicb.2020.562063</a> .
<b>WU Rongben</b>	# <a href="#">LAO Jiayong</a> , <a href="#">LI Ting-Yu</a> , # <a href="#">WU Rongben</a> , <a href="#">RUAN Yuefei Phoebe</a> , <a href="#">ZENG Eddy Y</a> , <a href="#">WU Jiaxue</a> , <a href="#">LAM Kwan Sing Paul</a> , "Tracing human footprint and the fate of atmospheric polycyclic aromatic hydrocarbons over the Pearl River Estuary, China: Importance of particle size", <i>Science of the</i>



## Section A: Publications of PhD Students

	<p><i>Total Environment</i>, 767, 02 January 2021, doi: <a href="https://doi.org/10.1016/j.scitotenv.2020.144267">https://doi.org/10.1016/j.scitotenv.2020.144267</a>.</p> <p>FARZANA Shazia, RUAN Yuefei Phoebe, #WANG Qi, #WU Rongben, ZHANG Kai, YAN Meng, LEUNG Mei Yee Kenneth, LAM Kwan Sing Paul, "Developing interim water quality criteria for emerging chemicals of concern for protecting marine life in the Greater Bay Area of South China", <i>Marine Pollution Bulletin</i>, 161(Part B), 13 November 2020, doi: <a href="https://doi.org/10.1016/j.marpolbul.2020.111792">https://doi.org/10.1016/j.marpolbul.2020.111792</a>.</p> <p>FENG Hongru, CHENG Yixue, RUAN Yuefei Phoebe, TSUI Mei Po Mirabelle, #WANG Qi, #JIN Jing, #WU Rongben, ZHANG Haiyan, LAM Kwan Sing Paul, "Occurrence and spatial distribution of legacy and novel brominated flame retardants in seawater and sediment of the South China sea", <i>Environmental Pollution</i>, 271, 18 December 2020, doi: <a href="https://doi.org/10.1016/j.envpol.2020.116324">https://doi.org/10.1016/j.envpol.2020.116324</a>.</p> <p>#WU Rongben, #LIN Huiju, YAMAZAKI Eriko, TANIYASU Sachi, SÖRENGÅRD Mattias, AHRENS Lutz, LAM Kwan Sing Paul, EUN Heesoo, YAMASHITA Nobuyoshi, "Simultaneous analysis of neutral and ionizable per- and polyfluoroalkyl substances in air", <i>Chemosphere</i>, 280, 28 April 2021, doi: <a href="https://doi.org/10.1016/j.chemosphere.2021.130607">https://doi.org/10.1016/j.chemosphere.2021.130607</a>.</p> <p>#WU Rongben, RUAN Yuefei Phoebe, #LIN Huiju, #YUEN Nim Tung Calista, FENG Hongru, LAM Kwan Sing Paul, "Occurrence and Fate of Psychiatric Pharmaceuticals in Wastewater Treatment Plants in Hong Kong: Enantiomeric Profiling and Preliminary Risk Assessment", <i>ACS ES&amp;T WATER</i>, 1(3), 17 December 2020, pp 542-552, doi: <a href="https://doi.org/10.1021/acsestwater.0c00081">https://doi.org/10.1021/acsestwater.0c00081</a>.</p> <p>#CAO Yaru, #WANG Qi, RUAN Yuefei Phoebe, #WU Rongben, CHEN Luoluo, ZHANG Kai, LAM Kwan Sing Paul, "Intra-day microplastic variations in wastewater: A case study of a sewage treatment plant in Hong Kong", <i>Marine Pollution Bulletin</i>, 160, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.marpolbul.2020.111535">https://doi.org/10.1016/j.marpolbul.2020.111535</a>.</p>
<b>WU Shengfan</b>	<p>#WU Shengfan, #LI Zhen, LI Muqing, #DIAO Yingxue, LIN Francis, #LIU Tiantian, ZHANG Jie, TIEU Peter, GAO Wenpei, #QI Feng, PAN Xiaoqing, XU Zhengtao, ZHU Zonglong, JEN Alex, "2D metal-organic framework for stable perovskite solar cells with minimized lead leakage", <i>Nature Nanotechnology</i>, 15(11), 21 September 2020, pp 934-940, doi: <a href="https://doi.org/10.1038/s41565-020-0765-7">https://doi.org/10.1038/s41565-020-0765-7</a>.</p> <p>#LI Zhen, ZHANG Jie, #WU Shengfan, #DENG Xiang, #LI Fengzhu, LIU Danjun, LEE Chia-Chen, LIN Francis, LEI Dangyuan, CHUEH Chu-Chen, ZHU Zonglong, JEN Alex, "Minimized surface deficiency on wide-bandgap perovskite for efficient indoor photovoltaics", <i>Nano Energy</i>, 78, 13 September 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105377">https://doi.org/10.1016/j.nanoen.2020.105377</a>.</p> <p>#LI Fengzhu, #DENG Xiang, #QI Feng, #LI Zhen, LIU Danjun, #SHEN Dong, QIN Minchao, #WU Shengfan, LIN Francis, JANG Sei-Hum, ZHANG Jie, LU Xinhui, LEI Dangyuan, LEE Chun Sing, ZHU Zonglong, JEN Alex, "Regulating Surface Termination for Efficient Inverted Perovskite Solar Cells with Greater Than 23% Efficiency", <i>Journal of the American Chemical Society</i>, 142(47), 16 November 2020, pp 20134-20142, doi: <a href="https://doi.org/10.1021/jacs.0c09845">https://doi.org/10.1021/jacs.0c09845</a>.</p> <p>ZHANG Linlin, KANG Cuiting, ZHANG Guizhi, PAN Zhenxiao, HUANG Zhaoshuai, XU Shuaihang, RAO Huashang, LIU Hongbin, #WU Shengfan, #WU Xin, LI Xiaosong, ZHU Zonglong, ZHONG Xinhua, JEN Alex, "All-Inorganic CsPbI<sub>3</sub> Quantum Dot Solar Cells with Efficiency over 16% by Defect Control", <i>Advanced Functional Materials</i>, 31(4), 21 October 2020, doi: <a href="https://doi.org/10.1002/adfm.202005930">https://doi.org/10.1002/adfm.202005930</a>.</p> <p>#WU Xin, #LIU Yizhe, #QI Feng, LIN Francis, FU Huiting, JIANG Kui, #WU Shengfan, #BI Leyu, #WANG Deng, XU Fang, JEN Alex, ZHU Zonglong, "Improved stability and efficiency of perovskite/organic tandem solar cells with an all-inorganic perovskite layer", <i>Journal of Materials Chemistry A</i>, 18 March 2021, doi: <a href="https://doi.org/10.1039/d0ta12286f">https://doi.org/10.1039/d0ta12286f</a>.</p> <p>JIANG Kui, ZHANG Jie, PENG Zhengxing, LIN Francis, #WU Shengfan, #LI Zhen, CHEN Yuzhong, YAN He, ADE Harald, ZHU Zonglong, JEN Alex, "Pseudo-bilayer architecture enables high-performance organic solar cells with enhanced exciton diffusion length", <i>Nature Communications</i>, 12, 20 January 2021, doi: <a href="https://doi.org/10.1038/s41467-020-20791-z">https://doi.org/10.1038/s41467-020-20791-z</a>.</p>
<b>WU Xin</b>	<p>FU Huiting, GAO Wei, LI Yuxiang, LIN Francis, #WU Xin, SON Jae Hoon, LUO Jingdong, WOO Han Young, ZHU Zonglong, JEN Alex, "A Generally Applicable Approach Using Sequential Deposition to Enable Highly Efficient Organic Solar Cells", <i>Small Methods</i>, 4(12), 13 September 2020, doi: <a href="https://doi.org/10.1002/smt.202000687">https://doi.org/10.1002/smt.202000687</a>.</p>

## Section A: Publications of PhD Students

	<p>#<u>LIU Yizhe</u>, #<u>WU Xin</u>, GUO X., <u>LEE Ka Chun</u>, #<u>SUN Qidi</u>, #<u>LI Xintong</u>, ZHANG C., WANG Z., HU J., ZHU Y., <u>LEUNG Kwok Hi Michael</u>, <u>ZHU Zonglong</u>, "Modulated FeCo nanoparticle in situ growth on the carbon matrix for high-performance oxygen catalysts", <i>Materials Today Energy</i>, 19, 06 December 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100610">https://doi.org/10.1016/j.mtener.2020.100610</a>.</p> <p>SUN Xianglang, #<u>LI Zhen</u>, YU Xinyu, #<u>WU Xin</u>, ZHONG Cheng, LIU Danjun, <u>LEI Dangyuan</u>, <u>JEN Alex</u>, LI Zhong'An, <u>ZHU Zonglong</u>, "Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridine-Based Dopant-Free Polymer Semiconductor", <i>Angewandte Chemie - International Edition</i>, 60(13), 28 December 2020, pp 7227-7233, doi: <a href="https://doi.org/10.1002/anie.202016085">https://doi.org/10.1002/anie.202016085</a>.</p> <p>#<u>LIU Tiantian</u>, <u>ZHANG Jie</u>, QIN Minchao, #<u>WU Xin</u>, #<u>LI Fengzhu</u>, LU Xinhui, <u>ZHU Zonglong</u>, <u>JEN Alex</u>, "Modifying Surface Termination of CsPbI<sub>3</sub> Grain Boundaries by 2D Perovskite Layer for Efficient and Stable Photovoltaics", <i>Advanced Functional Materials</i>, 04 February 2021, doi: <a href="https://doi.org/10.1002/adfm.202009515">https://doi.org/10.1002/adfm.202009515</a>.</p> <p>#<u>WANG Jing</u>, #<u>WU Xin</u>, #<u>LIU Yizhe</u>, QIN Tian, ZHANG Kaicheng, LI Ning, ZHAO Juan, <u>YE Ruquan</u>, <u>FAN Zhanxi</u>, CHI Zhenguo, <u>ZHU Zonglong</u>, "Dopant-Free Hole-Transporting Material with Enhanced Intermolecular Interaction for Efficient and Stable n-i-p Perovskite Solar Cells", <i>Advanced Energy Materials</i>, 11(29), 17 June 2021, doi: <a href="https://doi.org/10.1002/aenm.202100967">https://doi.org/10.1002/aenm.202100967</a>.</p> <p><u>GAO Wei</u>, <u>FU Huiting</u>, <u>LI Yuxiang</u>, <u>LIN Francis</u>, SUN Rui, WU Ziang, #<u>WU Xin</u>, ZHONG Cheng, MIN Jie, <u>LUO Jingdong</u>, WOO Han Young, <u>ZHU Zonglong</u>, <u>JEN Alex</u>, "Asymmetric Acceptors Enabling Organic Solar Cells to Achieve an over 17% Efficiency: Conformation Effects on Regulating Molecular Properties and Suppressing Nonradiative Energy Loss", <i>Advanced Energy Materials</i>, 11(4), 18 December 2020, doi: <a href="https://doi.org/10.1002/aenm.202003177">https://doi.org/10.1002/aenm.202003177</a>.</p> <p>ZHANG Linlin, KANG Cuiting, ZHANG Guizhi, PAN Zhenxiao, HUANG Zhaoshuai, XU Shuaihang, RAO Huashang, LIU Hongbin, #<u>WU Shengfan</u>, #<u>WU Xin</u>, LI Xiaosong, <u>ZHU Zonglong</u>, ZHONG Xinhua, <u>JEN Alex</u>, "All-Inorganic CsPbI<sub>3</sub> Quantum Dot Solar Cells with Efficiency over 16% by Defect Control", <i>Advanced Functional Materials</i>, 31(4), 21 October 2020, doi: <a href="https://doi.org/10.1002/adfm.202005930">https://doi.org/10.1002/adfm.202005930</a>.</p> <p>#<u>WU Xin</u>, #<u>LIU Yizhe</u>, #<u>QI Feng</u>, <u>LIN Francis</u>, <u>FU Huiting</u>, <u>JIANG Kui</u>, #<u>WU Shengfan</u>, #<u>BI Leyu</u>, #<u>WANG Deng</u>, XU Fang, <u>JEN Alex</u>, <u>ZHU Zonglong</u>, "Improved stability and efficiency of perovskite/organic tandem solar cells with an all-inorganic perovskite layer", <i>Journal of Materials Chemistry A</i>, 18 March 2021, doi: <a href="https://doi.org/10.1039/d0ta12286f">https://doi.org/10.1039/d0ta12286f</a>.</p>
<b>WU Yan</b>	<p><u>WANG Hui</u>, #<u>LIANG Jianli</u>, #<u>WU Yan</u>, #<u>KANG Tianxing</u>, #<u>SHEN Dong</u>, <u>TONG Zhongqiu</u>, #<u>YANG Rui</u>, <u>JIANG Yang</u>, WU Di, LI Xinjian, <u>LEE Chun Sing</u>, "Porous BN Nanofibers Enable Long-Cycling Life Sodium Metal Batteries", <i>Small</i>, 16(34), 21 July 2020, doi: <a href="https://doi.org/10.1002/smll.202002671">https://doi.org/10.1002/smll.202002671</a>.</p> <p>#<u>SHEN Dong</u>, #<u>WU Yan</u>, <u>LO Raymond</u>, <u>LEE Chun Sing</u>, "Charge transport properties of co-evaporated organic-inorganic thin film charge transfer complexes: effects of intermolecular interactions", <i>Journal of Materials Chemistry C</i>, 8(47), 12 October 2020, pp 16725-16729, doi: <a href="https://doi.org/10.1039/d0tc04278a">https://doi.org/10.1039/d0tc04278a</a>.</p> <p>#<u>ZHU Zhaohua</u>, #<u>WU Yan</u>, SHEN Yang, #<u>TAN Jihua</u>, #<u>SHEN Dong</u>, <u>LO Raymond</u>, #<u>LI Menglin</u>, <u>YUAN Yi</u>, TANG Jianxin, <u>ZHANG Wenjun</u>, <u>TSANG Sai Wing</u>, <u>GUAN Zhiqiang</u>, <u>LEE Chun Sing</u>, "Highly Efficient Sky-Blue Perovskite Light-Emitting Diode Via Suppressing Nonradiative Energy Loss", <i>Chemistry of Materials</i>, 33(11), 27 May 2021, pp 4154-4162, doi: <a href="https://doi.org/10.1021/acs.chemmater.1c00903">https://doi.org/10.1021/acs.chemmater.1c00903</a>.</p> <p><u>TONG Zhongqiu</u>, #<u>KANG Tianxing</u>, WU Jianming, #<u>YANG Rui</u>, #<u>WU Yan</u>, LIAN Ruqian, <u>WANG Hui</u>, TANG Yongbing, <u>LEE Chun Sing</u>, "Mechanisms of sodiation in anatase TiO<sub>2</sub> in terms of equilibrium thermodynamics and kinetics", <i>Nanoscale Advances</i>, 3(16), 25 June 2021, pp 4702-4713, doi: <a href="https://doi.org/10.1039/d1na00359c">https://doi.org/10.1039/d1na00359c</a>.</p> <p><u>WANG Hui</u>, #<u>WU Yan</u>, <u>LIU Shihao</u>, <u>JIANG Yang</u>, #<u>SHEN Dong</u>, #<u>KANG Tianxing</u>, <u>TONG Zhongqiu</u>, WU Di, LI Xinjian, <u>LEE Chun Sing</u>, "3D Ag@C Cloth for Stable Anode Free Sodium Metal Batteries", <i>Small Methods</i>, 5(4), 18 January 2021, doi: <a href="https://doi.org/10.1002/smt.202001050">https://doi.org/10.1002/smt.202001050</a>.</p> <p>#<u>WU Yan</u>, #<u>ZHU Zhaohua</u>, LI Yifan, #<u>SHEN Dong</u>, CHEN Lina, #<u>KANG Tianxing</u>, <u>LIN Xiaohang</u>, <u>TONG Zhongqiu</u>, <u>WANG Hui</u>, <u>LEE Chun Sing</u>, "Aqueous MnV<sub>2</sub>O<sub>6</sub>-Zn Battery with High</p>

## Section A: Publications of PhD Students

	Operating Voltage and Energy Density", <i>Small</i> , 17(28), 09 June 2021, doi: <a href="https://doi.org/10.1002/sml.202008182">https://doi.org/10.1002/sml.202008182</a> .
	#KANG Tianxing, #TAN Jihua, #LI Xiaocui, #LIANG Jianli, WANG Hui, #SHEN Dong, #WU Yan, #HUANG Zhongming, LU Yang, TONG Zhongqiu, LEE Chun Sing, "Armoring SiO <sub>x</sub> with a conformal LiF layer to boost lithium storage", <i>Journal of Materials Chemistry A</i> , 9(12), 19 February 2021, pp 7807-7816, doi: <a href="https://doi.org/10.1039/d0ta12508c">https://doi.org/10.1039/d0ta12508c</a> .
<b>XIAO Yafang</b>	#TIAN Shuang, #HUANG Zhongming, #TAN Jihua, #CUI Xiao, #XIAO Yafang, #WAN Yingpeng, #LI Xiaozhen, #ZHAO Qi, LI Shengliang, LEE Chun Sing, "Manipulating Interfacial Charge-Transfer Absorption of Cocystal Absorber for Efficient Solar Seawater Desalination and Water Purification", <i>ACS Energy Letters</i> , 5(8), 28 July 2020, pp 2698-2705, doi: <a href="https://doi.org/10.1021/acsenerylett.0c01466">https://doi.org/10.1021/acsenerylett.0c01466</a> .
	CHEN Jiexiong, #XIAO Yafang, WANG Kai, FAN Xiao-Chun, #CAO Chen, CHEN Wencheng, ZHANG Xiang, SHI Yi-Zhong, YU Jia, GENG Feng-Xia, ZHANG Xiao Hong, LEE Chun Sing, "Origin of thermally activated delayed fluorescence in a donor-acceptor type emitter with an optimized nearly planar geometry", <i>Journal of Materials Chemistry C</i> , 8(38), 20 August 2020, pp 13263-13269, doi: <a href="https://doi.org/10.1039/d0tc03747h">https://doi.org/10.1039/d0tc03747h</a> .
	#ZHAO Qi, #HUANG Zhongming, #TIAN Shuang, #CUI Xiao, #WAN Yingpeng, #LI Xiaozhen, #XIAO Yafang, LI Shengliang, LEE Chun Sing, "Superwetting B <sub>4</sub> C bilayer foam for high cost-performance solar water purification", <i>Materials Today Energy</i> , 18, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100498">https://doi.org/10.1016/j.mtener.2020.100498</a> .
	#CUI Xiao, LU Guihong, DONG Shengzhi, LI Shengliang, #XIAO Yafang, ZHANG Jingeng, LIU Yanhong, MENG Xiangmin, LI Feng, LEE Chun Sing, "Stable $\pi$ -radical nanoparticles as versatile photosensitizers for effective hypoxia-overcoming photodynamic therapy", <i>Materials Horizons</i> , 8(2), 05 November 2020, pp 571-576, doi: <a href="https://doi.org/10.1039/d0mh01312a">https://doi.org/10.1039/d0mh01312a</a> .
	#WAN Yingpeng, LU Guihong, WEI Wei-Chih, HUANG Yi-Hsuan, LI Shengliang, CHEN Jiexiong, #CUI Xiao, #XIAO Yafang, #LI Xiaozhen, LIU Yanhong, MENG Xiangmin, WANG Pengfei, XIE Hai-Yan, ZHANG Jinfeng, WONG Ken-Tsung, LEE Chun Sing, "Stable Organic Photosensitizer Nanoparticles with Absorption Peak beyond 800 Nanometers and High Reactive Oxygen Species Yield for Multimodality Phototheranostics", <i>ACS Nano</i> , 14(8), 24 July 2020, pp 9917-9928, doi: <a href="https://doi.org/10.1021/acsnano.0c02767">https://doi.org/10.1021/acsnano.0c02767</a> .
	#XIAO Yafang, CHEN Jiexiong, CHEN Wencheng, ZHENG Xiuli, #CAO Chen, #TAN Jihua, #CUI Xiao, YUAN Zhanxiang, JI Shaomin, LU Guihong, LIU Weimin, WANG Pengfei, LI Shengliang, LEE Chun Sing, "Achieving high singlet-oxygen generation by applying the heavy-atom effect to thermally activated delayed fluorescent materials", <i>Chemical Communications</i> , 57(40), 12 April 2021, pp 4902-4905, doi: <a href="https://doi.org/10.1039/d0cc08323b">https://doi.org/10.1039/d0cc08323b</a> .
	#XIAO Yafang, XIANG Chenyang, LI Shengliang, MAO Cong, CHEN Haoting, CHEN Jia-Xiong, #TIAN Shuang, #CUI Xiao, #WAN Yingpeng, #HUANG Zhongming, #LI Xiaozhen, ZHANG Xiao Hong, GUO Weisheng, LEE Chun Sing, "Single-Photomolecular Nanotheranostics for Synergetic Near-Infrared Fluorescence and Photoacoustic Imaging-Guided Highly Effective Photothermal Ablation", <i>Small</i> , 16(34), 22 July 2020, doi: <a href="https://doi.org/10.1002/sml.202002672">https://doi.org/10.1002/sml.202002672</a> .
	#CUI Xiao, #ZHAO Qi, #HUANG Zhongming, #XIAO Yafang, #WAN Yingpeng, LI Shengliang, LEE Chun Sing, "Water-Splitting Based and Related Therapeutic Effects: Evolving Concepts, Progress, and Perspectives", <i>Small</i> , 16(47), 30 October 2020, doi: <a href="https://doi.org/10.1002/sml.202004551">https://doi.org/10.1002/sml.202004551</a> .
	#CUI Xiao, LU Guihong, FANG Fang, XIONG Yuan, #TIAN Shuang, #WAN Yingpeng, #XIAO Yafang, #SHEN Dong, WANG Hui, ZHANG Jinfeng, LEE Chun Sing, "Iron Self-Boosting Polymer Nanoenzyme for Low-Temperature Photothermal-Enhanced Ferrotherapy", <i>ACS Applied Materials and Interfaces</i> , 13(26), 25 June 2021, pp 30274-30283, doi: <a href="https://doi.org/10.1021/acsaami.1c01658">https://doi.org/10.1021/acsaami.1c01658</a> .
	CHEN Jiexiong, WANG Kai, #XIAO Yafang, #CAO Chen, #TAN Jihua, WANG Hui, FAN Xiao-Chun, YU Jia, GENG Feng-Xia, ZHANG Xiao-hong, LEE Chun Sing, "Thermally Activated Delayed Fluorescence Warm White Organic Light Emitting Devices with External Quantum Efficiencies Over 30%", <i>Advanced Functional Materials</i> , 31 May 2021, doi: <a href="https://doi.org/10.1002/adfm.202101647">https://doi.org/10.1002/adfm.202101647</a> .

## Section A: Publications of PhD Students

	<p><u>CHELORA VEETIL</u> Jipsa, <u>LIANG Yuchao</u>, <u>WEI Wei-Chih</u>, #<u>CUI Xiao</u>, #<u>XIAO Yafang</u>, #<u>WAN Yingpeng</u>, #<u>HUANG Zhongming</u>, #<u>TIAN Shuang</u>, <u>LI Shengliang</u>, <u>HUANG Yi-Hsuan</u>, <u>WONG Ken-Tsung</u>, <u>LEE Chun Sing</u>, "Single molecular nanomedicine with NIR light-initiated superoxide radical, singlet oxygen and thermal generation for hypoxia-overcoming cancer therapy", <i>Nanoscale</i>, 13(17), 07 April 2021, pp 8012-8016, doi: <a href="https://doi.org/10.1039/d1nr01094h">https://doi.org/10.1039/d1nr01094h</a>.</p> <p><u>CHEN Jiexiong</u>, #<u>XIAO Yafang</u>, <u>WANG Kai</u>, <u>SUN Dianming</u>, <u>FAN Xiao-Chun</u>, <u>ZHANG Xiang</u>, <u>ZHANG Ming</u>, <u>SHI Yi-Zhong</u>, <u>YU Jia</u>, <u>GENG Feng-Xia</u>, <u>LEE Chun Sing</u>, <u>ZHANG Xiao Hong</u>, "Managing Locally Excited and Charge-Transfer Triplet States to Facilitate Up-Conversion in Red TADF Emitters That Are Available for Both Vacuum- and Solution-Processes", <i>Angewandte Chemie - International Edition</i>, 60(5), 20 October 2020, pp 2478-2484, doi: <a href="https://doi.org/10.1002/anie.202012070">https://doi.org/10.1002/anie.202012070</a>.</p> <p>#<u>TIAN Shuang</u>, <u>BAI Haotian</u>, <u>LI Shengliang</u>, #<u>XIAO Yafang</u>, #<u>CUI Xiao</u>, #<u>LI Xiaozhen</u>, #<u>TAN Jihua</u>, #<u>HUANG Zhongming</u>, #<u>SHEN Dong</u>, <u>LIU Weimin</u>, <u>WANG Pengfei</u>, <u>TANG Ben Zhong</u>, <u>LEE Chun Sing</u>, "Water-Soluble Organic Nanoparticles with Programable Intermolecular Charge Transfer for NIR-II Photothermal Anti-Bacterial Therapy", <i>Angewandte Chemie (International Edition)</i>, 60(21), 16 March 2021, pp 11758-11762, doi: <a href="https://doi.org/10.1002/anie.202101406">https://doi.org/10.1002/anie.202101406</a>.</p>
<b>XIONG Tengfei</b>	<u>LI Leilei</u> , <u>CHEN Long</u> , <u>WEN Yuehua</u> , # <u>XIONG Tengfei</u> , <u>XU Hong</u> , <u>ZHANG Wenfeng</u> , <u>CAO Gaoping</u> , <u>YANG Yusheng</u> , <u>MAI Liqiang</u> , <u>ZHANG Hao</u> , "Phenazine anodes for ultralongcycle-life aqueous rechargeable batteries", <i>Journal of Materials Chemistry A</i> , 8(48), 14 November 2020, pp 26013-26022, doi: <a href="https://doi.org/10.1039/d0ta08600b">https://doi.org/10.1039/d0ta08600b</a> .
<b>XU Guangxi</b>	# <u>XU Guangxi</u> , # <u>LEE Cho Cheung</u> , # <u>KWOK Wing Ching</u> , # <u>LEUNG Kam Keung</u> , # <u>ZHU Jinghui</u> , <u>LO Kam Wing Kenneth</u> , "Utilization of Rhenium(I) Polypyridine Complexes Featuring a Dinitrophenylsulfonamide Moiety as Biothiol-Selective Phosphorogenic Bioimaging Reagents and Photocytotoxic Agents", <i>European Journal of Inorganic Chemistry</i> , 15 June 2021, doi: <a href="https://doi.org/10.1002/ejic.202100364">https://doi.org/10.1002/ejic.202100364</a> .
<b>YAN Dexiu</b>	# <u>YAN Dexiu</u> , <u>MATSUDA Yudai</u> , "Genome Mining-Driven Discovery of 5-Methylorsellinate-Derived Meroterpenoids from <i>Aspergillus funiculosus</i> ", <i>Organic Letters</i> , 23(8), 06 April 2021, pp 3211-3215, doi: <a href="https://doi.org/10.1021/acs.orglett.1c00951">https://doi.org/10.1021/acs.orglett.1c00951</a> .
	# <u>WEI Xingxing</u> , <u>CHEN Xiaoxuan</u> , # <u>CHEN Lin</u> , # <u>YAN Dexiu</u> , <u>WANG Wei-Guang</u> , <u>MATSUDA Yudai</u> , "Heterologous Biosynthesis of Tetrahydroxanthone Dimers: Determination of Key Factors for Selective or Divergent Synthesis", <i>Journal of Natural Products</i> , 84(5), 23 April 2021, pp 1544-1549, doi: <a href="https://doi.org/10.1021/acs.jnatprod.1c00022">https://doi.org/10.1021/acs.jnatprod.1c00022</a> .
<b>YANG Liu</b>	<u>XIE Yusheng</u> , # <u>YANG Liu</u> , # <u>CHEN Qingxin</u> , # <u>ZHANG Jie</u> , <u>FENG Ling</u> , <u>CHEN Jian Lin</u> , <u>HAO Quan</u> , <u>ZHANG Liang</u> , <u>SUN Hongyan</u> , "Single-step fluorescent probes to detect decrotonylation activity of HDACs through intramolecular reactions", <i>European Journal of Medicinal Chemistry</i> , 212, 30 December 2020, doi: <a href="https://doi.org/10.1016/j.ejmech.2020.113120">https://doi.org/10.1016/j.ejmech.2020.113120</a> .
	<u>WANG Jingpei</u> , <u>ZHANG Fan</u> , # <u>YANG Liu</u> , <u>WANG Benhua</u> , <u>SONG Xiangzhi</u> , "A red-emitting fluorescent probe for sensing and imaging biothiols in living cells", <i>Journal of Luminescence</i> , 234, 18 February 2021, doi: <a href="https://doi.org/10.1016/j.jlumin.2021.117994">https://doi.org/10.1016/j.jlumin.2021.117994</a> .
	# <u>YANG Liu</u> , # <u>CHEN Qingxin</u> , # <u>GAN Shenglong</u> , <u>GUO Qiang</u> , # <u>ZHANG Jie</u> , <u>ZHANG Huatang</u> , <u>XIE Yusheng</u> , <u>XIAO Hanyue</u> , <u>WANG Wanhe</u> , <u>SUN Hongyan</u> , "An activatable AIEgen probe for in-situ monitoring and long-term tracking of ferrous ions in living cells", <i>Dyes and Pigments</i> , 190, 02 March 2021, doi: <a href="https://doi.org/10.1016/j.dyepig.2021.109271">https://doi.org/10.1016/j.dyepig.2021.109271</a> .
	# <u>CHEN Qingxin</u> , # <u>CHENG Ke</u> , <u>WANG Wanhe</u> , # <u>YANG Liu</u> , <u>XIE Yusheng</u> , <u>FENG Ling</u> , # <u>ZHANG Jie</u> , <u>ZHANG Huatang</u> , <u>SUN Hongyan</u> , "A pyrene-based ratiometric fluorescent probe with a large Stokes shift for selective detection of hydrogen peroxide in living cells", <i>Journal of Pharmaceutical Analysis</i> , 10(5), 04 August 2020, pp 490-497, doi: <a href="https://doi.org/10.1016/j.jpha.2020.07.003">https://doi.org/10.1016/j.jpha.2020.07.003</a> .
	# <u>YANG Liu</u> , # <u>GAN Shenglong</u> , <u>GUO Qiang</u> , <u>ZHANG Huatang</u> , # <u>CHEN Qingxin</u> , # <u>LI Huangxu</u> , <u>SHI Jiahai</u> , <u>SUN Hongyan</u> , "Stimuli-controlled peptide self-assembly with secondary structure transitions and its application in drug release", <i>Materials Chemistry Frontiers</i> , 5(12), 28 April 2021, pp 4664-4671, doi: <a href="https://doi.org/10.1039/d1qm00430a">https://doi.org/10.1039/d1qm00430a</a> .
	<u>HE Yong</u> , <u>YU Junli</u> , <u>HU Xiangzi</u> , <u>HUANG Shumei</u> , <u>CAI Lili</u> , # <u>YANG Liu</u> , <u>ZHANG Huatang</u> , <u>JIANG Yin</u> , <u>JIA Yongguang</u> , <u>SUN Hongyan</u> , "An activity-based fluorescent probe and its application for differentiating alkaline phosphatase activity in different cell lines", <i>Chemical</i>

## Section A: Publications of PhD Students

	<p><i>Communications</i>, 56(87), 30 September 2020, pp 13323-13326, doi: <a href="https://doi.org/10.1039/d0cc06129h">https://doi.org/10.1039/d0cc06129h</a>.</p> <p>#<a href="#">YANG Liu</a>, <a href="#">PELTIER Raoul</a>, <a href="#">ZHANG Manman</a>, <a href="#">SONG Dan</a>, <a href="#">HUANG Hui</a>, <a href="#">CHEN Ganchao</a>, <a href="#">CHEN Ying</a>, <a href="#">ZHOU Fanghang</a>, <a href="#">HAO Quan</a>, <a href="#">BIAN Liming</a>, <a href="#">HE Mingliang</a>, <a href="#">WANG Zuankai</a>, <a href="#">HU Yi</a>, <a href="#">SUN Hongyan</a>, "Desuccinylation-Triggered Peptide Self-Assembly: Live Cell Imaging of SIRT5 Activity and Mitochondrial Activity Modulation", <i>Journal of the American Chemical Society</i>, 142(42), 29 September 2020, pp 18150-18159, doi: <a href="https://doi.org/10.1021/jacs.0c08463">https://doi.org/10.1021/jacs.0c08463</a>, <a href="https://doi.org/doi:10.1021/jacs.0c08463">https://doi.org/doi: 10.1021/jacs.0c08463</a>.</p> <p><a href="#">XIE Yusheng</a>, <a href="#">ZHANG Jie</a>, <a href="#">YANG Liu</a>, <a href="#">CHEN Qingxin</a>, <a href="#">HAO Quan</a>, <a href="#">ZHANG Liang</a>, <a href="#">SUN Hongyan</a>, "A dual-function chemical probe for detecting erasers of lysine lipoylation", <i>Frontiers of Chemical Science and Engineering</i>, 29 April 2021, doi: <a href="https://doi.org/10.1007/s11705-021-2051-0">https://doi.org/10.1007/s11705-021-2051-0</a>.</p> <p><a href="#">JIANG Chenyang</a>, <a href="#">HUANG Haojie</a>, <a href="#">KANG Xueying</a>, <a href="#">YANG Liu</a>, <a href="#">XI Zhen</a>, <a href="#">SUN Hongyan</a>, <a href="#">PLUTH Michael D.</a>, <a href="#">YI Long</a>, "NBD-based synthetic probes for sensing small molecules and proteins: design, sensing mechanisms and biological applications", <i>Chemical Society Reviews</i>, 50(13), 01 June 2021, pp 7436–7495, doi: <a href="https://doi.org/10.1039/d0cs01096k">https://doi.org/10.1039/d0cs01096k</a>.</p>
<b>YANG Rui</b>	<p><a href="#">WANG Hui</a>, <a href="#">LIANG Jianli</a>, <a href="#">WU Yan</a>, <a href="#">KANG Tianxing</a>, <a href="#">SHEN Dong</a>, <a href="#">TONG Zhongqiu</a>, <a href="#">YANG Rui</a>, <a href="#">JIANG Yang</a>, <a href="#">WU Di</a>, <a href="#">LI Xinjian</a>, <a href="#">LEE Chun Sing</a>, "Porous BN Nanofibers Enable Long-Cycling Life Sodium Metal Batteries", <i>Small</i>, 16(34), 21 July 2020, doi: <a href="https://doi.org/10.1002/smll.202002671">https://doi.org/10.1002/smll.202002671</a>.</p> <p><a href="#">TONG Zhongqiu</a>, <a href="#">KANG Tianxing</a>, <a href="#">WU Jianming</a>, <a href="#">YANG Rui</a>, <a href="#">WU Yan</a>, <a href="#">LIAN Ruqian</a>, <a href="#">WANG Hui</a>, <a href="#">TANG Yongbing</a>, <a href="#">LEE Chun Sing</a>, "Mechanisms of sodiation in anatase TiO<sub>2</sub> in terms of equilibrium thermodynamics and kinetics", <i>Nanoscale Advances</i>, 3(16), 25 June 2021, pp 4702-4713, doi: <a href="https://doi.org/10.1039/d1na00359c">https://doi.org/10.1039/d1na00359c</a>.</p> <p><a href="#">YANG Rui</a>, <a href="#">ZHANG Fan</a>, <a href="#">LEI Xin</a>, <a href="#">ZHENG Yongping</a>, <a href="#">ZHAO Guohua</a>, <a href="#">TANG Yongbing</a>, <a href="#">LEE Chun Sing</a>, "Pseudocapacitive Ti-Doped Niobium Pentoxide Nanoflake Structure Design for a Fast Kinetics Anode toward a High-Performance Mg-Ion-Based Dual-Ion Battery", <i>ACS Applied Materials &amp; Interfaces</i>, 12(42), 28 September 2020, pp 47539-47547, doi: <a href="https://doi.org/10.1021/acsmi.0c13045">https://doi.org/10.1021/acsmi.0c13045</a>.</p>
<b>YANG Zhe</b>	<p>#<a href="#">ZHANG Li</a>, <a href="#">YANG Zhe</a>, <a href="#">HE Wenshan</a>, <a href="#">REN Jinghua</a>, <a href="#">WONG Chun Yuen Alex</a>, "One-pot synthesis of a self-reinforcing cascade bioreactor for combined photodynamic/chemodynamic/starvation therapy", <i>Journal of Colloid and Interface Science</i>, 599, 02 April 2021, pp 543-555, doi: <a href="https://doi.org/10.1016/j.jcis.2021.03.173">https://doi.org/10.1016/j.jcis.2021.03.173</a>.</p>
<b>YAO Houzong</b>	<p>#<a href="#">YAO Houzong</a>, <a href="#">CHEN Shu</a>, <a href="#">DENG Zhiqin</a>, <a href="#">TSE Man Kit</a>, <a href="#">MATSUDA Yudai</a>, <a href="#">ZHU Guangyu</a>, "BODI-Pt, a Green-Light-Activatable and Carboplatin-Based Platinum(IV) Anticancer Prodrug with Enhanced Activation and Cytotoxicity", <i>Inorganic Chemistry</i>, 59(16), 06 August 2020, pp 11823-11833, doi: <a href="https://doi.org/10.1021/acs.inorgchem.0c01880">https://doi.org/10.1021/acs.inorgchem.0c01880</a>.</p> <p>#<a href="#">DENG Zhiqin</a>, <a href="#">LI Cai</a>, <a href="#">CHEN Shu</a>, <a href="#">ZHOU Qiyuan</a>, <a href="#">XU Zoufeng</a>, <a href="#">WANG Zhigang</a>, <a href="#">YAO Houzong</a>, <a href="#">HIRAO Hajime</a>, <a href="#">ZHU Guangyu</a>, "An intramolecular photoswitch can significantly promote photoactivation of Pt(IV) prodrugs", <i>Chemical Science</i>, 12(19), 01 April 2021, pp 6536-6542, doi: <a href="https://doi.org/10.1039/D0SC06839J">https://doi.org/10.1039/D0SC06839J</a>.</p> <p>#<a href="#">CHEN Shu</a>, <a href="#">YAO Houzong</a>, <a href="#">ZHOU Qiyuan</a>, <a href="#">TSE Man Kit</a>, <a href="#">GUNAWAN Yuliana Fransiska</a>, <a href="#">ZHU Guangyu</a>, "Stability, Reduction, and Cytotoxicity of Platinum(IV) Anticancer Prodrugs Bearing Carbamate Axial Ligands: Comparison with Their Carboxylate Analogues", <i>Inorganic Chemistry</i>, 59(16), 03 August 2020, pp 11676–11687, doi: <a href="https://doi.org/10.1021/acs.inorgchem.0c01541">https://doi.org/10.1021/acs.inorgchem.0c01541</a>.</p>
<b>YAO Yao</b>	<p><a href="#">ZHANG Xiao-Rui</a>, <a href="#">YAO Yao</a>, <a href="#">PENG Song-Ang</a>, <a href="#">ZHU Chao-Yi</a>, <a href="#">HUANG Xin-Nan</a>, <a href="#">YAN Yun-Peng</a>, <a href="#">ZHANG Da-Yong</a>, <a href="#">SHI Jing-Yuan</a>, <a href="#">JIN Zhi</a>, "Stable p-type chemical doping of graphene with reduced contact resistance by singlelayer perfluorinated polymeric sulfonic acid", <i>Nanotechnology</i>, 32(15), 25 January 2021, doi: <a href="https://doi.org/10.1088/1361-6528/abd715">https://doi.org/10.1088/1361-6528/abd715</a>.</p> <p><a href="#">ZHU Chao-Yi</a>, <a href="#">PENG Song-Ang</a>, <a href="#">ZHANG Xiao-Rui</a>, <a href="#">YAO Yao</a>, <a href="#">HUANG Xin-Nan</a>, <a href="#">YAN Yun-Peng</a>, <a href="#">ZHANG Da-Yong</a>, <a href="#">SHI Jing-Yuan</a>, <a href="#">JIN Zhi</a>, "Reducing metal/graphene contact resistance via N, N-dimethylacetamide-assisted clean fabrication process", <i>Nanotechnology</i>, 32(31), 10 May 2021, doi: <a href="https://doi.org/10.1088/1361-6528/abfa56">https://doi.org/10.1088/1361-6528/abfa56</a>.</p>
<b>YEUNG Chi Fung</b>	<p>#<a href="#">SHEK Hau Lam</a>, <a href="#">YEUNG Chi Fung</a>, <a href="#">CHUNG Lai Hon</a>, <a href="#">WONG Chun Yuen Alex</a>, "A focused review on the unconventional alkyne activations by ruthenium(II) and osmium(II) complexes</p>

## Section A: Publications of PhD Students

	supported by 1,2-bis(diphenylphosphino)methane (dppm)", <i>Polyhedron</i> , 197, 13 January 2021, doi: <a href="https://doi.org/10.1016/j.poly.2021.115023">https://doi.org/10.1016/j.poly.2021.115023</a> .
	<u>CHAN Siu Chung</u> , #YEUNG Chi Fung, #SHEK Hau Lam, #NG Sze Wing, <u>TSE Sheung Ying</u> , <u>TSE Man Kit</u> , <u>YIU Shek Man Ken</u> , <u>WONG Chun Yuen Alex</u> , "Iron(ii)-induced cycloisomerization of alkynes via "non-vinylidene" pathways for iron(ii)-indolizine and -indolizinone complexes", <i>Chemical communications (Cambridge, England)</i> , 56(83), 22 September 2020, pp 12644-12647, doi: <a href="https://doi.org/10.1039/d0cc05081d">https://doi.org/10.1039/d0cc05081d</a> .
	#YEUNG Chi Fung, <u>CHUNG Lai Hon</u> , <u>TSE Sheung Ying</u> , #SHEK Hau Lam, <u>TSE Man Kit</u> , <u>YIU Shek Man Ken</u> , <u>WONG Chun Yuen Alex</u> , "Conventional and unconventional alkyne activations by Ru and Os for unprecedented dimetalated quinolizinium complexes", <i>Chemical Communications</i> , 56(63), 10 July 2020, pp 8908-8911, doi: <a href="https://doi.org/10.1039/d0cc03480k">https://doi.org/10.1039/d0cc03480k</a> .
<b>YIN Jinwen</b>	#YIN Jinwen, #WANG Juan, #MA Yangbo, #YU Jinli, #ZHOU Jingwen, <u>FAN Zhanxi</u> , "Recent Advances in the Controlled Synthesis and Catalytic Applications of Two-Dimensional Rhodium Nanomaterials", <i>ACS Materials Letters</i> , 3(1), 17 December 2020, pp 121-133, doi: <a href="https://doi.org/10.1021/acsmaterialslett.0c00473">https://doi.org/10.1021/acsmaterialslett.0c00473</a> .
	#YU Jinli, #WANG Juan, #MA Yangbo, #ZHOU Jingwen, #WANG Yunhao, #LU Pengyi, #YIN Jinwen, <u>YE Ruquan</u> , <u>ZHU Zonglong</u> , <u>FAN Zhanxi</u> , "Recent Progresses in Electrochemical Carbon Dioxide Reduction on Copper-Based Catalysts towards Multicarbon Products", <i>Advanced Functional Materials</i> , 31(37), 26 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102151">https://doi.org/10.1002/adfm.202102151</a> .
	#LU Pengyi, #ZHOU Jingwen, <u>HU Yukun</u> , #YIN Jinwen, #WANG Yunhao, #YU Jinli, #MA Yangbo, <u>ZHU Zonglong</u> , <u>ZENG Zhiyuan</u> , <u>FAN Zhanxi</u> , "Gold-based Nanoalloys: Synthetic Methods and Catalytic Applications", <i>Journal of Materials Chemistry A</i> , 9(35), 09 June 2021, pp 19025-19053, doi: <a href="https://doi.org/10.1039/d1ta03646g">https://doi.org/10.1039/d1ta03646g</a> .
	#MA Yangbo, #WANG Juan, #YU Jinli, #ZHOU Jingwen, #ZHOU Xichen, #LI Huangxu, #HE Zhen, #LONG Huiwu, #WANG Yunhao, #LU Pengyi, #YIN Jinwen, <u>SUN Hongyan</u> , <u>ZHANG Zhicheng</u> , <u>FAN Zhanxi</u> , "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i> , 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a> .
<b>YU Jinli</b>	#YIN Jinwen, #WANG Juan, #MA Yangbo, #YU Jinli, #ZHOU Jingwen, <u>FAN Zhanxi</u> , "Recent Advances in the Controlled Synthesis and Catalytic Applications of Two-Dimensional Rhodium Nanomaterials", <i>ACS Materials Letters</i> , 3(1), 17 December 2020, pp 121-133, doi: <a href="https://doi.org/10.1021/acsmaterialslett.0c00473">https://doi.org/10.1021/acsmaterialslett.0c00473</a> .
	#YU Jinli, #WANG Juan, #MA Yangbo, #ZHOU Jingwen, #WANG Yunhao, #LU Pengyi, #YIN Jinwen, <u>YE Ruquan</u> , <u>ZHU Zonglong</u> , <u>FAN Zhanxi</u> , "Recent Progresses in Electrochemical Carbon Dioxide Reduction on Copper-Based Catalysts towards Multicarbon Products", <i>Advanced Functional Materials</i> , 31(37), 26 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102151">https://doi.org/10.1002/adfm.202102151</a> .
	#LU Pengyi, #ZHOU Jingwen, <u>HU Yukun</u> , #YIN Jinwen, #WANG Yunhao, #YU Jinli, #MA Yangbo, <u>ZHU Zonglong</u> , <u>ZENG Zhiyuan</u> , <u>FAN Zhanxi</u> , "Gold-based Nanoalloys: Synthetic Methods and Catalytic Applications", <i>Journal of Materials Chemistry A</i> , 9(35), 09 June 2021, pp 19025-19053, doi: <a href="https://doi.org/10.1039/d1ta03646g">https://doi.org/10.1039/d1ta03646g</a> .
	#MA Yangbo, #WANG Juan, #YU Jinli, #ZHOU Jingwen, #ZHOU Xichen, #LI Huangxu, #HE Zhen, #LONG Huiwu, #WANG Yunhao, #LU Pengyi, #YIN Jinwen, <u>SUN Hongyan</u> , <u>ZHANG Zhicheng</u> , <u>FAN Zhanxi</u> , "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i> , 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a> .
<b>YUEN Nim Tung Calista</b>	#WU Rongben, <u>RUAN Yuefei Phoebe</u> , #LIN Huiju, #YUEN Nim Tung Calista, <u>FENG Hongru</u> , <u>LAM Kwan Sing Paul</u> , "Occurrence and Fate of Psychiatric Pharmaceuticals in Wastewater Treatment Plants in Hong Kong: Enantiomeric Profiling and Preliminary Risk Assessment", <i>ACS ES&amp;T WATER</i> , 1(3), 17 December 2020, pp 542-552, doi: <a href="https://doi.org/10.1021/acsestwater.0c00081">https://doi.org/10.1021/acsestwater.0c00081</a> .
<b>ZHAI Li</b>	#ZHAI Li, #LI Zijian, <u>ZHANG Hua</u> , "Enriching the library of axial superlattice nanowires", <i>Science China Materials</i> , 09 June 2021, doi: <a href="https://doi.org/10.1007/s40843-021-1716-x">https://doi.org/10.1007/s40843-021-1716-x</a> .

## Section A: Publications of PhD Students

<b>ZHAI Wei</b>	<p><u>LAI Zhuangchai</u>, <u>HE Qiyan</u>, TRAN Thu Ha, REPAKA D. V. Maheswar, ZHOU Dong-Dong, SUN Ying, XI Shibo, LI Yongxin, CHATURVEDI Apoorva, <u>TAN Chaoliang</u>, <u>CHEN Bo</u>, NAM Gwang-Hyeon, LI Bing, <u>LING Chongyi</u>, #ZHAI Wei, <u>SHI Zhenyu</u>, HU Dianyi, SHARMA Vinay, HU Zhaoning, CHEN Ye, ZHANG Zhicheng, YU Yifu, RENSHAW WANG Xiao, RAMANUJAN Raju V., MA Yanming, HIPPALGAONKAR Kedar, <u>ZHANG Hua</u>, "Metastable 1T'-phase group VIB transition metal dichalcogenide crystals", <i>Nature Materials</i>, 15 April 2021, doi: <a href="https://doi.org/10.1038/s41563-021-00971-y">https://doi.org/10.1038/s41563-021-00971-y</a>.</p>
	<p>ZHANG Shengnan, ZENG Zhen, #ZHAI Wei, HOU Guangmei, CHEN Lina, CI Lijie, "Bifunctional In Situ Polymerized Interface for Stable LAGP-Based Lithium Metal Batteries", <i>Advanced Materials Interfaces</i>, 8(10), 23 March 2021, doi: <a href="https://doi.org/10.1002/admi.202100072">https://doi.org/10.1002/admi.202100072</a>.</p>
<b>ZHANG Di</b>	<p>#LI Xiaozhen, #ZHANG Di, YIN Chao, LU Guihong, #WAN Yingpeng, #HUANG Zhongming, #TAN Jihua, <u>LI Shengliang</u>, <u>LUO Jingdong</u>, <u>LEE Chun Sing</u>, "A Diradicaloid Small Molecular Nanotheranostic with Strong Near-Infrared Absorbance for Effective Cancer Photoacoustic Imaging and Photothermal Therapy", <i>ACS Applied Materials &amp; Interfaces</i>, 13(14), 31 March 2021, pp 15983-15991, doi: <a href="https://doi.org/10.1021/acsmi.0c21889">https://doi.org/10.1021/acsmi.0c21889</a>.</p>
	<p>#ZOU Jie, #ZHANG Di, #CHEN Weilong, <u>LUO Jingdong</u>, "Optimizing the vectorial component of first hyperpolarizabilities of push-pull chromophores to boost the electro-optic activities of poled polymers over broad telecom wavelength bands", <i>Materials Advances</i>, 2(7), 20 February 2021, pp 2318-2327, doi: <a href="https://doi.org/10.1039/d1ma00086a">https://doi.org/10.1039/d1ma00086a</a>.</p>
	<p>#ZHANG Di, #ZOU Jie, <u>WANG Wen</u>, YU Qian, DENG Guowei, <u>WU Jieyun</u>, LI Zhong-An, <u>LUO Jingdong</u>, "Systematic study of the structure-property relationship of a series of near-infrared absorbing push-pull heptamethine chromophores for electro-optics", <i>Science China Chemistry</i>, 64(2), 12 November 2020, pp 263–273, doi: <a href="https://doi.org/10.1007/s11426-020-9860-5">https://doi.org/10.1007/s11426-020-9860-5</a>.</p>
	<p>#ZHANG Di, #CHEN Weilong, #ZOU Jie, <u>LUO Jingdong</u>, "Critical Role of Non-classical Intermolecular Hydrogen Bonding in Affecting the <math>\pi</math>-<math>\pi</math> Stacking and Nonlinear Optical Properties of Tricyanofuran-Based Push-Pull Heptamethines", <i>Chemistry of Materials</i>, 33(10), 05 May 2021, pp 3702-3711, doi: <a href="https://doi.org/10.1021/acs.chemmater.1c00704">https://doi.org/10.1021/acs.chemmater.1c00704</a>.</p>
<b>ZHANG Jie</b>	<p>XIE Yusheng, #YANG Liu, #CHEN Qingxin, #ZHANG Jie, <u>FENG Ling</u>, CHEN Jian Lin, HAO Quan, <u>ZHANG Liang</u>, <u>SUN Hongyan</u>, "Single-step fluorescent probes to detect decrotonylation activity of HDACs through intramolecular reactions", <i>European Journal of Medicinal Chemistry</i>, 212, 30 December 2020, doi: <a href="https://doi.org/10.1016/j.ejmech.2020.113120">https://doi.org/10.1016/j.ejmech.2020.113120</a>.</p>
	<p>#LI Huangxu, ZHANG Wei, HAN Zexun, SUN Kena, GAO Chunhui, #CHENG Ke, #LIU Zhiyang, #CHEN Qingxin, #ZHANG Jie, LAI Yanqing, ZHANG Zhian, <u>SUN Hongyan</u>, "Pseudocapacitance enhanced by N-defects in Na<sub>3</sub>MnTi(PO<sub>4</sub>)<sub>3</sub>/N-doped carbon composite for symmetric full sodium-ion batteries", <i>Materials Today Energy</i>, 21, 14 April 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100754">https://doi.org/10.1016/j.mtener.2021.100754</a>.</p>
	<p>#YANG Liu, #CHEN Qingxin, #GAN Shenglong, <u>GUO Qiang</u>, #ZHANG Jie, ZHANG Huatang, XIE Yusheng, XIAO Hanyue, <u>WANG Wanhe</u>, <u>SUN Hongyan</u>, "An activatable AIEgen probe for in-situ monitoring and long-term tracking of ferrous ions in living cells", <i>Dyes and Pigments</i>, 190, 02 March 2021, doi: <a href="https://doi.org/10.1016/j.dyepig.2021.109271">https://doi.org/10.1016/j.dyepig.2021.109271</a>.</p>
	<p>#CHEN Qingxin, #CHENG Ke, <u>WANG Wanhe</u>, #YANG Liu, XIE Yusheng, <u>FENG Ling</u>, #ZHANG Jie, ZHANG Huatang, <u>SUN Hongyan</u>, "A pyrene-based ratiometric fluorescent probe with a large Stokes shift for selective detection of hydrogen peroxide in living cells", <i>Journal of Pharmaceutical Analysis</i>, 10(5), 04 August 2020, pp 490-497, doi: <a href="https://doi.org/10.1016/j.jpha.2020.07.003">https://doi.org/10.1016/j.jpha.2020.07.003</a>.</p>
	<p>LIEW Si Si, ZHANG Chengwu, #ZHANG Jie, <u>SUN Hongyan</u>, LI Lin, YAO Shao Q., "Intracellular delivery of therapeutic proteins through N-Terminal site-specific modification", <i>Chemical Communications</i>, 56(77), 19 August 2020, pp 11473-11476, doi: <a href="https://doi.org/10.1039/d0cc04728g">https://doi.org/10.1039/d0cc04728g</a>.</p>
	<p>XIE Yusheng, #ZHANG Jie, #YANG Liu, #CHEN Qingxin, HAO Quan, <u>ZHANG Liang</u>, <u>SUN Hongyan</u>, "A dual-function chemical probe for detecting erasers of lysine lipoylation", <i>Frontiers of Chemical Science and Engineering</i>, 29 April 2021, doi: <a href="https://doi.org/10.1007/s11705-021-2051-0">https://doi.org/10.1007/s11705-021-2051-0</a>.</p>
	<p><u>FENG Ling</u>, #WANG Ping, FENG Yi, #ZHANG Jie, #CHEN Qingxin, XIE Yusheng, <u>LUO Jingdong</u>, XIA Jiang, YAO Shao Q., <u>SUN Hongyan</u>, "A reversible microarray immobilization strategy</p>

## Section A: Publications of PhD Students

	based on thiol-quinone reaction", <i>Chinese Chemical Letters</i> , 29 June 2021, doi: <a href="https://doi.org/10.1016/j.ccl.2021.06.056">https://doi.org/10.1016/j.ccl.2021.06.056</a> .
<b>ZHANG Jieru</b>	# <a href="#">TAN Zicong</a> , # <a href="#">ZHANG Jieru</a> , # <a href="#">CHEN Yu Cheng</a> , # <a href="#">PENG Yung-kang</a> , # <a href="#">CHOU Jyh-Pin</a> , "Unravelling the Role of Structural Geometry and Chemical State of Well-Defined Oxygen Vacancies on Pristine CeO <sub>2</sub> for H <sub>2</sub> O <sub>2</sub> Activation", <i>Journal of Physical Chemistry Letters</i> , 11(14), 16 July 2020, pp 5390-5396, doi: <a href="https://doi.org/10.1021/acs.jpcclett.0c01557">https://doi.org/10.1021/acs.jpcclett.0c01557</a> .
<b>ZHANG Li</b>	# <a href="#">ZHANG Li</a> , # <a href="#">YANG Zhe</a> , # <a href="#">HE Wenshan</a> , # <a href="#">REN Jinghua</a> , # <a href="#">WONG Chun Yuen Alex</a> , "One-pot synthesis of a self-reinforcing cascade bioreactor for combined photodynamic/chemodynamic/starvation therapy", <i>Journal of Colloid and Interface Science</i> , 599, 02 April 2021, pp 543-555, doi: <a href="https://doi.org/10.1016/j.jcis.2021.03.173">https://doi.org/10.1016/j.jcis.2021.03.173</a> .
<b>ZHAO Haizhou</b>	<a href="#">LIU Tiankai</a> , # <a href="#">ZHAO Haizhou</a> , # <a href="#">JIAN Shaofen</a> , # <a href="#">GONG Shu</a> , # <a href="#">LI Sainan</a> , # <a href="#">MA Yanhong</a> , # <a href="#">CHEN Jun</a> , # <a href="#">LIU Wenhua</a> , "Functional Expression, Purification and Identification of Interaction Partners of PACRG", <i>Molecules</i> , 26(8), 16 April 2021, doi: <a href="https://doi.org/10.3390/molecules26082308">https://doi.org/10.3390/molecules26082308</a> . # <a href="#">ZHAO Haizhou</a> , # <a href="#">KWOK Chun Kit</a> , "Bringing distant DNA together", <i>Nature Chemical Biology</i> , 17(2), 22 January 2021, pp 125-126, doi: <a href="https://doi.org/10.1038/s41589-020-00705-2">https://doi.org/10.1038/s41589-020-00705-2</a> .
<b>ZHAO Jieyu</b>	# <a href="#">YANG Xiaofei</a> , # <a href="#">CHEEMA Jitender</a> , # <a href="#">ZHANG Yueying</a> , # <a href="#">DENG Hongjing</a> , # <a href="#">DUNCAN Susan</a> , # <a href="#">UMAR Mubarak Ishaq</a> , # <a href="#">ZHAO Jieyu</a> , # <a href="#">LIU Qi</a> , # <a href="#">CAO Xiaofeng</a> , # <a href="#">KWOK Chun Kit</a> , # <a href="#">DING Yiliang</a> , "RNA G-quadruplex structures exist and function in vivo in plants", <i>Genome Biology</i> , 21, 01 September 2020, doi: <a href="https://doi.org/10.1186/s13059-020-02142-9">https://doi.org/10.1186/s13059-020-02142-9</a> .
<b>ZHAO Qi</b>	# <a href="#">TIAN Shuang</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">TAN Jihua</a> , # <a href="#">CUI Xiao</a> , # <a href="#">XIAO Yafang</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">LI Xiaozhen</a> , # <a href="#">ZHAO Qi</a> , # <a href="#">LI Shengliang</a> , # <a href="#">LEE Chun Sing</a> , "Manipulating Interfacial Charge-Transfer Absorption of Cocrystal Absorber for Efficient Solar Seawater Desalination and Water Purification", <i>ACS Energy Letters</i> , 5(8), 28 July 2020, pp 2698-2705, doi: <a href="https://doi.org/10.1021/acsenenergylett.0c01466">https://doi.org/10.1021/acsenenergylett.0c01466</a> . # <a href="#">ZHAO Qi</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">TIAN Shuang</a> , # <a href="#">CUI Xiao</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">LI Xiaozhen</a> , # <a href="#">XIAO Yafang</a> , # <a href="#">LI Shengliang</a> , # <a href="#">LEE Chun Sing</a> , "Superwetting B <sub>4</sub> C bilayer foam for high cost-performance solar water purification", <i>Materials Today Energy</i> , 18, 14 August 2020, doi: <a href="https://doi.org/10.1016/j.mtener.2020.100498">https://doi.org/10.1016/j.mtener.2020.100498</a> . # <a href="#">CUI Xiao</a> , # <a href="#">ZHAO Qi</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">XIAO Yafang</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">LI Shengliang</a> , # <a href="#">LEE Chun Sing</a> , "Water-Splitting Based and Related Therapeutic Effects: Evolving Concepts, Progress, and Perspectives", <i>Small</i> , 16(47), 30 October 2020, doi: <a href="https://doi.org/10.1002/sml.202004551">https://doi.org/10.1002/sml.202004551</a> . # <a href="#">SUN Jie</a> , # <a href="#">LI Suchun</a> , # <a href="#">ZHAO Qi</a> , # <a href="#">HUANG Cunping</a> , # <a href="#">WU Qiang</a> , # <a href="#">CHEN Wei</a> , # <a href="#">XU Qunjie</a> , # <a href="#">YAO Weifeng</a> , "Atomically confined calcium in nitrogen-doped graphene as an efficient heterogeneous catalyst for hydrogen evolution", <i>iScience</i> , 24(7), 15 June 2021, doi: <a href="https://doi.org/10.1016/j.isci.2021.102728">https://doi.org/10.1016/j.isci.2021.102728</a> . # <a href="#">ZHANG Jun</a> , # <a href="#">ZHAO Qi</a> , # <a href="#">ZHANG Jinxing</a> , # <a href="#">SHI Ying</a> , # <a href="#">HUANG Cunping</a> , # <a href="#">XIA Ligang</a> , # <a href="#">WU Qiang</a> , # <a href="#">YAO Weifeng</a> , "Highly Active Fe <sub>x</sub> Co <sub>1-x</sub> P cocatalysts modified CdS for photocatalytic hydrogen production", <i>International Journal of Hydrogen Energy</i> , 45(43), 03 August 2020, pp 22722-22731, doi: <a href="https://doi.org/10.1016/j.ijhydene.2020.06.090">https://doi.org/10.1016/j.ijhydene.2020.06.090</a> . # <a href="#">ZHAO Qi</a> , # <a href="#">HUANG Zhongming</a> , # <a href="#">WAN Yingpeng</a> , # <a href="#">TAN Jihua</a> , # <a href="#">CAO Chen</a> , # <a href="#">LI Shengliang</a> , # <a href="#">LEE Chun Sing</a> , "Multifunctional oligomer sponge for efficient solar water purification and oil cleanup", <i>Journal of Materials Chemistry A</i> , 9(4), 04 January 2021, pp 2104-2110, doi: <a href="https://doi.org/10.1039/d0ta10798k">https://doi.org/10.1039/d0ta10798k</a> .
<b>ZHOU Chuanwen</b>	# <a href="#">GAO Dian-Ce</a> , # <a href="#">SUN Yongjun</a> , # <a href="#">ZHOU Chuanwen</a> , # <a href="#">BU Yu</a> , # <a href="#">BAO Yan</a> , # <a href="#">CHAI Jiale</a> , "Numerical and experimental study on a double-layered coating design using supplemental property particles for achieving user-desired thermal and aesthetic performance", <i>Energy</i> , 211, 27 August 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.118683">https://doi.org/10.1016/j.energy.2020.118683</a> .
<b>ZHOU Jingwen</b>	# <a href="#">YIN Jinwen</a> , # <a href="#">WANG Juan</a> , # <a href="#">MA Yangbo</a> , # <a href="#">YU Jinli</a> , # <a href="#">ZHOU Jingwen</a> , # <a href="#">FAN Zhanxi</a> , "Recent Advances in the Controlled Synthesis and Catalytic Applications of Two-Dimensional Rhodium Nanomaterials", <i>ACS Materials Letters</i> , 3(1), 17 December 2020, pp 121-133, doi: <a href="https://doi.org/10.1021/acsmaterialslett.0c00473">https://doi.org/10.1021/acsmaterialslett.0c00473</a> . # <a href="#">YU Jinli</a> , # <a href="#">WANG Juan</a> , # <a href="#">MA Yangbo</a> , # <a href="#">ZHOU Jingwen</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">LU Pengyi</a> , # <a href="#">YIN Jinwen</a> , # <a href="#">YE Ruquan</a> , # <a href="#">ZHU Zonglong</a> , # <a href="#">FAN Zhanxi</a> , "Recent Progresses in Electrochemical Carbon Dioxide Reduction on Copper-Based Catalysts towards Multicarbon



## Section A: Publications of PhD Students

	Products", <i>Advanced Functional Materials</i> , 31(37), 26 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102151">https://doi.org/10.1002/adfm.202102151</a> .
	# <a href="#">LU Pengyi</a> , # <a href="#">ZHOU Jingwen</a> , <a href="#">HU Yukun</a> , # <a href="#">YIN Jinwen</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">YU Jinli</a> , # <a href="#">MA Yangbo</a> , <a href="#">ZHU Zonglong</a> , <a href="#">ZENG Zhiyuan</a> , <a href="#">FAN Zhanxi</a> , "Gold-based Nanoalloys: Synthetic Methods and Catalytic Applications", <i>Journal of Materials Chemistry A</i> , 9(35), 09 June 2021, pp 19025-19053, doi: <a href="https://doi.org/10.1039/d1ta03646g">https://doi.org/10.1039/d1ta03646g</a> .
	# <a href="#">MA Yangbo</a> , # <a href="#">WANG Juan</a> , # <a href="#">YU Jinli</a> , # <a href="#">ZHOU Jingwen</a> , # <a href="#">ZHOU Xichen</a> , # <a href="#">LI Huangxu</a> , # <a href="#">HE Zhen</a> , # <a href="#">LONG Huiwu</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">LU Pengyi</a> , # <a href="#">YIN Jinwen</a> , <a href="#">SUN Hongyan</a> , <a href="#">ZHANG Zhicheng</a> , <a href="#">FAN Zhanxi</a> , "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i> , 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a> .
<b>ZHOU Li</b>	# <a href="#">ZHOU Li</a> , <a href="#">LIU Guijian</a> , <a href="#">SHEN Mengchen</a> , <a href="#">LIU Yuan</a> , <a href="#">LAM Kwan Sing Paul</a> , "Characteristics of indoor dust in an industrial city: Comparison with outdoor dust and atmospheric particulates", <i>Chemosphere</i> , 272, 12 February 2021, doi: <a href="https://doi.org/10.1016/j.chemosphere.2021.129952">https://doi.org/10.1016/j.chemosphere.2021.129952</a> .
<b>ZHOU Qiyuan</b>	<a href="#">XU Zoufeng</a> , <a href="#">TANG Wai Kit</a> , # <a href="#">ZHOU Qiyuan</a> , # <a href="#">CHEN Shu</a> , <a href="#">SIU Chi Kit Andy</a> , <a href="#">ZHU Guangyu</a> , "On the hydrolytic stability of unsymmetric platinum(IV) anticancer prodrugs containing axial halogens", <i>Inorganic Chemistry Frontiers</i> , 8(16), 06 May 2021, pp 3794-3802, doi: <a href="https://doi.org/10.1039/d1qi00208b">https://doi.org/10.1039/d1qi00208b</a> .
	# <a href="#">DENG Zhigui</a> , # <a href="#">LI Cai</a> , # <a href="#">CHEN Shu</a> , # <a href="#">ZHOU Qiyuan</a> , <a href="#">XU Zoufeng</a> , <a href="#">WANG Zhigang</a> , # <a href="#">YAO Houzong</a> , <a href="#">HIRAO Hajime</a> , <a href="#">ZHU Guangyu</a> , "An intramolecular photoswitch can significantly promote photoactivation of Pt(IV) prodrugs", <i>Chemical Science</i> , 12(19), 01 April 2021, pp 6536-6542, doi: <a href="https://doi.org/10.1039/D0SC06839J">https://doi.org/10.1039/D0SC06839J</a> .
	# <a href="#">CHEN Shu</a> , # <a href="#">YAO Houzong</a> , # <a href="#">ZHOU Qiyuan</a> , <a href="#">TSE Man Kit</a> , # <a href="#">GUNAWAN Yuliana Fransiska</a> , <a href="#">ZHU Guangyu</a> , "Stability, Reduction, and Cytotoxicity of Platinum(IV) Anticancer Prodrugs Bearing Carbamate Axial Ligands: Comparison with Their Carboxylate Analogues", <i>Inorganic Chemistry</i> , 59(16), 03 August 2020, pp 11676-11687, doi: <a href="https://doi.org/10.1021/acs.inorgchem.0c01541">https://doi.org/10.1021/acs.inorgchem.0c01541</a> .
<b>ZHOU Xichen</b>	# <a href="#">LU Shiyao</a> , # <a href="#">LIANG Jinzhe</a> , # <a href="#">LONG Huiwu</a> , # <a href="#">LI Huangxu</a> , # <a href="#">ZHOU Xichen</a> , # <a href="#">HE Zhen</a> , <a href="#">CHEN Ye</a> , <a href="#">SUN Hongyan</a> , <a href="#">FAN Zhanxi</a> , <a href="#">ZHANG Hua</a> , "Crystal Phase Control of Gold Nanomaterials by Wet-Chemical Synthesis", <i>Accounts of Chemical Research</i> , 53(10), 24 September 2020, pp 2106-2118, doi: <a href="https://doi.org/10.1021/acs.accounts.0c00487">https://doi.org/10.1021/acs.accounts.0c00487</a> .
	# <a href="#">MA Yangbo</a> , # <a href="#">WANG Juan</a> , # <a href="#">YU Jinli</a> , # <a href="#">ZHOU Jingwen</a> , # <a href="#">ZHOU Xichen</a> , # <a href="#">LI Huangxu</a> , # <a href="#">HE Zhen</a> , # <a href="#">LONG Huiwu</a> , # <a href="#">WANG Yunhao</a> , # <a href="#">LU Pengyi</a> , # <a href="#">YIN Jinwen</a> , <a href="#">SUN Hongyan</a> , <a href="#">ZHANG Zhicheng</a> , <a href="#">FAN Zhanxi</a> , "Surface modification of metal materials for high-performance electrocatalytic carbon dioxide reduction", <i>Matter</i> , 4(3), 03 March 2021, pp 888-926, doi: <a href="https://doi.org/10.1016/j.matt.2021.01.007">https://doi.org/10.1016/j.matt.2021.01.007</a> .
<b>ZHU Jinghui</b>	# <a href="#">XU Guangxi</a> , # <a href="#">LEE Cho Cheung</a> , # <a href="#">KWOK Wing Ching</a> , # <a href="#">LEUNG Kam Keung</a> , # <a href="#">ZHU Jinghui</a> , <a href="#">LO Kam Wing Kenneth</a> , "Utilization of Rhenium(I) Polypyridine Complexes Featuring a Dinitrophenylsulfonamide Moiety as Biorthogonal-Selective Phosphorogenic Bioimaging Reagents and Photocytotoxic Agents", <i>European Journal of Inorganic Chemistry</i> , 15 June 2021, doi: <a href="https://doi.org/10.1002/ejic.202100364">https://doi.org/10.1002/ejic.202100364</a> .
<b>ZHU Zelin</b>	# <a href="#">CAO Chen</a> , <a href="#">YANG G. X.</a> , # <a href="#">TAN Jihua</a> , # <a href="#">SHEN Dong</a> , <a href="#">CHEN Wencheng</a> , <a href="#">CHEN Jiexiong</a> , # <a href="#">LIANG Jianli</a> , # <a href="#">ZHU Zelin</a> , <a href="#">LIU Shihao</a> , <a href="#">TONG Qingxiao</a> , <a href="#">LEE Chun Sing</a> , "Deep-blue high-efficiency triplet-triplet annihilation organic light-emitting diodes using donor- and acceptor-modified anthracene fluorescent emitters", <i>Materials Today Energy</i> , 21, 24 March 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100727">https://doi.org/10.1016/j.mtener.2021.100727</a> .
	# <a href="#">ZHU Zelin</a> , # <a href="#">TAN Jihua</a> , <a href="#">CHEN Wencheng</a> , <a href="#">YUAN Yi</a> , <a href="#">FU Li-Wen</a> , # <a href="#">CAO Chen</a> , <a href="#">YOU Cheng-Ju</a> , <a href="#">NI Shao-Fei</a> , <a href="#">CHI Yun</a> , <a href="#">LEE Chun Sing</a> , "High Performance NIR OLEDs with Low Efficiency Roll-Off by Leveraging Os(II) Phosphors and Exciplex Co-Host", <i>Advanced Functional Materials</i> , 31(33), 13 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102787">https://doi.org/10.1002/adfm.202102787</a> .
	<a href="#">XING Longjiang</a> , # <a href="#">ZHU Zelin</a> , <a href="#">HE Jia</a> , <a href="#">QIU Zhipeng</a> , <a href="#">YANG Zhiwen</a> , <a href="#">LIN Dan</a> , <a href="#">CHEN Wencheng</a> , <a href="#">YANG Qingdan</a> , <a href="#">JI Shaomin</a> , <a href="#">HUO Yanping</a> , <a href="#">LEE Chun Sing</a> , "Anthracene-based fluorescent emitters toward superior-efficiency nondoped TTA-OLEDs with deep blue emission and low efficiency roll-off", <i>Chemical Engineering Journal</i> , 421(pt. 2), 20 November 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.127748">https://doi.org/10.1016/j.cej.2020.127748</a> .

## Section A: Publications of PhD Students

	<p>ZANG Chunxiu, <u>LIU Shihao</u>, XU Mengxin, <u>WANG Ruifang</u>, #CAO Chen, #ZHU Zelin, ZHANG Jiaming, WANG Hui, ZHANG Letian, XIE Wenfa, <u>LEE Chun Sing</u>, "Top-emitting thermally activated delayed fluorescence organic light-emitting devices with weak light-matter coupling", <i>Light: Science and Applications</i>, 10, 03 June 2021, doi: <a href="https://doi.org/10.1038/s41377-021-00559-w">https://doi.org/10.1038/s41377-021-00559-w</a>.</p> <p>#ZHU Zelin, <u>CHEN Wencheng</u>, NI Shao-Fei, #YAN Jie, WANG Sheng Fu, FU Li-Wen, TSAI Han-Yan, <u>CHI Yun</u>, <u>LEE Chun Sing</u>, "Constructing deep-blue bis-tridentate Ir(III) phosphors with fluorene-based dianionic chelates", <i>Journal of Materials Chemistry C</i>, 9(4), 09 December 2020, pp 1318-1325, doi: <a href="https://doi.org/10.1039/d0tc05218c">https://doi.org/10.1039/d0tc05218c</a>.</p> <p>#ZHU Zelin, HSU L. Y., TAI W. S., NI S. F., <u>LEE Chun Sing</u>, <u>CHI Yun</u>, "Revealing the role of 1,2,4-triazolate fragment of blue-emitting bis-tridentate Ir(III) phosphors: photophysical properties, photo-stabilities, and applications", <i>Materials Today Energy</i>, 20, 05 January 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100636">https://doi.org/10.1016/j.mtener.2021.100636</a>.</p>
<b>ZHU Zhaohua</b>	<p>#SONG Yun, ZHANG Jun-Jie, #ZHU Zhaohua, #CHEN Xin, #HUANG Libei, #SU Jianjun, <u>XU Zhengtao</u>, LY Thuc Hue, <u>LEE Chun Sing</u>, YAKOBSON Boris I., TANG Ben Zhong, YE Ruquan, "Zwitterionic ultrathin covalent organic polymers for high-performance electrocatalytic carbon dioxide reduction", <i>Applied Catalysis B: Environmental</i>, 284, 21 November 2020, doi: <a href="https://doi.org/10.1016/j.apcatb.2020.119750">https://doi.org/10.1016/j.apcatb.2020.119750</a>.</p> <p>#ZHU Zhaohua, #WU Yan, SHEN Yang, #TAN Jihua, #SHEN Dong, LO Raymond, #LI Menglin, <u>YUAN Yi</u>, TANG Jianxin, <u>ZHANG Wenjun</u>, <u>TSANG Sai Wing</u>, <u>GUAN Zhiqiang</u>, <u>LEE Chun Sing</u>, "Highly Efficient Sky-Blue Perovskite Light-Emitting Diode Via Suppressing Nonradiative Energy Loss", <i>Chemistry of Materials</i>, 33(11), 27 May 2021, pp 4154–4162, doi: <a href="https://doi.org/10.1021/acs.chemmater.1c00903">https://doi.org/10.1021/acs.chemmater.1c00903</a>.</p> <p>#WU Yan, #ZHU Zhaohua, LI Yifan, #SHEN Dong, CHEN Lina, #KANG Tianxing, LIN Xiaohang, <u>TONG Zhongqiu</u>, WANG Hui, <u>LEE Chun Sing</u>, "Aqueous MnV<sub>2</sub>O<sub>6</sub>-Zn Battery with High Operating Voltage and Energy Density", <i>Small</i>, 17(28), 09 June 2021, doi: <a href="https://doi.org/10.1002/sml.202008182">https://doi.org/10.1002/sml.202008182</a>.</p>
<b>ZOU Jie</b>	<p>#ZOU Jie, #ZHANG Di, #CHEN Weilong, <u>LUO Jingdong</u>, "Optimizing the vectorial component of first hyperpolarizabilities of push-pull chromophores to boost the electro-optic activities of poled polymers over broad telecom wavelength bands", <i>Materials Advances</i>, 2(7), 20 February 2021, pp 2318-2327, doi: <a href="https://doi.org/10.1039/d1ma00086a">https://doi.org/10.1039/d1ma00086a</a>.</p> <p>#ZHANG Di, #ZOU Jie, <u>WANG Wen</u>, YU Qian, DENG Guowei, <u>WU Jieyun</u>, LI Zhong-An, <u>LUO Jingdong</u>, "Systematic study of the structure-property relationship of a series of near-infrared absorbing push-pull heptamethine chromophores for electro-optics", <i>Science China Chemistry</i>, 64(2), 12 November 2020, pp 263–273, doi: <a href="https://doi.org/10.1007/s11426-020-9860-5">https://doi.org/10.1007/s11426-020-9860-5</a>.</p> <p>#ZHANG Di, #CHEN Weilong, #ZOU Jie, <u>LUO Jingdong</u>, "Critical Role of Non-classical Intermolecular Hydrogen Bonding in Affecting the <math>\pi</math>-<math>\pi</math> Stacking and Nonlinear Optical Properties of Tricyanofuran-Based Push-Pull Heptamethines", <i>Chemistry of Materials</i>, 33(10), 05 May 2021, pp 3702-3711, doi: <a href="https://doi.org/10.1021/acs.chemmater.1c00704">https://doi.org/10.1021/acs.chemmater.1c00704</a>.</p>
<b>Conference papers</b>	
<b>DEMISSIE Ephrem Gizachew</b>	<p>#DEMISSIE Ephrem Gizachew, <u>TANG Wai Kit</u>, <u>SIU Chi Kit Andy</u>, "Catalytic Activity of Gallium Selenide for Hydrogen Evolution Reaction via Strain and Oxygen Doping", <i>27th Symposium on Chemistry Postgraduate Research in Hong Kong</i>, Online, Hong Kong, 17 October 2020.</p> <p>#DEMISSIE Ephrem Gizachew, <u>TANG Wai Kit</u>, <u>SIU Chi Kit Andy</u>, "Enhanced Catalytic Activity of Gallium Selenide for Hydrogen Evolution Reaction via Strain and Oxygen Doping", <i>21st International Union of Materials Research Societies- International Conference in Asia (IUMRS-ICA 2020)</i>, Online, Chiang Mai, Thailand, 23-26 February 2021.</p>
<b>HAN Jingqi</b>	<u>KO Chi Chiu Vincent</u> , #HAN Jingqi, <u>CHENG Shun Cheung</u> , <u>NG Chi On</u> , "Spectroscopic study on luminescent mechanochromic transition metal complexes", <i>7th Asian Spectroscopy Conference 2020</i> , Online conference, Singapore, Singapore, 08-10 December 2020, pp 63-64.
<b>KHAN Shakeel Ahmad</b>	#KHAN Shakeel Ahmad, <u>LEE Chun Sing</u> , "Multifunctional Nanocoatings to Overcome Contact Lenses Associated Conditions and Discomforts", <i>6th International Nanotech &amp; Nanoscience Conference &amp; Exhibition (NANOTECH FRANCE 2021)</i> , Virtual, Paris, France, 23-25 June 2021.

## Section A: Publications of PhD Students

<b>LAM Zachary</b>	# <a href="#">LAM Zachary</a> , <a href="#">TANG Wai Kit</a> , <a href="#">SIU Chi Kit Andy</a> , "DFT-MD Studies on Gas Phase $[\text{CO}_2(\text{H}_2\text{O})_n]^-$ Clusters ( $n = 0 - 8$ )", <i>27th Symposium on Chemistry Postgraduate Research in Hong Kong</i> , Online, Hong Kong, 17 October 2020.
	# <a href="#">LAM Zachary</a> , <a href="#">TANG Wai Kit</a> , <a href="#">SIU Chi Kit Andy</a> , "Density Functional Theory Molecular Dynamics Studies on Hydrated Clusters of Carbon Dioxide Radical Anion", <i>21st International Union of Materials Research Societies- International Conference in Asia (IUMRS-ICA 2020)</i> , Online, Chiang Mai, Thailand, 23-26 February 2021.
<b>LEE Cho Cheung</b>	# <a href="#">SHUM Justin</a> , <a href="#">ZHANG Peizhi</a> , # <a href="#">LEE Cho Cheung</a> , <a href="#">LO Kam Wing Kenneth</a> , "Bioorthogonal Phosphorogenic Rhenium(I) Polypyridine Sydnone Complexes for Specific Lysosome Labeling", <i>ACS Publications Symposium: The Power of Chemical Transformations</i> , Virtual, Hong Kong, 20-21 May 2021.
	# <a href="#">LEUNG Kam Keung</a> , # <a href="#">LEE Cho Cheung</a> , <a href="#">LIU Huawei</a> , <a href="#">LO Kam Wing Kenneth</a> , "Modulation of Emission and Singlet Oxygen Photosensitization in Live Cells Utilizing Bioorthogonal Phosphorogenic Probes and Protein Tag Technology", <i>ACS Publications Symposium: The Power of Chemical Transformations</i> , Virtual, Hong Kong, 20-21 May 2021.
	# <a href="#">LEE Cho Cheung</a> , <a href="#">TSANG Wun Yu</a> , <a href="#">LIU Huawei</a> , <a href="#">LO Kam Wing Kenneth</a> , "Photofunctional Cyclometalated Iridium(III) Polypyridine Complexes Bearing a Perfluorobiphenyl Moiety for Bioconjugation, Bioimaging, and Phototherapeutic Applications", <i>ACS Publications Symposium: The Power of Chemical Transformations</i> , Virtual, Hong Kong, 20-21 May 2021.
	# <a href="#">XU Guangxi</a> , # <a href="#">LEE Cho Cheung</a> , <a href="#">KWOK Cyrus Wing-Ching</a> , # <a href="#">LEUNG Kam Keung</a> , # <a href="#">ZHU Jinghui</a> , <a href="#">LO Kam Wing Kenneth</a> , "Utilization of Rhenium(I) Polypyridine Complexes Featuring a Dinitrophenylsulfonamide Moiety as Biothiol-selective Phosphorogenic Bioimaging Reagents and Photocytotoxic Agents", <i>ACS Publications Symposium: The Power of Chemical Transformations</i> , Virtual, Hong Kong, 20-21 May 2021.
<b>LEUNG Kam Keung</b>	# <a href="#">LEUNG Kam Keung</a> , # <a href="#">LEE Cho Cheung</a> , <a href="#">LIU Huawei</a> , <a href="#">LO Kam Wing Kenneth</a> , "Modulation of Emission and Singlet Oxygen Photosensitization in Live Cells Utilizing Bioorthogonal Phosphorogenic Probes and Protein Tag Technology", <i>ACS Publications Symposium: The Power of Chemical Transformations</i> , Virtual, Hong Kong, 20-21 May 2021.
	# <a href="#">XU Guangxi</a> , # <a href="#">LEE Cho Cheung</a> , <a href="#">KWOK Cyrus Wing-Ching</a> , # <a href="#">LEUNG Kam Keung</a> , # <a href="#">ZHU Jinghui</a> , <a href="#">LO Kam Wing Kenneth</a> , "Utilization of Rhenium(I) Polypyridine Complexes Featuring a Dinitrophenylsulfonamide Moiety as Biothiol-selective Phosphorogenic Bioimaging Reagents and Photocytotoxic Agents", <i>ACS Publications Symposium: The Power of Chemical Transformations</i> , Virtual, Hong Kong, 20-21 May 2021.
<b>SHUM Justin</b>	# <a href="#">SHUM Justin</a> , <a href="#">ZHANG Peizhi</a> , # <a href="#">LEE Cho Cheung</a> , <a href="#">LO Kam Wing Kenneth</a> , "Bioorthogonal Phosphorogenic Rhenium(I) Polypyridine Sydnone Complexes for Specific Lysosome Labeling", <i>ACS Publications Symposium: The Power of Chemical Transformations</i> , Virtual, Hong Kong, 20-21 May 2021.
<b>XU Guangxi</b>	# <a href="#">XU Guangxi</a> , # <a href="#">LEE Cho Cheung</a> , <a href="#">KWOK Cyrus Wing-Ching</a> , # <a href="#">LEUNG Kam Keung</a> , # <a href="#">ZHU Jinghui</a> , <a href="#">LO Kam Wing Kenneth</a> , "Utilization of Rhenium(I) Polypyridine Complexes Featuring a Dinitrophenylsulfonamide Moiety as Biothiol-selective Phosphorogenic Bioimaging Reagents and Photocytotoxic Agents", <i>ACS Publications Symposium: The Power of Chemical Transformations</i> , Virtual, Hong Kong, 20-21 May 2021.
<b>YIP Man Hei</b>	# <a href="#">YIP Man Hei</a> , <a href="#">LAI Kin Ho</a> , <a href="#">YIU Shek Man Ken</a> , <a href="#">LO Kam Wing Kenneth</a> , "Luminogenic Iridium(III) Bis-tetrazine Complexes as Double-clicking Two-point Binders and Bioorthogonal Probes for Bioimaging and Photocytotoxic Applications", <i>ACS Publications Symposium: The Power of Chemical Transformations</i> , Virtual, Hong Kong, 20-21 May 2021.
<b>ZHU Jinghui</b>	# <a href="#">XU Guangxi</a> , # <a href="#">LEE Cho Cheung</a> , <a href="#">KWOK Cyrus Wing-Ching</a> , # <a href="#">LEUNG Kam Keung</a> , # <a href="#">ZHU Jinghui</a> , <a href="#">LO Kam Wing Kenneth</a> , "Utilization of Rhenium(I) Polypyridine Complexes Featuring a Dinitrophenylsulfonamide Moiety as Biothiol-selective Phosphorogenic Bioimaging Reagents and Photocytotoxic Agents", <i>ACS Publications Symposium: The Power of Chemical Transformations</i> , Virtual, Hong Kong, 20-21 May 2021.
<b>Patents, agreements, assignments and companies</b>	
<b>LEE Cho Cheung</b>	<a href="#">LO Kam Wing Kenneth</a> , # <a href="#">LEE Cho Cheung</a> , <a href="#">LIU Huawei</a> , <a href="#">TANG Siu Ming</a> , Luminogenic Transition Metal-based Pyridyl Complex and Its Use, Patent No.: US10,759,994, United States, 01 September 2020.

## Section A: Publications of PhD Students

	<u>LO Kam Wing Kenneth</u> , # <u>LEE Cho Cheung</u> , <u>LIU Huawei</u> , Phosphorescent Transition Metal Complex, Its Preparation And Use, Patent No.: ZL201610954679.7, China, 30 March 2021.
<b>All other outputs</b>	
<b>CHENG Shengxian</b>	# <u>CHENG Shengxian</u> , <i>Bridging the Gaps in Porous Materials: from Molecular Solids to Ordered Carbon Frameworks</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 26 August 2020.
<b>CUI Xiao</b>	# <u>CUI Xiao</u> , <i>Photo-Responsive Nanoparticles for Hypoxia-Overcoming Photodynamic Cancer Therapy</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 24 July 2020.
<b>HUANG Libei</b>	# <u>HUANG Libei</u> , Young Scholars Symposium on Environmental Conservation and Sustainable Development, This symposium was held by Qingdao-Hong Kong Marine Environment and Ecology Joint Research Centre, Ocean University of China, 26 November 2020.
<b>LAW Chung Kay Edwin</b>	# <u>LAW Chung Kay Edwin</u> , <i>Sustainable Fluorous Chemistry</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 03 February 2021.
<b>LEE Cho Cheung</b>	# <u>LEE Cho Cheung</u> , <i>Photofunctional Cyclometalated Iridium(III) Polypyridine Complexes for Bioconjugation, Bioimaging and Therapeutic Applications</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 04 August 2020.
<b>LI Chenxuan</b>	# <u>LI Chenxuan</u> , <i>Mechanisms of Reactive Species Generation in Persulfate-based Advanced Oxidation Process in Response to Environmental Conditions and Pollutant Degradation Pathway Regulation</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 03 July 2020.
<b>LI Jie</b>	# <u>LI Jie</u> , <i>Regulation of Bidirectional Electron Transfer of Electroactive Bacteria and the Environmental Application</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 11 January 2021.
<b>LI Jing</b>	# <u>LI Jing</u> , <i>Investigation of the Toxicokinetics of Dietary Pacific Ciguatoxins (P-CTXs) in Orange-Spotted Grouper and the Trophodynamics of Marine Lipophilic Phycotoxins in a Food Web in the South China Sea</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 24 May 2021.
<b>LIU Ling Sum</b>	# <u>LIU Ling Sum</u> , <i>Fundamental Studies on the Threose Nucleic Acid and Photocleavable DNA Oligonucleotides</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 23 March 2021.
<b>LIU Tiantian</b>	# <u>LIU Tiantian</u> , <i>Composition and Interface Engineering for Stable and Highly Efficient Wide Bandgap Perovskite Solar Cells</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 18 December 2020.
<b>MIN Di</b>	# <u>MIN Di</u> , <i>Mechanism and Regulation of Organic and Heavy Metal Pollutants Transformation in Extracellular Respiratory Bacteria</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 03 July 2020.
<b>MO Jiezhong</b>	# <u>MO Jiezhong</u> , <i>Unraveling the Genetic and Epigenetic Pathways Underlying Transgenerational Vertebral Deformity Induced by Benzo[a]pyrene Using the Unique Double Transgenic Medaka Bone Model</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 24 July 2020.
<b>NG Sze Wing</b>	# <u>NG Sze Wing</u> , <i>Synthesis of Iron(II)- and Ruthenium(II)-Heterocyclic Complexes via Metal-Induced Cycloisomerization of Phenol-/Pyridine-Tethered Alkynes</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 16 September 2020.
<b>SHEN Dong</b>	# <u>SHEN Dong</u> , <i>Studies of Interfaces between Organic and Inorganic Semiconductors and Applications of Their Charge Transfer Complexes in Organic Optoelectronic Devices</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 31 August 2020.
<b>TAM Dick Yan</b>	# <u>TAM Dick Yan</u> , <i>Development of Multifunctional DNA-based Nanomaterials for Biomedical and Nanotechnological Applications</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 21 December 2020.
<b>UMAR Mubarak Ishaq</b>	# <u>UMAR Mubarak Ishaq</u> , <i>Characterization and Targeting of G-quadruplex Structures</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 31 August 2020.

Section A: Publications of PhD Students

<b>WU Rongben</b>	#WU Rongben, <i>Occurrence, Fate and Ecological Risk Assessment of Selected (Chiral) Psychiatric Pharmaceuticals and Antibiotics in the Marine Environment of the Pearl River Estuary, South China</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 02 June 2021.
<b>WU Shengfan</b>	#WU Shengfan, <i>Integrated Materials and Device Engineering Towards High-Performance Perovskite Solar Cells</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 15 October 2020.
<b>XIA Yeqing</b>	#XIA Yeqing, <i>Conformationally Rigid Binuclear Zinc(II)-Schiff Base Complexes: Synthesis, Characterization and Efficient Catalysts for Coupling of Carbon Dioxide with Epoxides</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 07 September 2020.
<b>YANG Liu</b>	#YANG Liu, <i>Development of Benzodioxazole-based Fluorescent Probes and Peptide-based Hydrogels for Biological Applications</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 13 August 2020.
<b>YAU Man Shan</b>	#YAU Man Shan, <i>A Targeted Neurometabolomics Study on the Behaviour Alterations in Zebrafish Induced by Fluoxetine</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 19 April 2021.
<b>YEUNG Chi Fung</b>	#YEUNG Chi Fung, <i>Activation of Heteroatom-Functionalized Alkynes by <math>d_6</math> Transition-Metal Complexes</i> , PhD Thesis, Department of Chemistry, City University of Hong Kong, Hong Kong, PRC, 29 June 2021.
<b>DEPARTMENT OF MATHEMATICS</b>	
<b>Journal publications</b>	
<b>GU Diandian</b>	#GU Diandian, FU Chenbo, DAI Hui-Hui, RAJAGOPAL K. R., "Asymptotic beam theory for non-classical elastic materials", <i>International Journal of Mechanical Sciences</i> , 189, 24 July 2020, doi: <a href="https://doi.org/10.1016/j.ijmecsci.2020.105950">https://doi.org/10.1016/j.ijmecsci.2020.105950</a> .
<b>HUANG Shuo</b>	#FANG Zhiying, FENG Han, #HUANG Shuo, ZHOU Dingxuan, "Theory of deep convolutional neural networks II: Spherical analysis", <i>Neural Networks</i> , 131, 06 August 2020, pp 154-162, doi: <a href="https://doi.org/10.1016/j.neunet.2020.07.029">https://doi.org/10.1016/j.neunet.2020.07.029</a> .
<b>LIANG Qiantong</b>	#LIANG Qiantong, ZHU Anqiang, "On the curvature estimates for the conformal Ricci flow", <i>Journal of Mathematical Analysis and Applications</i> , 498(2), 15 January 2021, doi: <a href="https://doi.org/10.1016/j.jmaa.2021.124965">https://doi.org/10.1016/j.jmaa.2021.124965</a> .
<b>LIU Jiamin</b>	LIAN Heng, #LIU Jiamin, FAN Zengyan, "Distributed learning for sketched kernel regression", <i>Neural Networks</i> , 143, 25 June 2021, pp 368-376, doi: <a href="https://doi.org/10.1016/j.neunet.2021.06.020">https://doi.org/10.1016/j.neunet.2021.06.020</a> .
<b>LIU Qunjie</b>	#LIU Qunjie, ZHANG Shun, "Adaptive Flux-Only Least-Squares Finite Element Methods for Linear Transport Equations", <i>Journal of Scientific Computing</i> , 84(2), 20 July 2020, doi: <a href="https://doi.org/10.1007/s10915-020-01269-y">https://doi.org/10.1007/s10915-020-01269-y</a> .
<b>LIU Yue</b>	#LIU Yue, LO Wing Cheong, "Stability analysis and optimal control of production-limiting disease in farm with two vaccines", <i>Discrete and Continuous Dynamical Systems - Series B</i> , February 2021, doi: <a href="https://doi.org/10.3934/dcdsb.2021058">https://doi.org/10.3934/dcdsb.2021058</a> .
	#LIU Yue, MAGOURAS Ioannis, LO Wing Cheong, "Modelling and Analyzing the Potential Controls for <i>Neospora caninum</i> Infection in Dairy Cattle Using an Epidemic Approach", <i>Complexity</i> , 2021, 03 May 2021, doi: <a href="https://doi.org/10.1155/2021/5529987">https://doi.org/10.1155/2021/5529987</a> .
	#LIU Yue, LO Wing Cheong, "Deterministic and stochastic analysis for different types of regulations in the spontaneous emergence of cell polarity", <i>Chaos, Solitons and Fractals</i> , 144, 15 January 2021, doi: <a href="https://doi.org/10.1016/j.chaos.2020.110620">https://doi.org/10.1016/j.chaos.2020.110620</a> .
<b>LU Wenqi</b>	LI Rui, #LU Wenqi, ZHU Zhongyi, LIAN Heng, "Optimal prediction of quantile functional linear regression in reproducing kernel Hilbert spaces", <i>Journal of Statistical Planning and Inference</i> , 211, 03 July 2020, pp 162-170, doi: <a href="https://doi.org/10.1016/j.jspi.2020.06.010">https://doi.org/10.1016/j.jspi.2020.06.010</a> .
	#LU Wenqi, ZHU Zhongyi, LIAN Heng, "High-dimensional Quantile Tensor Regression", <i>Journal of Machine Learning Research</i> , 21, October 2020.
<b>MIAO Yingting</b>	HUANG Zhehao, #MIAO Yingting, WANG Zhenzhen, "Free boundary problem pricing defaultable corporate bonds with multiple credit rating migration risk and stochastic interest rate", <i>AIMS Mathematics</i> , 5(6), 22 October 2020, pp 7746-7775, doi: <a href="https://doi.org/10.3934/math.2020495">https://doi.org/10.3934/math.2020495</a> .

Section A: Publications of PhD Students

<b>MU Yu</b>	#MU Yu, <u>LO Wing Cheong</u> , "Stochastic dynamics of populations with refuge in polluted turbidostat", <i>Chaos, Solitons and Fractals</i> , 147, 14 May 2021, doi: <a href="https://doi.org/10.1016/j.chaos.2021.110963">https://doi.org/10.1016/j.chaos.2021.110963</a> .
	#MU Yu, <u>LO Wing Cheong</u> , "DYNAMICS OF THE FOOD-CHAIN POPULATION IN A POLLUTED ENVIRONMENT WITH IMPULSIVE INPUT OF TOXICANT", <i>Discrete and Continuous Dynamical Systems - Series B</i> , 26(8), September 2020, pp 4173-4190, doi: <a href="https://doi.org/10.3934/dcdsb.2020279">https://doi.org/10.3934/dcdsb.2020279</a> .
<b>QI Kunlun</b>	HU Jingwei, #QI Kunlun, "A fast Fourier spectral method for the homogeneous Boltzmann equation with non-cutoff collision kernels", <i>Journal of Computational Physics</i> , 423, 31 August 2020, doi: <a href="https://doi.org/10.1016/j.jcp.2020.109806">https://doi.org/10.1016/j.jcp.2020.109806</a> .
	HU Jingwei, #QI Kunlun, <u>YANG Tong</u> , "A NEW STABILITY AND CONVERGENCE PROOF OF THE FOURIER--GALERKIN SPECTRAL METHOD FOR THE SPATIALLY HOMOGENEOUS BOLTZMANN EQUATION", <i>SIAM Journal on Numerical Analysis</i> , 59(2), 04 March 2021, pp 613–633, doi: <a href="https://doi.org/10.1137/20M1351813">https://doi.org/10.1137/20M1351813</a> .
	#QI Kunlun, "On the Measure Valued Solution to the Inelastic Boltzmann Equation with Soft Potentials", <i>Journal of Statistical Physics</i> , 183(2), 04 May 2021, doi: <a href="https://doi.org/10.1007/s10955-021-02762-w">https://doi.org/10.1007/s10955-021-02762-w</a> .
<b>WANG Yanlin</b>	#WANG Yanlin, "BOUNDARY LAYER AND ASYMPTOTIC STABILITY FOR THE NAVIER-STOKES-POISSON EQUATIONS WITH NONSLIP BOUNDARY CONDITIONS", <i>Communications in Mathematical Sciences</i> , 19(4), 2021, pp 977-991, doi: <a href="https://doi.org/10.4310/cms.2021.v19.n4.a5">https://doi.org/10.4310/cms.2021.v19.n4.a5</a> .
	<u>LUO Tao</u> , #WANG Yanlin, "Multi-scale nonlinear singular limit for thermal non-equilibrium gas flow with multiple non-equilibrium modes for analytic data in multi-dimensions with physical boundaries", <i>Journal of Mathematical Physics</i> , 61(10), 20 October 2020, doi: <a href="https://doi.org/10.1063/5.0025752">https://doi.org/10.1063/5.0025752</a> .
<b>WANG Yue</b>	ZHENG Zemin, #WANG Yue, YU Yugang, LI Yang, "Scalable inference for high-dimensional precision matrix", <i>Communications in Statistics - Theory and Methods</i> , 24 February 2021, doi: <a href="https://doi.org/10.1080/03610926.2021.1890778">https://doi.org/10.1080/03610926.2021.1890778</a> .
<b>WU Chengda</b>	LI Dongfang, SUN Weiwei, #WU Chengda, "A Novel Numerical Approach to Time-Fractional Parabolic Equations with Nonsmooth Solutions", <i>Numerical Mathematics</i> , 14(2), January 2021, pp 355-376, doi: <a href="https://doi.org/10.4208/NMTMA.OA-2020-0129">https://doi.org/10.4208/NMTMA.OA-2020-0129</a> .
	SUN Weiwei, #WU Chengda, "NEW ANALYSIS OF GALERKIN-MIXED FEMs FOR INCOMPRESSIBLE MISCIBLE FLOW IN POROUS MEDIA", <i>Mathematics of Computation</i> , 90(327), 08 September 2020, pp 81-102, doi: <a href="https://doi.org/10.1090/mcom/3561">https://doi.org/10.1090/mcom/3561</a> .
<b>XIAO Yuchen</b>	#XIAO Yuchen, <u>ZHUANG Xiaosheng</u> , "Adaptive Directional Haar Tight Framelets on Bounded Domains for Digraph Signal Representations", <i>Journal of Fourier Analysis and Applications</i> , 27(2), 19 February 2021, doi: <a href="https://doi.org/10.1007/s00041-021-09816-3">https://doi.org/10.1007/s00041-021-09816-3</a> .
<b>YAO Wuguannan</b>	#CUI Yufei, #YAO Wuguannan, #LI Qiao, <u>CHAN Antoni Bert</u> , <u>XUE Chun Jason</u> , "Accelerating Monte Carlo Bayesian Prediction via Approximating Predictive Uncertainty Over the Simplex", <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 23 December 2020, doi: <a href="https://doi.org/10.1109/TNNLS.2020.3042525">https://doi.org/10.1109/TNNLS.2020.3042525</a> .
<b>YU Xiang</b>	LI Jiyou, #YU Xiang, "A new sieve for restricted multiset counting", <i>Discrete Mathematics</i> , 344(8), 28 May 2021, doi: <a href="https://doi.org/10.1016/j.disc.2021.112487">https://doi.org/10.1016/j.disc.2021.112487</a> .
<b>YU Zhan</b>	#YU Zhan, <u>HO Wing Cheong Daniel</u> , YUAN Deming, "Distributed Randomized Gradient-Free Mirror Descent Algorithm for Constrained Optimization", <i>IEEE Transactions on Automatic Control</i> , 27 April 2021, doi: <a href="https://doi.org/10.1109/TAC.2021.3075669">https://doi.org/10.1109/TAC.2021.3075669</a> .
<b>ZHONG Hua</b>	LIU Hairong, <u>LUO Tao</u> , #ZHONG Hua, "Global solutions to compressible Navier-Stokes-Poisson and Euler-Poisson equations of plasma on exterior domains", <i>Journal of Differential Equations</i> , 269(11), 13 July 2020, pp 9936-10001, doi: <a href="https://doi.org/10.1016/j.jde.2020.07.005">https://doi.org/10.1016/j.jde.2020.07.005</a> .
<b>Conference papers</b>	
<b>YAO Wuguannan</b>	#CUI Yufei, #LIU Ziquan, #YAO Wuguannan, #LI Qiao, <u>CHAN Antoni Bert</u> , <u>KUO Tei-Wei</u> , <u>XUE Chun Jason</u> , "Fully Nested Neural Network for Adaptive Compression and Quantization", <i>Proceedings of the Twenty-Ninth International Joint Conference on Artificial Intelligence</i> , Virtual, Yokohama, Japan, 07-15 January 2021, pp 2080-2087, (ISBN: 978-0-9992411-6-5).

Section A: Publications of PhD Students

	# <u>YAO Wuguannan</u> , <u>LEE Wonjung</u> , <u>WANG Junhui</u> , "Learning from Crowds via Joint Probabilistic Matrix Factorization and Clustering in Latent Space", <i>Machine Learning and Knowledge Discovery in Databases - Applied Data Science Track - European Conference, ECML PKDD 2020, Proceedings</i> , virtual, Ghent, Belgium, 14-18 September 2020, pp 546-561, (ISBN: 9783030676667,9783030676674).
<b>All other outputs</b>	
<b>DENG Dingqun</b>	# <u>DENG Dingqun</u> , <i>Dissipation and Semigroup on Weighted Sobolev Space: Linearized Boltzmann Operator</i> , PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 20 April 2021.
<b>LEI Min</b>	# <u>LEI Min</u> , <i>Improved Meshless Computational Methods for Solving Multi-Dimensional Problems</i> , PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 24 August 2020.
<b>LIU Yue</b>	# <u>LIU Yue</u> , <i>Deterministic and Stochastic Analysis for the Spontaneous Emergence of Cell Polarity in Budding Yeast with Different Regulations</i> , PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 25 June 2021.
<b>MIAO Yingting</b>	# <u>MIAO Yingting</u> , <i>Optimal Strategies for Managing Portfolio with Transaction Costs and Consumption</i> , PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 03 August 2020.
<b>MU Yu</b>	# <u>MU Yu</u> , <i>Dynamics of Microorganism Cultivation and Biological Populations: Stochastic, Delay and Impulsive Effects</i> , PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 25 June 2021.
<b>QI Kunlun</b>	# <u>QI Kunlun</u> , <i>Research on the Kinetic Type Equations with Relevant Numerical Methods</i> , PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 29 April 2021.
<b>WU Chengda</b>	# <u>WU Chengda</u> , <i>Numerical Analysis of Galerkin-FEMs for Strongly Coupled Nonlinear Parabolic Equations</i> , PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 27 August 2020.
<b>YAO Luming</b>	# <u>YAO Luming</u> , <i>Discrete Orthogonal Polynomials and Their Applications in Non-Intersecting Bessel Paths</i> , PhD Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 09 April 2021.
<b>DEPARTMENT OF PHYSICS</b>	
<b>Journal publications</b>	
<b>AI Shiqi</b>	# <u>LI Yuhua</u> , <u>KANG Zhe</u> , <u>ZHU Kun</u> , # <u>AI Shiqi</u> , <u>WANG Xiang</u> , <u>DAVIDSON Roy R.</u> , <u>WU Yan</u> , <u>MORANDOTTI Roberto</u> , <u>LITTLE Brent E.</u> , <u>MOSS David J.</u> , <u>CHU Sai Tak</u> , "All-optical RF spectrum analyzer with a 5 THz bandwidth based on CMOS-compatible high-index doped silica waveguides", <i>Optics Letters</i> , 46(7), 19 March 2021, pp 1574-1577, doi: <a href="https://doi.org/10.1364/OL.420716">https://doi.org/10.1364/OL.420716</a> .
<b>BU Xiuming</b>	# <u>BU Xiuming</u> , <u>LI Yanguang</u> , <u>HO Johnny Chung Yin</u> , "Efficient and stable electrocatalysts for water splitting", <i>MRS Bulletin</i> , 45(7), 13 July 2020, pp 531-538, doi: <a href="https://doi.org/10.1557/mrs.2020.170">https://doi.org/10.1557/mrs.2020.170</a> .
	# <u>LI Fangzhou</u> , # <u>MENG You</u> , # <u>KANG Xiaolin</u> , <u>YIP Sen Po</u> , # <u>BU Xiuming</u> , # <u>ZHANG Heng</u> , <u>HO Johnny Chung Yin</u> , "High-mobility In and Ga co-doped ZnO nanowires for high-performance transistors and ultraviolet photodetectors", <i>Nanoscale</i> , 12(30), 07 July 2020, pp 16153-16161, doi: <a href="https://doi.org/10.1039/d0nr03740k">https://doi.org/10.1039/d0nr03740k</a> .
	# <u>LAI Zhengxun</u> , # <u>MENG You</u> , # <u>ZHU Qi</u> , <u>WANG Fei</u> , # <u>BU Xiuming</u> , # <u>LI Fangzhou</u> , # <u>WANG Wei</u> , <u>LIU Chuntai</u> , <u>WANG Feng</u> , <u>HO Johnny Chung Yin</u> , "High-Performance Flexible Self-Powered Photodetectors Utilizing Spontaneous Electron and Hole Separation in Quasi-2D Halide Perovskites", <i>Small</i> , 17(23), 23 April 2021, doi: <a href="https://doi.org/10.1002/smll.202100442">https://doi.org/10.1002/smll.202100442</a> .
	# <u>MENG You</u> , # <u>LAI Zhengxun</u> , # <u>LI Fangzhou</u> , # <u>WANG Wei</u> , <u>YIP Sen Po</u> , # <u>QUAN Quan</u> , # <u>BU Xiuming</u> , <u>WANG Fei</u> , <u>BAO Yan</u> , <u>HOSOMI Takuro</u> , <u>TAKAHASHI Tsunaki</u> , <u>NAGASHIMA Kazuki</u> , <u>YANAGIDA Takeshi</u> , <u>LU Jian</u> , <u>HO Johnny Chung Yin</u> , "Perovskite Core-Shell Nanowire Transistors: Interfacial Transfer Doping and Surface Passivation", <i>ACS Nano</i> , 14(10), 10 September 2020, pp 12749-12760, doi: <a href="https://doi.org/10.1021/acsnano.0c03101">https://doi.org/10.1021/acsnano.0c03101</a> .
	<u>LAN Changyong</u> , # <u>KANG Xiaolin</u> , # <u>MENG You</u> , <u>WEI Renjie</u> , # <u>BU Xiuming</u> , <u>YIP Sen Po</u> , <u>HO Johnny Chung Yin</u> , "The origin of gate bias stress instability and hysteresis in monolayer WS <sub>2</sub>

## Section A: Publications of PhD Students

	<p>transistors", <i>Nano Research</i>, 13(12), 05 September 2020, pp 3278-3285, doi: <a href="https://doi.org/10.1007/s12274-020-3003-6">https://doi.org/10.1007/s12274-020-3003-6</a>.</p> <p>#BU Xiuming, <a href="#">LIANG Xiongyi</a>, #EGBO Kingsley Onyekachi, #LI Zebiao, #MENG You, #QUAN Quan, <a href="#">LI Yangyang</a>, <a href="#">YU Kin Man</a>, <a href="#">WU Lawrence</a>, <a href="#">HO Johnny Chung Yin</a>, "Morphology and strain control of hierarchical cobalt oxide nanowire electrocatalysts via solvent effect", <i>Nano Research</i>, 13(11), 15 August 2020, pp 3130–3136, doi: <a href="https://doi.org/10.1007/s12274-020-2983-6">https://doi.org/10.1007/s12274-020-2983-6</a>.</p> <p><a href="#">LI Dapan</a>, <a href="#">YIP Sen Po</a>, #LI Fangzhou, #ZHANG Heng, #MENG You, #BU Xiuming, #KANG Xiaolin, <a href="#">LAN Changyong</a>, <a href="#">LIU Chuntai</a>, <a href="#">HO Johnny Chung Yin</a>, "Flexible Near-Infrared InGaSb Nanowire Array Detectors with Ultrafast Photoconductive Response Below 20 <math>\mu</math>s", <i>Advanced Optical Materials</i>, 8(22), 22 September 2020, doi: <a href="https://doi.org/10.1002/adom.202001201">https://doi.org/10.1002/adom.202001201</a>.</p> <p>#<a href="#">LAI Zhengxun</a>, <a href="#">DONG Ruoting</a>, #<a href="#">ZHU Qi</a>, #MENG You, <a href="#">WANG Fei</a>, #LI Fangzhou, #BU Xiuming, #KANG Xiaolin, #ZHANG Heng, #QUAN Quan, #WANG Wei, <a href="#">WANG Feng</a>, <a href="#">YIP Sen Po</a>, <a href="#">HO Johnny Chung Yin</a>, "Bication-Mediated Quasi-2D Halide Perovskites for High-Performance Flexible Photodetectors: From Ruddlesden-Popper Type to Dion-Jacobson Type", <i>ACS applied materials &amp; interfaces</i>, 12(35), 07 August 2020, pp 39567-39577, doi: <a href="https://doi.org/10.1021/acsami.0c09651">https://doi.org/10.1021/acsami.0c09651</a>.</p> <p>#BU Xiuming, <a href="#">WEI Renjie</a>, <a href="#">CAI Zhengyang</a>, #QUAN Quan, #ZHANG Heng, #WANG Wei, #LI Fangzhou, <a href="#">YIP Sen Po</a>, #MENG You, <a href="#">CHAN Kwok Sum</a>, <a href="#">WANG Xianying</a>, <a href="#">HO Johnny Chung Yin</a>, "More than physical support: The effect of nickel foam corrosion on electrocatalytic performance", <i>Applied Surface Science</i>, 538, 28 September 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.147977">https://doi.org/10.1016/j.apsusc.2020.147977</a>.</p> <p><a href="#">GAO Wei</a>, <a href="#">GOU Wangyan</a>, <a href="#">WEI Renjie</a>, #BU Xiuming, <a href="#">MA Yuanyuan</a>, <a href="#">HO Johnny Chung Yin</a>, "In situ electrochemical conversion of cobalt oxide@MOF-74 core-shell structure as an efficient and robust electrocatalyst for water oxidation", <i>Applied Materials Today</i>, 21, 13 September 2020, doi: <a href="https://doi.org/10.1016/j.apmt.2020.100820">https://doi.org/10.1016/j.apmt.2020.100820</a>.</p> <p>#QUAN Quan, #LAI Zhengxun, <a href="#">BAO Yan</a>, #BU Xiuming, #MENG You, #WANG Wei, <a href="#">TAKAHASHI Tsunaki</a>, <a href="#">HOSOMI Takuro</a>, <a href="#">NAGASHIMA Kazuki</a>, <a href="#">YANAGIDA Takeshi</a>, <a href="#">LIU Chuntai</a>, <a href="#">LU Jian</a>, <a href="#">HO Johnny Chung Yin</a>, "Self-Anti-Stacking 2D Metal Phosphide Loop-Sheet Heterostructures by Edge-Topological Regulation for Highly Efficient Water Oxidation", <i>Small</i>, 17(7), 22 January 2021, doi: <a href="https://doi.org/10.1002/sml.202006860">https://doi.org/10.1002/sml.202006860</a>.</p> <p>#MENG You, #LI Fangzhou, <a href="#">LAN Changyong</a>, #BU Xiuming, #KANG Xiaolin, <a href="#">WEI Renjie</a>, <a href="#">YIP Sen Po</a>, <a href="#">LI Dapan</a>, <a href="#">WANG Fei</a>, <a href="#">TAKAHASHI Tsunaki</a>, <a href="#">HOSOMI Takuro</a>, <a href="#">NAGASHIMA Kazuki</a>, <a href="#">YANAGIDA Takeshi</a>, <a href="#">HO Johnny Chung Yin</a>, "Artificial visual systems enabled by quasi-two-dimensional electron gases in oxide superlattice nanowires", <i>Science Advances</i>, 6(46), 11 November 2020, doi: <a href="https://doi.org/10.1126/sciadv.abc6389">https://doi.org/10.1126/sciadv.abc6389</a>.</p> <p><a href="#">LAN Changyong</a>, <a href="#">YIP Sen Po</a>, #KANG Xiaolin, #MENG You, #BU Xiuming, <a href="#">HO Johnny Chung Yin</a>, "Gate Bias Stress Instability and Hysteresis Characteristics of InAs Nanowire Field-Effect Transistors", <i>ACS Applied Materials and Interfaces</i>, 12(50), 08 December 2020, pp 56330–56337, doi: <a href="https://doi.org/10.1021/acsami.0c17317">https://doi.org/10.1021/acsami.0c17317</a>.</p>
<b>CHAN Guo Xuan</b>	# <a href="#">CHAN Guo Xuan</a> , <a href="#">KESTNER J. P.</a> , <a href="#">WANG Xin Sunny</a> , "Charge noise suppression in capacitively coupled singlet-triplet spin qubits under magnetic field", <i>Physical Review B</i> , 103(16), 15 April 2021, doi: <a href="https://doi.org/10.1103/PhysRevB.103.L161409">https://doi.org/10.1103/PhysRevB.103.L161409</a> .
<b>CHEN Jialu</b>	# <a href="#">CHEN Jialu</a> , <a href="#">ZHANG Ruiqin</a> , "Strong Interaction between Cyclo[18]Carbon and Graphene", <i>Advanced Theory and Simulations</i> , 4(5), 26 March 2021, doi: <a href="https://doi.org/10.1002/adts.202100022">https://doi.org/10.1002/adts.202100022</a> .
<b>CHENG Yuqiong</b>	<a href="#">SHI Hongkang</a> , #CHENG Yuqiong, #YANG Zheng, <a href="#">CHEN Yuntian</a> , <a href="#">WANG Shubo</a> , "Optical isolation induced by subwavelength spinning particle via spin-orbit interaction", <i>Physical Review B</i> , 103(9), 01 March 2021, doi: <a href="https://doi.org/10.1103/PhysRevB.103.094105">https://doi.org/10.1103/PhysRevB.103.094105</a> .
<b>DONG Weixia</b>	#DONG Weixia, <a href="#">WU Zhenduo</a> , <a href="#">GE Jiacheng</a> , <a href="#">LIU Sinan</a> , <a href="#">LAN Si</a> , <a href="#">GILBERT Elliot Paul</a> , <a href="#">REN Yang</a> , <a href="#">MA Dong</a> , <a href="#">WANG Xun-Li</a> , "In situ neutron scattering studies of a liquid-liquid phase transition in the supercooled liquid of a Zr-Cu-Al-Ag glass-forming alloy", <i>Applied Physics Letters</i> , 118(19), 10 May 2021, doi: <a href="https://doi.org/10.1063/5.0048486">https://doi.org/10.1063/5.0048486</a> .
<b>EGBO Kingsley Onyekachi</b>	#EGBO Kingsley Onyekachi, <a href="#">LIU Chaoping</a> , <a href="#">EKUMA Chinedu E.</a> , <a href="#">YU Kin Man</a> , "Vacancy defects induced changes in the electronic and optical properties of NiO studied by spectroscopic



	ellipsometry and first-principles calculations", <i>Journal of Applied Physics</i> , 128(13), 07 October 2020, doi: <a href="https://doi.org/10.1063/5.0021650">https://doi.org/10.1063/5.0021650</a> .
	#BU Xiuming, <a href="#">LIANG Xiongyi</a> , #EGBO Kingsley Onyekachi, #LI Zebiao, #MENG You, #QUAN Quan, <a href="#">LI Yangyang</a> , <a href="#">YU Kin Man</a> , <a href="#">WU Lawrence</a> , <a href="#">HO Johnny Chung Yin</a> , "Morphology and strain control of hierarchical cobalt oxide nanowire electrocatalysts via solvent effect", <i>Nano Research</i> , 13(11), 15 August 2020, pp 3130–3136, doi: <a href="https://doi.org/10.1007/s12274-020-2983-6">https://doi.org/10.1007/s12274-020-2983-6</a> .
	HILE D. D., SWART H. C., MOTLOUNG S. V., MOTAUNG T. E., KROON R. E., #EGBO Kingsley Onyekachi, PAWADE V. B., KOAO L. F., "Synthesis and characterization of europium doped zinc selenide thin films prepared by photo-assisted chemical bath technique for luminescence application", <i>Materials Chemistry and Physics</i> , 262, 23 January 2021, doi: <a href="https://doi.org/10.1016/j.matchemphys.2021.124303">https://doi.org/10.1016/j.matchemphys.2021.124303</a> .
	#EGBO Kingsley Onyekachi, #SHIL Sujit Kumer, #KWOK Cheuk Kai Gary, <a href="#">WANG Ying</a> , <a href="#">LIU Chaoping</a> , <a href="#">YU Kin Man</a> , "Band alignment of wide bandgap NiO/MoO <sub>3</sub> and NiO/WO <sub>3</sub> <i>p-n</i> heterojunctions studied by high-resolution X-ray photoelectron spectroscopy", <i>Journal of Alloys and Compounds</i> , 876, 30 April 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2021.160136">https://doi.org/10.1016/j.jallcom.2021.160136</a> .
	<a href="#">LIU Chaoping</a> , #HO Chun Yuen, #EGBO Kingsley Onyekachi, <a href="#">LI Zhan Hua</a> , <a href="#">XU Cong Kang</a> , <a href="#">YU Kin Man</a> , "Optoelectronic properties and doping of magnetron sputtered highly mismatched ZnO <sub>1-x</sub> Te <sub>x</sub> alloy thin films", <i>Journal of Alloys and Compounds</i> , 852, 31 August 2020, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.156950">https://doi.org/10.1016/j.jallcom.2020.156950</a> .
	#SHIL Sujit Kumer, <a href="#">WANG Fei</a> , #LAI Zhengxun, #MENG You, <a href="#">WANG Yunpeng</a> , <a href="#">ZHAO Dongxu</a> , #HOSSAIN Mohammad Kamal, #EGBO Kingsley Onyekachi, <a href="#">WANG Ying</a> , <a href="#">YU Kin Man</a> , <a href="#">HO Johnny Chung Yin</a> , "Crystalline all-inorganic lead-free Cs <sub>3</sub> Sb <sub>2</sub> I <sub>9</sub> perovskite microplates with ultra-fast photoconductive response and robust thermal stability", <i>Nano Research</i> , 13 March 2021, doi: <a href="https://doi.org/10.1007/s12274-021-3351-x">https://doi.org/10.1007/s12274-021-3351-x</a> .
	#EGBO Kingsley Onyekachi, <a href="#">EKUMA Chinedu E.</a> , <a href="#">LIU Chaoping</a> , <a href="#">YU Kin Man</a> , "Efficient <i>p</i> -type doping of sputter-deposited NiO thin films with Li, Ag, and Cu acceptors", <i>Physical Review Materials</i> , 4(10), 20 October 2020, doi: <a href="https://doi.org/10.1103/PhysRevMaterials.4.104603">https://doi.org/10.1103/PhysRevMaterials.4.104603</a> .
	#EGBO Kingsley Onyekachi, <a href="#">LIU Chaoping</a> , #HOSSAIN Mohammad Kamal, #HO Chun Yuen, #KWOK Cheuk Kai Gary, #SHIL Sujit Kumer, #EZEHI Chioma Vivian, <a href="#">WANG Ying</a> , <a href="#">YU Kin Man</a> , "Controlling the <i>p</i> -Type Conductivity and Composition Range for Bipolar Conduction in Ni <sub>x</sub> Cd <sub>1-x</sub> O Alloys by Acceptor Doping", <i>Journal of Physical Chemistry C</i> , 124(37), 25 August 2020, pp 20000-20009, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c05750">https://doi.org/10.1021/acs.jpcc.0c05750</a> .
	#MUSAH Jamal-Deen, #ILYAS Abdul-mojeed Olabisi, NOVITSKII Andrei, SERHIENKO Illia, #EGBO Kingsley Onyekachi, SAIANAND Gopalan, KHOVAYLO Vladimir, KWOFIE Samuel, <a href="#">YU Kin Man</a> , <a href="#">VELLAISAMY Arul Lenus Roy</a> , "Effective decoupling of seebeck coefficient and the electrical conductivity through isovalent substitution of erbium in bismuth selenide thermoelectric material", <i>Journal of Alloys and Compounds</i> , 857, 13 October 2020, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.157559">https://doi.org/10.1016/j.jallcom.2020.157559</a> .
EZEHI Chioma Vivian	#EGBO Kingsley Onyekachi, <a href="#">LIU Chaoping</a> , #HOSSAIN Mohammad Kamal, #HO Chun Yuen, #KWOK Cheuk Kai Gary, #SHIL Sujit Kumer, #EZEHI Chioma Vivian, <a href="#">WANG Ying</a> , <a href="#">YU Kin Man</a> , "Controlling the <i>p</i> -Type Conductivity and Composition Range for Bipolar Conduction in Ni <sub>x</sub> Cd <sub>1-x</sub> O Alloys by Acceptor Doping", <i>Journal of Physical Chemistry C</i> , 124(37), 25 August 2020, pp 20000-20009, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c05750">https://doi.org/10.1021/acs.jpcc.0c05750</a> .
HE Haiyan	#NAEEM Muhammad, #HE Haiyan, HARJO Stefanus, KAWASAKI Takuro, ZHANG Fan, <a href="#">WANG Bing</a> , <a href="#">LAN Si</a> , <a href="#">WU Zhenduo</a> , <a href="#">WU Yuan</a> , <a href="#">LU Zhaoping</a> , <a href="#">LIU Chain Tsuan</a> , <a href="#">WANG Xun-Li</a> , "Extremely high dislocation density and deformation pathway of CrMnFeCoNi high entropy alloy at ultralow temperature", <i>Scripta Materialia</i> , 188, 13 July 2020, pp 21-25, doi: <a href="https://doi.org/10.1016/j.scriptamat.2020.07.004">https://doi.org/10.1016/j.scriptamat.2020.07.004</a> .
	#HE Haiyan, #NAEEM Muhammad, ZHANG Fan, <a href="#">ZHAO Yilu</a> , HARJO Stefanus, KAWASAKI Takuro, <a href="#">WANG Bing</a> , <a href="#">WU Xuelian</a> , <a href="#">LAN Si</a> , <a href="#">WU Zhenduo</a> , <a href="#">YIN Wen</a> , <a href="#">WU Yuan</a> , <a href="#">LU Zhaoping</a> , <a href="#">KAI Ji-jung</a> , <a href="#">LIU Chain Tsuan</a> , <a href="#">WANG Xun-Li</a> , "Stacking Fault Driven Phase Transformation in CrCoNi Medium Entropy Alloy", <i>Nano Letters</i> , 21(3), 19 January 2021, pp 1419–1426, doi: <a href="https://doi.org/10.1021/acs.nanolett.0c04244">https://doi.org/10.1021/acs.nanolett.0c04244</a> .

## Section A: Publications of PhD Students

<b>HO Chun Yuen</b>	<p><a href="#">LIU Chaoping</a>, <a href="#">#HO Chun Yuen</a>, <a href="#">#EGBO Kingsley Onyekachi</a>, LI Zhan Hua, XU Cong Kang, <a href="#">YU Kin Man</a>, "Optoelectronic properties and doping of magnetron sputtered highly mismatched ZnO<sub>1-x</sub>Tex alloy thin films", <i>Journal of Alloys and Compounds</i>, 852, 31 August 2020, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.156950">https://doi.org/10.1016/j.jallcom.2020.156950</a>.</p>
<b>HOSSAIN Mohammad Kamal</b>	<p><a href="#">#EGBO Kingsley Onyekachi</a>, <a href="#">LIU Chaoping</a>, <a href="#">#HOSSAIN Mohammad Kamal</a>, <a href="#">#HO Chun Yuen</a>, <a href="#">#KWOK Cheuk Kai Gary</a>, <a href="#">#SHIL Sujit Kumer</a>, <a href="#">#EZEH Chioma Vivian</a>, <a href="#">WANG Ying</a>, <a href="#">YU Kin Man</a>, "Controlling the p-Type Conductivity and Composition Range for Bipolar Conduction in Ni<sub>x</sub>Cd<sub>1-x</sub>O Alloys by Acceptor Doping", <i>Journal of Physical Chemistry C</i>, 124(37), 25 August 2020, pp 20000-20009, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c05750">https://doi.org/10.1021/acs.jpcc.0c05750</a>.</p> <p><a href="#">#HOSSAIN Mohammad Kamal</a>, <a href="#">GUO Pengfei</a>, <a href="#">QARONY Wayesh</a>, <a href="#">TSANG Yuen H.</a>, <a href="#">LIU Chaoping</a>, <a href="#">TSANG Sai Wing</a>, <a href="#">HO Johnny Chung Yin</a>, <a href="#">YU Kin Man</a>, "Controllable optical emission wavelength in all-inorganic halide perovskite alloy microplates grown by two-step chemical vapor deposition", <i>Nano Research</i>, 13(11), 27 July 2020, pp 2939–2949, doi: <a href="https://doi.org/10.1007/s12274-020-2951-1">https://doi.org/10.1007/s12274-020-2951-1</a>.</p> <p><a href="#">#SHIL Sujit Kumer</a>, <a href="#">WANG Fei</a>, <a href="#">#LAI Zhengxun</a>, <a href="#">#MENG You</a>, <a href="#">WANG Yunpeng</a>, <a href="#">ZHAO Dongxu</a>, <a href="#">#HOSSAIN Mohammad Kamal</a>, <a href="#">#EGBO Kingsley Onyekachi</a>, <a href="#">WANG Ying</a>, <a href="#">YU Kin Man</a>, <a href="#">HO Johnny Chung Yin</a>, "Crystalline all-inorganic lead-free Cs<sub>3</sub>Sb<sub>2</sub>I<sub>9</sub> perovskite microplates with ultra-fast photoconductive response and robust thermal stability", <i>Nano Research</i>, 13 March 2021, doi: <a href="https://doi.org/10.1007/s12274-021-3351-x">https://doi.org/10.1007/s12274-021-3351-x</a>.</p> <p><a href="#">#EGBO Kingsley Onyekachi</a>, <a href="#">LIU Chaoping</a>, <a href="#">#HOSSAIN Mohammad Kamal</a>, <a href="#">#HO Chun Yuen</a>, <a href="#">#KWOK Cheuk Kai Gary</a>, <a href="#">#SHIL Sujit Kumer</a>, <a href="#">#EZEH Chioma Vivian</a>, <a href="#">WANG Ying</a>, <a href="#">YU Kin Man</a>, "Controlling the p-Type Conductivity and Composition Range for Bipolar Conduction in Ni<sub>x</sub>Cd<sub>1-x</sub>O Alloys by Acceptor Doping", <i>Journal of Physical Chemistry C</i>, 124(37), 25 August 2020, pp 20000-20009, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c05750">https://doi.org/10.1021/acs.jpcc.0c05750</a>.</p> <p><a href="#">#HOSSAIN Mohammad Kamal</a>, <a href="#">DOS REIS Roberto</a>, <a href="#">QARONY Wayesh</a>, <a href="#">TSANG Yuen Hong</a>, <a href="#">HO Johnny Chung Yin</a>, <a href="#">YU Kin Man</a>, "Mechanism of non-catalytic chemical vapor deposition growth of all-inorganic CsPbX<sub>3</sub> (X = Br, Cl) nanowires", <i>Journal of Materials Chemistry C</i>, 9(9), 03 February 2021, pp 3229-3238, doi: <a href="https://doi.org/10.1039/D1TC00077B">https://doi.org/10.1039/D1TC00077B</a>.</p>
<b>HUANG Chao</b>	<p><a href="#">PENG Xinyan</a>, <a href="#">#HUANG Chao</a>, <a href="#">ZHANG Biao</a>, <a href="#">LIU Yunhong</a>, "Atomic-scale intercalation of amorphous MoS<sub>2</sub> nanoparticles into N-doped carbon as a highly efficient electrocatalyst for hydrogen evolution reaction", <i>International Journal of Hydrogen Energy</i>, 45, 11 August 2020, pp 27193-27201, doi: <a href="https://doi.org/10.1016/j.ijhydene.2020.07.078">https://doi.org/10.1016/j.ijhydene.2020.07.078</a>.</p> <p><a href="#">#HUANG Chao</a>, <a href="#">ZHANG Biao</a>, <a href="#">#WU Yuzheng</a>, <a href="#">#RUAN Qingdong</a>, <a href="#">#LIU Liangliang</a>, <a href="#">#SU Jianjun</a>, <a href="#">#TANG Yunqi</a>, <a href="#">LIU Rugeng</a>, <a href="#">CHU Paul Kim Ho</a>, "Experimental and Theoretical Investigation of Reconstruction and Active Phases on Honeycombed Ni<sub>3</sub>N-Co<sub>3</sub>N/C in Water Splitting", <i>Applied Catalysis B: Environmental</i>, 297, 15 June 2021, doi: <a href="https://doi.org/10.1016/j.apcatb.2021.120461">https://doi.org/10.1016/j.apcatb.2021.120461</a>.</p> <p><a href="#">PENG Xinyan</a>, <a href="#">#HUANG Chao</a>, <a href="#">ZHANG Biao</a>, <a href="#">LIU Yunhong</a>, "Vanadium carbide nanodots anchored on N doped carbon nanosheets fabricated by spatially confined synthesis as a high-efficient electrocatalyst for hydrogen evolution reaction", <i>Journal of Power Sources</i>, 490, 01 February 2021, doi: <a href="https://doi.org/10.1016/j.jpowsour.2021.229551">https://doi.org/10.1016/j.jpowsour.2021.229551</a>.</p> <p><a href="#">#LUO Yang</a>, <a href="#">#WU Yinghong</a>, <a href="#">WU Donghai</a>, <a href="#">#HUANG Chao</a>, <a href="#">#XIAO Dezhi</a>, <a href="#">CHEN Houyang</a>, <a href="#">ZHENG Shili</a>, <a href="#">CHU Paul Kim Ho</a>, "NiFe-Layered Double Hydroxide Synchronously Activated by Heterojunctions and Vacancies for the Oxygen Evolution Reaction", <i>ACS Applied Materials &amp; Interfaces</i>, 12(38), 31 August 2020, pp 42850-42858, doi: <a href="https://doi.org/10.1021/acsami.0c11847">https://doi.org/10.1021/acsami.0c11847</a>.</p>
<b>HUANG Yalan</b>	<p><a href="#">#HUANG Yalan</a>, <a href="#">ZHU He</a>, <a href="#">#ZHU Hekang</a>, <a href="#">ZHANG Jian</a>, <a href="#">REN Yang</a>, <a href="#">LIU Qi</a>, "Insight into the capacity decay mechanism of cycled LiNi<sub>0.5</sub>Co<sub>0.2</sub>Mn<sub>0.3</sub>O<sub>2</sub> cathodes via <i>in situ</i> x-ray diffraction", <i>Nanotechnology</i>, 32(29), 27 April 2021, doi: <a href="https://doi.org/10.1088/1361-6528/abf2ff">https://doi.org/10.1088/1361-6528/abf2ff</a>.</p> <p><a href="#">LIU Yanchen</a>, <a href="#">ZHU He</a>, <a href="#">#ZHU Hekang</a>, <a href="#">REN Yang</a>, <a href="#">ZHU Yizhou</a>, <a href="#">#HUANG Yalan</a>, <a href="#">DAI Liang</a>, <a href="#">DOU Shuming</a>, <a href="#">XU Jie</a>, <a href="#">SUN Cheng-Jun</a>, <a href="#">WANG Xun-Li</a>, <a href="#">DENG Yida</a>, <a href="#">YUAN Qunhui</a>, <a href="#">LIU Xingjun</a>, <a href="#">WU Junwei</a>, <a href="#">CHEN Yanan</a>, <a href="#">LIU Qi</a>, "Modulating the Surface Ligand Orientation for Stabilized Anionic Redox in Li-Rich Oxide Cathodes", <i>Advanced Energy Materials</i>, 11(13), 03 March 2021, doi: <a href="https://doi.org/10.1002/aenm.202003479">https://doi.org/10.1002/aenm.202003479</a>.</p> <p><a href="#">ZHU He</a>, <a href="#">#HUANG Yalan</a>, <a href="#">#REN Jincan</a>, <a href="#">#ZHANG Binghao</a>, <a href="#">KE Yubin</a>, <a href="#">JEN Alex</a>, <a href="#">ZHANG Qiang</a>, <a href="#">WANG Xun-Li</a>, <a href="#">LIU Qi</a>, "Bridging Structural Inhomogeneity to Functionality: Pair Distribution</p>

Section A: Publications of PhD Students

	Function Methods for Functional Materials Development", <i>Advanced Science</i> , 8(6), 22 January 2021, doi: <a href="https://doi.org/10.1002/adv.202003534">https://doi.org/10.1002/adv.202003534</a> .
	DING Ruida, #HUANG Yalan, LI Guangxing, LIAO Qin, WEI Tao, LIU Yu, HUANG Yanjie, HE Hao, "Carbon Anode Materials for Rechargeable Alkali Metal Ion Batteries and <i>in-situ</i> Characterization Techniques", <i>Frontiers in Chemistry</i> , 8, 17 December 2020, doi: <a href="https://doi.org/10.3389/fchem.2020.607504">https://doi.org/10.3389/fchem.2020.607504</a> .
<b>ILYAS Abdul-mojeed Olabisi</b>	#ILYAS Abdul-mojeed Olabisi, #ALAM Md Kowsar, #MUSAH Jamal-Deen, #SAW Lin Oo, #VENKATESH Shishir, #YEUNG Chi Chung, #YANG M, #VELLAISAMY A. L. Roy, #LAU Condon, "Development of a carboxyl-terminated Indium Tin Oxide electrode for improving cell adhesion and facilitating low noise, real-time impedance measurements", <i>American Journal of Physiology - Cell Physiology</i> , 320(6), 10 March 2021, pp C974-C986, doi: <a href="https://doi.org/10.1152/ajpcell.00537.2020">https://doi.org/10.1152/ajpcell.00537.2020</a> .
	#ILYAS Abdul-mojeed Olabisi, #ALAM Md Kowsar, #MUSAH Jamal-Deen, #YANG M, #LAM Yun Wah, #VELLAISAMY A. L. Roy, #LAU Condon, "Investigation on the Direct and Bystander Effects in HeLa Cells Exposed to Very Low $\alpha$ -Radiation Using Electrical Impedance Measurement", <i>ACS Omega</i> , 6(22), 26 May 2021, pp 13995–14003, doi: <a href="https://doi.org/10.1021/acsomega.0c05888">https://doi.org/10.1021/acsomega.0c05888</a> .
	#ILYAS Abdul-mojeed Olabisi, #ALAM Md Kowsar, #MUSAH Jamal-Deen, #YANG M, #VELLAISAMY A. L. Roy, #LAM Yun Wah, #LAU Condon, "CHO cell dysfunction due to radiation-induced bystander signals observed by real-time electrical impedance measurement", <i>Biosensors and Bioelectronics</i> , 181, 05 March 2021, doi: <a href="https://doi.org/10.1016/j.bios.2021.113142">https://doi.org/10.1016/j.bios.2021.113142</a> .
	#MUSAH Jamal-Deen, #ILYAS Abdul-mojeed Olabisi, #NOVITSKII Andrei, #SERHIENKO Illia, #EGBO Kingsley Onyekachi, #SAIANAND Gopalan, #KHOVAYLO Vladimir, #KWOFIE Samuel, #YU Kin Man, #VELLAISAMY Arul Lenus Roy, "Effective decoupling of seebeck coefficient and the electrical conductivity through isovalent substitution of erbium in bismuth selenide thermoelectric material", <i>Journal of Alloys and Compounds</i> , 857, 13 October 2020, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.157559">https://doi.org/10.1016/j.jallcom.2020.157559</a> .
<b>KHAN Muhammad Shehzad</b>	#LIU Yuanchao, #HSIEH Yi-Kong, #WONG Pak Lok Conrad, #AHMED Irfan, #AHMED Rafay, #KHAN Muhammad Shehzad, #CHEUNG Yun Hing Richard, #WANG Chu-Fang, #LAU Condon, "Rapid trace element analysis of microgram soft materials with cryogenic milling and laser ablation spectroscopy", <i>Applied Optics</i> , 59(26), 03 September 2020, pp 7752-7759, doi: <a href="https://doi.org/10.1364/AO.395004">https://doi.org/10.1364/AO.395004</a> .
	#LIU Yuanchao, #CHU Yanwu, #HU Zhenlin, #ZHANG Siyu, #MA Shixiang, #KHAN Muhammad Shehzad, #CHEN Feng, #ZHANG Deng, #GUO Lianbo, #LAU Condon, "High-sensitivity determination of trace lead and cadmium in cosmetics using laser-induced breakdown spectroscopy with ultrasound-assisted extraction", <i>Microchemical Journal</i> , 158, 22 July 2020, doi: <a href="https://doi.org/10.1016/j.microc.2020.105322">https://doi.org/10.1016/j.microc.2020.105322</a> .
	#AHMED Irfan, #MA Victor, #LIU Yuanchao, #KHAN Muhammad Shehzad, #LIU Zhenhui, #ZHANG Chi, #PAIDI Santosh Kumar, #MANNO Francis Anthony Michael, #AMJAD Noreen, #MANNO Sinai, #AHMED Rafay, #LAW Wing Lun, #ALI Ahmed, #RAZA Faizan, #ZHANG Yanpeng, #CHO William C.S., #BARMAN Ishan, #ALDA Martin, #BERGINK Veerle, #LAU Condon, "Lithium from breast-milk inhibits thyroid iodine uptake and hormone production, which are remedied by maternal iodine supplementation", <i>Bipolar Disorders</i> , 28 January 2021, doi: <a href="https://doi.org/10.1111/bdi.13047">https://doi.org/10.1111/bdi.13047</a> .
	#LIU Yuanchao, #PAN Jie, #HU Zhenlin, #CHU Yanwu, #KHAN Muhammad Shehzad, #TANG Kaiwei, #GUO Lianbo, #LAU Condon, "Stability improvement for dried droplet pretreatment by suppression of coffee ring effect using electrochemical anodized nanoporous tin dioxide substrate", <i>Microchimica Acta</i> , 187(12), 17 November 2020, doi: <a href="https://doi.org/10.1007/s00604-020-04640-w">https://doi.org/10.1007/s00604-020-04640-w</a> .
	#MANNO Sinai, #MANNO Francis Anthony Michael, #TIAN Li, #KHAN Muhammad Shehzad, #AHMED Irfan, #KHAN Muhammad Shehzad, #LI Wai Tsun Vincent, #XU Shisan, #XIE Fangjing, #HUNG Tak Fu, #MA Victor, #CHO William, #ALDAPE Beatriz, #CHENG Shuk Han, #LAU Condon, "Spectroscopic and microscopic examination of teeth exposed to green tea at different temperatures", <i>PLoS ONE</i> , 15(12), 30 December 2020, doi: <a href="https://doi.org/10.1371/journal.pone.0244542">https://doi.org/10.1371/journal.pone.0244542</a> .

## Section A: Publications of PhD Students

	<p>#MANNING Sinai, #MANNING Francis Anthony Michael, #TIAN Li, #KHAN Muhammad Shehzad, AHMED Irfan, #KHAN Muhammad Shehzad, LI Wai Tsun Vincent, XU Shisan, XIE Fangjing, HUNG Tak Fu, MA Victor, CHO William, ALDAPE Beatriz, CHENG Shuk Han, LAU Condon, "Spectroscopic and microscopic examination of teeth exposed to green tea at different temperatures", <i>PLoS ONE</i>, 15(12), 30 December 2020, doi: <a href="https://doi.org/10.1371/journal.pone.0244542">https://doi.org/10.1371/journal.pone.0244542</a>.</p> <p>AHMED Irfan, #KHAN Muhammad Shehzad, PAIDI Santosh, LIU Zhenhui, ZHANG Chi, #LIU Yuanchao, BALOCH Gulsher Ali, LAW Wing Lun, ZHANG Yanpeng, BARMAN Ishan, LAU Condon, "Laser induced breakdown spectroscopy with machine learning reveals lithium-induced electrolyte imbalance in the kidneys", <i>Journal of Pharmaceutical and Biomedical Analysis</i>, 194, 05 December 2020, doi: <a href="https://doi.org/10.1016/j.jpba.2020.113805">https://doi.org/10.1016/j.jpba.2020.113805</a>.</p>
<b>KWOK Cheuk Kai Gary</b>	<p>#KWOK Cheuk Kai Gary, YU Kin Man, "Highly transparent and conducting In doped CdO synthesized by sol-gel solution processing", <i>Journal of Materials Science</i>, 56(22), 04 May 2021, pp 12607–12619, doi: <a href="https://doi.org/10.1007/s10853-021-06087-7">https://doi.org/10.1007/s10853-021-06087-7</a>.</p> <p>#EGBO Kingsley Onyekachi, #SHIL Sujit Kumer, #KWOK Cheuk Kai Gary, WANG Ying, LIU Chaoping, YU Kin Man, "Band alignment of wide bandgap NiO/MoO<sub>3</sub> and NiO/WO<sub>3</sub> p-n heterojunctions studied by high-resolution X-ray photoelectron spectroscopy", <i>Journal of Alloys and Compounds</i>, 876, 30 April 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2021.160136">https://doi.org/10.1016/j.jallcom.2021.160136</a>.</p> <p>WANG Ying, LO Chung Yan, WONG Yeung Sum, #KWOK Cheuk Kai Gary, #SHIL Sujit Kumer, YU Kin Man, "Electrical conductivity and effects of mechanical bending of flexible amorphous transparent conducting CdO-Ga<sub>2</sub>O<sub>3</sub> films synthesized by room temperature sputtering", <i>Journal of Alloys and Compounds</i>, 875, 21 April 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2021.160000">https://doi.org/10.1016/j.jallcom.2021.160000</a>.</p> <p>#EGBO Kingsley Onyekachi, LIU Chaoping, #HOSSAIN Mohammad Kamal, #HO Chun Yuen, #KWOK Cheuk Kai Gary, #SHIL Sujit Kumer, #EZEHI Chioma Vivian, WANG Ying, YU Kin Man, "Controlling the p-Type Conductivity and Composition Range for Bipolar Conduction in Ni<sub>x</sub>Cd<sub>1-x</sub>O Alloys by Acceptor Doping", <i>Journal of Physical Chemistry C</i>, 124(37), 25 August 2020, pp 20000-20009, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c05750">https://doi.org/10.1021/acs.jpcc.0c05750</a>.</p>
<b>LAN Xuli</b>	<p>ZENG Xiao-hui, #LAN Xuli, ZHU Hua-sheng, LONG Guang-cheng, XIE You-jun, "Investigation on air-voids structure and compressive strength of concrete at low atmospheric pressure", <i>Cement and Concrete Composites</i>, 122, 17 June 2021, doi: <a href="https://doi.org/10.1016/j.cemconcomp.2021.104139">https://doi.org/10.1016/j.cemconcomp.2021.104139</a>.</p>
<b>LI Yuhua</b>	<p>KANG Zhe, MEI Chao, ZHANG Luqi, ZHANG Zhichao, EVANS Julian, CHENG Yujun, ZHU Kun, ZHANG Xianting, HUANG Dongmei, #LI Yuhua, HE Jijun, WU Qiang, YAN Binbin, WANG Kuiru, ZHOU Xian, LONG Keping, LI Feng, LI Qian, WANG Shaokang, YUAN Jinhui, WAI P. K A, HE Sailing, "Advanced Progress on <math>\chi^{(3)}</math> Nonlinearity in Chip-Scale Photonic Platforms", <i>Progress in Electromagnetics Research</i>, 170, 15 January 2021, pp 17-62, doi: <a href="https://doi.org/10.2528/PIER20122108">https://doi.org/10.2528/PIER20122108</a>.</p> <p>WANG Shaohao, #LI Yuhua, LITTLE Brent E., WANG Leiran, WANG Xiang, DAVIDSON Roy R., CHU Sai Tak, "Athermal third harmonic generation in micro-ring resonators", <i>Opto-Electronic Advances</i>, 3(12), 24 December 2020, doi: <a href="https://doi.org/10.29026/oea.2020.200028">https://doi.org/10.29026/oea.2020.200028</a>.</p> <p>#LI Yuhua, KANG Zhe, ZHU Kun, #AI Shiqi, WANG Xiang, DAVIDSON Roy R., WU Yan, MORANDOTTI Roberto, LITTLE Brent E., MOSS David J., CHU Sai Tak, "All-optical RF spectrum analyzer with a 5 THz bandwidth based on CMOS-compatible high-index doped silica waveguides", <i>Optics Letters</i>, 46(7), 19 March 2021, pp 1574-1577, doi: <a href="https://doi.org/10.1364/OL.420716">https://doi.org/10.1364/OL.420716</a>.</p> <p>#LI Yuhua, WANG Xiang, DAVIDSON Roy, LITTLE Brent E., CHU Sai Tak, "Four-wave mixing in silicon-nanocrystal embedded high-index doped silica micro-ring resonator", <i>Journal of Semiconductors</i>, 42(4), April 2021, doi: <a href="https://doi.org/10.1088/1674-4926/42/4/042302">https://doi.org/10.1088/1674-4926/42/4/042302</a>.</p>
<b>LIU Liangliang</b>	<p>#HUANG Chao, ZHANG Biao, #WU Yuzheng, #RUAN Qingdong, #LIU Liangliang, #SU Jianjun, #TANG Yunqi, LIU Rugeng, CHU Paul Kim Ho, "Experimental and Theoretical Investigation of Reconstruction and Active Phases on Honeycombed Ni<sub>3</sub>N-Co<sub>3</sub>N/C in Water Splitting", <i>Applied Catalysis B: Environmental</i>, 297, 15 June 2021, doi: <a href="https://doi.org/10.1016/j.apcatb.2021.120461">https://doi.org/10.1016/j.apcatb.2021.120461</a>.</p>

Section A: Publications of PhD Students

	<p>CUI Suihan, #<a href="#">LIU Liangliang</a>, JIN Zheng, ZHOU Lin, #<a href="#">RUAN Qingdong</a>, WU Zhongcan, <a href="#">FU King Yu</a>, TIAN Xiubo, <a href="#">CHU Paul Kim Ho</a>, WU Zhongzhen, "Characteristics of continuous high power magnetron sputtering (C-HPMS) in reactive O<sub>2</sub>/Ar atmospheres", <i>Journal of Applied Physics</i>, 129(24), 22 June 2021, doi: <a href="https://doi.org/10.1063/5.0051296">https://doi.org/10.1063/5.0051296</a>.</p> <p>#<a href="#">LIU Liangliang</a>, TANG Wei, #<a href="#">RUAN Qingdong</a>, WU Zhongcan, YANG Chao, CUI Suihan, MA Zhengyong, <a href="#">FU King Yu</a>, TIAN Xiubo, WANG Ruijun, WU Zhongzhen, <a href="#">CHU Paul Kim Ho</a>, "Robust and durable superhydrophobic F-DLC coating for anti-icing in aircrafts engineering", <i>Surface and Coatings Technology</i>, 404, 02 October 2020, doi: <a href="https://doi.org/10.1016/j.surfcoat.2020.126468">https://doi.org/10.1016/j.surfcoat.2020.126468</a>.</p> <p>LI Ti-Jun, CUI Sui-Han, #<a href="#">LIU Liangliang</a>, LI Xiao-Yuan, WU Zhong-Can, MA Zheng-Yong, <a href="#">FU King Yu</a>, TIAN Xiubo, <a href="#">CHU Paul Kim Ho</a>, WU Zhong-Zhen, "筒形溅射阴极的磁场优化及其高功率放电特性研究", <i>Wuli Xuebao/Acta Physica Sinica</i>, 70(4), 20 February 2021, doi: <a href="https://doi.org/10.7498/aps.70.20201540">https://doi.org/10.7498/aps.70.20201540</a>.</p> <p>#<a href="#">XIAO Dezhi</a>, #<a href="#">RUAN Qingdong</a>, #<a href="#">LIU Liangliang</a>, SHEN Jie, CHENG Cheng, <a href="#">CHU Paul Kim Ho</a>, "Improvement of GaN plasma etching uniformity by optimizing the coil electrode with plasma simulation and experimental validation", <i>Surface and Coatings Technology</i>, 400, 01 August 2020, doi: <a href="https://doi.org/10.1016/j.surfcoat.2020.126252">https://doi.org/10.1016/j.surfcoat.2020.126252</a>.</p> <p>YANG Chao, CUI Suihan, WENG Yuchang, WU Zhongcan, #<a href="#">LIU Liangliang</a>, MA Zhengyong, TIAN Xiubo, <a href="#">FU King Yu</a>, <a href="#">CHU Paul Kim Ho</a>, WU Zhongzhen, "Scalable superhydrophobic T-shape micro/nano structured inorganic alumina coatings", <i>Chemical Engineering Journal</i>, 409, 16 December 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.128142">https://doi.org/10.1016/j.cej.2020.128142</a>.</p> <p>#<a href="#">LIU Liangliang</a>, ZHOU Lin, TANG Wei, #<a href="#">RUAN Qingdong</a>, LI Xiaoyuan, WU Zhongcan, <a href="#">QASIM Abdul Mateen</a>, CUI Suihan, LI Tijun, TIAN Xiubo, <a href="#">FU King Yu</a>, WU Zhongzhen, <a href="#">CHU Paul Kim Ho</a>, "Study of TiAlN coatings deposited by continuous high power magnetron sputtering (C-HPMS)", <i>Surface and Coatings Technology</i>, 402, 21 August 2020, doi: <a href="https://doi.org/10.1016/j.surfcoat.2020.126315">https://doi.org/10.1016/j.surfcoat.2020.126315</a>.</p>
<b>LIU Pei</b>	<p>#<a href="#">LIU Pei</a>, WANG Guomin, #<a href="#">RUAN Qingdong</a>, #<a href="#">TANG Kaiwei</a>, <a href="#">CHU Paul Kim Ho</a>, "Plasma-activated interfaces for biomedical engineering", <i>Bioactive Materials</i>, 6(7), 12 January 2021, pp 2134-2143, doi: <a href="https://doi.org/10.1016/j.bioactmat.2021.01.001">https://doi.org/10.1016/j.bioactmat.2021.01.001</a>.</p> <p>WANG Guomin, #<a href="#">TANG Kaiwei</a>, MENG Zheyi, #<a href="#">LIU Pei</a>, #<a href="#">MO Shi</a>, #<a href="#">MEHRJOU Babak</a>, <a href="#">WU Zhengwei</a>, <a href="#">CHU Paul Kim Ho</a>, WANG Huaiyu, LIU Xuanyong, "A Quantitative Bacteria Monitoring and Killing Platform Based on Electron Transfer from Bacteria to a Semiconductor", <i>Advanced Materials</i>, 32(39), 19 August 2020, doi: <a href="https://doi.org/10.1002/adma.202003616">https://doi.org/10.1002/adma.202003616</a>.</p>
<b>LIU Yuanchao</b>	<p>#<a href="#">LIU Yuanchao</a>, HSIEH Yi-Kong, WONG Pak Lok Conrad, AHMED Irfan, AHMED Rafay, #<a href="#">KHAN Muhammad Shehzad</a>, CHEUNG Yun Hing Richard, WANG Chu-Fang, LAU Condon, "Rapid trace element analysis of microgram soft materials with cryogenic milling and laser ablation spectroscopy", <i>Applied Optics</i>, 59(26), 03 September 2020, pp 7752-7759, doi: <a href="https://doi.org/10.1364/AO.395004">https://doi.org/10.1364/AO.395004</a>.</p> <p>#<a href="#">LIU Yuanchao</a>, CHU Yanwu, HU Zhenlin, ZHANG Siyu, MA Shixiang, #<a href="#">KHAN Muhammad Shehzad</a>, CHEN Feng, ZHANG Deng, GUO Lianbo, LAU Condon, "High-sensitivity determination of trace lead and cadmium in cosmetics using laser-induced breakdown spectroscopy with ultrasound-assisted extraction", <i>Microchemical Journal</i>, 158, 22 July 2020, doi: <a href="https://doi.org/10.1016/j.microc.2020.105322">https://doi.org/10.1016/j.microc.2020.105322</a>.</p> <p>AHMED Irfan, MA Victor, #<a href="#">LIU Yuanchao</a>, #<a href="#">KHAN Muhammad Shehzad</a>, LIU Zhenhui, ZHANG Chi, PAIDI Santosh Kumar, #<a href="#">MANNNO Francis Anthony Michael</a>, AMJAD Noreen, #<a href="#">MANNNO Sinai</a>, AHMED Rafay, LAW Wing Lun, ALI Ahmed, RAZA Faizan, ZHANG Yanpeng, CHO William C.S., BARMAN Ishan, ALDA Martin, BERGINK Veerle, LAU Condon, "Lithium from breast-milk inhibits thyroid iodine uptake and hormone production, which are remedied by maternal iodine supplementation", <i>Bipolar Disorders</i>, 28 January 2021, doi: <a href="https://doi.org/10.1111/bdi.13047">https://doi.org/10.1111/bdi.13047</a>.</p> <p>#<a href="#">LIU Yuanchao</a>, #<a href="#">PAN Jie</a>, HU Zhenlin, CHU Yanwu, #<a href="#">KHAN Muhammad Shehzad</a>, #<a href="#">TANG Kaiwei</a>, GUO Lianbo, LAU Condon, "Stability improvement for dried droplet pretreatment by suppression of coffee ring effect using electrochemical anodized nanoporous tin dioxide</p>

## Section A: Publications of PhD Students

	<p>substrate", <i>Microchimica Acta</i>, 187(12), 17 November 2020, doi: <a href="https://doi.org/10.1007/s00604-020-04640-w">https://doi.org/10.1007/s00604-020-04640-w</a>.</p> <p>#<a href="#">LIU Yuanchao</a>, #<a href="#">PAN Jie</a>, <a href="#">ZHANG Guobin</a>, #<a href="#">LI Zebiao</a>, HU Zhenlin, CHU Yanwu, GUO Lianbo, <a href="#">LAU Condon</a>, "Stable and ultrasensitive analysis of organic pollutants and heavy metals by dried droplet method with superhydrophobic-induced enrichment", <i>Analytica Chimica Acta</i>, 1151, 25 January 2021, doi: <a href="https://doi.org/10.1016/j.aca.2021.338253">https://doi.org/10.1016/j.aca.2021.338253</a>.</p> <p><a href="#">AHMED Irfan</a>, #<a href="#">KHAN Muhammad Shehzad</a>, PAIDI Santosh, LIU Zhenhui, ZHANG Chi, #<a href="#">LIU Yuanchao</a>, BALOCH Gulsher Ali, <a href="#">LAW Wing Lun</a>, ZHANG Yanpeng, BARMAN Ishan, <a href="#">LAU Condon</a>, "Laser induced breakdown spectroscopy with machine learning reveals lithium-induced electrolyte imbalance in the kidneys", <i>Journal of Pharmaceutical and Biomedical Analysis</i>, 194, 05 December 2020, doi: <a href="https://doi.org/10.1016/j.jpba.2020.113805">https://doi.org/10.1016/j.jpba.2020.113805</a>.</p>
<b>LUO Yang</b>	<p>#<a href="#">LUO Yang</a>, #<a href="#">WU Yinghong</a>, WU Donghai, #<a href="#">HUANG Chao</a>, #<a href="#">XIAO Dezhi</a>, CHEN Houyang, ZHENG Shili, CHU Paul Kim Ho, "NiFe-Layered Double Hydroxide Synchronously Activated by Heterojunctions and Vacancies for the Oxygen Evolution Reaction", <i>ACS Applied Materials &amp; Interfaces</i>, 12(38), 31 August 2020, pp 42850-42858, doi: <a href="https://doi.org/10.1021/acsami.0c11847">https://doi.org/10.1021/acsami.0c11847</a>.</p> <p>TIAN Jiang-nan, #<a href="#">LUO Yang</a>, "风电耦合电解水制氢技术研究", <i>电力勘测设计</i>, 2021(2), February 2021, pp 63-67, doi: <a href="https://doi.org/10.13500/j.dlkcsj.issn1671-9913.2021.02.013">https://doi.org/10.13500/j.dlkcsj.issn1671-9913.2021.02.013</a>.</p>
<b>MANNO Francis Anthony Michael</b>	<p><a href="#">AHMED Irfan</a>, MA Victor, #<a href="#">LIU Yuanchao</a>, #<a href="#">KHAN Muhammad Shehzad</a>, LIU Zhenhui, ZHANG Chi, PAIDI Santosh Kumar, #<a href="#">MANNO Francis Anthony Michael</a>, AMJAD Noreen, #<a href="#">MANNO Sinai</a>, <a href="#">AHMED Rafay</a>, <a href="#">LAW Wing Lun</a>, ALI Ahmed, RAZA Faizan, ZHANG Yanpeng, CHO William C.S., BARMAN Ishan, ALDA Martin, BERGINK Veerle, <a href="#">LAU Condon</a>, "Lithium from breast-milk inhibits thyroid iodine uptake and hormone production, which are remedied by maternal iodine supplementation", <i>Bipolar Disorders</i>, 28 January 2021, doi: <a href="https://doi.org/10.1111/bdi.13047">https://doi.org/10.1111/bdi.13047</a>.</p> <p>#<a href="#">MANNO Francis Anthony Michael</a>, AN Ziqi, KUMAR Rachit, WU Ed X., <a href="#">HE Jufang</a>, FENG Yanqiu, <a href="#">LAU Condon</a>, "Structural alterations in a rat model of short-term conductive hearing loss are associated with reduced resting state functional connectivity", <i>Frontiers in Systems Neuroscience</i>, 15, doi: <a href="https://doi.org/10.3389/fnsys.2021.655172">https://doi.org/10.3389/fnsys.2021.655172</a>.</p> <p>#<a href="#">MANNO Sinai</a>, #<a href="#">MANNO Francis Anthony Michael</a>, #<a href="#">TIAN Li</a>, #<a href="#">KHAN Muhammad Shehzad</a>, <a href="#">AHMED Irfan</a>, #<a href="#">KHAN Muhammad Shehzad</a>, <a href="#">LI Wai Tsun Vincent</a>, <a href="#">XU Shisan</a>, <a href="#">XIE Fangjing</a>, <a href="#">HUNG Tak Fu</a>, MA Victor, CHO William, ALDAPE Beatriz, <a href="#">CHENG Shuk Han</a>, <a href="#">LAU Condon</a>, "Spectroscopic and microscopic examination of teeth exposed to green tea at different temperatures", <i>PLoS ONE</i>, 15(12), 30 December 2020, doi: <a href="https://doi.org/10.1371/journal.pone.0244542">https://doi.org/10.1371/journal.pone.0244542</a>.</p> <p>#<a href="#">MANNO Francis Anthony Michael</a>, RODRÍGUEZ-CRUCES Raul, KUMAR Rachit, RATNANATHER J Tilak, <a href="#">LAU Condon</a>, "Hearing loss impacts gray and white matter across the lifespan: Systematic review, meta-analysis and meta-regression", <i>NeuroImage</i>, 231, 04 February 2021, doi: <a href="https://doi.org/10.1016/j.neuroimage.2021.117826">https://doi.org/10.1016/j.neuroimage.2021.117826</a>.</p>
<b>MO Shi</b>	<p><a href="#">WANG Guomin</a>, #<a href="#">TANG Kaiwei</a>, MENG Zheyi, #<a href="#">LIU Pei</a>, #<a href="#">MO Shi</a>, #<a href="#">MEHRJOU Babak</a>, <a href="#">WU Zhengwei</a>, <a href="#">CHU Paul Kim Ho</a>, WANG Huaiyu, LIU Xuanyong, "A Quantitative Bacteria Monitoring and Killing Platform Based on Electron Transfer from Bacteria to a Semiconductor", <i>Advanced Materials</i>, 32(39), 19 August 2020, doi: <a href="https://doi.org/10.1002/adma.202003616">https://doi.org/10.1002/adma.202003616</a>.</p> <p>#<a href="#">MO Shi</a>, ZHAO Feilong, GAO Ang, #<a href="#">WU Yuzheng</a>, LIAO Qing, XIE Lingxia, PAN Haobo, TONG Liping, <a href="#">CHU Paul Kim Ho</a>, WANG Huaiyu, "Simultaneous application of diamond-like carbon coating and surface amination on polyether ether ketone: Towards superior mechanical performance and osseointegration", <i>Smart Materials in Medicine</i>, 2, 2021, pp 219-228, doi: <a href="https://doi.org/10.1016/j.smim.2021.07.004">https://doi.org/10.1016/j.smim.2021.07.004</a>.</p>
<b>NAEEM Muhammad</b>	<p>#<a href="#">NAEEM Muhammad</a>, #<a href="#">HE Haiyan</a>, HARJO Stefanus, KAWASAKI Takuro, ZHANG Fan, <a href="#">WANG Bing</a>, <a href="#">LAN Si</a>, <a href="#">WU Zhenduo</a>, WU Yuan, LU Zhaoping, <a href="#">LIU Chain Tsuan</a>, <a href="#">WANG Xun-Li</a>, "Extremely high dislocation density and deformation pathway of CrMnFeCoNi high entropy alloy at ultralow temperature", <i>Scripta Materialia</i>, 188, 13 July 2020, pp 21-25, doi: <a href="https://doi.org/10.1016/j.scriptamat.2020.07.004">https://doi.org/10.1016/j.scriptamat.2020.07.004</a>.</p>

Section A: Publications of PhD Students

	#HE Haiyan, #NAEEM Muhammad, ZHANG Fan, ZHAO Yilu, HARJO Stefanus, KAWASAKI Takuro, WANG Bing, WU Xuilian, LAN Si, WU Zhenduo, YIN Wen, WU Yuan, LU Zhaoping, KAI Ji-jung, LIU Chain Tsuan, WANG Xun-Li, "Stacking Fault Driven Phase Transformation in CrCoNi Medium Entropy Alloy", <i>Nano Letters</i> , 21(3), 19 January 2021, pp 1419–1426, doi: <a href="https://doi.org/10.1021/acs.nanolett.0c04244">https://doi.org/10.1021/acs.nanolett.0c04244</a> .
PENG Jie	#WO Kah Jen, #PENG Jie, KRISHNA-PRASAD-MADHAVA ., SHI Yuzhi, LI Jensen, WANG Shubo, "Optical forces in coupled chiral particles", <i>Physical Review A</i> , 102(4), 28 October 2020, doi: <a href="https://doi.org/10.1103/PhysRevA.102.043526">https://doi.org/10.1103/PhysRevA.102.043526</a> . #PENG Jie, LIU Wei, WANG Shubo, "Polarization singularities in light scattering by small particles", <i>Physical Review A</i> , 103(2), 16 February 2021, doi: <a href="https://doi.org/10.1103/PhysRevA.103.023520">https://doi.org/10.1103/PhysRevA.103.023520</a> .
REN Jincan	ZHU He, #HUANG Yalan, #REN Jincan, #ZHANG Binghao, KE Yubin, JEN Alex, ZHANG Qiang, WANG Xun-Li, LIU Qi, "Bridging Structural Inhomogeneity to Functionality: Pair Distribution Function Methods for Functional Materials Development", <i>Advanced Science</i> , 8(6), 22 January 2021, doi: <a href="https://doi.org/10.1002/advs.202003534">https://doi.org/10.1002/advs.202003534</a> .
RUAN Qingdong	#HUANG Chao, ZHANG Biao, #WU Yuzheng, #RUAN Qingdong, #LIU Liangliang, #SU Jianjun, #TANG Yunqi, LIU Rugeng, CHU Paul Kim Ho, "Experimental and Theoretical Investigation of Reconstruction and Active Phases on Honeycombed Ni <sub>3</sub> N-Co <sub>3</sub> N/C in Water Splitting", <i>Applied Catalysis B: Environmental</i> , 297, 15 June 2021, doi: <a href="https://doi.org/10.1016/j.apcatb.2021.120461">https://doi.org/10.1016/j.apcatb.2021.120461</a> . PENG Feng, LIN Yulin, ZHANG Dongdong, #RUAN Qingdong, #TANG Kaiwei, LI Mei, LIU Xuanyong, CHU Paul Kim Ho, ZHANG Yu, "Corrosion Behavior and Biocompatibility of Diamond-like Carbon-Coated Zinc: An in Vitro Study", <i>ACS Omega</i> , 6(14), 02 April 2021, pp 9843–9851, doi: <a href="https://doi.org/10.1021/acsomega.1c00531">https://doi.org/10.1021/acsomega.1c00531</a> . CUI Suihan, #LIU Liangliang, JIN Zheng, ZHOU Lin, #RUAN Qingdong, WU Zhongcan, FU King Yu, TIAN Xiubo, CHU Paul Kim Ho, WU Zhongzhen, "Characteristics of continuous high power magnetron sputtering (C-HPMS) in reactive O <sub>2</sub> /Ar atmospheres", <i>Journal of Applied Physics</i> , 129(24), 22 June 2021, doi: <a href="https://doi.org/10.1063/5.0051296">https://doi.org/10.1063/5.0051296</a> . YU Banglong, DAI Jun, #RUAN Qingdong, LIU Zili, CHU Paul Kim Ho, "Corrosion Behavior and Mechanism of Carbon Ion-Implanted Magnesium Alloy", <i>COATINGS</i> , 10(8), 27 July 2020, doi: <a href="https://doi.org/10.3390/COATINGS10080734">https://doi.org/10.3390/COATINGS10080734</a> . YU Banglong, DAI Jun, #RUAN Qingdong, CHU Paul Kim Ho, LU Wangzhang, YANG Yao, QIAO Jian, "Effects of different interlayers on the microstructure and properties of Mg/Cu dissimilar alloy welded joints", <i>Journal of Laser Applications</i> , 33(1), 12 February 2021, doi: <a href="https://doi.org/10.2351/7.0000238">https://doi.org/10.2351/7.0000238</a> . #LIU Liangliang, TANG Wei, #RUAN Qingdong, WU Zhongcan, YANG Chao, CUI Suihan, MA Zhengyong, FU King Yu, TIAN Xiubo, WANG Ruijun, WU Zhongzhen, CHU Paul Kim Ho, "Robust and durable superhydrophobic F-DLC coating for anti-icing in aircrafts engineering", <i>Surface and Coatings Technology</i> , 404, 02 October 2020, doi: <a href="https://doi.org/10.1016/j.surfcoat.2020.126468">https://doi.org/10.1016/j.surfcoat.2020.126468</a> . #LIU Pei, WANG Guomin, #RUAN Qingdong, #TANG Kaiwei, CHU Paul Kim Ho, "Plasma-activated interfaces for biomedical engineering", <i>Bioactive Materials</i> , 6(7), 12 January 2021, pp 2134-2143, doi: <a href="https://doi.org/10.1016/j.bioactmat.2021.01.001">https://doi.org/10.1016/j.bioactmat.2021.01.001</a> . ZHOU Haili, LI Jingyao, LI Jian, #RUAN Qingdong, JIN Weihong, YU Zhentao, LI Wei, CHU Paul Kim Ho, "Calcium phosphate coating on biomedical WE43 magnesium alloy pretreated with a magnesium phosphate layer for corrosion protection", <i>Surface and Coatings Technology</i> , 401, 30 July 2020, doi: <a href="https://doi.org/10.1016/j.surfcoat.2020.126248">https://doi.org/10.1016/j.surfcoat.2020.126248</a> . DAI Jun, YU Banglong, #RUAN Qingdong, LIU Zili, CHU Paul Kim Ho, "Effects of hydrogen etching on MnO <sub>2</sub> electrode materials for supercapacitors", <i>Surface and Coatings Technology</i> , 410, 04 February 2021, doi: <a href="https://doi.org/10.1016/j.surfcoat.2021.126951">https://doi.org/10.1016/j.surfcoat.2021.126951</a> . JIN Weihong, ZHOU Haili, LI Jingyao, #RUAN Qingdong, LI Jian, PENG Xiang, LI Wei, CHU Paul Kim Ho, "Zirconium-based nanostructured coating on the Mg-4Y-3RE alloy for corrosion retardation", <i>Chemical Physics Letters</i> , 756, 27 July 2020, doi: <a href="https://doi.org/10.1016/j.cplett.2020.137824">https://doi.org/10.1016/j.cplett.2020.137824</a> . #PENG Yong, #RUAN Qingdong, LAM Jason, MENG Fanxu, GUAN Chung-Yu, SANTOSO Shella Permatasari, ZOU Xingli, YU Edward T., CHU Paul Kim Ho, HSU Sam H Y, "Plasma-implanted

## Section A: Publications of PhD Students

	<p>Ti-doped hematite photoanodes with enhanced photoelectrochemical water oxidation performance", <i>Journal of Alloys and Compounds</i>, 870, 06 March 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2021.159376">https://doi.org/10.1016/j.jallcom.2021.159376</a>.</p> <p>#<a href="#">LIU Dezhi</a>, #<a href="#">RUAN Qingdong</a>, #<a href="#">LIU Liangliang</a>, <a href="#">SHEN Jie</a>, <a href="#">CHENG Cheng</a>, <a href="#">CHU Paul Kim Ho</a>, "Improvement of GaN plasma etching uniformity by optimizing the coil electrode with plasma simulation and experimental validation", <i>Surface and Coatings Technology</i>, 400, 01 August 2020, doi: <a href="https://doi.org/10.1016/j.surfcoat.2020.126252">https://doi.org/10.1016/j.surfcoat.2020.126252</a>.</p> <p>#<a href="#">LIU Rugeng</a>, <a href="#">HAN Xu</a>, #<a href="#">MAK Chun Hong</a>, <a href="#">CHENG Kuan-Chen</a>, <a href="#">PERMATASARI SANTOSO Shella</a>, <a href="#">SHEN Hsin-Hui</a>, #<a href="#">RUAN Qingdong</a>, <a href="#">CAO Fahe</a>, <a href="#">YU Edward T.</a>, <a href="#">CHU Paul Kim Ho</a>, <a href="#">HSU Sam H Y</a>, <a href="#">PENG Xiang</a>, "Cost-effective liquid-junction solar devices with plasma-implanted Ni/TiN/CNF hierarchically structured nanofibers", <i>Journal of Electroanalytical Chemistry</i>, 887, 26 March 2021, doi: <a href="https://doi.org/10.1016/j.jelechem.2021.115167">https://doi.org/10.1016/j.jelechem.2021.115167</a>.</p> <p><a href="#">ZHOU Haili</a>, <a href="#">LI Jingyao</a>, <a href="#">LI Jian</a>, #<a href="#">RUAN Qingdong</a>, <a href="#">PENG Xiang</a>, <a href="#">LI Shuangjian</a>, <a href="#">JIN Weihong</a>, <a href="#">YU Zhentao</a>, <a href="#">CHU Paul Kim Ho</a>, <a href="#">LI Wei</a>, "A composite coating with physical interlocking and chemical bonding on WE43 magnesium alloy for corrosion protection and cytocompatibility enhancement", <i>Surface and Coatings Technology</i>, 412, 16 March 2021, doi: <a href="https://doi.org/10.1016/j.surfcoat.2021.127078">https://doi.org/10.1016/j.surfcoat.2021.127078</a>.</p> <p>#<a href="#">TANG Kaiwei</a>, <a href="#">WANG Guomin</a>, #<a href="#">RUAN Qingdong</a>, <a href="#">PENG Feng</a>, <a href="#">CAO Huiliang</a>, <a href="#">CHU Paul Kim Ho</a>, "Controllable deposition of MoS<sub>2</sub> nanosheets on titanium by the vapor-phase hydrothermal technique and comparison with the conventional liquid-phase hydrothermal method", <i>Surface and Coatings Technology</i>, 404, 14 October 2020, doi: <a href="https://doi.org/10.1016/j.surfcoat.2020.126497">https://doi.org/10.1016/j.surfcoat.2020.126497</a>.</p> <p>#<a href="#">LIU Liangliang</a>, <a href="#">ZHOU Lin</a>, <a href="#">TANG Wei</a>, #<a href="#">RUAN Qingdong</a>, <a href="#">LI Xiaoyuan</a>, <a href="#">WU Zhongcan</a>, <a href="#">QASIM Abdul Mateen</a>, <a href="#">CUI Suihan</a>, <a href="#">LI Tijun</a>, <a href="#">TIAN Xiubo</a>, <a href="#">FU King Yu</a>, <a href="#">WU Zhongzhen</a>, <a href="#">CHU Paul Kim Ho</a>, "Study of TiAlN coatings deposited by continuous high power magnetron sputtering (C-HPMS)", <i>Surface and Coatings Technology</i>, 402, 21 August 2020, doi: <a href="https://doi.org/10.1016/j.surfcoat.2020.126315">https://doi.org/10.1016/j.surfcoat.2020.126315</a>.</p>
<b>SARWONO Yanoar Pribadi</b>	<p>#<a href="#">SARWONO Yanoar Pribadi</a>, <a href="#">UR RAHMAN Faiz</a>, <a href="#">ZHANG Ruiqin</a>, "Numerical variational solution of hydrogen molecule and ions using one-dimensional hydrogen as basis functions", <i>New Journal of Physics</i>, 22(9), 18 September 2020, doi: <a href="https://doi.org/10.1088/1367-2630/abb47e">https://doi.org/10.1088/1367-2630/abb47e</a>.</p> <p><a href="#">UR RAHMAN Faiz</a>, #<a href="#">SARWONO Yanoar Pribadi</a>, <a href="#">ZHANG Ruiqin</a>, "Solution of two-electron Schrödinger equations using a residual minimization method and one-dimensional basis functions", <i>AIP Advances</i>, 11(2), 12 February 2021, doi: <a href="https://doi.org/10.1063/5.0037833">https://doi.org/10.1063/5.0037833</a>.</p> <p>#<a href="#">SARWONO Yanoar Pribadi</a>, <a href="#">UR RAHMAN Faiz</a>, <a href="#">ZHAO Rundong</a>, <a href="#">ZHANG Ruiqin</a>, "Solutions of Atomic and Molecular Schrödinger Equations with One-dimensional Function Approach", <i>Gaodeng Xuexiao Huaxue Xuebao/Chemical Journal of Chinese Universities</i>, 42(7), 19 May 2021, pp 2286-2298, doi: <a href="https://doi.org/10.7503/cjcu20210138">https://doi.org/10.7503/cjcu20210138</a>.</p>
<b>SHAHMOHAMMADI BENI Mehrdad</b>	<p>#<a href="#">SHAHMOHAMMADI BENI Mehrdad</a>, <a href="#">WATABE Hiroshi</a>, <a href="#">YU Kwan Ngok Peter</a>, "CompVision: An open-source five-compartmental software for biokinetic simulations", <i>Open Physics</i>, 19(1), 2021, pp 454-459.</p> <p>#<a href="#">SHAHMOHAMMADI BENI Mehrdad</a>, <a href="#">YU Kwan Ngok Peter</a>, "Nonlinear fitting of multi-compartmental data using Hooke and Jeeves direct search method", <i>Open Physics</i>, 19(1), 19 May 2021, pp 277-280, doi: <a href="https://doi.org/10.1515/phys-2021-0026">https://doi.org/10.1515/phys-2021-0026</a>.</p> <p>#<a href="#">SHAHMOHAMMADI BENI Mehrdad</a>, <a href="#">KRSTIC Dragana</a>, <a href="#">NIKEZIC Dragoslav</a>, <a href="#">YU Kwan Ngok Peter</a>, "A comparative study on dispersed doses during photon and proton radiation therapy in pediatric applications", <i>PLoS ONE</i>, 16(3), 10 March 2021, doi: <a href="https://doi.org/10.1371/journal.pone.0248300">https://doi.org/10.1371/journal.pone.0248300</a>.</p>
<b>SHIL Sujit Kumer</b>	<p>#<a href="#">EGBO Kingsley Onyekachi</a>, #<a href="#">SHIL Sujit Kumer</a>, #<a href="#">KWOK Cheuk Kai Gary</a>, <a href="#">WANG Ying</a>, <a href="#">LIU Chaoping</a>, <a href="#">YU Kin Man</a>, "Band alignment of wide bandgap NiO/MoO<sub>3</sub> and NiO/WO<sub>3</sub> p-n heterojunctions studied by high-resolution X-ray photoelectron spectroscopy", <i>Journal of Alloys and Compounds</i>, 876, 30 April 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2021.160136">https://doi.org/10.1016/j.jallcom.2021.160136</a>.</p> <p><a href="#">WANG Ying</a>, <a href="#">LO Chung Yan</a>, <a href="#">WONG Yeung Sum</a>, #<a href="#">KWOK Cheuk Kai Gary</a>, #<a href="#">SHIL Sujit Kumer</a>, <a href="#">YU Kin Man</a>, "Electrical conductivity and effects of mechanical bending of flexible amorphous transparent conducting CdO-Ga<sub>2</sub>O<sub>3</sub> films synthesized by room temperature</p>



## Section A: Publications of PhD Students

	<p>sputtering", <i>Journal of Alloys and Compounds</i>, 875, 21 April 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2021.160000">https://doi.org/10.1016/j.jallcom.2021.160000</a>.</p> <p>#SHIL Sujit Kumer, WANG Fei, #LAI Zhengxun, #MENG You, WANG Yunpeng, ZHAO Dongxu, #HOSSAIN Mohammad Kamal, #EGBO Kingsley Onyekachi, WANG Ying, YU Kin Man, HO Johnny Chung Yin, "Crystalline all-inorganic lead-free Cs<sub>3</sub>Sb<sub>2</sub>I<sub>9</sub> perovskite microplates with ultra-fast photoconductive response and robust thermal stability", <i>Nano Research</i>, 13 March 2021, doi: <a href="https://doi.org/10.1007/s12274-021-3351-x">https://doi.org/10.1007/s12274-021-3351-x</a>.</p> <p>#EGBO Kingsley Onyekachi, LIU Chaoping, #HOSSAIN Mohammad Kamal, #HO Chun Yuen, #KWOK Cheuk Kai Gary, #SHIL Sujit Kumer, #EZEH Chioma Vivian, WANG Ying, YU Kin Man, "Controlling the p-Type Conductivity and Composition Range for Bipolar Conduction in Ni<sub>x</sub>Cd<sub>1-x</sub>O Alloys by Acceptor Doping", <i>Journal of Physical Chemistry C</i>, 124(37), 25 August 2020, pp 20000-20009, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c05750">https://doi.org/10.1021/acs.jpcc.0c05750</a>.</p>
<b>SUN Liang</b>	<p>#ZHU Haoqi, #TIAN Fujia, #SUN Liang, #WANG Simin, DAI Liang, "Revisiting the Non-monotonic Dependence of Polymer Knotting Probability on the Bending Stiffness", <i>Macromolecules</i>, 54(4), 09 February 2021, pp 1623–1630, doi: <a href="https://doi.org/10.1021/acs.macromol.0c02640">https://doi.org/10.1021/acs.macromol.0c02640</a>.</p>
<b>TANG Kaiwei</b>	<p>PENG Feng, LIN Yulin, ZHANG Dongdong, #RUAN Qingdong, #TANG Kaiwei, LI Mei, LIU Xuanyong, CHU Paul Kim Ho, ZHANG Yu, "Corrosion Behavior and Biocompatibility of Diamond-like Carbon-Coated Zinc: An in Vitro Study", <i>ACS Omega</i>, 6(14), 02 April 2021, pp 9843–9851, doi: <a href="https://doi.org/10.1021/acsomega.1c00531">https://doi.org/10.1021/acsomega.1c00531</a>.</p> <p>#LIU Yuanchao, #PAN Jie, HU Zhenlin, CHU Yanwu, #KHAN Muhammad Shehzad, #TANG Kaiwei, GUO Lianbo, LAU Condon, "Stability improvement for dried droplet pretreatment by suppression of coffee ring effect using electrochemical anodized nanoporous tin dioxide substrate", <i>Microchimica Acta</i>, 187(12), 17 November 2020, doi: <a href="https://doi.org/10.1007/s00604-020-04640-w">https://doi.org/10.1007/s00604-020-04640-w</a>.</p> <p>#LIU Pei, WANG Guomin, #RUAN Qingdong, #TANG Kaiwei, CHU Paul Kim Ho, "Plasma-activated interfaces for biomedical engineering", <i>Bioactive Materials</i>, 6(7), 12 January 2021, pp 2134-2143, doi: <a href="https://doi.org/10.1016/j.bioactmat.2021.01.001">https://doi.org/10.1016/j.bioactmat.2021.01.001</a>.</p> <p>WANG Guomin, #TANG Kaiwei, MENG Zheyi, #LIU Pei, #MO Shi, #MEHRJOU Babak, WU Zhengwei, CHU Paul Kim Ho, WANG Huaiyu, LIU Xuanyong, "A Quantitative Bacteria Monitoring and Killing Platform Based on Electron Transfer from Bacteria to a Semiconductor", <i>Advanced Materials</i>, 32(39), 19 August 2020, doi: <a href="https://doi.org/10.1002/adma.202003616">https://doi.org/10.1002/adma.202003616</a>.</p> <p>#TANG Kaiwei, WANG Guomin, #RUAN Qingdong, PENG Feng, CAO Huiliang, CHU Paul Kim Ho, "Controllable deposition of MoS<sub>2</sub> nanosheets on titanium by the vapor-phase hydrothermal technique and comparison with the conventional liquid-phase hydrothermal method", <i>Surface and Coatings Technology</i>, 404, 14 October 2020, doi: <a href="https://doi.org/10.1016/j.surfcoat.2020.126497">https://doi.org/10.1016/j.surfcoat.2020.126497</a>.</p>
<b>TIAN Fujia</b>	<p>#ZHU Haoqi, #TIAN Fujia, #SUN Liang, #WANG Simin, DAI Liang, "Revisiting the Non-monotonic Dependence of Polymer Knotting Probability on the Bending Stiffness", <i>Macromolecules</i>, 54(4), 09 February 2021, pp 1623–1630, doi: <a href="https://doi.org/10.1021/acs.macromol.0c02640">https://doi.org/10.1021/acs.macromol.0c02640</a>.</p>
<b>WANG Haipeng</b>	<p>HUANG Miaoyan, #WANG Haipeng, LI Wan, ZHAO Yanling, ZHANG Ruiqin, "In-situ textured carbon nitride photoanodes with enhanced photoelectrochemical activity by bandgap state modulation", <i>Journal of Materials Chemistry A</i>, 8(45), 22 October 2020, pp 24005-24012, doi: <a href="https://doi.org/10.1039/d0ta06550a">https://doi.org/10.1039/d0ta06550a</a>.</p>
<b>WANG Simin</b>	<p>#ZHU Haoqi, #TIAN Fujia, #SUN Liang, #WANG Simin, DAI Liang, "Revisiting the Non-monotonic Dependence of Polymer Knotting Probability on the Bending Stiffness", <i>Macromolecules</i>, 54(4), 09 February 2021, pp 1623–1630, doi: <a href="https://doi.org/10.1021/acs.macromol.0c02640">https://doi.org/10.1021/acs.macromol.0c02640</a>.</p>
<b>WU Yuzheng</b>	<p>#HUANG Chao, ZHANG Biao, #WU Yuzheng, #RUAN Qingdong, #LIU Liangliang, #SU Jianjun, #TANG Yunqi, LIU Rugeng, CHU Paul Kim Ho, "Experimental and Theoretical Investigation of Reconstruction and Active Phases on Honeycombed Ni<sub>3</sub>N-Co<sub>3</sub>N/C in Water Splitting", <i>Applied Catalysis B: Environmental</i>, 297, 15 June 2021, doi: <a href="https://doi.org/10.1016/j.apcatb.2021.120461">https://doi.org/10.1016/j.apcatb.2021.120461</a>.</p>

## Section A: Publications of PhD Students

	#MO Shi, ZHAO Feilong, GAO Ang, #WU Yuzheng, LIAO Qing, XIE Lingxia, PAN Haobo, TONG Liping, <u>CHU Paul Kim Ho</u> , WANG Huaiyu, "Simultaneous application of diamond-like carbon coating and surface amination on polyether ether ketone: Towards superior mechanical performance and osseointegration", <i>Smart Materials in Medicine</i> , 2, 2021, pp 219-228, doi: <a href="https://doi.org/10.1016/j.smim.2021.07.004">https://doi.org/10.1016/j.smim.2021.07.004</a> .
<b>XIAO Dezhi</b>	#LUO Yang, #WU Yinghong, WU Donghai, #HUANG Chao, #XIAO Dezhi, CHEN Houyang, ZHENG Shili, <u>CHU Paul Kim Ho</u> , "NiFe-Layered Double Hydroxide Synchronously Activated by Heterojunctions and Vacancies for the Oxygen Evolution Reaction", <i>ACS Applied Materials &amp; Interfaces</i> , 12(38), 31 August 2020, pp 42850-42858, doi: <a href="https://doi.org/10.1021/acsami.0c11847">https://doi.org/10.1021/acsami.0c11847</a> .
	#XIAO Dezhi, BAO De-Liang, LIANG Xiongyi, WANG Ying, SHEN Jie, CHENG Cheng, <u>CHU Paul Kim Ho</u> , "Experimental and theoretical investigation of the control and balance of active sites on oxygen plasma-functionalized MoSe <sub>2</sub> nanosheets for efficient hydrogen evolution reaction", <i>Applied Catalysis B: Environmental</i> , 288, 16 February 2021, doi: <a href="https://doi.org/10.1016/j.apcatb.2021.119983">https://doi.org/10.1016/j.apcatb.2021.119983</a> .
	#XIAO Dezhi, #RUAN Qingdong, #LIU Liangliang, SHEN Jie, CHENG Cheng, <u>CHU Paul Kim Ho</u> , "Improvement of GaN plasma etching uniformity by optimizing the coil electrode with plasma simulation and experimental validation", <i>Surface and Coatings Technology</i> , 400, 01 August 2020, doi: <a href="https://doi.org/10.1016/j.surfcoat.2020.126252">https://doi.org/10.1016/j.surfcoat.2020.126252</a> .
<b>XU Han</b>	#XU Han, WANG Lingna, YUAN Haidong, <u>WANG Xin Sunny</u> , "Generalizable control for multiparameter quantum metrology", <i>Physical Review A</i> , 103(4), 29 April 2021, doi: <a href="https://doi.org/10.1103/PhysRevA.103.042615">https://doi.org/10.1103/PhysRevA.103.042615</a> .
<b>YANG Zheng</b>	SHI Hongkang, #CHENG Yuqiong, #YANG Zheng, CHEN Yuntian, <u>WANG Shubo</u> , "Optical isolation induced by subwavelength spinning particle via spin-orbit interaction", <i>Physical Review B</i> , 103(9), 01 March 2021, doi: <a href="https://doi.org/10.1103/PhysRevB.103.094105">https://doi.org/10.1103/PhysRevB.103.094105</a> .
<b>ZHANG Binghao</b>	ZHU He, #HUANG Yalan, #REN Jincan, #ZHANG Binghao, KE Yubin, JEN Alex, ZHANG Qiang, WANG Xun-Li, LIU Qi, "Bridging Structural Inhomogeneity to Functionality: Pair Distribution Function Methods for Functional Materials Development", <i>Advanced Science</i> , 8(6), 22 January 2021, doi: <a href="https://doi.org/10.1002/adv.202003534">https://doi.org/10.1002/adv.202003534</a> .
	LI Fangkun, LIU Zhengbo, SHEN Jiadong, XU Xijun, ZENG Liyan, #ZHANG Binghao, ZHU He, LIU Qi, LIU Jun, ZHU Min, "A nanorod-like Ni-rich layered cathode with enhanced Li <sup>+</sup> diffusion pathways for high-performance lithium-ion batteries", <i>Journal of Materials Chemistry A</i> , 9(5), 18 December 2020, pp 2830-2839, doi: <a href="https://doi.org/10.1039/d0ta10608a">https://doi.org/10.1039/d0ta10608a</a> .
<b>ZHANG Lizhai</b>	#ZHANG Lizhai, ZHANG Jinniu, HUANG Yuhong, XU Huiyan, ZHANG Xiaolin, LU Hongbing, XU Kewei, <u>CHU Paul Kim Ho</u> , MA Fei, "Hexagonal ZnO nanoplates/graphene composites with excellent sensing performance to NO <sub>2</sub> at room temperature", <i>Applied Surface Science</i> , 537, 07 September 2020, doi: <a href="https://doi.org/10.1016/j.apsusc.2020.147785">https://doi.org/10.1016/j.apsusc.2020.147785</a> .
	ZHANG Jinniu, LENG Deying, #ZHANG Lizhai, LI Gang, MA Fei, GAO Jianzhi, LU Hongbing, ZHU Benpeng, "Porosity and oxygen vacancy engineering of mesoporous WO <sub>3</sub> nanofibers for fast and sensitive low-temperature NO <sub>2</sub> sensing", <i>Journal of Alloys and Compounds</i> , 853, 26 September 2020, doi: <a href="https://doi.org/10.1016/j.jallcom.2020.157339">https://doi.org/10.1016/j.jallcom.2020.157339</a> .
<b>ZHANG Xiaoming</b>	WANG Yao, CUI Zi-Wei, LU Yong-Heng, #ZHANG Xiaoming, GAO Jun, CHANG Yi-Jun, YUNG Man-Hong, JIN Xian-Min, "Integrated Quantum-Walk Structure and NAND Tree on a Photonic Chip", <i>Physical Review Letters</i> , 125(16), 14 October 2020, doi: <a href="https://doi.org/10.1103/PhysRevLett.125.160502">https://doi.org/10.1103/PhysRevLett.125.160502</a> .
	#ZHANG Xiaoming, KONG Weicheng, FAROOQ Muhammad Usman, YUNG Man-Hong, GUO Guoping, <u>WANG Xin Sunny</u> , "Generic detection-based error mitigation using quantum autoencoders", <i>Physical Review A</i> , 103(4), 22 April 2021, doi: <a href="https://doi.org/10.1103/PhysRevA.103.L040403">https://doi.org/10.1103/PhysRevA.103.L040403</a> .
	YUNG Man-Hong, MENG Fei, #ZHANG Xiaoming, ZHAO Ming-Jing, "One-shot detection limits of quantum illumination with discrete signals", <i>npj Quantum Information</i> , 6, 02 September 2020, doi: <a href="https://doi.org/10.1038/s41534-020-00303-z">https://doi.org/10.1038/s41534-020-00303-z</a> .
<b>ZHU Haoqi</b>	#ZHU Haoqi, #TIAN Fujia, #SUN Liang, #WANG Simin, DAI Liang, "Revisiting the Non-monotonic Dependence of Polymer Knotting Probability on the Bending Stiffness", <i>Macromolecules</i> , 54(4), 09 February 2021, pp 1623–1630, doi: <a href="https://doi.org/10.1021/acs.macromol.0c02640">https://doi.org/10.1021/acs.macromol.0c02640</a> .

## Section A: Publications of PhD Students

	<p>WANG Zhongyi, HAN Tianlei, #ZHU Haoqi, TANG Jinxin, GUO Yanyang, JIN Yabing, WANG Yu, CHEN Guilan, GU Ning, WANG Chen, "Potential Osteoinductive Effects of Hydroxyapatite Nanoparticles on Mesenchymal Stem Cells by Endothelial Cell Interaction", <i>Nanoscale Research Letters</i>, 16, 26 April 2021, doi: <a href="https://doi.org/10.1186/s11671-021-03522-1">https://doi.org/10.1186/s11671-021-03522-1</a>.</p> <p>LU Luwei, #ZHU Haoqi, YUYUAN LU, AN Lijia, DAI Liang, "Application of the Tube Model to Explain the Unexpected Decrease in Polymer Bending Energy Induced by Knot Formation", <i>Macromolecules</i>, 53(21), 26 October 2020, pp 9443–9448, doi: <a href="https://doi.org/10.1021/acs.macromol.0c01436">https://doi.org/10.1021/acs.macromol.0c01436</a>.</p>
<b>ZHU Hekang</b>	<p>#HUANG Yalan, ZHU He, #ZHU Hekang, ZHANG Jian, REN Yang, LIU Qi, "Insight into the capacity decay mechanism of cycled <math>\text{LiNi}_{0.5}\text{Co}_{0.2}\text{Mn}_{0.3}\text{O}_2</math> cathodes via <i>in situ</i> x-ray diffraction", <i>Nanotechnology</i>, 32(29), 27 April 2021, doi: <a href="https://doi.org/10.1088/1361-6528/abf2ff">https://doi.org/10.1088/1361-6528/abf2ff</a>.</p> <p>LIU Yanchen, ZHU He, #ZHU Hekang, REN Yang, ZHU Yizhou, #HUANG Yalan, DAI Liang, DOU Shuming, XU Jie, SUN Cheng-Jun, WANG Xun-Li, DENG Yida, YUAN Qunhui, LIU Xingjun, WU Junwei, CHEN Yanan, LIU Qi, "Modulating the Surface Ligand Orientation for Stabilized Anionic Redox in Li-Rich Oxide Cathodes", <i>Advanced Energy Materials</i>, 11(13), 03 March 2021, doi: <a href="https://doi.org/10.1002/aenm.202003479">https://doi.org/10.1002/aenm.202003479</a>.</p>
<b>Conference papers</b>	
<b>HO Wai Lok</b>	#LI Guangkuo, #LI Yuhua, #HO Wai Lok, LI Qian, WANG Shao Hao, DAVIDSON Roy, LITTLE Brent E., CHU Sai Tak, "Supercontinuum generation in a high index doped silica glass slot waveguide", <i>14th Pacific Rim Conference on Lasers and Electro-Optics (CLEO PR 2020)</i> , Virtual, Sydney, Australia, 03-05 August 2020, (ISBN: 9780646825045).
<b>LI Guangkuo</b>	#LI Guangkuo, #LI Yuhua, #HO Wai Lok, LI Qian, WANG Shao Hao, DAVIDSON Roy, LITTLE Brent E., CHU Sai Tak, "Supercontinuum generation in a high index doped silica glass slot waveguide", <i>14th Pacific Rim Conference on Lasers and Electro-Optics (CLEO PR 2020)</i> , Virtual, Sydney, Australia, 03-05 August 2020, (ISBN: 9780646825045).
<b>LI Yuhua</b>	#LI Guangkuo, #LI Yuhua, #HO Wai Lok, LI Qian, WANG Shao Hao, DAVIDSON Roy, LITTLE Brent E., CHU Sai Tak, "Supercontinuum generation in a high index doped silica glass slot waveguide", <i>14th Pacific Rim Conference on Lasers and Electro-Optics (CLEO PR 2020)</i> , Virtual, Sydney, Australia, 03-05 August 2020, (ISBN: 9780646825045).
	ZENG Lanqian, WANG Linghua, #LI Yuhua, CHU Sai Tak, LITTLE Brent E., WANG Shao Hao, "Chromatic dispersion characterization for meter-long CMOS compatible spiral waveguides", <i>14th Pacific Rim Conference on Lasers and Electro-Optics (CLEO PR 2020)</i> , Virtual, Sydney, Australia, 03-05 August 2020, (ISBN: 9780646825045).
<b>TANG Kaiwei</b>	WANG Guomin, #TANG Kaiwei, CHU Paul Kim Ho, LIU Xuanyong, WU Zhengwei, "A Quantitative Bacteria Monitoring and Killing Platform Based on Electron Transfer from Bacteria to Semiconductor", <i>2020 Young Scholars Forum of Chinese Society for Biomaterials</i> , 西郊宾馆, Beijing, China, 06-08 November 2020.
<b>XIAO Dezhi</b>	#XIAO Dezhi, CHU Paul Kim Ho, "The Effects of Plasma-Induced Etching and Doping of $\text{MoSe}_2$ Catalyst for the Improvement of Electrochemical Activity", <i>12th EU-Japan Joint Symposium on Plasma Processing (JSPP-12) and 15th Asia-Pacific Conference on Plasma Science and Technology (APCST-15)</i> , virtual, Japan, 29 March - 02 April 2021.
<b>All other outputs</b>	
<b>BU Xiuming</b>	#BU Xiuming, <i>Non-Precious Transition Metal Based Electrocatalysts for Electrochemical Water Splitting</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 17 August 2020.
<b>CHEUNG Wai Man</b>	#CHEUNG Wai Man, <i>Time-Dependent Quantum Transport in Graphene</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 20 April 2021.
<b>EGBO Kingsley Onyekachi</b>	#EGBO Kingsley Onyekachi, <i>Electronic Band Structure Engineering and Doping of Transparent Oxide Semiconductors towards Improved Optoelectronic Properties and Bipolar Conductivity</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 07 April 2021.
<b>EZEH Chioma Vivian</b>	#EZEH Chioma Vivian, Best poster award, Best poster award, Department of Physics and Materials Science City University of Hong Kong 83 Tat Chee Avenue Kowloon Hong Kong, 02 June 2021.

## Section A: Publications of PhD Students

<b>HE Haiyan</b>	#HE Haiyan, <i>Deformation Mechanism and Local Structure of CrCoNi-based High Entropy Alloys</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 24 August 2020.
<b>HOSSAIN Mohammad Kamal</b>	#HOSSAIN Mohammad Kamal, <i>Ternary and Quaternary Nano-/Micro-structures of All-Inorganic Halide Perovskites (CsPbX<sub>3</sub> (X = Cl, Br, I)): Growth, Properties and Applications</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 04 March 2021.
<b>HUANG Chao</b>	PENG Xiang, YAN Yujiao, JIN Xun, #HUANG Chao, JIN Weihong, GAO Biao, CHU Paul Kim Ho, (Book / Software Review) "Recent advance and prospectives of electrocatalysts based on transition metal selenides for efficient water splitting", Electrochemical water splitting comprising the hydrogen evolution reaction (HER) and oxygen evolution reaction (OER) plays critical role in energy conversion technology that transfers renewable electricity to hydrogen fuel and the proper catalysts are crucial to efficient electrochemical water splitting. Transition metal selenides (TMSes) are potential electrocatalysts for both HER and OER due to the special layered structure, relatively narrow bandgap, unique morphology, and low cost. However, their electrocatalytic HER and OER properties are still far from satisfactory from the standpoint of commercial implementation, especially the catalytic activity and durability for large charge densities in alkaline media. These drawbacks arise from the sluggish water dissociation kinetics, surface oxidization, and structure degradation. In this review, recent advance of TMSes is reviewed comprehensively from the perspectives of HER, OER, and overall water splitting. The electrochemical characteristics of TMSes are discussed and organized according to the metal cation species in single-metal TMSes and multi-metal TMSes. The composition and structural engineering of TMSes are summarized. Finally, the challenges and opportunities confronting TMSes-based electrocatalysts in advanced HER, OER and other electrocatalytic applications are discussed., <i>Nano Energy</i> , 78, 05 August 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105234">https://doi.org/10.1016/j.nanoen.2020.105234</a> .
<b>LI Ruigang</b>	#LI Ruigang, <i>Quantum Transport in Graphene and Phosphorene Junctions</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 31 May 2021.
<b>LUO Yang</b>	#LUO Yang, <i>Preparation of Architectural Ceramics from Coal Fly Ash: Alkali-activation and Electrochemical-detoxification of Coal Fly Ash</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 07 July 2020.
<b>MANNO Francis Anthony Michael</b>	#MANNO Francis Anthony Michael, <i>Brain Magnetic Resonance Imaging for Investigation Hearing Loss and Environmental Enrichment</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 14 May 2021.
<b>MO Shi</b>	#MO Shi, <i>Plasma-Engineered Polyetheretherketone for Orthopedic Application</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 31 July 2020.
<b>NAEEM Muhammad</b>	#NAEEM Muhammad, Best Paper on Materials 2020, Hong Kong Institution of Engineers, December 2020.
<b>SHAHMOHAMMADI BENI Mehrdad</b>	#SHAHMOHAMMADI BENI Mehrdad, <i>Toward Realistic Radiation Dosimetry Using Monte Carlo Method</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 03 July 2020.
<b>TANG Siying</b>	#TANG Siying, <i>Synthesis of Functional Nanoparticles and Their Applications in Degradable Food Packaging</i> , PhD Thesis, Department of Physics, City University of Hong Kong, Hong Kong, PRC, 17 July 2020.
<b>SCHOOL OF CREATIVE MEDIA</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>ECKHOFF Daniel</b>	#ECKHOFF Daniel, CASSINELLI Alvaro, LIU Tuo, SANDOR Christian, "Psychophysical Effects of Experiencing Burning Hands in Augmented Reality", <i>Virtual Reality and Augmented Reality - 17th EuroVR International Conference, EuroVR 2020 - Proceedings</i> , Bourdot Patrick, Interrante Victoria, Kopper Regis, Olivier Anne-Hélène, Saito Hideo and Zachmann Gabriel (eds), Springer, Cham, ISBN: 978-3-030-62655-6, 9783030626549, 27 October 2020, pp 83-95.
<b>LEUNG Michael Tze Kwong</b>	#LEUNG Michael Tze Kwong, "Solidarity Seeds - Situated Knowledges in Bishan Village, Wang Chau Village and Aarey Forest", <i>Right Research - Modelling Sustainable Research Practices in the Anthropocene</i> , Miya Chelsea, Rockwell Geoffrey and Rossier Oliver (eds), Open Book Publishers, ISBN:

Section A: Publications of PhD Students

	9781783749669,9781783749614,9781783749621,9781783749638,9781783749645,9781783749652, Canada, 2021, pp 217-255.
	#LEUNG Michael Tze Kwong, "WORMHOLES BETWEEN TERRITORIAL STRUGGLES - SOLIDARITY THROUGH PRECARIETY", <i>Communities in Movement - On Experimental Practices</i> , LaBelle Brandon (ed), University of Bergen, Bergen, 2020, pp 16-42.
<b>LIU Jinping</b>	ZHANG Chunxiao, #LIU Jinping, 港影魔方 - 转动文化的六个面向, 复旦大学出版社, ISBN: 978-7-309-15196-1, 上海, December 2020, 270 p.
<b>NG Royce Hong Sheng</b>	#NG Royce Hong Sheng, GO Geum, "Eighteenth of November Two Thousand and Nineteen", <i>움.신</i> , Vol 9, 박활성, 서현석 and 클레가 (eds), 작업실유령, ISBN: 979-11-89356-50-7 03600, Seoul, 26 March 2021, pp 430-451."Eighteenth of November Two Thousand and Nineteen", <i>Ob.scene</i> , Vol 9, Seo Hyun-Suk (ed), Workroom Press, ISBN: 979-11-89356-50-7 03600, Korea, 26 March 2021, pp 432.
<b>TRECCANI Carloalberto</b>	#TRECCANI Carloalberto, "Towards a New Unconscious - From the Optical to the Electromagnetic", <i>Reconceptualizing the Digital Humanities in Asia - New Representations of Art, History and Culture</i> , Kung Kaby Wing-sze (ed), Springer, ISBN: 9789811546419,9789811546426, Singapore, 10 September 2020, pp 129-139.
<b>YIU Siu Lung</b>	#YIU Siu Lung, CHARRIERAS Damien, "On the Fence - Electronic Dance Music Cultures in Hong Kong and Shenzhen", <i>Electronic Cities - Music, Policies and Space in the 21st Century</i> , Charrieras Damien, Darchen Sébastien and Willsteed John (eds), Palgrave Macmillan, ISBN: 978-981-33-4740-3,978-981-33-4741-0, Singapore, 20 April 2021, pp 223-241. #YIU Siu Lung, "Underground Club Music After Social Media - A Study of Hong Kong Underground Club Music Scene Through Absurd TRAX from 2016 to 2018, A Personal Perspective", <i>Fractured Scenes - Underground Music-Making in Hong Kong and East Asia</i> , , 1st edition, Charrieras Damien and Mouillot François (eds), Palgrave Macmillan, ISBN: 978-981-15-5912-9,978-981-15-5913-6,978-981-15-5915-0, 21 March 2021, pp 173-185.
<b>ZHANG Zimu</b>	#ZHANG Zimu, "Social Media Art Practices as Prefigurative Politics - Echoes from China", <i>Engaging Social Media in China - Platforms, Publics, and Production</i> , Wang Wei and Yang Guobin (eds), Michigan State University Press, ISBN: 9781609176655,9781611863918,9781628954241, East Lansing, Mich., 01 May 2021, pp 179-200.
<b>Journal publications</b>	
<b>CHEN Taizhou</b>	#CHEN Taizhou, XU Lantian, #XU Xianshan, ZHU Kening, "GestOnHMD: Enabling Gesture-based Interaction on Low-cost VR Head-Mounted Display", <i>IEEE Transactions on Visualization and Computer Graphics</i> , 27(5), 22 March 2021, pp 2597-2607, doi: <a href="https://doi.org/10.1109/TVCG.2021.3067689">https://doi.org/10.1109/TVCG.2021.3067689</a> .
<b>GUZMAN SERRANO Carlos Rodrigo</b>	#PEREZ-BOBADILLA Mariana, #GUZMAN SERRANO Carlos Rodrigo, "Microorganisms on Stage: Winogradsky columns as performative displays in art and science", <i>Performance Research</i> , 25(3), 09 November 2020, pp 38-44, doi: <a href="https://doi.org/10.1080/13528165.2020.1807748">https://doi.org/10.1080/13528165.2020.1807748</a> .
<b>HA THUC Caroline Maud Magali</b>	#HA THUC Caroline Maud Magali, "What is South East Asia? Emancipatory modes of knowledge production in Ho Tzu Nyen's <i>Critical Dictionary of Southeast Asia</i> ", <i>South East Asia Research</i> , 29(1), 12 February 2021, pp 1-15, doi: <a href="https://doi.org/10.1080/0967828X.2021.1877091">https://doi.org/10.1080/0967828X.2021.1877091</a> .
<b>HAO Yu</b>	#HAO Yu, "Videogames about Politics as States of Exception", <i>Gamevironments</i> , (13), 21 December 2020, pp 257-289, doi: <a href="https://doi.org/10.26092/elib/407">https://doi.org/10.26092/elib/407</a> .
<b>JU Ran</b>	#JU Ran, "浅析增强现实在视觉传达设计中的哲学思辨和创意规律", <i>数码世界</i> , 2021 年 (4), April 2021, pp 180-182. #JU Ran, "探析视觉传达设计如何跨界增强现实交互技术", <i>Science &amp; Technology Infomation</i> , (No. 15), 23 May 2021, pp 24-26.
<b>KE Xiaobo</b>	#KE Xiaobo, WAGNER Christian, "Global pandemic compels sport to move to esports: understanding from brand extension perspective", <i>Managing Sport and Leisure</i> , 15 July 2020, doi: <a href="https://doi.org/10.1080/23750472.2020.1792801">https://doi.org/10.1080/23750472.2020.1792801</a> .

Section A: Publications of PhD Students

<b>LI Mengjun</b>	#LI Mengjun, SUH Ayoung, "We-intention to continue playing mobile multiplayer games: the role of social play habit", <i>Internet Research</i> , 19 February 2021, doi: <a href="https://doi.org/10.1108/INTR-04-2020-0208">https://doi.org/10.1108/INTR-04-2020-0208</a> .
	SUH Ayoung, #LI Mengjun, "Digital Tracing during the COVID-19 Pandemic: User Appraisal, Emotion, and Continuance Intention", <i>Sustainability (Switzerland)</i> , 13(2), 10 January 2021, doi: <a href="https://doi.org/10.3390/su13020608">https://doi.org/10.3390/su13020608</a> .
<b>LIU Jinping</b>	#LIU Jinping, "姿势的星丛: 从东方姿势展演到阿甘本的姿势—影像", <i>北京电影学院学报</i> , 2021(2 (总第 100 期)), February 2021, pp 4-13.
<b>PEREZ-BOBADILLA Mariana</b>	#PEREZ-BOBADILLA Mariana, #GUZMAN SERRANO Carlos Rodrigo, "Microorganisms on Stage: Winogradsky columns as performative displays in art and science", <i>Performance Research</i> , 25(3), 09 November 2020, pp 38-44, doi: <a href="https://doi.org/10.1080/13528165.2020.1807748">https://doi.org/10.1080/13528165.2020.1807748</a> .
<b>RUAN Lingyan</b>	#RUAN Lingyan, CHEN Bin, LI Jizhou, LAM Miu Ling, "AIFNet: All-in-Focus Image Restoration Network Using a Light Field-Based Dataset", <i>IEEE Transactions on Computational Imaging</i> , 7, 28 June 2021, pp 675-688, doi: <a href="https://doi.org/10.1109/TCI.2021.3092891">https://doi.org/10.1109/TCI.2021.3092891</a> .
<b>SU Wanchao</b>	#YE Hui, KWAN Kin Chung, #SU Wanchao, FU Hongbo, "ARAnimator: In-situ Character Animation in Mobile AR with User-defined Motion Gestures", <i>ACM Transactions on Graphics</i> , 39(4), July 2020, doi: <a href="https://doi.org/10.1145/3386569.3392404">https://doi.org/10.1145/3386569.3392404</a> .
	CHEN Shu-Yu, #SU Wanchao, GAO Lin, XIA Shihong, FU Hongbo, "DeepFaceDrawing: Deep Generation of Face Images from Sketches", <i>ACM Transactions on Graphics</i> , 39(4), July 2020, doi: <a href="https://doi.org/10.1145/3386569.3392386">https://doi.org/10.1145/3386569.3392386</a> .
<b>TRECCANI Carloalberto</b>	#TRECCANI Carloalberto, "The brain, the artificial neural network and the snake: why we see what we see", <i>AI &amp; Society</i> , 12 September 2020, doi: <a href="https://doi.org/10.1007/s00146-020-01065-0">https://doi.org/10.1007/s00146-020-01065-0</a> .
<b>WANG Yuhui</b>	#WANG Yuhui, "跃动的字幕——从图文表意到媒介交互", <i>北京电影学院学报</i> , 2020 年(11 (总 167)), 25 November 2020, pp 27-35.
<b>XIAO Chufeng</b>	DU Yong, HAN Guoqiang, TAN Yinjie, #XIAO Chufeng, HE Shengfeng, "Blind Image Denoising via Dynamic Dual Learning", <i>IEEE Transactions on Multimedia</i> , 23, 08 July 2020, pp 2139-2152, doi: <a href="https://doi.org/10.1109/TMM.2020.3008057">https://doi.org/10.1109/TMM.2020.3008057</a> .
<b>YE Hui</b>	#YE Hui, KWAN Kin Chung, #SU Wanchao, FU Hongbo, "ARAnimator: In-situ Character Animation in Mobile AR with User-defined Motion Gestures", <i>ACM Transactions on Graphics</i> , 39(4), July 2020, doi: <a href="https://doi.org/10.1145/3386569.3392404">https://doi.org/10.1145/3386569.3392404</a> .
<b>YU Deng</b>	#YU Deng, LI Lei, ZHENG Youyi, LAU Chung Man Manfred, SONG Yi-Zhe, TAI Chiew-Lan, FU Hongbo, "SketchDesc: Learning Local Sketch Descriptors for Multi-View Correspondence", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 31(5), 10 August 2020, pp 1738-1750, doi: <a href="https://doi.org/10.1109/TCSVT.2020.3015279">https://doi.org/10.1109/TCSVT.2020.3015279</a> .
<b>ZHANG Yujia</b>	#ZHANG Yujia, BENAYOUN Maurice, "The emotional statement: profile photo and self-branding in the art world", <i>International Journal of Arts and Technology</i> , 12(2), 07 July 2020, pp 174-196, doi: <a href="https://doi.org/10.1504/IJART.2020.108629">https://doi.org/10.1504/IJART.2020.108629</a> .
<b>ZHOU Jie</b>	ZHENG Xiaoyang, #TAN Xin, #ZHOU Jie, MA Lizhuang, LAU Rynson W H, "Weakly-Supervised Saliency Detection via Salient Object Subitizing", <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 05 January 2021, doi: <a href="https://doi.org/10.1109/TCSVT.2021.3049408">https://doi.org/10.1109/TCSVT.2021.3049408</a> .
<b>Conference papers</b>	
<b>BEADMAN Kay Mei Ling</b>	#LEUNG Michael Tze Kwong, #BEADMAN Kay Mei Ling, #KAISER Christine Maria, #OLINGER Megan Marie, #RIZALDI Syahriar Tri, #MASLIC Anton Dragan, #HUANG Chen, "Solidarity Walks 0.1", <i>EASST/4S 2020 CONFERENCE PRAGUE</i> , Prague, Czech Republic, 18-21 August 2020.
<b>CAI Shaoyu</b>	#CAI Shaoyu, BAN Yuki, NARUMI Takuji, ZHU Kening, "FrictGAN: Frictional Signal Generation from Fabric Texture Images using Generative Adversarial Network", <i>ICAT-EGVE 2020 - International Conference on Artificial Reality and Telexistence and Eurographics Symposium on Virtual Environments</i> , Virtual, 02-04 December 2020, pp 11-15, (ISBN: 978-3-03868-111-3).
<b>CHEN Taizhou</b>	RONG Zhiyi, CHAN Ngo Fung, #CHEN Taizhou, ZHU Kening, "CodeRhythm: Designing Inclusive Tangible Programming Blocks", <i>DIS' 20 Companion - Companion Publication of the 2020 ACM</i>

Section A: Publications of PhD Students

	<p><i>Designing Interactive Systems Conference</i>, Virtual, Eindhoven, Netherlands, 06-10 July 2020, pp 105-110, (ISBN: 9781450379878).</p> <p><u>RONG Zhiyi</u>, <u>CHAN Ngo Fung</u>, <u>#CHEN Taizhou</u>, <u>ZHU Kening</u>, "Toward Inclusive Learning: Designing and Evaluating Tangible Programming Blocks for Visually Impaired Students", <i>Human-Computer Interaction - Human Values and Quality of Life</i>, AC Bella Sky Hotel and Bella Center (Virtual), Copenhagen, Denmark, 19-24 July 2020, pp 326-338, (ISBN: 9783030490645,9783030490652).</p> <p><u>#NASSER Arshad</u>, <u>#CHEN Taizhou</u>, <u>LIU Can</u>, <u>ZHU Kening</u>, <u>RAO P. V.M.</u>, "FingerTalkie: Designing a Low-Cost Finger-Worn Device for Interactive Audio Labeling of Tactile Diagrams", <i>Human-Computer Interaction - Multimodal and Natural Interaction</i>, AC Bella Sky Hotel and Bella Center (Virtual), Copenhagen, Denmark, 19-24 July 2020, pp 475-496, (ISBN: 9783030490614,9783030490621).</p>
<b>ECKHOFF Daniel</b>	<p><u>#ECKHOFF Daniel</u>, <u>LI-TSANG Cecilia</u>, <u>CHEING Gladys</u>, <u>CASSINELLI Alvaro</u>, <u>SANDOR Christian</u>, "Investigation of Microcirculatory Effects of Experiencing Burning Hands in Augmented Reality", <i>Proceedings - 2021 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops</i>, Virtual, 27 March - 02 April 2021, pp 569-570, (ISBN: 9780738113678).</p> <p><u>#ECKHOFF Daniel</u>, "[DC] Psychophysical Effects of Augmented Reality Experiences", <i>Proceedings - 2021 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops</i>, Virtual, 27 March - 02 April 2021, pp 739-740, (ISBN: 9780738113678).</p>
<b>HAO Yu</b>	<p><u>#HAO Yu</u>, "Becoming-animal in <i>Everything</i>: Posthuman Affect in Computer Gameplay", <i>Art Machines 2 - International Symposium on Machine Learning and Art 2021 Proceedings</i>, City University of Hong Kong, Hong Kong, China, 10-14 June 2021, pp 121-122, (ISBN: 9789624424485).</p> <p><u>#HAO Yu</u>, "Computer Games as Social Sculptures: Toward a Reevaluation of the Social Potential of Games and Play", <i>Digital Games Research Association 2020 Conference</i>, Tampere, Finland, September 2020.</p> <p><u>#HAO Yu</u>, "On Naïve and Sentimental Player: Rethink the Potentiality of Computer Games", <i>Chinese DiGRA Conference 2020</i>, University of Nottingham Ningbo China (Online), Ningbo, China, 07-08 November 2020.</p> <p><u>#HAO Yu</u>, "Becoming-woman and the Affective Politics in The Sims 4", <i>International Conference on Games and Narrative</i>, University of Waterloo (Virtual), Waterloo, Canada, 11-16 June 2021.</p>
<b>HUANG Chen</b>	<p><u>#LEUNG Michael Tze Kwong</u>, <u>#BEADMAN Kay Mei Ling</u>, <u>#KAISER Christine Maria</u>, <u>#OLINGER Megan Marie</u>, <u>#RIZALDI Syahriar Tri</u>, <u>#MASLIC Anton Dragan</u>, <u>#HUANG Chen</u>, "Solidarity Walks 0.1", <i>EASST/4S 2020 CONFERENCE PRAGUE</i>, Prague, Czech Republic, 18-21 August 2020.</p>
<b>KAISER Christine Maria</b>	<p><u>#KAISER Christine Maria</u>, "Solidarity Walk 0.1: Future Situations of Knowledge Production", <i>EASST/4S 2020 CONFERENCE PRAGUE</i>, Prague, Czech Republic, 18-21 August 2020.</p> <p><u>#LEUNG Michael Tze Kwong</u>, <u>#BEADMAN Kay Mei Ling</u>, <u>#KAISER Christine Maria</u>, <u>#OLINGER Megan Marie</u>, <u>#RIZALDI Syahriar Tri</u>, <u>#MASLIC Anton Dragan</u>, <u>#HUANG Chen</u>, "Solidarity Walks 0.1", <i>EASST/4S 2020 CONFERENCE PRAGUE</i>, Prague, Czech Republic, 18-21 August 2020.</p>
<b>KE Pingchuan</b>	<p><u>#KE Pingchuan</u>, <u>ZHU Kening</u>, "Larger Step Faster Speed: Investigating Gesture-Amplitude-based Locomotion in Place with Different Virtual Walking Speed in Virtual Reality", <i>Proceedings - 2021 IEEE Conference on Virtual Reality and 3D User Interfaces, VR 2021</i>, Virtual, Lisboa, Portugal, 27 March - 03 April 2021, pp 438-447, (ISBN: 9780738125565,9781665418386,9781665430685).</p>
<b>KE Xiaobo</b>	<p><u>#KE Xiaobo</u>, <u>WAGNER Christian</u>, "Visualizing Emotion and Absorption Through a Low Resolution LED Array: From Electroencephalography to Internet of Things", <i>Augmented Cognition - Theoretical and Technological Approaches: 14th International Conference, AC 2020: Proceedings</i>, Virtual, Copenhagen, Denmark, 19-24 July 2020, pp 142-156, (ISBN: 9783030503529,9783030503536).</p>
<b>LEUNG Michael Tze Kwong</b>	<p><u>#LEUNG Michael Tze Kwong</u>, "Wang Chau Village: (Non-)Indigenous Wisdom, Amidst Eviction", <i>Asia's New Ruralities: Online Conference @ University of Vienna</i>, Online, 12-13 August 2020.</p>

Section A: Publications of PhD Students

	#LEUNG Michael Tze Kwong, #BEADMAN Kay Mei Ling, #KAISER Christine Maria, #OLINGER Megan Marie, #RIZALDI Syahriar Tri, #MASLIC Anton Dragan, #HUANG Chen, "Solidarity Walks 0.1", <i>EASST/4S 2020 CONFERENCE PRAGUE</i> , Prague, Czech Republic, 18-21 August 2020.
<b>LI Mengjun</b>	#DENG Xinyi, #LI Mengjun, SUH Ayoung, "Recommendation or Advertisement? The Influence of Advertising-Disclosure Language with Pictorial Types on Influencer Credibility and Consumers' Brand Attitudes", <i>HCI International 2020 – Late Breaking Papers - Interaction, Knowledge and Social Media - 22nd HCI International Conference, HCII 2020, Proceedings</i> , AC Bella Sky Hotel and Bella Center (Virtual), Copenhagen, Denmark, 19-24 July 2020, pp 234-248, (ISBN: 9783030601515,9783030601522).
	#LI Mengjun, SUH Ayoung, "Machinelike or Humanlike? A Literature Review of Anthropomorphism in AI-Enabled Technology", <i>Proceedings of the 54th Hawaii International Conference on System Sciences</i> , Kauai, United States, 04-08 January 2021, pp 4053-4062, (ISBN: 978-0-9981331-4-0).
	SUH Ayoung, #LI Mengjun, "How Gamification Increases Learning Performance? Investigating the Role of Task Modularity", <i>Augmented Cognition. Human Cognition and Behavior - 14th International Conference, AC 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Proceedings</i> , Virtual, Copenhagen, Denmark, 19-24 July 2020, pp 129-146, (ISBN: 978-3-030-50438-0,978-3-030-50439-7).
<b>LIN Yongqian</b>	#LIN Yongqian, WANG Guan, SUH Ayoung, "Exploring the Effects of Immersive Virtual Reality on Learning Outcomes: A Two-Path Model", <i>Augmented Cognition. Human Cognition and Behavior - 14th International Conference, AC 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Proceedings</i> , Virtual, Copenhagen, Denmark, 19-24 July 2020, pp 86-105, (ISBN: 978-3-030-50438-0,978-3-030-50439-7).
	#LIN Yongqian, SUH Ayoung, "The Role of Spatial Ability in Learning with Virtual Reality: A Literature Review", <i>Proceedings of the 54th Annual Hawaii International Conference on System Sciences</i> , Kauai, United States, 04-08 January 2021, pp 94-103, (ISBN: 978-0-9981331-4-0).
<b>LIU Chang</b>	#LIU Chang, CASSINELLI Alvaro, SANDOR Christian, "Augmented Reality Narratives for Post-Traumatic Stress Disorder Treatment", <i>Adjunct Proceedings of the 2020 IEEE International Symposium on Mixed and Augmented Reality - ISMAR-Adjunct 2020</i> , IEEE VGTC, Virtual, Recife, Brazil, 09-13 November 2020, pp 306-309, (ISBN: 9781728176758,9781728176765).
<b>LIU Jinping</b>	#LIU Jinping, "Proximal Criticizing: The Allegorical Impulse in Post-1997 Hong Kong Action Film", <i>Text, Image and Audiovisual Culture of Taiwan and East Asia International Conference</i> , Nanyang Technological University, Singapore, Singapore, 25-26 June 2021.
<b>MASLIC Anton Dragan</b>	#MASLIC Anton Dragan, "The Drive for Perfection: A Precursor for Algorithmic Authoritarianism", <i>IAMCR Tampere 2020</i> , Tampere University (Online), Tampere, Finland, 12-17 July 2020.
	#LEUNG Michael Tze Kwong, #BEADMAN Kay Mei Ling, #KAISER Christine Maria, #OLINGER Megan Marie, #RIZALDI Syahriar Tri, #MASLIC Anton Dragan, #HUANG Chen, "Solidarity Walks 0.1", <i>EASST/4S 2020 CONFERENCE PRAGUE</i> , Prague, Czech Republic, 18-21 August 2020.
<b>NASSER Arshad</b>	#NASSER Arshad, #CHEN Taizhou, LIU Can, ZHU Kening, RAO P. V.M., "FingerTalkie: Designing a Low-Cost Finger-Worn Device for Interactive Audio Labeling of Tactile Diagrams", <i>Human-Computer Interaction - Multimodal and Natural Interaction</i> , AC Bella Sky Hotel and Bella Center (Virtual), Copenhagen, Denmark, 19-24 July 2020, pp 475-496, (ISBN: 9783030490614,9783030490621).
	#NASSER Arshad, KENG Kai-Ning, ZHU Kening, "ThermalCane: Exploring Thermotactile Directional Cues on Cane-Grip for Non-Visual Navigation", <i>ASSETS '20: The 22nd International ACM SIGACCESS Conference on Computers and Accessibility</i> , Virtual, Athens, Greece, 26-28 October 2020, (ISBN: 9781450371032).
<b>OLINGER Megan Marie</b>	#LEUNG Michael Tze Kwong, #BEADMAN Kay Mei Ling, #KAISER Christine Maria, #OLINGER Megan Marie, #RIZALDI Syahriar Tri, #MASLIC Anton Dragan, #HUANG Chen, "Solidarity Walks 0.1", <i>EASST/4S 2020 CONFERENCE PRAGUE</i> , Prague, Czech Republic, 18-21 August 2020.
<b>PARK Ji Yun</b>	#PARK Ji Yun, "Environmental Machine Learning in Multispecies Agency: A Case Study of <i>Random Forests</i> ", <i>Art Machines 2: International Symposium on Machine Learning and Art 2021 (AM2)</i> , City University of Hong Kong, Hong Kong, China, 10-14 June 2021, pp 112-114.



Section A: Publications of PhD Students

<b>QI Miaomiao</b>	# <a href="#">QI Miaomiao</a> , "城市空间在电影叙事中的三层表意——以麦曦茵的《花椒之味》为例", <i>第28期中国电影学博士论坛</i> , Xiamen University, Xiamen, China, 26 November 2020, pp 1-4.
<b>RIZALDI Syahriar Tri</b>	# <a href="#">LEUNG Michael Tze Kwong</a> , # <a href="#">BEADMAN Kay Mei Ling</a> , # <a href="#">KAISER Christine Maria</a> , # <a href="#">OLINGER Megan Marie</a> , # <a href="#">RIZALDI Syahriar Tri</a> , # <a href="#">MASLIC Anton Dragan</a> , # <a href="#">HUANG Chen</a> , "Solidarity Walks 0.1", <i>EASST/4S 2020 CONFERENCE PRAGUE</i> , Prague, Czech Republic, 18-21 August 2020.
<b>YIU Siu Lung</b>	# <a href="#">YIU Siu Lung</a> , "The Globalisation of "Deconstruction": A Survey into Deconstructed Club Music", <i>56th RMA Annual Conference</i> , Goldsmiths, University of London, London, United Kingdom, 08-10 September 2020.
<b>Creative and literary works, consulting reports and case studies</b>	
<b>CHEN Manni</b>	<p><a href="#">LINDBORG Per Magnus</a>, <a href="#">LOO Sze Wang</a>, <a href="#">KOH Joyce Beetuan</a>, #<a href="#">CHEN Manni</a>, Actor, Director, Other, "KYAGER", KYAGER is about a mountain, a musician, and a robot. Every creative musician dreams of reaching the parnassum of his or her art: Jesus and Petrarca climbed mountains. Some musicians inspire, like Gepetto, Drosselmeyer, or Frankenstein, their ambitions into a robot. But with Loo Sze Wang, is it the robot Zaku that becomes more like its master, or the master that becomes more like the robot?, June 2021.</p> <p><a href="#">IKESHIRO Ryo</a>, <a href="#">LINDBORG Per Magnus</a>, <a href="#">BLAZSEK Andras</a>, <a href="#">LO Yun Ting</a>, #<a href="#">CHEN Manni</a>, #<a href="#">YIU Siu Lung</a>, Artist, Curator, "SoundLab Presents: Audio-Visual from Hong Kong, curated by Ryo Ikeshiro @ Seeing Sound", A selection of sound and moving image works by PerMagnus Lindborg, Ryo Ikeshiro, András Blazsek, Edwin Lo, Manni Chen and Alexmalism AKA Alex Yiu. SoundLab is a recently established research group at the Centre for Applied Computing and Interactive Media, City University of Hong Kong.</p> <p>Seeing Sound is an informal practice-led symposium exploring multimedia work which foregrounds the relationship between sound and image. It explores areas such as visual music, abstract cinema, experimental animation, audiovisual performance and installation practice through paper sessions, screenings, performances and installations., <i>Seeing Sound</i>, Youtube, Zoom Webinar, 12-13 December 2020.</p>
<b>ECKHOFF Daniel</b>	CHAO Hing, <a href="#">SHAW Jeffrey</a> , <a href="#">LAU Ricky</a> , # <a href="#">ECKHOFF Daniel</a> , <a href="#">PENSO Jacopo</a> , Artist, Developer, Director, "3D Animation with Scientific Annotation - Geometric Representations of Italian Martial Arts (Two Swords)", <i>Way of the Sword</i> , Tai Kwun, Hong Kong, 25 February - 04 April 2021.
<b>GUZMAN SERRANO Carlos Rodrigo</b>	<p><a href="#">KLEIN Tobias</a>, #<a href="#">GUZMAN SERRANO Carlos Rodrigo</a>, Co-curator, Curator, "Constructing Contexts - Art Machines 2—Art Gallery", Curator for the Art Gallery of the Art Machines 2 Symposium.</p> <p>One of the key emerging ideas behind machine learning is the notion of generative adversarial networks, or GANs, where at least two neuronal networks are set in a competition, forming a framework of rules in which learning can take place. The more neuronal networks are involved, and the more references are presented to discriminate and learn from, the better and more complex the outcome.</p> <p>However, one problem that arises in this scenario is the question of context. If a context is solely constructed around art, understood as technique and visual representation, then the result tends to be discussed and analyzed in terms of such a context. If the context of a painting, for instance, is only its visual reference, image quality, and the strokes of the paintbrush, then key aspects of what defines art as a search for questions of being may be ignored or even misunderstood. The visual output of an artwork cannot be neglected, yet it does not represent art alone.</p> <p>Within the framework of the Art Machines 2 Symposium, the Art Gallery thus acts as a spatial condition, a field in which artworks are not seen on their own or showcased in a vacuum devoid of meaning and critical perspective. Instead, we bring together 27 artworks to form a context in which art is evolving and through which we can articulate further frames of understanding. This context, therefore, allows us to establish a new and more advanced</p>

Section A: Publications of PhD Students

	<p>discourse, one based less on stylistic mannerisms or medium, and more on how essential cultural questions and societal concerns can be re-evaluated and re-articulated through the lenses of emerging technologies and computational tools.</p> <p>Though small in size, our “training set” in this exercise includes works of bio art, digital fabrication, sound art, style GANs, works concerned with the definition of landscape, nature and our global environment, explorations of new urban conditions, political realities in media art or the lack thereof, emotional and emancipatory relationships and, ultimately, what it means to be human within such contexts., <i>Constructing Contexts: Art Machines 2 - Art Gallery</i>, Run Run Shaw Creative Media Centre, Hong Kong, 10-20 June 2021.</p>
<p><b>MAK Wai Yee</b></p>	<p>#MAK Wai Yee, "Maria des Weges - Unzeitige Hymnen", The texts were written between January 2019 and March 2020. They prefer the form of the sonnet or free verse. They are largely about "real" people and actual places. It is always about the endangered existence in the experienced story. This second mixed movement is supported by the Hong Kong artist Ann Mak, with whom Wolfgang Kubin has been working in the Chinese and German-speaking areas for more than twenty years., Bacopa Verlag, Schiedlberg/Austria, 2021.</p> <p>BENAYOUN Maurice, #MAK Wai Yee, Co-curator, Curator, "Planetary Wine Tasting Party", Ars Electronica 2020, Benayoun, M. Chief, concept and Realisation. Planetary Wine Tasting Party. Hong Kong Garden, Osage Gallery, Hong Kong, September 13, 2020., <i>Ars Electronica 2020: Festival for Art, Technology &amp; Society</i>, Johannes Kepler University (Online), Linz, Austria, 09-13 September 2020.</p> <p>BENAYOUN Maurice, #MAK Wai Yee, Co-curator, Curator, "Ars Electronica Festival 2020 - Hong Kong Garden", Ars Electronica 2020, Benayoun, M., Chief of Hong Kong Garden. Hong Kong Garden. Kelper's Garden, Neuro-Design Lab, ACIM, School of Creative Media, City University of Hong Kong, Hong Kong, September 9 – 13, 2020., <i>Ars Electronica 2020: Festival for Art, Technology &amp; Society</i>, Johannes Kepler University (Online), Linz, Austria, 09-13 September 2020.</p> <p>#MAK Wai Yee, Artist, "Shared Campus Summer School - The Ghost Wall", Shared Campus is a cooperation platform for international education formats, research networks and joint productions launched by seven arts institutions. Shared Campus establishes connections that generate value for students, academics and professionals, and enables participants to share knowledge and competencies across borders and disciplines. The platform is designed around internationally relevant themes focusing on transcultural issues and cross-disciplinary collaboration. Shared Campus launched its first activities in 2019 with various education formats and research initiatives. In 2020, we are glad to offer following summer schools, which have been jointly developed between the partner universities and are open to students from all Shared Campus institutions., <i>Shared Campus Summer School</i>, Online, Germany, 06-17 July 2020.</p>
<p><b>NG Royce Hong Sheng</b></p>	<p>#NG Royce Hong Sheng, Artist, "Empire of Opium", For this intervention project at the Pitt Rivers Museum, Royce edited together fragments from his research, travels and the Opium Museum trilogy performances into a short film and wrote a brief personal narration on the relation between Hong Kong and opium history and his own project., 20 September 2020.</p>

	<p>#NG Royce Hong Sheng, CASSINELLI Alvaro, Artist, Performer, "A Polyphonus Avatar - Live Art Festival #11 &amp; Claiming Common Spaces III", A Polyphonus Avatar is a 20 minute online work-in-progress preview of Royce Ng's performance PRESENCE which will have its German premiere at Kampnagel in late 2021 and takes the form of a live-streamed conversation with multiple voices speaking through the artist's digital avatar . The piece is concerned with the notion of presence conveyed through physical absence, and the minimal threshold of technological simulation that can produce the feeling of the performers's presence in the space for the audience. The preview will feature a dialogue conducted between the artist and physicist/inventor Dr. Alvaro Cassinelli from the Augmented Materiality Lab at the School of Creative Media, Hong Kong on the topics of presence, virtual qualia, black box technologies and ways of breaking free from technological determination, presented through the morphing visage of a single avatar. , <i>Live Art Festival #11 &amp; Claiming Common Spaces III</i>, Kampnagel, Germany, 03-13 June 2021.</p> <p>#NG Royce Hong Sheng, YOU Mi, BISENIEKS Daisy, Artist, "A Season in Shell, Mutual Aid, Mountains of Gold and Silver", Artists Royce Ng &amp; Daisy Bisenieks working under the collective name Zheng Mahler contributed three works to the Shanghai Biennale XIII in 2021 entitled A Season in Shell (2013-2016) and Mutual Aid (2016). Titled Bodies of Water and unfolding progressively over several months between 2020 and 2021, the 13th Shanghai Biennale will advocate for processes of planetary re-alliance. Considering how discharging, breathing, transfusing, flushing, menstruating, ejaculating, and decomposing are ways in which bodies exist together, beyond the confines of flesh and land, the Biennale will reflect on how collectivities are made tangible and bodied in wet-togetherness. It will convene artists to think beyond human-centered and nation-based narratives and to explore forms of fluid solidarity. From cells to bodies, bodies to other bodies, pipes to gills, labs, climates, the Biennale will be inspired by transspecies alliances. It will rely on interconnection, interdependency, and entanglements: from the scale and time of a breath to the formation of ecosystems. At a moment when humanity is renegotiating its relationship to itself and other life forms, the Biennale will explore diverting forms of aqueousness, from the accelerating climate crisis to the current global pandemic, itself a testament to the inextricable interconnection of bodies. This Biennale embraces Shanghai as a long-standing arena for liquefied territorial bodies. Shanghai's history is intimately connected to the 5,000-meter descent of Qinghai-Tibet Plateau's meltwaters. The Shanghai Biennale, the oldest art biennale in China, will ultimately scan its situation at the Power Station of Art, a former coal-electric plant that fueled the industrialization, the fluid economies and the infrastructural libido of the Huangpu River. A nine-month "in crescendo" biennale for the first time, the 13th Shanghai Biennale will operate as a nine-month "in crescendo" project, conceived as a collective undertaking by artists, collectives, activists and institutions, and unfolding in three phases. Phase 01: A Wet-Run Rehearsal. November 10–14, 2020. A summit bringing together contributors to present their work in the form of a performative assembly taking place in the Power Station of Art's Grand Hall and spreading out to networks of art spaces along the Yangtze River, as well as online. Phase 02: An Ecosystem of Alliances. November 15, 2020–April 10, 2021. Keeping a permanent post at the Power Station of Art (PSA), the "in crescendo" project will make new associations with infrastructures where online/offline social and communal life are taking place. These include streaming TV channels, social media, university programs and serial interventions on urban dynamics. Phase 03: An Exhibition. April 10–July 18, 2021. The Biennale will conclude with an exhibition that will run through the PSA and expand into a series of locations along the Huangpu River and across the city of Shanghai. This phase will open with a festival in which events will unfold as a system of critical togetherness. The 13th Shanghai Biennale Curatorial team In November 2019, with the support of the Academic Committee of the PSA, Andrés Jaque—a New York-based curator, architect and writer—was appointed chief curator of the 13th Shanghai Biennale. Jaque is director of the Advanced Architectural Design Program at Columbia University and founder of the Office for Political Innovation, which operates at the intersection of architecture and art, exploring how bodies, technologies, and environments converge in transspecies alliances. Jaque has invited an international team of curators and thinkers to work collectively in the development of the Biennale: Marina Otero Verzier is an architect based in Rotterdam. The director of research at Het Nieuwe Instituut, she leads research initiatives such as Automated</p>
--	---

Section A: Publications of PhD Students

	<p>Landscapes and BURN-OUT. Exhaustion on a planetary scale. Lucia Pietroiusti is curator of General Ecology at the Serpentine Galleries in London. Recent and upcoming projects include the long-term General Ecology Project, Back to Earth (the Serpentine’s 50th anniversary program dedicated to the environment), as well as Sun &amp; Sea by Rugilė Barzdžiukaitė, Vaiva Grainytė and Lina Lapelytė. YOU Mi is a curator and researcher at the Academy of Media Arts Cologne. Her interests focus on performance philosophy, science and technology studies, as well as new and historical materialism. She works with extremely ancient and futuristic technologies and networks. Filipa Ramos is a writer and curator based in London. She is curator of Art Basel Film and co-founder of the artists’ cinema, Vdrome. She is a lecturer at Central Saint Martins and Basel’s Institut Kunst. Ramos’ research focuses on how art responds to ecological topics and fosters interspecies relationships across humans, non-humans, and machines. Ramos will work as the Biennale’s head of research and publications. , <i>13th Shanghai Biennale (SHB) - City Projects – Extended Exhibition @ Sunke Villa, Sunke Villa, Shanghai, China, 17 April - 25 July 2021.</i></p>
<p><b>QI Miaomiao</b></p>	<p>#<a href="#">QI Miaomiao</a>, Actor, "颜色", 彩条坞影像制作, August 2020.</p>
<p><b>TIMURGALIEVA Olga</b></p>	<p>KEDAR Hadas Emma, TCHOKHONELIDZE Khatia, HENKE Melanie, #<a href="#">TIMURGALIEVA Olga</a>, Artist, "Recorded Identities - Experience of reflective recording", What makes a “video-recording of the self” a method for creative therapeutic experience in a post-digital culture? At the junction of digital media, art, psychology and film, this artistic research project locates the potential of using the recording of individuals as an experience of creative expression and enriching self-reflection. Through the project, we developed a “workshop” in which individual participants were invited for a one-hour session to talk about themselves in front of a video camera. The green-screen studio created a sort of laboratory conditions and an intimate environment for expression. Throughout three day-long workshops, 20 personal stories were recorded, each as a one-shot of about 2-3 minutes. The project is presented here at the nachtspeicher23 as a video (picture and text description), giving an overall look at the process of the “Workshop” which took place in the Aalborg University, Denmark, between February-April 2017. Under special terms, some of the resulted “cofession” videos will be presented as exemplars., <i>Inner reflections</i>, Virtual, 16-26 March 2021.</p>
<p><b>XU Hongshen</b></p>	<p>SONG Zijing, #<a href="#">XU Hongshen</a>, <a href="#">FONG Ka Sin</a>, ZHANG Jingwei, ZHANG Zhiyuan, <a href="#">LC Ray</a>, LI Yanheng, EROL Zeynep, OZGUNAY Eray, SUN Yating, Artist, Curator, Developer, Producer, "I Was of Three Minds - an exhibit at JCCAC Floating Projects", A machine learning art exhibition at JCCAC</p> <p>“I Was of Three Minds” is a series of new machine learning artworks by RAY LC and STUDIO FOR NARRATIVE SPACES. The works combine diverse media like projection, sculpture, print, and video, weaving together the perspective of the machine as perceived by the human actor. Indeed the “three minds” phrase was generated by a machine-learning natural language model, inventing words in its own, yet reflecting the human concerns put into the model. The works also narrate the way machines see us, and in turn the way we perceive such machine perceptions in the current technological context. Taking the perspectives of human-machine interaction, new media, and narrative design, this exhibition explores the way humans and machines interpret each other in narrative environments. It depicts the way we perceive machine creativity and interaction, as well as the pitfalls we fall into when we succumb to the</p>

Section A: Publications of PhD Students

	metaphor of the mind of the machine., <i>I Was of Three Minds</i> , Floating Projects, Hong Kong, China, 22 May - 30 June 2021.
<b>YIU Siu Lung</b>	<p><u>IKESHIRO Ryo</u>, <u>LINDBORG Per Magnus</u>, <u>BLAZSEK Andras</u>, <u>LO Yun Ting</u>, <u>#CHEN Manni</u>, <u>#YIU Siu Lung</u>, Artist, Curator, "SoundLab Presents: Audio-Visual from Hong Kong, curated by Ryo Ikeshiro @ Seeing Sound", A selection of sound and moving image works by PerMagnus Lindborg, Ryo Ikeshiro, András Blazsek, Edwin Lo, Manni Chen and Alexmalism AKA Alex Yiu. SoundLab is a recently established research group at the Centre for Applied Computing and Interactive Media, City University of Hong Kong.</p> <p>Seeing Sound is an informal practice-led symposium exploring multimedia work which foregrounds the relationship between sound and image. It explores areas such as visual music, abstract cinema, experimental animation, audiovisual performance and installation practice through paper sessions, screenings, performances and installations., <i>Seeing Sound</i>, Youtube, Zoom Webinar, 12-13 December 2020.</p> <p><u>#YIU Siu Lung</u>, Composer, "E(ar)-Storm - Mini Concert with Artist Sharing", In this intriguing five-part programme, E(ar)-Storm takes you down a road less travelled in Hong Kong into the world of experimental music. Here, five key figures from the boundary-stretching scene introduce their notable achievements and the ideas behind them. <i>E(ar)-Storm</i>, Leisure and Cultural Services Department, Online, 28 November 2020.</p>
<b>ZHANG Yujia</b>	<p><u>#ZHANG Yujia</u>, <u>#WAN Hu</u>, Artist, "Dream of Happiness", Apart from convenience, what advancement in digital technology has brought us is a set of standards in life. Take moods for example, only happiness is considered as the ultimate goal to achieve, while other feelings are inefficient or useless. However, since when should we be so dependent on the technology to tell us what is good and what is not? If we can no longer take charge of our own emotions, what can we really take charge of?</p> <p>Our artwork "Dream of Happiness" features this standardized dream that digital technology has enforced on our emotions. It starts from a picture being taken. While waiting for the analyzed result of the facial expression's detailed components, an animation symbolizing the standardization process is being played. We can see how eight basic emotions, happiness, sadness, anger, contempt, surprise, neutral, disgust, and fear, come into being, as in well-designed shapes mimicking the DNA. Before that, an emotional wheel is designed and calculated by counting words that belongs to the category. And according to the emotional wheel, the atoms are first one or two alphabets of the words, forming hexagon rings. Last but not least, we can witness the process of happiness eats all the other emotions. After waking up from the dream, the real analyzing result is presented.</p> <p>If we force ourselves to wake up from the standardized dream created by digital technology, what should we finally believe? What should we do? Where should we go? Technology has been so incorporated into our lives that we have to consider how to live without it. , <i>System Dreams</i>, City University of Hong Kong, Hong Kong, China, 10-20 June 2021.</p>
<b>Patents, agreements, assignments and companies</b>	
<b>RUAN Lingyan</b>	<u>LAM Miu Ling</u> , <u>CHEN Bin</u> , <u>#RUAN Lingyan</u> , Autostereoscopic Multi-view Display System And Related Apparatus, Patent No.: US10,869,022, United States, 15 December 2020.
<b>All other outputs</b>	
<b>CAI Shaoyu</b>	<u>#CAI Shaoyu</u> , <u>BAN Yuki</u> , <u>NARUMI Takuji</u> , <u>ZHU Kening</u> , Best Paper Audience Choice Award, Best Paper Award from the Audience Choice in ICAT-EGVE 2020, ICAT-EGVE2020, International Conference on Artificial Reality and Telexistence and Eurographics Symposium on Virtual Environments, December 2020.
<b>HARRINGTON Johnathan</b>	<u>#HARRINGTON Johnathan</u> , <i>Workshops of Our Own: Analysing Constraint Play in Digital Games</i> , PhD Thesis, School of Creative Media, City University of Hong Kong, Hong Kong, PRC, 21 September 2020.
<b>LEUNG Michael Tze Kwong</b>	<u>#LEUNG Michael Tze Kwong</u> , "Wang Chau Village: (Non-)Indigenous Wisdom, Amidst Eviction", 30 November 2020, 6 p.

Section A: Publications of PhD Students

<b>LIU Jinping</b>	# <a href="#">LIU Jinping</a> , Silver Award of the 7th National Forum for Young Scholars in Film Studies, Awarded for the paper How Images Act: From the Paradigm of Representation to the Paradigm of Performance., 全国电影学青年学者论坛, 北京电影学院, China, 12 November 2020.
<b>LIU Mankun</b>	# <a href="#">LIU Mankun</a> , "劳丽丽 · “寂静春天来临前”", A review of Hong Kong artist Lo Lai Lai's solo exhibition "The Days Before the Silent Spring," held from December 15, 2020 to January 15, 2021 at WMA, Hong Kong. The review discusses the contexts and contents of Lo's farming, socially engaged, and ecologically concerned practices, how the artist reflects on these experiences through her art, as well as the ethics of employing optical devices and digital media in representing the Anthropocene landscape., 12 January 2021.
<b>MIROCHA Lukasz</b>	# <a href="#">MIROCHA Lukasz</a> , <i>Virtual Cameras and General-purpose Game Engines: On Hybrid and Programmable Aesthetics of 3D Real-time Environments</i> , PhD Thesis, School of Creative Media, City University of Hong Kong, Hong Kong, PRC, 04 February 2021.
<b>NASSER Arshad</b>	# <a href="#">NASSER Arshad</a> , <a href="#">ZHU Kening</a> , Bronze Medal for ThermalCane project at International Exhibition of Inventions of Geneva, Special Edition 2021 Inventions Geneva Evaluation Days, The International Exhibition of Inventions of Geneva, March 2021.
<b>PEREZ-BOBADILLA Mariana</b>	# <a href="#">PEREZ-BOBADILLA Mariana</a> , <i>The Microbial Posthuman Turn in Art and Biology: A Transforming Conceptualization of Microorganisms from Pathogens to Protagonists</i> , PhD Thesis, School of Creative Media, City University of Hong Kong, Hong Kong, PRC, 03 November 2020.
<b>TIMURGALIEVA Olga</b>	# <a href="#">TIMURGALIEVA Olga</a> , "Fieldnotes on Preparatory Work with Fungi", My work focuses on artistic projects that engage with biological matter and, specifically, on works that highlight relations between yeasts and plants, microorganisms, animals, and humans. In keeping with the advice of my thesis supervisor regarding best practices for my research, I perform preparatory work for my study in a DIY laboratory. The preparatory work is needed to understand the basics of dealing with yeast and the fundamentals of DIY laboratory techniques, as some of the artists in my research use DIY methods instead of professional labs. In this text, I share my notes and reflections on my experiences in the lab, including the jottings on making the plates to grow <i>Saccharomyces cerevisiae</i> or so-called baker's yeast., Self-published, Hong Kong, June 2021, 9 p.
<b>TRECCANI Carloalberto</b>	# <a href="#">TRECCANI Carloalberto</a> , <i>How Machines See the World: Five Essays on Biological and Artificial Vision</i> , PhD Thesis, School of Creative Media, City University of Hong Kong, Hong Kong, PRC, 14 December 2020.
<b>WONG Ashley Lee</b>	# <a href="#">WONG Ashley Lee</a> , <i>Emergent Economies of Art &amp; Technology: Modes of Making, Circulating and Organizing in the Contemporary Condition</i> , PhD Thesis, School of Creative Media, City University of Hong Kong, Hong Kong, PRC, 02 December 2020.
<b>SCHOOL OF DATA SCIENCE</b>	
<b>Journal publications</b>	
<b>CHEN Junlong</b>	# <a href="#">CHEN Junlong</a> , <a href="#">ZHANG Zijun</a> , WU Feng, "A data-driven method for enhancing the image-based automatic inspection of IC wire bonding defects", <i>International Journal of Production Research</i> , 27 September 2020, doi: <a href="https://doi.org/10.1080/00207543.2020.1821928">https://doi.org/10.1080/00207543.2020.1821928</a> .
<b>FANG Zhiying</b>	# <a href="#">FANG Zhiying</a> , <a href="#">FENG Han</a> , # <a href="#">HUANG Shuo</a> , <a href="#">ZHOU Dingxuan</a> , "Theory of deep convolutional neural networks II: Spherical analysis", <i>Neural Networks</i> , 131, 06 August 2020, pp 154-162, doi: <a href="https://doi.org/10.1016/j.neunet.2020.07.029">https://doi.org/10.1016/j.neunet.2020.07.029</a> .
<b>FEI Zicheng</b>	XU Fan, <a href="#">YANG Fangfang</a> , # <a href="#">FEI Zicheng</a> , HUANG Zhelin, TSUI Kwok Leung, "Life prediction of lithium-ion batteries based on stacked denoising autoencoders", <i>Reliability Engineering and System Safety</i> , 208, 04 December 2020, doi: <a href="https://doi.org/10.1016/j.ress.2020.107396">https://doi.org/10.1016/j.ress.2020.107396</a> .
	# <a href="#">FEI Zicheng</a> , <a href="#">YANG Fangfang</a> , TSUI Kwok Leung, <a href="#">LI Lishuai</a> , <a href="#">ZHANG Zijun</a> , "Early prediction of battery lifetime via a machine learning based framework", <i>Energy</i> , 225, 27 February 2021, doi: <a href="https://doi.org/10.1016/j.energy.2021.120205">https://doi.org/10.1016/j.energy.2021.120205</a> .
<b>HE Chaocheng</b>	# <a href="#">HE Chaocheng</a> , WU Jiang, <a href="#">ZHANG Qingpeng</a> , "Characterizing research leadership on geographically weighted collaboration network", <i>Scientometrics</i> , 126(5), 20 March 2021, pp 4005-4037, doi: <a href="https://doi.org/10.1007/s11192-021-03943-w">https://doi.org/10.1007/s11192-021-03943-w</a> .

Section A: Publications of PhD Students

	# <u>HE Chaocheng</u> , WU Jiang, <u>ZHANG Qingpeng</u> , "Proximity-aware research leadership recommendation in research collaboration via deep neural networks", <i>Journal of the Association for Information Science and Technology</i> , 28 June 2021, doi: <a href="https://doi.org/10.1002/asi.24546">https://doi.org/10.1002/asi.24546</a> .
<b>HE Yuxin</b>	TANG Liyang, <u>ZHAO Yang</u> , TSUI Kwok Leung, # <u>HE Yuxin</u> , PAN Liwei, "A Clustering Refinement Approach for Revealing Urban Spatial Structure from Smart Card Data", <i>Applied Sciences (Switzerland)</i> , 10(16), 13 August 2020, doi: <a href="https://doi.org/10.3390/app10165606">https://doi.org/10.3390/app10165606</a> .
	# <u>HE Yuxin</u> , <u>ZHAO Yang</u> , TSUI Kwok Leung, "Modeling and Analyzing Impact Factors of Metro Station Ridership: An Approach Based on a General Estimating Equation", <i>IEEE Intelligent Transportation Systems Magazine</i> , 12(4), 01 September 2020, pp 195-207, doi: <a href="https://doi.org/10.1109/MITS.2020.3014438">https://doi.org/10.1109/MITS.2020.3014438</a> .
<b>JIANG Fan</b>	# <u>JIANG Fan</u> , <u>TAN Matthias Hwai-yong</u> , "Shifted log loss Gaussian process model for expected quality loss prediction in robust parameter design", <i>Quality Technology &amp; Quantitative Management</i> , 26 April 2021, doi: <a href="https://doi.org/10.1080/16843703.2021.1910190">https://doi.org/10.1080/16843703.2021.1910190</a> .
	# <u>JIANG Fan</u> , <u>TAN Matthias Hwai-yong</u> , TSUI Kwok Leung, "Multiple-target robust design with multiple functional outputs", <i>IIE Transactions</i> , 53(9), 21 October 2020, pp 1052-1066, doi: <a href="https://doi.org/10.1080/24725854.2020.1823532">https://doi.org/10.1080/24725854.2020.1823532</a> .
<b>JING Fengshi</b>	# <u>JING Fengshi</u> , <u>ZHANG Qingpeng</u> , TANG Weiming, WANG Johnson Zixin, LAU Joseph Tak-Fai, LI Xiaoming, "Reconstructing the social network of HIV key populations from locally observed information", <i>AIDS Care - Psychological and Socio-Medical Aspects of AIDS/HIV</i> , 10 February 2021, doi: <a href="https://doi.org/10.1080/09540121.2021.1883514">https://doi.org/10.1080/09540121.2021.1883514</a> .
<b>LIN Chun Pang</b>	# <u>LIN Chun Pang</u> , LING Man Ho, CABRERA Javier Fernandez, YANG Fangfang, <u>YU Yau Wai Denis</u> , TSUI Kwok Leung, "Prognostics for lithium-ion batteries using a two-phase gamma degradation process model", <i>Reliability Engineering and System Safety</i> , 214, 25 May 2021, doi: <a href="https://doi.org/10.1016/j.res.2021.107797">https://doi.org/10.1016/j.res.2021.107797</a> .
<b>LIU Jiaying</b>	WANG Hailiang, <u>ZHAO Yang</u> , <u>YU Lisha</u> , # <u>LIU Jiaying</u> , <u>ZWETSLOOT Inez</u> , CABRERA Javier, TSUI Kwok Leung, "A Personalized Health Monitoring System for Community-Dwelling Elderly People in Hong Kong: Design, Implementation, and Evaluation Study", <i>Journal of Medical Internet Research</i> , 22(9), 30 September 2020, doi: <a href="https://doi.org/10.2196/19223">https://doi.org/10.2196/19223</a> .
<b>LIU Xin</b>	# <u>LIU Xin</u> , <u>ZHANG Zijun</u> , "A Two-Stage Deep Autoencoder-Based Missing Data Imputation Method for Wind Farm SCADA Data", <i>IEEE Sensors Journal</i> , 21(9), 22 February 2021, pp 10933-10945, doi: <a href="https://doi.org/10.1109/JSEN.2021.3061109">https://doi.org/10.1109/JSEN.2021.3061109</a> .
	# <u>LIU Xin</u> , # <u>YANG Luoxiao</u> , <u>ZHANG Zijun</u> , "Short-term Multi-step Ahead Wind Power Predictions Based on A Novel Deep Convolutional Recurrent Network Method", <i>IEEE Transactions on Sustainable Energy</i> , 22 March 2021, doi: <a href="https://doi.org/10.1109/TSTE.2021.3067436">https://doi.org/10.1109/TSTE.2021.3067436</a> .
	# <u>LIU Xin</u> , CAO Zheming, <u>ZHANG Zijun</u> , "Short-term predictions of multiple wind turbine power outputs based on deep neural networks with transfer learning", <i>Energy</i> , 217, 18 November 2020, doi: <a href="https://doi.org/10.1016/j.energy.2020.119356">https://doi.org/10.1016/j.energy.2020.119356</a> .
<b>PAN Hao</b>	# <u>PAN Hao</u> , ZHAO Yang, WANG Hailiang, <u>LI Xinyue</u> , LEUNG Eman, <u>CHEN Youhua Frank</u> , CABRERA Javier, TSUI Kwok Leung, "Influencing factors of Barthel index scores among the community-dwelling elderly in Hong Kong: a random intercept model", <i>BMC Geriatrics</i> , 21, 2021, doi: <a href="https://doi.org/10.1186/s12877-021-02422-4">https://doi.org/10.1186/s12877-021-02422-4</a> .
<b>QIAO Haike</b>	# <u>QIAO Haike</u> , <u>ZHANG Zijun</u> , SU Qin, "The optimal hourly electricity price considering wind electricity uncertainty based on conditional value at risk", <i>International Journal of Green Energy</i> , 18(5), 16 January 2021, pp 512-524, doi: <a href="https://doi.org/10.1080/15435075.2020.1865372">https://doi.org/10.1080/15435075.2020.1865372</a> .
	# <u>QIAO Haike</u> , SU Qin, "The prices and quality of new and remanufactured products in a new market segment", <i>International Transactions in Operational Research</i> , 28(2), 15 September 2020, pp 872-903, doi: <a href="https://doi.org/10.1111/itor.12873">https://doi.org/10.1111/itor.12873</a> .
	# <u>QIAO Haike</u> , SU Qin, "Impact of government subsidy on the remanufacturing industry", <i>Waste Management</i> , 120, 31 October 2020, pp 433-447, doi: <a href="https://doi.org/10.1016/j.wasman.2020.10.005">https://doi.org/10.1016/j.wasman.2020.10.005</a> .
	# <u>QIAO Haike</u> , SU Qin, "Distribution channel and licensing strategy choice considering consumer online reviews in a closed-loop supply chain", <i>Transportation Research Part E:</i>

Section A: Publications of PhD Students

	<i>Logistics and Transportation Review</i> , 151, 10 May 2021, doi: <a href="https://doi.org/10.1016/j.tre.2021.102338">https://doi.org/10.1016/j.tre.2021.102338</a> .
<b>WANG Tiange</b>	# <a href="#">WANG Tiange</a> , <a href="#">YANG Fangfang</a> , <a href="#">TSUI Kwok Leung</a> , "Real-Time Detection of Railway Track Component via One-Stage Deep Learning Networks", <i>Sensors (Switzerland)</i> , 20(15), 03 August 2020, doi: <a href="https://doi.org/10.3390/s20154325">https://doi.org/10.3390/s20154325</a> .
<b>XU Shirong</b>	# <a href="#">XU Shirong</a> , <a href="#">DAI Ben</a> , <a href="#">WANG Junhui</a> , "Sentiment analysis with covariate-assisted word embeddings", <i>Electronic Journal of Statistics</i> , 15(1), 04 June 2021, pp 3015-3039, doi: <a href="https://doi.org/10.1214/21-EJS1854">https://doi.org/10.1214/21-EJS1854</a> .
<b>XU Zhongzhi</b>	# <a href="#">XU Zhongzhi</a> , # <a href="#">YANG Jiannan</a> , <a href="#">LAU Kui Kai</a> , <a href="#">YIP Paul S. F.</a> , <a href="#">WONG Ian C K</a> , <a href="#">ZHANG Qingpeng</a> , "Understanding the Association Between Antidepressants and the Risk of Being Diagnosed with Dementia in Older People: A Self-Controlled Case Series Study", <i>Journal of Alzheimer's Disease</i> , 78(2), 10 November 2020, pp 735-744, doi: <a href="https://doi.org/10.3233/JAD-200875">https://doi.org/10.3233/JAD-200875</a> .
	# <a href="#">XU Zhongzhi</a> , <a href="#">ZHANG Jian</a> , <a href="#">ZHANG Qingpeng</a> , <a href="#">XUAN Qi</a> , <a href="#">YIP Paul Siu Fai</a> , "A Comorbidity Knowledge-Aware Model for Disease Prognostic Prediction", <i>IEEE Transactions on Cybernetics</i> , 07 May 2021, doi: <a href="https://doi.org/10.1109/TCYB.2021.3070227">https://doi.org/10.1109/TCYB.2021.3070227</a> .
	# <a href="#">XU Zhongzhi</a> , <a href="#">ZHANG Qingpeng</a> , <a href="#">YIP Paul Siu Fai</a> , "Predicting post-discharge self-harm incidents using disease comorbidity networks: A retrospective machine learning study", <i>Journal of Affective Disorders</i> , 277, 25 August 2020, pp 402-409, doi: <a href="https://doi.org/10.1016/j.jad.2020.08.044">https://doi.org/10.1016/j.jad.2020.08.044</a> .
	# <a href="#">XU Zhongzhi</a> , <a href="#">XU Yucan</a> , <a href="#">CHEUNG Florence</a> , <a href="#">CHENG Mabel</a> , <a href="#">LUNG Daniel</a> , <a href="#">LAW Yik Wa</a> , <a href="#">CHIANG Byron</a> , <a href="#">ZHANG Qingpeng</a> , <a href="#">YIP Paul S. F.</a> , "Detecting suicide risk using knowledge-aware natural language processing and counseling service data", <i>Social Science and Medicine</i> , 283, 25 June 2021, doi: <a href="https://doi.org/10.1016/j.socscimed.2021.114176">https://doi.org/10.1016/j.socscimed.2021.114176</a> .
	# <a href="#">XU Zhongzhi</a> , # <a href="#">YANG Jiannan</a> , <a href="#">ZHANG Qingpeng</a> , <a href="#">YIP Paul S. F.</a> , "Risk of suicide after a self-poisoning episode: a self-controlled case series study", <i>Social Psychiatry and Psychiatric Epidemiology</i> , 20 April 2021, doi: <a href="https://doi.org/10.1007/s00127-021-02074-0">https://doi.org/10.1007/s00127-021-02074-0</a> .
<b>YANG Jiannan</b>	# <a href="#">YANG Jiannan</a> , <a href="#">TANG Kaichen</a> , <a href="#">CAO Zhidong</a> , <a href="#">PFEIFFER Dirk Udo</a> , <a href="#">ZHAO Kang</a> , <a href="#">ZHANG Qingpeng</a> , <a href="#">ZENG Daniel Dajun</a> , "Demand-driven spreading patterns of African swine fever in China", <i>Chaos</i> , 31(6), 01 June 2021, doi: <a href="https://doi.org/10.1063/5.0053601">https://doi.org/10.1063/5.0053601</a> .
	# <a href="#">XU Zhongzhi</a> , # <a href="#">YANG Jiannan</a> , <a href="#">LAU Kui Kai</a> , <a href="#">YIP Paul S. F.</a> , <a href="#">WONG Ian C K</a> , <a href="#">ZHANG Qingpeng</a> , "Understanding the Association Between Antidepressants and the Risk of Being Diagnosed with Dementia in Older People: A Self-Controlled Case Series Study", <i>Journal of Alzheimer's Disease</i> , 78(2), 10 November 2020, pp 735-744, doi: <a href="https://doi.org/10.3233/JAD-200875">https://doi.org/10.3233/JAD-200875</a> .
	# <a href="#">YANG Jiannan</a> , <a href="#">ZHANG Qingpeng</a> , <a href="#">CAO Zhidong</a> , <a href="#">GAO Jianxi</a> , <a href="#">PFEIFFER Dirk Udo</a> , <a href="#">ZHONG Lu</a> , <a href="#">ZENG Daniel Dajun</a> , "The impact of non-pharmaceutical interventions on the prevention and control of COVID-19 in New York City", <i>Chaos</i> , 31(2), 09 February 2021, doi: <a href="https://doi.org/10.1063/5.0040560">https://doi.org/10.1063/5.0040560</a> .
	# <a href="#">XU Zhongzhi</a> , # <a href="#">YANG Jiannan</a> , <a href="#">ZHANG Qingpeng</a> , <a href="#">YIP Paul S. F.</a> , "Risk of suicide after a self-poisoning episode: a self-controlled case series study", <i>Social Psychiatry and Psychiatric Epidemiology</i> , 20 April 2021, doi: <a href="https://doi.org/10.1007/s00127-021-02074-0">https://doi.org/10.1007/s00127-021-02074-0</a> .
<b>YANG Luoxiao</b>	# <a href="#">YANG Luoxiao</a> , <a href="#">ZHANG Zijun</a> , "Wind Turbine Gearbox Failure Detection Based on SCADA Data: A Deep Learning Based Approach", <i>IEEE Transactions on Instrumentation and Measurement</i> , 70, 18 December 2020, doi: <a href="https://doi.org/10.1109/TIM.2020.3045800">https://doi.org/10.1109/TIM.2020.3045800</a> .
	# <a href="#">LIU Xin</a> , # <a href="#">YANG Luoxiao</a> , <a href="#">ZHANG Zijun</a> , "Short-term Multi-step Ahead Wind Power Predictions Based on A Novel Deep Convolutional Recurrent Network Method", <i>IEEE Transactions on Sustainable Energy</i> , 22 March 2021, doi: <a href="https://doi.org/10.1109/TSTE.2021.3067436">https://doi.org/10.1109/TSTE.2021.3067436</a> .
	# <a href="#">YANG Luoxiao</a> , <a href="#">ZHANG Zijun</a> , "A Conditional Convolutional Autoencoder-Based Method for Monitoring Wind Turbine Blade Breakages", <i>IEEE Transactions on Industrial Informatics</i> , 17(9), 23 July 2020, pp 6390-6398, doi: <a href="https://doi.org/10.1109/TII.2020.3011441">https://doi.org/10.1109/TII.2020.3011441</a> .
<b>YE Yang</b>	# <a href="#">YE Yang</a> , <a href="#">ZHANG Qingpeng</a> , <a href="#">CAO Zhidong</a> , <a href="#">ZENG Daniel Dajun</a> , "Optimal vaccination program for two infectious diseases with cross-immunity spreading on a network", <i>Europhysics Letters</i> , 133(4), January 2021, doi: <a href="https://doi.org/10.1209/0295-5075/133/46001">https://doi.org/10.1209/0295-5075/133/46001</a> .
	# <a href="#">YE Yang</a> , <a href="#">ZHANG Qingpeng</a> , <a href="#">RUAN Zhongyuan</a> , <a href="#">CAO Zhidong</a> , <a href="#">XUAN Qi</a> , <a href="#">ZENG Daniel Dajun</a> , "Effect of heterogeneous risk perception on information diffusion, behavior change, and



Section A: Publications of PhD Students

	disease transmission", <i>Physical Review E</i> , 102(4), 30 October 2020, doi: <a href="https://doi.org/10.1103/PhysRevE.102.042314">https://doi.org/10.1103/PhysRevE.102.042314</a> .
<b>ZHANG Bingying</b>	#ZHANG Bingying, ZHANG Zijun, "A robust model for scheduling power productions of multiple offshore wind farms using one-to-many maintenance services", <i>IET Renewable Power Generation</i> , 26 June 2021, doi: <a href="https://doi.org/10.1049/rpg2.12235">https://doi.org/10.1049/rpg2.12235</a> .
	#ZHANG Bingying, ZHANG Zijun, "A two-stage model for asynchronously scheduling offshore wind farm maintenance tasks and power productions", <i>International Journal of Electrical Power &amp; Energy Systems</i> , 130, 31 March 2021, doi: <a href="https://doi.org/10.1016/j.ijepes.2021.107013">https://doi.org/10.1016/j.ijepes.2021.107013</a> .
<b>ZHANG Hongbin</b>	#ZHANG Hongbin, WU Feng, YANG Zhen, "Hybrid approach for a single-batch-processing machine scheduling problem with a just-in-time objective and consideration of non-identical due dates of jobs", <i>Computers and Operations Research</i> , 128, 24 December 2020, doi: <a href="https://doi.org/10.1016/j.cor.2020.105194">https://doi.org/10.1016/j.cor.2020.105194</a> .
<b>ZHANG Jingnan</b>	#ZHANG Jingnan, HE Xin, WANG Junhui, "Directed Community Detection With Network Embedding", <i>Journal of the American Statistical Association</i> , 25 March 2021, doi: <a href="https://doi.org/10.1080/01621459.2021.1887742">https://doi.org/10.1080/01621459.2021.1887742</a> .
<b>ZHENG Zhong</b>	#ZHENG Zhong, CHEN Zhiyuan, SAVASER Sinem Kinay, "The implications of contract timing on a supply chain with random yield", <i>International Journal of Production Economics</i> , 240, 28 June 2021, doi: <a href="https://doi.org/10.1016/j.ijpe.2021.108215">https://doi.org/10.1016/j.ijpe.2021.108215</a> .
	#ZHENG Zhong, QI Haoyang, #ZHUANG Li, ZHANG Zijun, "Automated rail surface crack analytics using deep data-driven models and transfer learning", <i>Sustainable Cities and Society</i> , 70, 31 March 2021, doi: <a href="https://doi.org/10.1016/j.scs.2021.102898">https://doi.org/10.1016/j.scs.2021.102898</a> .
<b>ZHOU Hanchu</b>	XU Pengpeng, #ZHOU Hanchu, WONG S. C., "On random-parameter count models for out-of-sample crash prediction: Accounting for the variances of random-parameter distributions", <i>Accident Analysis and Prevention</i> , 159, 10 June 2021, doi: <a href="https://doi.org/10.1016/j.aap.2021.106237">https://doi.org/10.1016/j.aap.2021.106237</a> .
<b>ZHOU Jiandong</b>	CIOBANU Ana, GHEORGHE Gabriela Silvia, INȚĂ Oana Mihaela, #ZHOU Jiandong, ZHANG Qingpeng, TSE Gary, "MUTUAL INFORMATION REVEALS NON-LINEAR RELATIONSHIPS BETWEEN ELECTROCARDIOGRAPHIC CONDUCTION OR REPOLARIZATION INDICES AND MECHANICAL DISPERSION BY SPECKLE-TRACKING ECHOCARDIOGRAPHY IN THE GENERAL POPULATION", <i>Ultrasound in Medicine and Biology</i> , 47(5), 20 February 2021, pp 1408-1420, doi: <a href="https://doi.org/10.1016/j.ultrasmedbio.2021.01.027">https://doi.org/10.1016/j.ultrasmedbio.2021.01.027</a> .
	TSE Gary, LEE Sharen, LI Andrew, CHANG Dong, LI Guangping, #ZHOU Jiandong, LIU Tong, ZHANG Qingpeng, "Automated Electrocardiogram Analysis Identifies Novel Predictors of Ventricular Arrhythmias in Brugada Syndrome", <i>Frontiers in Cardiovascular Medicine</i> , 7, 14 January 2021, doi: <a href="https://doi.org/10.3389/fcvm.2020.618254">https://doi.org/10.3389/fcvm.2020.618254</a> .
	TSE Gary, #ZHOU Jiandong, LEE Sharen, LIU Tong, BAZOUKIS George, MILILIS Panagiotis, WONG Ian C K, CHEN Cheng, XIA Yunlong, KAMAKURA Tsukasa, AIBA Takeshi, KUSANO Kengo, ZHANG Qingpeng, LETSAS Konstantinos P., "Incorporating Latent Variables Using Nonnegative Matrix Factorization Improves Risk Stratification in Brugada Syndrome", <i>Journal of the American Heart Association</i> , 9(22), 10 November 2020, doi: <a href="https://doi.org/10.1161/JAHA.119.012714">https://doi.org/10.1161/JAHA.119.012714</a> .
	#DONG Yang, CHOW Wing Yin, WU Sammy Xiao-Ying, #ZHOU Jiandong, ZHAO Ya Man, "Enhancing Poor Readers' Reading Comprehension Ability through Word Semantic Knowledge Training", <i>Reading and Writing Quarterly</i> , 06 October 2020, doi: <a href="https://doi.org/10.1080/10573569.2020.1820410">https://doi.org/10.1080/10573569.2020.1820410</a> .
	#ZHOU Jiandong, ZHANG Qingpeng, LI Xiang, "Fuzzy factorization machine", <i>Information Sciences</i> , 546, 06 October 2020, pp 1135-1147, doi: <a href="https://doi.org/10.1016/j.ins.2020.09.067">https://doi.org/10.1016/j.ins.2020.09.067</a> .
	LEE Sharen, #ZHOU Jiandong, LEUNG Keith Sai Kit, WU William Ka Kei, WONG Wing-Tak, LIU Tong, WONG Ian Chi Kei, JEEVARATNAM Kamalan, ZHANG Qingpeng, TSE Gary, "Development of a predictive risk model for all-cause mortality in patients with diabetes in Hong Kong", <i>BMJ Open Diabetes Research &amp; Care</i> , 9(1), 11 June 2021, doi: <a href="https://doi.org/10.1136/bmjdr-2020-001950">https://doi.org/10.1136/bmjdr-2020-001950</a> .

Section A: Publications of PhD Students

<p>LEE Sharen, #ZHOU Jiandong, LI Ka Hou Christien, LEUNG Keith Sai Kit, LAKHANI Ishan , LIU Tong, WONG Ian Chi Kei, MOK Ngai Shing, MAK Chloe, JEEVARATNAM Kamalan, ZHANG Qingpeng, TSE Gary, "Territory-wide cohort study of Brugada syndrome in Hong Kong: predictors of long-term outcomes using random survival forests and non-negative matrix factorisation", <i>Open Heart</i>, 8(1), 05 February 2021, doi: <a href="https://doi.org/10.1136/openhrt-2020-001505">https://doi.org/10.1136/openhrt-2020-001505</a>.</p>
<p>BAZOUKIS George, STAVRAKIS Stavros, #ZHOU Jiandong, BOLLEPALLI Sandeep Chandra, TSE Gary, ZHANG Qingpeng, SINGH Jagmeet P., ARMOUNDAS Antonis A., "Machine learning versus conventional clinical methods in guiding management of heart failure patients—a systematic review", <i>Heart Failure Reviews</i>, 26(1), 27 July 2020, pp 23-34, doi: <a href="https://doi.org/10.1007/s10741-020-10007-3">https://doi.org/10.1007/s10741-020-10007-3</a>.</p>
<p>#ZHOU Jiandong, LEE Sharen, WONG Wing-Tak, LEUNG Keith Sai Kit, NAM Ronald Hang Kin, LEUNG Prudence Shun Hay, CHAU Yau-Lam Alex, LIU Tong, CHANG Carlin, CHEUNG Bernard Man Yung, TSE Gary, ZHANG Qingpeng, "Gender- and Age-Specific Associations of Visit-to-Visit Blood Pressure Variability With Anxiety", <i>Frontiers in Cardiovascular Medicine</i>, 8, 07 May 2021, doi: <a href="https://doi.org/10.3389/fcvm.2021.650852">https://doi.org/10.3389/fcvm.2021.650852</a>.</p>
<p>#ZHOU Jiandong, LI Helen, CHANG Carlin, WU Ka Kei William, WANG Xiansong, LIU Tong, CHEUNG Bernard Man Yung, ZHANG Qingpeng, LEE Sharen, TSE Gary, "The association between blood pressure variability and hip or vertebral fracture risk: A population-based study", <i>Bone</i>, 150, 23 May 2021, doi: <a href="https://doi.org/10.1016/j.bone.2021.116015">https://doi.org/10.1016/j.bone.2021.116015</a>.</p>
<p>DU Jiaoman, #ZHOU Jiandong, LI Xiang, LI Lei, GUO Ao, "Integrated self-driving travel scheme planning", <i>International Journal of Production Economics</i>, 232, 21 October 2020, doi: <a href="https://doi.org/10.1016/j.ijpe.2020.107963">https://doi.org/10.1016/j.ijpe.2020.107963</a>.</p>
<p>TSE Gary, HAO Guoliang, LEE Sharen, #ZHOU Jiandong, ZHANG Qingpeng, DU Yimei, LIU Tong, CHENG Shuk Han, WONG Wing Tak, "Measures of Repolarization Variability Predict Ventricular Arrhythmogenesis in Heptanol-Treated Langendorff-perfused Mouse Hearts", <i>Current Research in Physiology</i>, 4, 19 April 2021, pp 125-134, doi: <a href="https://doi.org/10.1016/j.crphys.2021.04.001">https://doi.org/10.1016/j.crphys.2021.04.001</a>.</p>
<p>JU Chengsheng, #ZHOU Jiandong, LEE Sharen, TAN Martin Sebastian, LIU Tong, BAZOUKIS George, JEEVARATNAM Kamalan, CHAN Esther W.Y., WONG Ian Chi Kei, WEI Li, ZHANG Qingpeng, TSE Gary, "Derivation of an electronic frailty index for predicting short-term mortality in heart failure: a machine learning approach", <i>ESC heart failure</i>, 8(4), 03 June 2021, pp 2837-2845, doi: <a href="https://doi.org/10.1002/ehf2.13358">https://doi.org/10.1002/ehf2.13358</a>.</p>
<p>TSE Gary, #ZHOU Jiandong, LEE Sharen, WONG Wing-Tak, LI Xintao, LIU Tong, CAO Zhidong, ZENG Daniel Dajun, WAI Abraham KC, WONG Ian Chi Kei, CHEUNG Bernard Man Yung, ZHANG Qingpeng, "Relationship between angiotensin-converting enzyme inhibitors or angiotensin receptor blockers and COVID-19 incidence or severe disease", <i>Journal of Hypertension</i>, 39(8), 09 April 2021, pp 1717-1724, doi: <a href="https://doi.org/10.1097/HJH.0000000000002866">https://doi.org/10.1097/HJH.0000000000002866</a>.</p>
<p>LEE Sharen, #ZHOU Jiandong, LEUNG Keith Sai Kit, WU William Ka Kei, WONG Wing-Tak, LIU Tong, WONG Ian Chi Kei, JEEVARATNAM Kamalan, ZHANG Qingpeng, TSE Gary, "Development of a predictive risk model for all-cause mortality in patients with diabetes in Hong Kong", <i>BMJ Open Diabetes Research and Care</i>, 9(1), 11 June 2021, doi: <a href="https://doi.org/10.1136/bmjdr-2020-001950">https://doi.org/10.1136/bmjdr-2020-001950</a>.</p>
<p>LEE Sharen, #ZHOU Jiandong, GUO Cosmos Liutao, WONG Wing-Tak, LIU Tong, WONG Ian Chi Kei, JEEVARATNAM Kamalan, ZHANG Qingpeng, TSE Gary, "Predictive scores for identifying patients with type 2 diabetes mellitus at risk of acute myocardial infarction and sudden cardiac death", <i>Endocrinology, Diabetes and Metabolism</i>, 4(3), 19 February 2021, doi: <a href="https://doi.org/10.1002/edm2.240">https://doi.org/10.1002/edm2.240</a>.</p>
<p>YOUNG Sean D., ZHANG Qingpeng, #ZHOU Jiandong, PACULA Rosalie Liccardo, "Internet search and medicaid prescription drug data as predictors of opioid emergency department visits", <i>npj Digital Medicine</i>, 4, 11 February 2021, doi: <a href="https://doi.org/10.1038/s41746-021-00392-w">https://doi.org/10.1038/s41746-021-00392-w</a>.</p>
<p>LEE Sharen, #ZHOU Jiandong, LIU Tong , LETSAS Konstantinos, HOTHI Sandeep, VASSILIOU Vass, LI Guoliang, BARANCHUK Adrian, SY Raymond W., CHANG Dong, ZHANG Qingpeng, TSE Gary, "Temporal Variability in Electrocardiographic Indices in Subjects With Brugada</p>

Section A: Publications of PhD Students

	Patterns", <i>Frontiers in Physiology</i> , 11, 03 September 2020, doi: <a href="https://doi.org/10.3389/fphys.2020.00953">https://doi.org/10.3389/fphys.2020.00953</a> .
	LEE Sharen, LIU Tong, #ZHOU Jiandong, ZHANG Qingpeng, WONG Wing Tak, TSE Gary, "Predictions of diabetes complications and mortality using hba1c variability: a 10-year observational cohort study", <i>Acta Diabetologica</i> , 58(2), 16 September 2020, pp 171-180, doi: <a href="https://doi.org/10.1007/s00592-020-01605-6">https://doi.org/10.1007/s00592-020-01605-6</a> .
	LEE Sharen, #ZHOU Jiandong, WONG Wing Tak, LIU Tong, WU Ka Kei William, WONG Ian Chi Kei, ZHANG Qingpeng, TSE Gary, "Glycemic and lipid variability for predicting complications and mortality in diabetes mellitus using machine learning", <i>BMC Endocrine Disorders</i> , 21, 04 May 2021, doi: <a href="https://doi.org/10.1186/s12902-021-00751-4">https://doi.org/10.1186/s12902-021-00751-4</a> .
	#ZHOU Jiandong, LEE Sharen, WANG Xiansong, LI Yi, WU William Ka Kei, LIU Tong, CAO Zhidong, ZENG Daniel Dajun, LEUNG Keith Sai Kit, WAI Abraham Ka Chung, WONG Ian Chi Kei, CHEUNG Bernard Man Yung, ZHANG Qingpeng, TSE Gary, "Development of a multivariable prediction model for severe COVID-19 disease: a population-based study from Hong Kong", <i>npj Digital Medicine</i> , 4, 08 April 2021, doi: <a href="https://doi.org/10.1038/s41746-021-00433-4">https://doi.org/10.1038/s41746-021-00433-4</a> .
	CHEN Yiyi, #ZHOU Jiandong, LEE Sharen, LIU Tong, WU William Ka Kei, HOTH Sandeep, ZHANG Qingpeng, TSE Gary, WANG Yan, "Electronic frailty index for predicting mortality outcome of patients undergoing transaortic valvular implantation", <i>European Heart Journal: Acute Cardiovascular Care</i> , 10(Supplement 1), 26 April 2021, doi: <a href="https://doi.org/10.1093/ehjacc/zuab020.211">https://doi.org/10.1093/ehjacc/zuab020.211</a> .
	CHEN Cheng, #ZHOU Jiandong, YU Haixu, ZHANG Qingpeng, GAO Lianjun, YIN Xiaomeng, DONG Yingxue, LIN Yajuan, LI Daobo, YANG Yiheng, WANG Yunsong, TSE Gary, XIA Yunlong, "Identification of important risk factors for all-cause mortality of acquired long QT syndrome patients using random survival forests and non-negative matrix factorization", <i>Heart Rhythm</i> , 18(3), 28 October 2020, pp 426-433, doi: <a href="https://doi.org/10.1016/j.hrthm.2020.10.022">https://doi.org/10.1016/j.hrthm.2020.10.022</a> .
	TSE Gary, LEE Sharen, #ZHOU Jiandong, LIU Tong, WONG Ian Chi Kei, MAK Chloe, MOK Ngai Shing, JEEVARATNAM Kamalan, ZHANG Qingpeng, CHENG Shuk Han, WONG Jack, "Territory-Wide Chinese Cohort of Long QT Syndrome: Random Survival Forest and Cox Analyses", <i>Frontiers in Cardiovascular Medicine</i> , 8, 05 February 2021, doi: <a href="https://doi.org/10.3389/fcvm.2021.608592">https://doi.org/10.3389/fcvm.2021.608592</a> .
<b>ZHOU Min</b>	#ZHOU Min, WANG Bo, GUO Shudong, WATADA Junzo, "Multi-objective prediction intervals for wind power forecast based on deep neural networks", <i>Information Sciences</i> , 550, 21 October 2020, pp 207-220, doi: <a href="https://doi.org/10.1016/j.ins.2020.10.034">https://doi.org/10.1016/j.ins.2020.10.034</a> .
<b>ZHU Xinting</b>	#ZHU Xinting, LI Lishuai, "Flight time prediction for fuel loading decisions with a deep learning approach", <i>Transportation Research Part C: Emerging Technologies</i> , 128, 08 May 2021, doi: <a href="https://doi.org/10.1016/j.trc.2021.103179">https://doi.org/10.1016/j.trc.2021.103179</a> .
<b>ZHUANG Li</b>	#ZHENG Zhong, QI Haoyang, #ZHUANG Li, ZHANG Zijun, "Automated rail surface crack analytics using deep data-driven models and transfer learning", <i>Sustainable Cities and Society</i> , 70, 31 March 2021, doi: <a href="https://doi.org/10.1016/j.scs.2021.102898">https://doi.org/10.1016/j.scs.2021.102898</a> .
<b>Conference papers</b>	
<b>HE Yuxin</b>	#HE Yuxin, ZHAO Yang, WANG Hao, TSUI Kwok Leung, "GC-LSTM: A Deep Spatiotemporal Model for Passenger Flow Forecasting of High-Speed Rail Network", <i>2020 IEEE 23rd International Conference on Intelligent Transportation Systems (ITSC)</i> , Virtual, Rhodes, Greece, 20-23 September 2020, (ISBN: 9781728141497,9781728141503).
<b>HUANG Yiyang</b>	#HUANG Yiyang, LEUNG Cheuk Hang, YAN Xing, WU Qi, PENG Nanbo, WANG Dongdong, HUANG Zhixiang, "The Causal Learning of Retail Delinquency", <i>The Thirty-Fifth AAAI Conference on Artificial Intelligence (AAAI-21)</i> , Virtual, 02-09 February 2021, pp 204-212, (ISBN: 978-1-57735-866-4 (set)).
<b>YANG Luoxiao</b>	#FAN Xinqi, #RIZWAN., #SHAHID Ali Raza, #CAO Jianfeng, #YANG Luoxiao, YAN Hong, "Hybrid Separable Convolutional Inception Residual Network for Human Facial Expression Recognition", <i>Proceedings of 2020 International Conference on Machine Learning and Cybernetics</i> , Virtual, Adelaide, Australia, 04 December 2020, pp 21-26, (ISBN: 978-0-7381-2426-1,978-1-6654-1943-7,978-1-6654-3007-4).
<b>ZHANG Jing</b>	ZHANG Yaquan, WU Qi, PENG Nanbo, DAI Min, #ZHANG Jing, WANG Hu, "Memory-Gated Recurrent Networks", <i>The Thirty-Fifth AAAI Conference on Artificial Intelligence (AAAI-21)</i> , Virtual, 02-09 February 2021, pp 10956-10963, (ISBN: 978-1-57735-866-4 (set)).

Section A: Publications of PhD Students

<b>All other outputs</b>	
<b>FANG Zhiying</b>	# <u>FANG Zhiying</u> , <i>Analysis for Distribution Regression and Deep Learning</i> , PhD Thesis, School of Data Science, City University of Hong Kong, Hong Kong, PRC, 07 July 2020.
<b>HE Yuxin</b>	# <u>HE Yuxin</u> , <i>Data-Driven Research on Traffic in Transportation Networks: Analysis, Modelling, and Forecasting</i> , PhD Thesis, School of Data Science, City University of Hong Kong, Hong Kong, PRC, 10 August 2020.
<b>JIANG Fan</b>	# <u>JIANG Fan</u> , <i>Contributions to Robust Parameter Design with Computer Experiments</i> , PhD Thesis, School of Data Science, City University of Hong Kong, Hong Kong, PRC, 11 February 2021.
<b>LIU Jiaxing</b>	# <u>LIU Jiaxing</u> , <i>Machine Learning-Based Approaches for Monitoring and Decision Support in Digital Health</i> , PhD Thesis, School of Data Science, City University of Hong Kong, Hong Kong, PRC, 22 January 2021.
<b>SHENG Chong</b>	# <u>SHENG Chong</u> , <i>Theory and Construction of Some Space-filing Designs</i> , PhD Thesis, School of Data Science, City University of Hong Kong, Hong Kong, PRC, 17 June 2021.
<b>XU Zhongzhi</b>	# <u>XU Zhongzhi</u> , <i>Knowledge-Enhanced Prognostic Prediction Models for Depressive Disorders and Suicidal Behavior</i> , PhD Thesis, School of Data Science, City University of Hong Kong, Hong Kong, PRC, 27 August 2020.
<b>YANG Ang</b>	# <u>YANG Ang</u> , <i>Study on Degradation-based Prognostics and Health Management Methods of Storage Electromechanical Equipment</i> , PhD Thesis, School of Data Science, City University of Hong Kong, Hong Kong, PRC, 07 August 2020.
<b>ZHUANG Li</b>	# <u>ZHUANG Li</u> , <i>Computer Vision Based Health Monitoring in Railway Infrastructure</i> , PhD Thesis, School of Data Science, City University of Hong Kong, Hong Kong, PRC, 27 August 2020.
<b>SCHOOL OF ENERGY AND ENVIRONMENT</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>LIU Rugeng</b>	# <u>MAK Chun Hong</u> , # <u>LIU Rugeng</u> , # <u>HSU Sam H Y</u> , "Ultrafast Spectroscopic Techniques in Photocatalysis", <i>Heterogeneous Catalysts - Advanced Design, Characterization, and Applications</i> , Vol 1, Ng Yun Hau, Sit Patrick, Teoh Wey Yang and Urakawa Atsushi (eds), Wiley-VCH, ISBN: 9783527344154 ,9783527813599 , 26 February 2021, pp 377-397.
<b>MAK Chun Hong</b>	# <u>MAK Chun Hong</u> , # <u>LIU Rugeng</u> , # <u>HSU Sam H Y</u> , "Ultrafast Spectroscopic Techniques in Photocatalysis", <i>Heterogeneous Catalysts - Advanced Design, Characterization, and Applications</i> , Vol 1, Ng Yun Hau, Sit Patrick, Teoh Wey Yang and Urakawa Atsushi (eds), Wiley-VCH, ISBN: 9783527344154 ,9783527813599 , 26 February 2021, pp 377-397.
<b>NALLAPANENI Manoj Kumar</b>	CHAND Aneesh A., PRASAD Kushal A., MAMUN Kabir A., ISLAM F.r., # <u>NALLAPANENI Manoj Kumar</u> , RAJPUT Pramod, SANJEEVIKUMAR P., "Microgrid Modeling and Simulations", <i>Microgrids</i> , Edition 1st, Holm-Nielsen Jens Bo, Karthikeyan S. Prabhakar, Nithyananthan K. and Padmanaban Sanjeevikumar (eds), CRC Press, ISBN: 978-0-367-41718-5,978-0-367-61261-0,978-0-367-81592-9, 25 November 2020, pp 59-79.
	SINGH Preeti, ELAVARASAN Rajvikram Madurai, # <u>NALLAPANENI Manoj Kumar</u> , KHANNA Sourav, BECERRA Victor, NEWAR Sanjeev, SHARMA Vashi, RADULOVIC Jovana, KHUSAINOV Rinat, HUTCHINSON David, "Photovoltaic Thermal Collectors with Phase Change Material for Southeast of England", <i>Proceedings of the 7th International Conference on Advances in Energy Research</i> , Bose Manaswita and Modi Anish (eds), Springer, ISBN: 978-981-15-5954-9,978-981-15-5955-6, Singapore, 18 October 2020, pp 1425-1430.
	CHAND Aneesh A., PRASAD Kushal A., ISLAM F.r., MAMUN Kabir A., # <u>NALLAPANENI Manoj Kumar</u> , RAJPUT Pramod, SANJEEVIKUMAR P., NITHIYANANTHAN K., "AC/DC Microgrids", <i>Microgrids</i> , Edition 1st, Holm-Nielsen Jens Bo, Karthikeyan S. Prabhakar , Nithyananthan K. and Padmanaban Sanjeevikumar (eds), CRC Press, ISBN: 978-0-367-41718-5,978-0-367-61261-0,978-0-367-81592-9, 25 November 2020, pp 41-58.
	AGHAEI Mohammadreza, # <u>NALLAPANENI Manoj Kumar</u> , ESKANDARI Aref, AHMED Hamsa, DE OLIVEIRA Aline Kirsten Vidal, # <u>CHOPRA Shauhrat Singh</u> , "Solar PV systems design and monitoring", <i>Photovoltaic Solar Energy Conversion - Technologies, Applications and Environmental Impacts</i> , Edition 1st, Gorjian Shiva and Shukla Ashish (eds), Academic Press, ISBN: 978-0-12-819610-6,978-0-12-822641-4, 20 July 2020, pp 117-145.
	# <u>NALLAPANENI Manoj Kumar</u> , # <u>CHOPRA Shauhrat Singh</u> , DE OLIVEIRA Aline Kirsten Vidal, AHMED Hamsa, VAEZI Shima, MADUKANYA Uzoma Edward, CASTAÑÓN Juan M., "Solar PV

Section A: Publications of PhD Students

	<p>module technologies", <i>Photovoltaic Solar Energy Conversion - Technologies, Applications and Environmental Impacts</i>, Edition 1st, Gorjian Shiva and Shukla Ashish (eds), Academic Press, ISBN: 978-0-12-819610-6,978-0-12-822641-4, 20 July 2020, pp 51-78.</p> <p>#NALLAPANENI Manoj Kumar, AJITHA A., CHAND Aneesh A., GOEL Sonali, "Performance of Photovoltaics in Ground Mount-Floating-Submerged Installation Methods", <i>Advances in Systems, Control and Automations - Select Proceedings of ETAEERE 2020</i>, Balas Valentina Emilia, Bhoi Akash Kumar, Mallick Pradeep Kumar and Mishra Bhabani Shankar Prasad (eds), Springer Nature, ISBN: 978-981-15-8684-2,978-981-15-8685-9,978-981-15-8687-3, Singapore, 20 March 2021, pp 199-207.</p> <p>#NALLAPANENI Manoj Kumar, CHOPRA Shauhrat Singh, RAJPUT Pramod, "Life cycle assessment and environmental impacts of solar PV systems", <i>Photovoltaic Solar Energy Conversion - Technologies, Applications and Environmental Impacts</i>, Edition 1st, Gorjian Shiva and Shukla Ashish (eds), Academic Press, ISBN: 978-0-12-819610-6,978-0-12-822641-4, 20 July 2020, pp 391-411.</p>
<b>Journal publications</b>	
<b>AO Kelong</b>	#AO Kelong, WEI Qufu, DAOUD Walid, "MOF-Derived Sulfide-Based Electrocatalyst and Scaffold for Boosted Hydrogen Production", <i>ACS Applied Materials &amp; Interfaces</i> , 12(30), 06 July 2020, pp 33595–33602, doi: <a href="https://doi.org/10.1021/acsmi.0c04302">https://doi.org/10.1021/acsmi.0c04302</a> .
<b>BAI Shengxi</b>	<p>#BAI Shengxi, HO Tsz Chung, HA Jimyeong, AN Kyoung Jin Alicia, TSO Chi Yan, "Study of the salinity effects on the cooling and desalination performance of an adsorption cooling cum desalination system with a novel composite adsorbent", <i>Applied Thermal Engineering</i>, 181, 25 August 2020, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2020.115879">https://doi.org/10.1016/j.applthermaleng.2020.115879</a>.</p> <p>#BAI Shengxi, LIU Chunhua, "Overview of energy harvesting and emission reduction technologies in hybrid electric vehicles", <i>Renewable and Sustainable Energy Reviews</i>, 147, 20 May 2021, doi: <a href="https://doi.org/10.1016/j.rser.2021.111188">https://doi.org/10.1016/j.rser.2021.111188</a>.</p>
<b>CALVIN -</b>	#GONG Bo, #CALVIN -, YU Han-Qing, SIT Patrick, "Density Functional Theory Investigation into the Effects of Dissolved Organic Matter on H <sub>2</sub> O <sub>2</sub> Activation over $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> (001) Surfaces", <i>Journal of Physical Chemistry C</i> , 125(16), 18 March 2021, pp 8508–8517, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c09983">https://doi.org/10.1021/acs.jpcc.0c09983</a> .
<b>CHAN Wing Lam</b>	#CHAN Wing Lam, HE Betsy, #WANG Xiong, HE Mingliang, "Pandemic COVID-19: Current status and challenges of antiviral therapies", <i>Genes and Diseases</i> , 7(4), 07 July 2020, pp 502-519, doi: <a href="https://doi.org/10.1016/j.gendis.2020.07.001">https://doi.org/10.1016/j.gendis.2020.07.001</a> .
<b>CHEN Keda</b>	#ZHANG Yizhen, HU Jue, ZHANG Chengxu, QI Qianglong, LUO Shanxiong, #CHEN Keda, LIU Lifen, LEUNG Kwok Hi Michael, "Electrochemical synthesis of ammonia from nitrogen catalyzed by CoMoO <sub>4</sub> nanorods under ambient conditions", <i>Journal of Materials Chemistry A</i> , 9(8), 18 January 2021, pp 5060-5066, doi: <a href="https://doi.org/10.1039/d0ta08983d">https://doi.org/10.1039/d0ta08983d</a> .
<b>CHOI Paula Jungwon</b>	<p>TRAN Van Huy, LIM Sungil, #CHOI Paula Jungwon, AN Kyoung Jin Alicia, HAN Dong Suk, PHUNTSO Sherub, SHON Hokyong, "Submerged versus side-stream osmotic membrane bioreactors using an outer-selective hollow fiber osmotic membrane for desalination", <i>Desalination</i>, 515, 26 June 2021, doi: <a href="https://doi.org/10.1016/j.desal.2021.115196">https://doi.org/10.1016/j.desal.2021.115196</a>.</p> <p>#CHOI Paula Jungwon, #LAO Jiayong, LAM Kwan Sing Paul, IM Sung-Ju, JANG Am, AN Kyoung Jin Alicia, "Low-pressure volume retarded osmosis for removal of per- and polyfluoroalkyl substances", <i>Water Research</i>, 194, 13 February 2021, doi: <a href="https://doi.org/10.1016/j.watres.2021.116929">https://doi.org/10.1016/j.watres.2021.116929</a>.</p>
<b>DING Zhixiong</b>	<p>#DING Zhixiong, WU Wei, "A hybrid compression-assisted absorption thermal battery with high energy storage density/efficiency and low charging temperature", <i>Applied Energy</i>, 282(Part A), 16 November 2020, doi: <a href="https://doi.org/10.1016/j.apenergy.2020.116068">https://doi.org/10.1016/j.apenergy.2020.116068</a>.</p> <p>#DING Zhixiong, WU Wei, LEUNG Kwok Hi Michael, "Advanced/hybrid thermal energy storage technology: material, cycle, system and perspective", <i>Renewable and Sustainable Energy Reviews</i>, 145, 18 April 2021, doi: <a href="https://doi.org/10.1016/j.rser.2021.111088">https://doi.org/10.1016/j.rser.2021.111088</a>.</p> <p>WU Wei, #DING Zhixiong, #SUI Yunren, LEUNG Kwok Hi Michael, "Comparative dynamic performance of hybrid absorption thermal batteries using H<sub>2</sub>O/1,3-dimethylimidazolium dimethylphosphate", <i>Energy Conversion and Management</i>, 228, 04 December 2020, doi: <a href="https://doi.org/10.1016/j.enconman.2020.113690">https://doi.org/10.1016/j.enconman.2020.113690</a>.</p>

## Section A: Publications of PhD Students

<b>DONG Zhiping</b>	#DONG Zhiping, LIU Chunhua, #SONG Zaixin, #LIU Senyi, "Suppression of Dual Harmonic Components for Five-Phase Series-Winding PMSM", <i>IEEE Transactions on Transportation Electrification</i> , 22 June 2021, doi: <a href="https://doi.org/10.1109/tte.2021.3091594">https://doi.org/10.1109/tte.2021.3091594</a> .
<b>FAHIM Muhammad</b>	#FIRDOUS Irum, #FAHIM Muhammad, DAOUD Walid, "Performance enhancement of triboelectric nanogenerator through hole and electron blocking layers-based interfacial design", <i>Nano Energy</i> , 82, 16 December 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105694">https://doi.org/10.1016/j.nanoen.2020.105694</a> .
	#FAHIM Muhammad, #FIRDOUS Irum, #ZHANG Weihai, DAOUD Walid, "Bifunctional interfacial engineering for piezo-phototronic enhanced photovoltaic performance of wearable perovskite solar cells", <i>Nano Energy</i> , 86, 08 May 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106127">https://doi.org/10.1016/j.nanoen.2021.106127</a> .
<b>FIRDOUS Irum</b>	#FIRDOUS Irum, #FAHIM Muhammad, DAOUD Walid, "Performance enhancement of triboelectric nanogenerator through hole and electron blocking layers-based interfacial design", <i>Nano Energy</i> , 82, 16 December 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105694">https://doi.org/10.1016/j.nanoen.2020.105694</a> .
	#FAHIM Muhammad, #FIRDOUS Irum, #ZHANG Weihai, DAOUD Walid, "Bifunctional interfacial engineering for piezo-phototronic enhanced photovoltaic performance of wearable perovskite solar cells", <i>Nano Energy</i> , 86, 08 May 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106127">https://doi.org/10.1016/j.nanoen.2021.106127</a> .
<b>GONG Bo</b>	#GONG Bo, #CALVIN -, YU Han-Qing, SIT Patrick, "Density Functional Theory Investigation into the Effects of Dissolved Organic Matter on H <sub>2</sub> O <sub>2</sub> Activation over $\alpha$ -Fe <sub>2</sub> O <sub>3</sub> (001) Surfaces", <i>Journal of Physical Chemistry C</i> , 125(16), 18 March 2021, pp 8508–8517, doi: <a href="https://doi.org/10.1021/acs.jpcc.0c09983">https://doi.org/10.1021/acs.jpcc.0c09983</a> .
<b>HAO Song</b>	XIA Lu, ZHANG Xuming, #HAO Song, ZHENG Yang, LI Xingxing, GAO Biao, HUO Kaifu, CHU Paul Kim Ho, "Structural engineering of hierarchically hetestructured Mo <sub>2</sub> C/Co conformally embedded in carbon for efficient water splitting", <i>International Journal of Hydrogen Energy</i> , 45(43), 07 July 2020, pp 22629-22637, doi: <a href="https://doi.org/10.1016/j.ijhydene.2020.06.049">https://doi.org/10.1016/j.ijhydene.2020.06.049</a> .
	CHEN Guoqing, ZHANG Xuming, MA Yuanhang, PI Chaoran, #HAO Song, ZHENG Yang, GAO Biao, FU Jijiang, CHU Paul Kim Ho, "In-Situ Synthesis of Heterostructured Carbon-Coated Co/MnO Nanowire Arrays for High-Performance Anodes in Asymmetric Supercapacitors", <i>Molecules</i> , 25(14), 15 July 2020, doi: <a href="https://doi.org/10.3390/molecules25143218">https://doi.org/10.3390/molecules25143218</a> .
<b>HATHI Zubeen Jyotiwan</b>	#QIN Zihao, #MOU Jinhua, CHAO Christopher Y.H., CHOPRA Shauhrat Singh, DAOUD Walid, LEU Shao-Yuan, NING Zhi, TSO Chi Yan, CHAN Chak Keung, TANG Shixing, #HATHI Zubeen Jyotiwan, HAQUE Md Ariful, WANG Xiang, LIN Sze Ki Carol, "Biotechnology of Plastic Waste Degradation, Recycling, and Valorization: Current Advances and Future Perspectives", <i>ChemSusChem</i> , 16 June 2021, doi: <a href="https://doi.org/10.1002/cssc.202100752">https://doi.org/10.1002/cssc.202100752</a> .
	JHA Varsha, DAFALE Nishant A., #HATHI Zubeen Jyotiwan, PUROHIT Hemant, "Genomic and functional potential of the immobilized microbial consortium MCSt-1 for wastewater treatment", <i>Science of the Total Environment</i> , 777, 01 March 2021, doi: <a href="https://doi.org/10.1016/j.scitotenv.2021.146110">https://doi.org/10.1016/j.scitotenv.2021.146110</a> .
<b>HU Xiaomeng</b>	#HU Xiaomeng, SUBRAMANIAN SENTHILKANNAN Karpagam, WANG Huaimin, ROELANTS Sophie L.K.W., SOETAERT Wim, KAUR Guneet, LIN Sze Ki Carol, CHOPRA Shauhrat Singh, "Bioconversion of Food Waste to produce Industrial-scale Sophorolipid Syrup and Crystals: dynamic Life Cycle Assessment (dLCA) of Emerging Biotechnologies", <i>Bioresource Technology</i> , 337, 27 June 2021, doi: <a href="https://doi.org/10.1016/j.biortech.2021.125474">https://doi.org/10.1016/j.biortech.2021.125474</a> .
	#HU Xiaomeng, SUBRAMANIAN SENTHILKANNAN Karpagam, WANG Huaimin, ROELANTS Sophie L.K.W., #TO Ming Ho, SOETAERT Wim, KAUR Guneet, LIN Sze Ki Carol, CHOPRA Shauhrat Singh, "Guiding environmental sustainability of emerging bioconversion technology for waste-derived sophorolipid production by adopting a dynamic life cycle assessment (dLCA) approach", <i>Environmental Pollution</i> , 269, 23 November 2020, doi: <a href="https://doi.org/10.1016/j.envpol.2020.116101">https://doi.org/10.1016/j.envpol.2020.116101</a> .
<b>HUANG Rundong</b>	#HUANG Rundong, LIU Chunhua, #SONG Zaixin, #ZHAO Hang, "Design and Analysis of a Novel Axial-Radial Flux Permanent Magnet Machine with Halbach-Array Permanent Magnets", <i>Energies</i> , 14(12), 18 June 2021, doi: <a href="https://doi.org/10.3390/en14123639">https://doi.org/10.3390/en14123639</a> .
<b>HUANG Suzhen</b>	WANG Yu, #GAO Congyu, #ZHANG Yizhen, LEUNG Kwok Hi Michael, LIU Jin-Wei, #HUANG Suzhen, LIU Guang-Li, LI Jian-Feng, ZHAO Hua-Zhang, "Bimetal-organic framework derived

## Section A: Publications of PhD Students

	CoFe/NC porous hybrid nanorods as high-performance persulfate activators for bisphenol a degradation", <i>Chemical Engineering Journal</i> , 20 November 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.127800">https://doi.org/10.1016/j.cej.2020.127800</a> .
<b>HUANG Yongcan</b>	#LIU Senyi, LIU Chunhua, #HUANG Yongcan, #XIAO Yang, "Direct Modulation Pattern Control for Dual Three-phase PMSM Drive System", <i>IEEE Transactions on Industrial Electronics</i> , 28 January 2021, doi: <a href="https://doi.org/10.1109/TIE.2021.3053880">https://doi.org/10.1109/TIE.2021.3053880</a> .
	#LIU Senyi, LIU Chunhua, #HUANG Yongcan, #ZHAO Hang, "Model Predictive Two-Target Current Control for OW-PMSM", <i>IEEE Transactions on Power Electronics</i> , 36(3), 14 August 2020, pp 3224-3235, doi: <a href="https://doi.org/10.1109/TPEL.2020.3016714">https://doi.org/10.1109/TPEL.2020.3016714</a> .
	GAO Xingran, LIU Chunhua, ZHOU Hong, HU Wenshan, #HUANG Yongcan, #XIAO Yang, LEI Zhongcheng, CHEN Jing, "Design and Analysis of a New Hybrid Wireless Power Transfer System with a Space-Saving Coupler Structure", <i>IEEE Transactions on Power Electronics</i> , 36(5), 28 September 2020, pp 5069-5081, doi: <a href="https://doi.org/10.1109/TPEL.2020.3027473">https://doi.org/10.1109/TPEL.2020.3027473</a> .
<b>JIAN Yuntao</b>	#JIAN Yuntao, LIN Xiaoxia, ZHOU Wen, JIAN Maoqiu, LEUNG Yu Ting, CHEUNG King Yeung, "Analysis of Record-High Temperature over Southeast Coastal China in Winter 2018/19: The Combined Effect of Mid- to High-Latitude Circulation Systems and SST Forcing over the North Atlantic and Tropical Western Pacific", <i>Journal of Climate</i> , 33(20), 14 September 2020, pp 8813-8831, doi: <a href="https://doi.org/10.1175/jcli-d-19-0732.1">https://doi.org/10.1175/jcli-d-19-0732.1</a> .
	#JIAN Yuntao, LEUNG Yu Ting, ZHOU Wen, JIAN Maoqiu, YANG Song, LIN Xiaoxia, "Interdecadal Shift of the Relationship between ENSO and Winter Synoptic Temperature Variability over the Asian–Pacific–American Region in the 1980s", <i>Journal of Climate</i> , 34(13), 19 May 2021, pp 5321-5335, doi: <a href="https://doi.org/10.1175/JCLI-D-20-0931.1">https://doi.org/10.1175/JCLI-D-20-0931.1</a> .
<b>JIN Mushan</b>	KHALIKOVA Venera R., #JIN Mushan, CHOPRA Shauhrat Singh, "Gender in sustainability research: Inclusion, intersectionality, and patterns of knowledge production", <i>Journal of Industrial Ecology</i> , 04 January 2021, doi: <a href="https://doi.org/10.1111/jiec.13095">https://doi.org/10.1111/jiec.13095</a> .
<b>KHANZADA Noman Khalid</b>	REHMAN Shazia, KHAIRUL ISLAM Md, #KHANZADA Noman Khalid, AN Kyoung Jin Alicia, CHAIPRAPAT Sumate, LEU Shao Yuan, "Whole sugar 2,3-butanediol fermentation for oil palm empty fruit bunches biorefinery by a newly isolated <i>Klebsiella pneumoniae</i> PM2", <i>Bioresource Technology</i> , 333, 21 April 2021, doi: <a href="https://doi.org/10.1016/j.biortech.2021.125206">https://doi.org/10.1016/j.biortech.2021.125206</a> .
	DEKA Bhaskar Jyoti, GUO Jiaxin, #WONG Pak Wai, #KHANZADA Noman Khalid, #KHARRAZ Jehad Abbaas Abed Alhaleem, TSANG Chi-Wing, AN Kyoung Jin Alicia, "A Conductive Hydrophobic Polyaniline Sandwiched Polyvinylidene Fluoride Membrane for Early Detection of Surfactant-Induced Wetting in Membrane Distillation Using Impedance", <i>ACS Applied Polymer Materials</i> , 3(2), 02 February 2021, pp 679–690, doi: <a href="https://doi.org/10.1021/acsapm.0c00991">https://doi.org/10.1021/acsapm.0c00991</a> .
<b>KHARRAZ Jehad Abbaas Alhaleem</b>	FARID Muhammad Usman, #KHARRAZ Jehad Abbaas Abed Alhaleem, WANG Peng, AN Kyoung Jin Alicia, "High-efficiency solar-driven water desalination using a thermally isolated plasmonic membrane", <i>Journal of Cleaner Production</i> , 271, 03 July 2020, doi: <a href="https://doi.org/10.1016/j.jclepro.2020.122684">https://doi.org/10.1016/j.jclepro.2020.122684</a> .
	FARID Muhammad Usman, #KHARRAZ Jehad Abbaas Abed Alhaleem, AN Kyoung Jin Alicia, "Plasmonic Titanium Nitride Nano-enabled Membranes with High Structural Stability for Efficient Photothermal Desalination", <i>ACS Applied Materials and Interfaces</i> , 13(3), 14 January 2021, pp 3805–3815, doi: <a href="https://doi.org/10.1021/acsami.0c17154">https://doi.org/10.1021/acsami.0c17154</a> .
	DEKA Bhaskar Jyoti, GUO Jiaxin, #WONG Pak Wai, #KHANZADA Noman Khalid, #KHARRAZ Jehad Abbaas Abed Alhaleem, TSANG Chi-Wing, AN Kyoung Jin Alicia, "A Conductive Hydrophobic Polyaniline Sandwiched Polyvinylidene Fluoride Membrane for Early Detection of Surfactant-Induced Wetting in Membrane Distillation Using Impedance", <i>ACS Applied Polymer Materials</i> , 3(2), 02 February 2021, pp 679–690, doi: <a href="https://doi.org/10.1021/acsapm.0c00991">https://doi.org/10.1021/acsapm.0c00991</a> .
<b>LIANG Zhancong</b>	#LIANG Zhancong, #ZHANG Ruifeng, GEN Masao, CHU Yangxi, CHAN Chak Keung, "Nitrate Photolysis in Mixed Sucrose-Nitrate-Sulfate Particles at Different Relative Humidities", <i>Journal of Physical Chemistry A</i> , 125(17), 26 April 2021, pp 3739-3747, doi: <a href="https://doi.org/10.1021/acs.jpca.1c00669">https://doi.org/10.1021/acs.jpca.1c00669</a> .
<b>LIU Jin</b>	#PENG Zehua, SONG Jian, GAO Yuan, #LIU Jin, LEE Ching, CHEN Guorui, WANG Zuankai, CHEN Jun, LEUNG Kwok Hi Michael, "A fluorinated polymer sponge with superhydrophobicity for

## Section A: Publications of PhD Students

	high-performance biomechanical energy harvesting", <i>Nano Energy</i> , 85, 26 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106021">https://doi.org/10.1016/j.nanoen.2021.106021</a> .
	<u>SHE Yiyi</u> , WANG An, # <u>LIU Jin</u> , # <u>ZHOU Jinsong</u> , LI Li, WANG Hongkang, <u>LEUNG Kwok Hi Michael</u> , "Hierarchical Carbon Nanocages Embedding High-loading Sulfur for Catalyzing Oxygen Reduction Reactions", <i>ChemCatChem</i> , 13(8), 16 January 2021, pp 2045-2052, doi: <a href="https://doi.org/10.1002/cctc.202001515">https://doi.org/10.1002/cctc.202001515</a> .
<b>LIU Rugeng</b>	# <u>TANG Yunqi</u> , # <u>MAK Chun Hong</u> , # <u>LIU Rugeng</u> , <u>WANG Zuankai</u> , JI Li, SONG Haisheng, TAN Chunyan, BARRIERE Frederic, <u>HSU Sam H Y</u> , "In Situ Formation of Bismuth-Based Perovskite Heterostructures for High-Performance Cocatalyst-Free Photocatalytic Hydrogen Evolution", <i>Advanced Functional Materials</i> , 30(52), 16 September 2020, doi: <a href="https://doi.org/10.1002/adfm.202006919">https://doi.org/10.1002/adfm.202006919</a> .
	<u>WU Hao</u> , TAN Tze Hao, # <u>LIU Rugeng</u> , <u>HSU Sam H Y</u> , <u>NG Yun Hau</u> , "Selective Ethanol Oxidation to Acetaldehyde on Nanostructured Zeolitic Imidazolate Framework-8-Wrapped ZnO Photothermocatalyst Thin Films", <i>Solar RRL</i> , 23 October 2020, doi: <a href="https://doi.org/10.1002/solr.202000423">https://doi.org/10.1002/solr.202000423</a> .
	# <u>LIU Rugeng</u> , # <u>MAK Chun Hong</u> , <u>HAN Xu</u> , # <u>TANG Yunqi</u> , CHENG Kuan-Chen, QI Honglan, ZOU Xingli, ZOU Guizheng, <u>HSU Sam H Y</u> , JIA Guohua, "Efficient electronic coupling and heterogeneous charge transport of zero-dimensional Cs <sub>4</sub> PbBr <sub>6</sub> perovskite emitters", <i>Journal of Materials Chemistry A</i> , 8(45), 24 September 2020, pp 23803-23811, doi: <a href="https://doi.org/10.1039/d0ta06076c">https://doi.org/10.1039/d0ta06076c</a> .
	# <u>SHANG Shanshan</u> , <u>XIONG Wei</u> , YANG Chao, JOHANNESSEN Bernt, # <u>LIU Rugeng</u> , <u>HSU Sam H Y</u> , GU Qinfen, <u>LEUNG Kwok Hi Michael</u> , <u>SHANG Jin</u> , "Atomically Dispersed Iron Metal Site in a Porphyrin-Based Metal–Organic Framework for Photocatalytic Nitrogen Fixation", <i>ACS Nano</i> , 15(6), 24 May 2021, pp 9670–9678, doi: <a href="https://doi.org/10.1021/acsnano.0c10947">https://doi.org/10.1021/acsnano.0c10947</a> .
	# <u>LIU Rugeng</u> , HAN Xu, # <u>MAK Chun Hong</u> , CHENG Kuan-Chen, PERMATASARI SANTOSO Shella, SHEN Hsin-Hui, # <u>RUAN Qingdong</u> , CAO Fahe, YU Edward T., <u>CHU Paul Kim Ho</u> , <u>HSU Sam H Y</u> , <u>PENG Xiang</u> , "Cost-effective liquid-junction solar devices with plasma-implanted Ni/TiN/CNF hierarchically structured nanofibers", <i>Journal of Electroanalytical Chemistry</i> , 887, 26 March 2021, doi: <a href="https://doi.org/10.1016/j.jelechem.2021.115167">https://doi.org/10.1016/j.jelechem.2021.115167</a> .
	# <u>MAK Chun Hong</u> , # <u>LIU Rugeng</u> , HAN Xu, # <u>TANG Yunqi</u> , ZOU Xingli, SHEN Hsin-Hui, MENG Yao, ZOU Guizheng, <u>HSU Sam H Y</u> , "Thermally Activated Delayed Phosphorescence and Interchromophore Exciton Coupling in a Platinum-Based Organometallic Emitter", <i>Advanced Optical Materials</i> , 8(20), 26 July 2020, doi: <a href="https://doi.org/10.1002/adom.202001023">https://doi.org/10.1002/adom.202001023</a> .
<b>LIU Sai</b>	# <u>LIU Sai</u> , <u>DU Yuwei</u> , <u>TSO Chi Yan</u> , <u>LEE Hau Him</u> , CHENG Rui, FENG Shien Ping, <u>YU Kin Man</u> , "Organic Hybrid Perovskite (MAPbI <sub>3-x</sub> Cl <sub>x</sub> ) for Thermochromic Smart Window with Strong Optical Regulation Ability, Low Transition Temperature, and Narrow Hysteresis Width", <i>Advanced Functional Materials</i> , 31(26), 26 March 2021, doi: <a href="https://doi.org/10.1002/adfm.202010426">https://doi.org/10.1002/adfm.202010426</a> .
	# <u>LIU Sai</u> , <u>TSO Chi Yan</u> , <u>DU Yuwei</u> , <u>CHAO Luke Christopher</u> , <u>LEE Hau Him</u> , <u>HO Tsz Chung</u> , <u>LEUNG Kwok Hi Michael</u> , "Bioinspired thermochromic transparent hydrogel wood with advanced optical regulation abilities and mechanical properties for windows", <i>Applied Energy</i> , 297, 31 May 2021, doi: <a href="https://doi.org/10.1016/j.apenergy.2021.117207">https://doi.org/10.1016/j.apenergy.2021.117207</a> .
	# <u>LIU Sai</u> , <u>TSO Chi Yan</u> , <u>LEE Hau Him</u> , ZHANG Yi, <u>YU Kin Man</u> , <u>CHAO Christopher</u> , "Bio-inspired TiO <sub>2</sub> nano-cone antireflection layer for the optical performance improvement of VO <sub>2</sub> thermochromic smart windows", <i>Scientific Reports</i> , 10, 09 July 2020, doi: <a href="https://doi.org/10.1038/s41598-020-68411-6">https://doi.org/10.1038/s41598-020-68411-6</a> .
	# <u>LIU Sai</u> , <u>TSO Chi Yan</u> , <u>LEE Hau Him</u> , <u>DU Yuwei</u> , <u>YU Kin Man</u> , FENG Shien Ping, HUANG Baoling, "Self-Densified Optically Transparent VO <sub>2</sub> Thermochromic Wood Film for Smart Windows", <i>ACS Applied Materials &amp; Interfaces</i> , 13(19), 10 May 2021, pp 22495–22504, doi: <a href="https://doi.org/10.1021/acsmi.1c03803">https://doi.org/10.1021/acsmi.1c03803</a> .
<b>LIU Senyi</b>	# <u>YU Jincheng</u> , <u>LIU Chunhua</u> , # <u>LIU Senyi</u> , # <u>ZHAO Hang</u> , "Comparative Study of Double-Stator Interior-PM Vernier Machines based on Electromagnetic-Structural Coupling Analysis", <i>IEEE Transactions on Industrial Electronics</i> , 01 December 2020, doi: <a href="https://doi.org/10.1109/TIE.2020.3034848">https://doi.org/10.1109/TIE.2020.3034848</a> .



## Section A: Publications of PhD Students

	<p>#LIU Senyi, LIU Chunhua, "Direct Harmonic Current Control Scheme for Dual Three-Phase PMSM Drive System", <i>IEEE Transactions on Power Electronics</i>, 31 March 2021, doi: <a href="https://doi.org/10.1109/TPEL.2021.3069862">https://doi.org/10.1109/TPEL.2021.3069862</a>.</p> <p>#DONG Zhiping, LIU Chunhua, #SONG Zaixin, #LIU Senyi, "Suppression of Dual Harmonic Components for Five-Phase Series-Winding PMSM", <i>IEEE Transactions on Transportation Electrification</i>, 22 June 2021, doi: <a href="https://doi.org/10.1109/tte.2021.3091594">https://doi.org/10.1109/tte.2021.3091594</a>.</p> <p>#WANG Wusen, LIU Chunhua, #LIU Senyi, #SONG Zaixin, #ZHAO Hang, DAI Bin, "Current Harmonic Suppression for Permanent-Magnet Synchronous Motor Based on Chebyshev Filter and PI Controller", <i>IEEE Transactions on Magnetics</i>, 57(2), 18 August 2020, doi: <a href="https://doi.org/10.1109/TMAG.2020.3017671">https://doi.org/10.1109/TMAG.2020.3017671</a>.</p> <p>#WANG Wusen, LIU Chunhua, #LIU Senyi, #ZHAO Hang, "Model Predictive Torque Control for Dual Three-Phase PMSMs with Simplified Deadbeat Solution and Discrete Space-Vector Modulation", <i>IEEE Transactions on Energy Conversion</i>, 36(2), 15 January 2021, pp 1491-1499, doi: <a href="https://doi.org/10.1109/TEC.2021.3052132">https://doi.org/10.1109/TEC.2021.3052132</a>.</p> <p>#LIU Senyi, LIU Chunhua, #HUANG Yongcan, #XIAO Yang, "Direct Modulation Pattern Control for Dual Three-phase PMSM Drive System", <i>IEEE Transactions on Industrial Electronics</i>, 28 January 2021, doi: <a href="https://doi.org/10.1109/TIE.2021.3053880">https://doi.org/10.1109/TIE.2021.3053880</a>.</p> <p>#SONG Zaixin, LIU Chunhua, #LIU Senyi, #WANG Wusen, "Active Harmonic Suppression of Low-Reactance Multi-phase Slotless Permanent Magnet Synchronous Machines", <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i>, 08 January 2021, doi: <a href="https://doi.org/10.1109/JESTPE.2021.3050353">https://doi.org/10.1109/JESTPE.2021.3050353</a>.</p> <p>#LIU Senyi, LIU Chunhua, #HUANG Yongcan, #ZHAO Hang, "Model Predictive Two-Target Current Control for OW-PMSM", <i>IEEE Transactions on Power Electronics</i>, 36(3), 14 August 2020, pp 3224-3235, doi: <a href="https://doi.org/10.1109/TPEL.2020.3016714">https://doi.org/10.1109/TPEL.2020.3016714</a>.</p>
LIU Yuxin	<p>#LIU Yuxin, LIU Chunhua, GAO Xingran, #XIAO Yang, "Novel Output Regulation Method for Three-phase Three-level Wireless EV Charging System", <i>IEEE Transactions on Magnetics</i>, 17 May 2021, doi: <a href="https://doi.org/10.1109/TMAG.2021.3080706">https://doi.org/10.1109/TMAG.2021.3080706</a>.</p>
LU Yichun	<p>#LU Yichun, LUCAS Cathy H., LOVERIDGE Alexandra, "Transgenerational acclimation influences asexual reproduction in <i>Aurelia aurita</i> jellyfish polyps in response to temperature", <i>Marine Ecology Progress Series</i>, 656, 10 December 2020, pp 35-50, doi: <a href="https://doi.org/10.3354/meps13517">https://doi.org/10.3354/meps13517</a>.</p> <p>#LU Yichun, ZHANG Yifeng, ZHONG Cheng, MARTIN Jonathan W., ALESSI Daniel S., GOSS Greg G., REN Yuan, HE Yuhe, "Suspended solids-associated toxicity of hydraulic fracturing flowback and produced water on early life stages of zebrafish (<i>Danio rerio</i>)", <i>Environmental Pollution</i>, 287, 18 June 2021, doi: <a href="https://doi.org/10.1016/j.envpol.2021.117614">https://doi.org/10.1016/j.envpol.2021.117614</a>.</p>
LU Yuhao	<p>#LU Yuhao, YANG Bin, #ZHANG Huihui, LAI Chi Keung Alvin, "Inactivation of foodborne pathogenic and spoilage bacteria by single and dual wavelength UV-LEDs: Synergistic effect and pulsed operation", <i>Food Control</i>, 125, 22 February 2021, doi: <a href="https://doi.org/10.1016/j.foodcont.2021.107999">https://doi.org/10.1016/j.foodcont.2021.107999</a>.</p>
MAK Chun Hong	<p>#TANG Yunqi, #MAK Chun Hong, #LIU Rugeng, WANG Zuankai, JI Li, SONG Haisheng, TAN Chunyan, BARRIERE Frederic, HSU Sam H Y, "In Situ Formation of Bismuth-Based Perovskite Heterostructures for High-Performance Cocatalyst-Free Photocatalytic Hydrogen Evolution", <i>Advanced Functional Materials</i>, 30(52), 16 September 2020, doi: <a href="https://doi.org/10.1002/adfm.202006919">https://doi.org/10.1002/adfm.202006919</a>.</p> <p>#LIU Rugeng, #MAK Chun Hong, HAN Xu, #TANG Yunqi, CHENG Kuan-Chen, QI Honglan, ZOU Xingli, ZOU Guizheng, HSU Sam H Y, JIA Guohua, "Efficient electronic coupling and heterogeneous charge transport of zero-dimensional Cs<sub>4</sub>PbBr<sub>6</sub>perovskite emitters", <i>Journal of Materials Chemistry A</i>, 8(45), 24 September 2020, pp 23803-23811, doi: <a href="https://doi.org/10.1039/d0ta06076c">https://doi.org/10.1039/d0ta06076c</a>.</p> <p>#LIU Rugeng, HAN Xu, #MAK Chun Hong, CHENG Kuan-Chen, PERMATASARI SANTOSO Shella, SHEN Hsin-Hui, #RUAN Qingdong, CAO Fahe, YU Edward T., CHU Paul Kim Ho, HSU Sam H Y, PENG Xiang, "Cost-effective liquid-junction solar devices with plasma-implanted Ni/TiN/CNF hierarchically structured nanofibers", <i>Journal of Electroanalytical Chemistry</i>, 887, 26 March 2021, doi: <a href="https://doi.org/10.1016/j.jelechem.2021.115167">https://doi.org/10.1016/j.jelechem.2021.115167</a>.</p> <p>#MAK Chun Hong, #LIU Rugeng, HAN Xu, #TANG Yunqi, ZOU Xingli, SHEN Hsin-Hui, MENG Yao, ZOU Guizheng, HSU Sam H Y, "Thermally Activated Delayed Phosphorescence and</p>

Section A: Publications of PhD Students

	<p>Interchromophore Exciton Coupling in a Platinum-Based Organometallic Emitter", <i>Advanced Optical Materials</i>, 8(20), 26 July 2020, doi: <a href="https://doi.org/10.1002/adom.202001023">https://doi.org/10.1002/adom.202001023</a>.</p> <p>#MAK Chun Hong, HAN Xu, DU Minshu, <u>KAI Ji-jung</u>, <u>TSANG Kim Fung</u>, CHENG Kuan-Chen, SHEN Hsin-Hui, <u>HSU Sam H Y</u>, JIA Guohua, "Heterogenization of homogeneous photocatalysts utilizing synthetic and natural support materials", <i>Journal of Materials Chemistry A</i>, 9(8), 06 January 2021, pp 4454-4504, doi: <a href="https://doi.org/10.1039/d0ta08334h">https://doi.org/10.1039/d0ta08334h</a>.</p>
<b>MILINDI Paschal Simon</b>	<p><u>SUBRAMANIAN SENTHILKANNAN Karpagam</u>, <u>CHOPRA Shauhrat Singh</u>, WHARTON Christopher M., YONGE William, ALLEN Julie, STEVENS Rozanne, FAHY Sam, #MILINDI Paschal Simon, "Mapping the food waste-energy-water-emissions nexus at commercial kitchens: A systems approach for a more sustainable food service sector", <i>Journal of Cleaner Production</i>, 301, 03 April 2021, doi: <a href="https://doi.org/10.1016/j.jclepro.2021.126856">https://doi.org/10.1016/j.jclepro.2021.126856</a>.</p>
<b>MOU Jinhua</b>	<p>#QIN Zihao, #MOU Jinhua, CHAO Christopher Y.H., <u>CHOPRA Shauhrat Singh</u>, <u>DAOUD Walid</u>, LEU Shao-Yuan, NING Zhi, TSO Chi Yan, <u>CHAN Chak Keung</u>, TANG Shixing, #HATHI Zubeen <u>Jyotiwanan</u>, <u>HAQUE Md Ariful</u>, WANG Xiang, <u>LIN Sze Ki Carol</u>, "Biotechnology of Plastic Waste Degradation, Recycling, and Valorization: Current Advances and Future Perspectives", <i>ChemSusChem</i>, 16 June 2021, doi: <a href="https://doi.org/10.1002/cssc.202100752">https://doi.org/10.1002/cssc.202100752</a>.</p> <p><u>WANG Xiang</u>, <u>ZHANG Manman</u>, LIU Si-Fen, XU Rui-Lan, #MOU Jinhua, #QIN Zihao, ZHOU Zhigang, LI Hong-Ye, <u>LIN Sze Ki Carol</u>, SUN Zheng, "Synergistic bioconversion of lipids and carotenoids from food waste by <i>Dunaliella salina</i> with fulvic acid via a two-stage cultivation strategy", <i>Energy Conversion and Management</i>, 234, 27 February 2021, doi: <a href="https://doi.org/10.1016/j.enconman.2021.113908">https://doi.org/10.1016/j.enconman.2021.113908</a>.</p>
<b>NALLAPANENI Manoj Kumar</b>	<p>AGYEKUM Ephraim Bonah, ADEBAYO Tomiwa Sunday, BEKUN Festus Victor, #NALLAPANENI Manoj Kumar, PANJWANI Manoj Kumar, "Effect of Two Different Heat Transfer Fluids on the Performance of Solar Tower CSP by Comparing Recompression Supercritical CO<sub>2</sub> and Rankine Power Cycles, China", <i>Energies</i>, 14(12), 10 June 2021, doi: <a href="https://doi.org/10.3390/en14123426">https://doi.org/10.3390/en14123426</a>.</p> <p>CHANDRIKA V. S., KARTHICK Alagar, #NALLAPANENI Manoj Kumar, KUMAR P. Manoj, STALIN B., RAVICHANDRAN M., "Experimental analysis of solar concrete collector for residential buildings", <i>International Journal of Green Energy</i>, 18(6), 23 February 2021, pp 615–623, doi: <a href="https://doi.org/10.1080/15435075.2021.1875468">https://doi.org/10.1080/15435075.2021.1875468</a>.</p> <p>GHOLAMI Hassan, NILS RØSTVIK Harald, #NALLAPANENI Manoj Kumar, <u>CHOPRA Shauhrat Singh</u>, "Lifecycle cost analysis (LCCA) of tailor-made building integrated photovoltaics (BIPV) façade: Solsmaragden case study in Norway", <i>Solar Energy</i>, 211, 08 October 2020, pp 488-502, doi: <a href="https://doi.org/10.1016/j.solener.2020.09.087">https://doi.org/10.1016/j.solener.2020.09.087</a>.</p> <p>KARTHICK Alagar, MANOKAR ATHIKESAVAN Muthu, PASUPATHI Manoj Kumar, #NALLAPANENI Manoj Kumar, <u>CHOPRA Shauhrat Singh</u>, GHOSH Aritra, "Investigation of Inorganic Phase Change Material for a Semi-Transparent Photovoltaic (STPV) Module", <i>Energies</i>, 13(14), 11 July 2020, doi: <a href="https://doi.org/10.3390/en13143582">https://doi.org/10.3390/en13143582</a>.</p> <p>#NALLAPANENI Manoj Kumar, MOHAMMED Mazin Abed, ABDULKAREEM Karrar Hameed, DAMASEVICIUS Robertas, MOSTAFA Salama A., MAASHI Mashael S., <u>CHOPRA Shauhrat Singh</u>, "Artificial intelligence-based solution for sorting COVID related medical waste streams and supporting data-driven decisions for smart circular economy practice", <i>Process Safety and Environmental Protection</i>, 152, 19 June 2021, pp 482-494, doi: <a href="https://doi.org/10.1016/j.psep.2021.06.026">https://doi.org/10.1016/j.psep.2021.06.026</a>.</p> <p>AGYEKUM Ephraim Bonah, ALI Ernest Baba, #NALLAPANENI Manoj Kumar, "Clean Energies for Ghana—An Empirical Study on the Level of Social Acceptance of Renewable Energy Development and Utilization", <i>Sustainability</i>, 13(6), 12 March 2021, doi: <a href="https://doi.org/10.3390/su13063114">https://doi.org/10.3390/su13063114</a>.</p> <p>ADEBAYO Tomiwa Sunday, AGBOOLA Mary Oluwatoyin, RJOUB Husam, ADESHOLA Ibrahim, AGYEKUM Ephraim Bonah, #NALLAPANENI Manoj Kumar, "Linking Economic Growth, Urbanization, and Environmental Degradation in China: What Is the Role of Hydroelectricity Consumption?", <i>International Journal of Environmental Research and Public Health</i>, 18(13), 29 June 2021, doi: <a href="https://doi.org/10.3390/ijerph18136975">https://doi.org/10.3390/ijerph18136975</a>.</p> <p>MADURAI ELAVARASAN Rajvikram, PUGAZHENDHI Rishi, JAMAL Taskin, DYDUCH Joanna, ARIF M. T., #NALLAPANENI Manoj Kumar, SHAFIULLAH G. M., <u>CHOPRA Shauhrat Singh</u>, NADARAJAH Mithulanathan, "Envisioning the UN Sustainable Development Goals (SDGs)</p>

Section A: Publications of PhD Students

through the lens of energy sustainability (SDG 7) in the post-COVID-19 world", <i>Applied Energy</i> , 292, 11 April 2021, doi: <a href="https://doi.org/10.1016/j.apenergy.2021.116665">https://doi.org/10.1016/j.apenergy.2021.116665</a> .
#NALLAPANENI Manoj Kumar, CHAND Aneesh A., MALVONI Maria, PRASAD Kushal A., MAMUN Kabir A., ISLAM F.r., CHOPRA Shauhrat Singh, "Distributed Energy Resources and the Application of AI, IoT, and Blockchain in Smart Grids", <i>Energies</i> , 13(21), 02 November 2020, doi: <a href="https://doi.org/10.3390/en13215739">https://doi.org/10.3390/en13215739</a> .
PODDER Amit Kumer, BUKHARI Abdullah Al, ISLAM Sayemul, MIA Sujon, MOHAMMED Mazin Abed, #NALLAPANENI Manoj Kumar, CENGIZ Korhan, ABDULKAREEM Karrar Hameed, "IoT based smart agrotech system for verification of Urban farming parameters", <i>Microprocessors and Microsystems</i> , 82, 14 January 2021, doi: <a href="https://doi.org/10.1016/j.micpro.2021.104025">https://doi.org/10.1016/j.micpro.2021.104025</a> .
CHAND Aneesh A., PRASAD Kushal A., MAR Ellen, DAKAI Sanaila, MAMUN Kabir A., ISLAM F.r., MEHTA Utkal, #NALLAPANENI Manoj Kumar, "Design and Analysis of Photovoltaic Powered Battery-Operated Computer Vision-Based Multi-Purpose Smart Farming Robot", <i>Agronomy</i> , 11(3), 11 March 2021, doi: <a href="https://doi.org/10.3390/agronomy11030530">https://doi.org/10.3390/agronomy11030530</a> .
MA Quanjin, REJAB M. R. M., KUMAR A Praveen, FU Hao, #NALLAPANENI Manoj Kumar, TANG Jianbo, "Effect of infill pattern, density and material type of 3D printed cubic structure under quasi-static loading", <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 04 November 2020, doi: <a href="https://doi.org/10.1177/0954406220971667">https://doi.org/10.1177/0954406220971667</a> .
MOHD Nur Adilah, MOSTAFA Salama A., MUSTAPHA Aida, RAMLI Azizul Azhar, MOHAMMED Mazin Abed, #NALLAPANENI Manoj Kumar, "Vehicles Counting from Video Stream for Automatic Traffic flow Analysis Systems", <i>International Journal of Emerging Trends in Engineering Research</i> , 8(1.1), 2020, pp 142-146, doi: <a href="https://doi.org/10.30534/ijeter/2020/2281.12020">https://doi.org/10.30534/ijeter/2020/2281.12020</a> .
ZHEYUAN Cui, HAMMID Ali Thaeer, KAREEM Ali Noori, JIANG Mingxin, MOHAMMED Muamer N., #NALLAPANENI Manoj Kumar, "A Rigid Cuckoo Search Algorithm for Solving Short-Term Hydrothermal Scheduling Problem", <i>Sustainability</i> , 13(8), 12 April 2021, doi: <a href="https://doi.org/10.3390/su13084277">https://doi.org/10.3390/su13084277</a> .
#NALLAPANENI Manoj Kumar, SAMYKANO M., KARTHICK Alagar, "Energy loss analysis of a large scale BIPV system for university buildings in tropical weather conditions: A partial and cumulative performance ratio approach", <i>Case Studies in Thermal Engineering</i> , 25, 06 March 2021, doi: <a href="https://doi.org/10.1016/j.csite.2021.100916">https://doi.org/10.1016/j.csite.2021.100916</a> .
MA Quanjin, KUAI Tengfei, REJAB M. R. M., #NALLAPANENI Manoj Kumar, IDRIS M. S., ABDULLAH M.h., "Effect of boundary factor and material property on single square honeycomb sandwich panel subjected to quasi-static compression loading", <i>Journal of Mechanical Engineering and Sciences</i> , 14(4), 17 December 2020, pp 7348-7360, doi: <a href="https://doi.org/10.15282/jmes.14.4.2020.03.0577">https://doi.org/10.15282/jmes.14.4.2020.03.0577</a> .
PODDER Amit Kumer, ISLAM Sayemul, #NALLAPANENI Manoj Kumar, CHAND Aneesh A., RAO Pulivarthi Nageswara, PRASAD Kushal A., LOGESWARAN T., MAMUN Kabir A., "Systematic Categorization of Optimization Strategies for Virtual Power Plants", <i>Energies</i> , 13(23), 27 November 2020, doi: <a href="https://doi.org/10.3390/en13236251">https://doi.org/10.3390/en13236251</a> .
VISHNUPRIYAN J., ARUMUGAM Dhanasekaran, #NALLAPANENI Manoj Kumar, CHOPRA Shauhrat Singh, PARTHEEBAN Pachaivannan, "Multi-criteria decision analysis for optimal planning of desalination plant feasibility in different urban cities in India", <i>Journal of Cleaner Production</i> , 315, 29 June 2021, doi: <a href="https://doi.org/10.1016/j.jclepro.2021.128146">https://doi.org/10.1016/j.jclepro.2021.128146</a> .
NAZERI Mohammad Nor Rafiq, TAJUDDIN Mohammad Faridun Naim, BABU Thanikanti Sudhakar, AZMI Azralmukmin, MALVONI Maria, #NALLAPANENI Manoj Kumar, "Firefly Algorithm-Based Photovoltaic Array Reconfiguration for Maximum Power Extraction during Mismatch Conditions", <i>Sustainability</i> , 13(6), 15 March 2021, doi: <a href="https://doi.org/10.3390/su13063206">https://doi.org/10.3390/su13063206</a> .
AL-WAISY A. S., MOHAMMED Mazin Abed, AL-FAHDAWI Shumoos, MAASHI M. S., GARCIA-ZAPIRAIN Begonya, ABDULKAREEM Karrar Hameed, MOSTAFA Salama A., #NALLAPANENI Manoj Kumar, LE Dac Nhung, "COVID-DeepNet: Hybrid Multimodal Deep Learning System for Improving COVID-19 Pneumonia Detection in Chest X-ray Images", <i>Computers, Materials and Continua</i> , 67(2), 05 February 2021, pp 2409-2429, doi: <a href="https://doi.org/10.32604/cmc.2021.012955">https://doi.org/10.32604/cmc.2021.012955</a> .

Section A: Publications of PhD Students

	<p>PODDER Amit Kumer, CHAKRABORTY Oishikha, ISLAM Sayemul, #NALLAPANENI Manoj Kumar, ALHELOU Hassan Haes, "Control Strategies of Different Hybrid Energy Storage Systems for Electric Vehicles Applications", <i>IEEE Access</i>, 9, 29 March 2021, pp 51865-51895, doi: <a href="https://doi.org/10.1109/ACCESS.2021.3069593">https://doi.org/10.1109/ACCESS.2021.3069593</a>.</p> <p>KUMAR S. Ananda, SUBATHRA M. S. P., #NALLAPANENI Manoj Kumar, MALVONI Maria, SAIRAMYA N. J., GEORGE S. Thomas, SUVISESHAMUTHU Easter S., CHOPRA Shauhrat Singh, "A Novel Islanding Detection Technique for a Resilient Photovoltaic-Based Distributed Power Generation System Using a Tunable-Q Wavelet Transform and an Artificial Neural Network", <i>Energies</i>, 13(16), 16 August 2020, doi: <a href="https://doi.org/10.3390/en13164238">https://doi.org/10.3390/en13164238</a>.</p> <p>KIM-SOON Ng, MOSTAFA Salama A., NURUNNABI Mohammad, CHIN Lim Hui, #NALLAPANENI Manoj Kumar, ALI Rabei Raad, SUBRAMANIAM Umashankar, "Quality Management Practices of Food Manufacturers: A Comparative Study between Small, Medium and Large Companies in Malaysia", <i>Sustainability</i>, 12(18), 18 September 2020, doi: <a href="https://doi.org/10.3390/su12187725">https://doi.org/10.3390/su12187725</a>.</p> <p>DAS Soumya Ranjan, RAY Prakash K., SAHOO Arun Kumar, RAMASUBBAREDDY Somula, BABU Thanikanti Sudhakar, #NALLAPANENI Manoj Kumar, HAES ALHELOU Hassan, SIANO Pierluigi, "Performance of Hybrid Filter in a Microgrid Integrated Power System Network Using Wavelet Techniques", <i>Applied Sciences (Switzerland)</i>, 10(19), 28 September 2020, doi: <a href="https://doi.org/10.3390/app10196792">https://doi.org/10.3390/app10196792</a>.</p> <p>#NALLAPANENI Manoj Kumar, GHOSH Aritra, CHOPRA Shauhrat Singh, "Power Resilience Enhancement of a Residential Electricity User Using Photovoltaics and a Battery Energy Storage System under Uncertainty Conditions", <i>Energies</i>, 13(16), 13 August 2020, doi: <a href="https://doi.org/10.3390/en13164193">https://doi.org/10.3390/en13164193</a>.</p> <p>#NALLAPANENI Manoj Kumar, CHOPRA Shauhrat Singh, MALVONI Maria, ELAVARASAN Rajvikram Madurai, DAS Narottam, "Solar Cell Technology Selection for a PV Leaf Based on Energy and Sustainability Indicators—A Case of a Multilayered Solar Photovoltaic Tree", <i>Energies</i>, 13(23), 05 December 2020, doi: <a href="https://doi.org/10.3390/en13236439">https://doi.org/10.3390/en13236439</a>.</p> <p>ZENG Xie, HAMMID Ali Thaeer, #NALLAPANENI Manoj Kumar, SUBRAMANIAM Umashankar, ALMAKHLES Dhafer J., "A grasshopper optimization algorithm for optimal short-term hydrothermal scheduling", <i>Energy Reports</i>, 7, 04 January 2021, pp 314-323, doi: <a href="https://doi.org/10.1016/j.egyr.2020.12.038">https://doi.org/10.1016/j.egyr.2020.12.038</a>.</p> <p>DARCY GNANA JEGHA A., SUBATHRA M. S. P., #NALLAPANENI Manoj Kumar, GHOSH Aritra, "Optimally Tuned Interleaved Luo Converter for PV Array fed BLDC Motor Driven Centrifugal Pumps Using Whale Optimization Algorithm—A Resilient Solution for Powering Agricultural Loads", <i>Electronics (Switzerland)</i>, 9(9), 04 September 2020, doi: <a href="https://doi.org/10.3390/electronics9091445">https://doi.org/10.3390/electronics9091445</a>.</p>
<b>PENG Yong</b>	<p>#PENG Yong, #RUAN Qingdong, LAM Jason, MENG Fanxu, GUAN Chung-Yu, SANTOSO Shella Permatasari, ZOU Xingli, YU Edward T., CHU Paul Kim Ho, HSU Sam H Y, "Plasma-implanted Ti-doped hematite photoanodes with enhanced photoelectrochemical water oxidation performance", <i>Journal of Alloys and Compounds</i>, 870, 06 March 2021, doi: <a href="https://doi.org/10.1016/j.jallcom.2021.159376">https://doi.org/10.1016/j.jallcom.2021.159376</a>.</p> <p>#PENG Yong, WU Hao, YUAN Mingjian, LI Fang-Fang, ZOU Xingli, NG Yun Hau, HSU Sam H Y, "Chemical reduction-induced surface oxygen vacancies of BiVO<sub>4</sub> photoanodes with enhanced photoelectrochemical performance", <i>Sustainable Energy &amp; Fuels</i>, 5(8), 11 March 2021, pp 2284-2293, doi: <a href="https://doi.org/10.1039/d0se01901a">https://doi.org/10.1039/d0se01901a</a>.</p>
<b>PENG Zehua</b>	<p>#PENG Zehua, SONG Jian, GAO Yuan, #LIU Jin, LEE Ching, CHEN Guorui, WANG Zuankai, CHEN Jun, LEUNG Kwok Hi Michael, "A fluorinated polymer sponge with superhydrophobicity for high-performance biomechanical energy harvesting", <i>Nano Energy</i>, 85, 26 March 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106021">https://doi.org/10.1016/j.nanoen.2021.106021</a>.</p>
<b>QIN Zihao</b>	<p>#QIN Zihao, #MOU Jinhua, CHAO Christopher Y.H., CHOPRA Shauhrat Singh, DAOUD Walid, LEU Shao-Yuan, NING Zhi, TSO Chi Yan, CHAN Chak Keung, TANG Shixing, #HATHI Zubeen Jyotiwanan, HAQUE Md Ariful, WANG Xiang, LIN Sze Ki Carol, "Biotechnology of Plastic Waste Degradation, Recycling, and Valorization: Current Advances and Future Perspectives", <i>ChemSusChem</i>, 16 June 2021, doi: <a href="https://doi.org/10.1002/cssc.202100752">https://doi.org/10.1002/cssc.202100752</a>.</p> <p>WANG Xiang, ZHANG Manman, LIU Si-Fen, XU Rui-Lan, #MOU Jinhua, #QIN Zihao, ZHOU Zhigang, LI Hong-Ye, LIN Sze Ki Carol, SUN Zheng, "Synergistic bioconversion of lipids and</p>

Section A: Publications of PhD Students

	<p>carotenoids from food waste by <i>Dunaliella salina</i> with fulvic acid via a two-stage cultivation strategy", <i>Energy Conversion and Management</i>, 234, 27 February 2021, doi: <a href="https://doi.org/10.1016/j.enconman.2021.113908">https://doi.org/10.1016/j.enconman.2021.113908</a>.</p> <p>GADKARI Siddharth, KUMAR Deepak, #QIN Zihao, LIN Sze Ki Carol, KUMAR Vinod, "Life cycle analysis of fermentative production of succinic acid from bread waste", <i>Waste Management</i>, 126, 23 April 2021, pp 861-871, doi: <a href="https://doi.org/10.1016/j.wasman.2021.04.013">https://doi.org/10.1016/j.wasman.2021.04.013</a>.</p> <p>SONG Yao, QIN Zhenzhen, #QIN Zihao, "Green Marketing to Gen Z Consumers in China: Examining the Mediating Factors of an Eco-Label-Informed Purchase", <i>SAGE Open</i>, 10(4), 09 October 2020, doi: <a href="https://doi.org/10.1177/2158244020963573">https://doi.org/10.1177/2158244020963573</a>.</p>
<b>RAZA Subhan</b>	<p>#RAZA Subhan, ZHANG R., ZHANG N., LI Z., LIU L., ZHANG F., WANG D., JIA C. L., "ATiO<sub>3</sub>/TiO (A=Pb, Sn) superlattice: Bridging ferroelectricity and conductivity", <i>Computational Condensed Matter</i>, 25, 13 August 2020, doi: <a href="https://doi.org/10.1016/j.cocom.2020.e00491">https://doi.org/10.1016/j.cocom.2020.e00491</a>.</p>
<b>ROY Shimul</b>	<p>#ROY Shimul, LAM Yun Fat, HUNG Ngo Tho, CHAN Chung Leung Johnny, "Development of on-road emission inventory and evaluation of policy intervention on future emission reduction toward sustainability in Vietnam", <i>Sustainable Development</i>, 06 May 2021, doi: <a href="https://doi.org/10.1002/sd.2203">https://doi.org/10.1002/sd.2203</a>.</p> <p>ISLAM Md Sariful, RAHMAN Mizanur, TUSHER Tanmoy Roy, #ROY Shimul, RAZI Mohammad Arfar, "Assessing the relationship between COVID-19, air quality, and meteorological variables: A case study of Dhaka city in Bangladesh", <i>Aerosol and Air Quality Research</i>, 21(6), 18 January 2021, doi: <a href="https://doi.org/10.4209/aaqr.200609">https://doi.org/10.4209/aaqr.200609</a>.</p> <p>ISLAM Md Sariful, TUSHER Tanmoy Roy, #ROY Shimul, RAHMAN Mizanur, "Impacts of nationwide lockdown due to COVID-19 outbreak on air quality in Bangladesh: a spatiotemporal analysis", <i>Air Quality, Atmosphere and Health</i>, 14(3), 05 September 2020, pp 351–363, doi: <a href="https://doi.org/10.1007/s11869-020-00940-5">https://doi.org/10.1007/s11869-020-00940-5</a>.</p> <p>#ROY Shimul, LAM Yun Fat, HUNG Ngo Tho, CHAN Chung Leung Johnny, FU Joshua S., "Development of 2015 Vietnam emission inventory for power generation units", <i>Atmospheric Environment</i>, 247, 28 October 2020, doi: <a href="https://doi.org/10.1016/j.atmosenv.2020.118042">https://doi.org/10.1016/j.atmosenv.2020.118042</a>.</p>
<b>SAJJAD Muhammad</b>	<p>#SAJJAD Muhammad, CHAN Chung Leung Johnny, CHOPRA Shauhrat Singh, "Rethinking disaster resilience in high-density cities: Towards an urban resilience knowledge system", <i>Sustainable Cities and Society</i>, 69, 13 March 2021, doi: <a href="https://doi.org/10.1016/j.scs.2021.102850">https://doi.org/10.1016/j.scs.2021.102850</a>.</p> <p>ALI Ghaffar, #SAJJAD Muhammad, KANWAL Shamsa, XIAO Tingyin, KHALID Shoaib, SHOAB Fariha, GUL Hafiza Nayab, "Spatial-temporal characterization of rainfall in Pakistan during the past half-century (1961–2020)", <i>Scientific Reports</i>, 11, 25 March 2021, doi: <a href="https://doi.org/10.1038/s41598-021-86412-x">https://doi.org/10.1038/s41598-021-86412-x</a>.</p> <p>#SAJJAD Muhammad, CHAN Chung Leung Johnny, "Tropical Cyclone Impacts on Cities: A Case of Hong Kong", <i>Frontiers in Built Environment</i>, 6, 25 September 2020, doi: <a href="https://doi.org/10.3389/fbuil.2020.575534">https://doi.org/10.3389/fbuil.2020.575534</a>.</p> <p>RAZA Syed Hassan, HAQ Wajiha, #SAJJAD Muhammad, "COVID-19: A Psychosocial Perspective", <i>Frontiers in Psychology</i>, 11, 01 December 2020, doi: <a href="https://doi.org/10.3389/fpsyg.2020.554624">https://doi.org/10.3389/fpsyg.2020.554624</a>.</p> <p>KANWAL Shamsa, DING Xiaoli, #SAJJAD Muhammad, NAZEER Majid, ZIA Ibrahim, "Remote Sensing of Narrowing Barrier Islands along the Coast of Pakistan over Past 30 Years", <i>Journal of Marine Science and Engineering</i>, 9(3), 08 March 2021, doi: <a href="https://doi.org/10.3390/jmse9030295">https://doi.org/10.3390/jmse9030295</a>.</p> <p>#SAJJAD Muhammad, "Disaster resilience in Pakistan: A comprehensive multi-dimensional spatial profiling", <i>Applied Geography</i>, 126, 21 November 2020, doi: <a href="https://doi.org/10.1016/j.apgeog.2020.102367">https://doi.org/10.1016/j.apgeog.2020.102367</a>.</p>
<b>SHANG Shanshan</b>	<p>#SHANG Shanshan, YANG Chao, WANG Chenguang, QIN Junsheng, LI Yi, GU Qinfen, SHANG Jin, "Transition-Metal-Containing Porphyrin Metal–Organic Frameworks as <math>\pi</math>-Backbonding Adsorbents for NO<sub>2</sub> Removal", <i>Angewandte Chemie - International Edition</i>, 59(44), 22 July 2020, pp 19680–19683, doi: <a href="https://doi.org/10.1002/anie.202007054">https://doi.org/10.1002/anie.202007054</a>.</p> <p>#SHANG Shanshan, XIONG Wei, YANG Chao, JOHANNESSEN Bernt, #LIU Rugeng, HSU Sam H Y, GU Qinfen, LEUNG Kwok Hi Michael, SHANG Jin, "Atomically Dispersed Iron Metal Site in a Porphyrin-Based Metal–Organic Framework for Photocatalytic Nitrogen Fixation", <i>ACS Nano</i>, 15(6), 24 May 2021, pp 9670–9678, doi: <a href="https://doi.org/10.1021/acsnano.0c10947">https://doi.org/10.1021/acsnano.0c10947</a>.</p>

Section A: Publications of PhD Students

	<p>YANG Chao, #SHANG Shanshan, LI Xiao Yan, "Fabrication of sulfur-doped TiO<sub>2</sub> nanotube array as a conductive interlayer of PbO<sub>2</sub> anode for efficient electrochemical oxidation of organic pollutants", <i>Separation and Purification Technology</i>, 258(Part 2), 11 November 2020, doi: <a href="https://doi.org/10.1016/j.seppur.2020.118035">https://doi.org/10.1016/j.seppur.2020.118035</a>.</p> <p>#SHANG Shanshan, YANG Chao, #TIAN Yuanmeng, #TAO Zeyu, - Aamir Hanif, #SUN Mingzhe, #WONG Ho Hin Stephen, WANG Chenguang, SHANG Jin, "NO<sub>2</sub> Removal by Adsorption on Transition-Metal-Based Layered Double Hydroxides", <i>ACS ES&amp;T Engineering</i>, 1(3), 04 December 2020, pp 375-384, doi: <a href="https://doi.org/10.1021/acsestengg.0c00121">https://doi.org/10.1021/acsestengg.0c00121</a>.</p> <p>#SHANG Shanshan, YANG Chao, WANG Chenguang, QIN Junsheng, LI Yi, GU Qinfen, SHANG Jin, "Transition-Metal-Containing Porphyrin Metal–Organic Frameworks as <math>\pi</math>-Backbonding Adsorbents for NO<sub>2</sub> Removal", <i>Angewandte Chemie</i>, 132(44), 22 July 2020, pp 19848-19851, doi: <a href="https://doi.org/10.1002/ange.202007054">https://doi.org/10.1002/ange.202007054</a>.</p> <p>- Aamir Hanif, #SUN Mingzhe, WANG Tianqi, #SHANG Shanshan, TSANG Daniel C. W., SHANG Jin, "Ambient NO<sub>2</sub> adsorption removal by Mg–Al layered double hydroxides and derived mixed metal oxides", <i>Journal of Cleaner Production</i>, 313, 16 June 2021, doi: <a href="https://doi.org/10.1016/j.jclepro.2021.127956">https://doi.org/10.1016/j.jclepro.2021.127956</a>.</p>
SHANG Wentao	<p>#SHANG Wentao, LI Xiaoyan, LIU Wenjie, YUE Sanfeng, LI Mu, VON EIFF David William, SUN Feiyun, AN Kyoung Jin Alicia, "Effective suppression of concentration polarization by nanofiltration membrane surface pattern manipulation: Numerical modeling based on LIF visualization", <i>Journal of Membrane Science</i>, 622, 04 January 2021, doi: <a href="https://doi.org/10.1016/j.memsci.2020.119021">https://doi.org/10.1016/j.memsci.2020.119021</a>.</p>
SHENG Weili	<p>#SHENG Weili, KAN Xiaoming, WEN Bo, ZHANG Lin, "Design matters: New insights on optimizing energy consumption for residential buildings", <i>Energy and Buildings</i>, 242, 02 April 2021, doi: <a href="https://doi.org/10.1016/j.enbuild.2021.110976">https://doi.org/10.1016/j.enbuild.2021.110976</a>.</p> <p>#SHENG Weili, WEN Bo, ZHANG Lin, "Envelope performance of residential building in cool, warm and hot climatic zones: Results from self-designed in-situ monitoring campaigns", <i>Energy and Buildings</i>, 232, 10 December 2020, doi: <a href="https://doi.org/10.1016/j.enbuild.2020.110655">https://doi.org/10.1016/j.enbuild.2020.110655</a>.</p>
SONG Zaixin	<p>#HUANG Rundong, LIU Chunhua, #SONG Zaixin, #ZHAO Hang, "Design and Analysis of a Novel Axial-Radial Flux Permanent Magnet Machine with Halbach-Array Permanent Magnets", <i>Energies</i>, 14(12), 18 June 2021, doi: <a href="https://doi.org/10.3390/en14123639">https://doi.org/10.3390/en14123639</a>.</p> <p>#ZHAO Hang, LIU Chunhua, #SONG Zaixin, #WANG Wusen, "Exact Modeling and Multi-Objective Optimization of Vernier Machines", <i>IEEE Transactions on Industrial Electronics</i>, 21 December 2020, doi: <a href="https://doi.org/10.1109/TIE.2020.3044785">https://doi.org/10.1109/TIE.2020.3044785</a>.</p> <p>#ZHAO Hang, LIU Chunhua, #SONG Zaixin, #YU Jincheng, "A Fast Optimization Scheme of Coaxial Magnetic Gears Based on Exact Analytical Model Considering Magnetic Saturation", <i>IEEE Transactions on Industry Applications</i>, 57(1), 24 November 2020, pp 437-447, doi: <a href="https://doi.org/10.1109/TIA.2020.3040142">https://doi.org/10.1109/TIA.2020.3040142</a>.</p> <p>LIU Chunhua, CHAU K. T., LEE Christopher H. T., #SONG Zaixin, "A Critical Review of Advanced Electric Machines and Control Strategies for Electric Vehicles", <i>Proceedings of the IEEE</i>, 109(6), 10 December 2020, pp 1004-1028, doi: <a href="https://doi.org/10.1109/JPROC.2020.3041417">https://doi.org/10.1109/JPROC.2020.3041417</a>.</p> <p>#DONG Zhiping, LIU Chunhua, #SONG Zaixin, #LIU Senyi, "Suppression of Dual Harmonic Components for Five-Phase Series-Winding PMSM", <i>IEEE Transactions on Transportation Electrification</i>, 22 June 2021, doi: <a href="https://doi.org/10.1109/tte.2021.3091594">https://doi.org/10.1109/tte.2021.3091594</a>.</p> <p>#WANG Wusen, LIU Chunhua, #LIU Senyi, #SONG Zaixin, #ZHAO Hang, DAI Bin, "Current Harmonic Suppression for Permanent-Magnet Synchronous Motor Based on Chebyshev Filter and PI Controller", <i>IEEE Transactions on Magnetics</i>, 57(2), 18 August 2020, doi: <a href="https://doi.org/10.1109/TMAG.2020.3017671">https://doi.org/10.1109/TMAG.2020.3017671</a>.</p> <p>#SONG Zaixin, LIU Chunhua, #ZHAO Hang, "Exact Multi-Physics Modelling and Experimental Validation of Spoke-Type Permanent Magnet Brushless Machines", <i>IEEE Transactions on Power Electronics</i>, 31 March 2021, doi: <a href="https://doi.org/10.1109/TPEL.2021.3069922">https://doi.org/10.1109/TPEL.2021.3069922</a>.</p> <p>#SONG Zaixin, LIU Chunhua, #LIU Senyi, #WANG Wusen, "Active Harmonic Suppression of Low-Reactance Multi-phase Slotless Permanent Magnet Synchronous Machines", <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i>, 08 January 2021, doi: <a href="https://doi.org/10.1109/JESTPE.2021.3050353">https://doi.org/10.1109/JESTPE.2021.3050353</a>.</p>

## Section A: Publications of PhD Students

<b>SU Bizhe</b>	#SU Bizhe, <u>WU Shuilin</u> , LIANG Hanqin, #ZHOU Wenchong, LIU Junnan, GOONETILLEKE Damian, SHARMA Neeraj, <u>SIT Patrick</u> , ZHANG Wenjun, YU Yau Wai Denis, "High-Performance NaVO <sub>3</sub> with Mixed Cationic and Anionic Redox Reactions for Na-Ion Battery Applications", <i>Chemistry of Materials</i> , 32(20), 15 October 2020, pp 8836–8844, doi: <a href="https://doi.org/10.1021/acs.chemmater.0c02244">https://doi.org/10.1021/acs.chemmater.0c02244</a> .
	<u>WU Shuilin</u> , #SU Bizhe, NI Kun, PAN Fei, <u>WANG Changlai</u> , ZHANG Kaili, YU Yau Wai Denis, ZHU Yanwu, ZHANG Wenjun, "Fluorinated Carbonate Electrolyte with Superior Oxidative Stability Enables Long-Term Cycle Stability of Na <sub>2/3</sub> Ni <sub>1/3</sub> Mn <sub>2/3</sub> O <sub>2</sub> Cathodes in Sodium-Ion Batteries", <i>Advanced Energy Materials</i> , 11(9), 28 December 2020, doi: <a href="https://doi.org/10.1002/aenm.202002737">https://doi.org/10.1002/aenm.202002737</a> .
	#WANG Huimin, #XUE Kaiming, #SU Bizhe, YU Yau Wai Denis, "Achieving reversible Cu–Al batteries by reducing self-discharge and side reactions", <i>Electrochimica Acta</i> , 388, 18 May 2021, doi: <a href="https://doi.org/10.1016/j.electacta.2021.138595">https://doi.org/10.1016/j.electacta.2021.138595</a> .
<b>SUI Yunren</b>	<u>WU Wei</u> , #ZHAI Chong, #SUI Yunren, ZHANG Houcheng, "A novel distributed energy system using high-temperature proton exchange membrane fuel cell integrated with hybrid-energy heat pump", <i>Energy Conversion and Management</i> , 235, 14 March 2021, doi: <a href="https://doi.org/10.1016/j.enconman.2021.113990">https://doi.org/10.1016/j.enconman.2021.113990</a> .
	#ZHAI Chong, #SUI Yunren, #SUI Zengguang, <u>WU Wei</u> , "Ionic liquids for microchannel membrane-based absorption heat pumps: Performance comparison and geometry optimization", <i>Energy Conversion and Management</i> , 239, 02 May 2021, doi: <a href="https://doi.org/10.1016/j.enconman.2021.114213">https://doi.org/10.1016/j.enconman.2021.114213</a> .
	<u>WU Wei</u> , #DING Zhixiong, #SUI Yunren, <u>LEUNG Kwok Hi Michael</u> , "Comparative dynamic performance of hybrid absorption thermal batteries using H <sub>2</sub> O/1,3-dimethylimidazolium dimethylphosphate", <i>Energy Conversion and Management</i> , 228, 04 December 2020, doi: <a href="https://doi.org/10.1016/j.enconman.2020.113690">https://doi.org/10.1016/j.enconman.2020.113690</a> .
	<u>WU Wei</u> , #ZHAI Chong, #SUI Zengguang, #SUI Yunren, LUO Xianglong, "Proton exchange membrane fuel cell integrated with microchannel membrane-based absorption cooling for hydrogen vehicles", <i>Renewable Energy</i> , 178, 26 June 2021, pp 560-573, doi: <a href="https://doi.org/10.1016/j.renene.2021.06.098">https://doi.org/10.1016/j.renene.2021.06.098</a> .
<b>SUI Zengguang</b>	#SUI Zengguang, <u>WU Wei</u> , YOU Tian, ZHENG Zhanying, <u>LEUNG Kwok Hi Michael</u> , "Performance investigation and enhancement of membrane-contactor microchannel absorber towards compact absorption cooling", <i>International Journal of Heat and Mass Transfer</i> , 169, 22 January 2021, doi: <a href="https://doi.org/10.1016/j.ijheatmasstransfer.2021.120978">https://doi.org/10.1016/j.ijheatmasstransfer.2021.120978</a> .
	#ZHAI Chong, #SUI Yunren, #SUI Zengguang, <u>WU Wei</u> , "Ionic liquids for microchannel membrane-based absorption heat pumps: Performance comparison and geometry optimization", <i>Energy Conversion and Management</i> , 239, 02 May 2021, doi: <a href="https://doi.org/10.1016/j.enconman.2021.114213">https://doi.org/10.1016/j.enconman.2021.114213</a> .
	#ZHAI Chong, #SUI Zengguang, <u>WU Wei</u> , "Geometry optimization of plate heat exchangers as absorbers in compact absorption refrigeration systems using H <sub>2</sub> O/ionic liquids", <i>Applied Thermal Engineering</i> , 186, 08 January 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.116554">https://doi.org/10.1016/j.applthermaleng.2021.116554</a> .
	<u>WU Wei</u> , #ZHAI Chong, #SUI Zengguang, #SUI Yunren, LUO Xianglong, "Proton exchange membrane fuel cell integrated with microchannel membrane-based absorption cooling for hydrogen vehicles", <i>Renewable Energy</i> , 178, 26 June 2021, pp 560-573, doi: <a href="https://doi.org/10.1016/j.renene.2021.06.098">https://doi.org/10.1016/j.renene.2021.06.098</a> .
	#SUI Zengguang, #ZHAI Chong, <u>WU Wei</u> , "Swirling flow for performance improvement of a microchannel membrane-based absorber with discrete inclined grooves", <i>International Journal of Refrigeration</i> , 130, 25 May 2021, pp 382-391, doi: <a href="https://doi.org/10.1016/j.ijrefrig.2021.05.039">https://doi.org/10.1016/j.ijrefrig.2021.05.039</a> .
<b>SUN Mingzhe</b>	#SUN Mingzhe, - Aamir Hanif, <u>WANG Tianqi</u> , YANG Chao, TSANG Daniel C. W., <u>SHANG Jin</u> , "Chrysanthemum flower like silica with highly dispersed Cu nanoparticles as a high-performance NO <sub>2</sub> adsorbent", <i>Journal of Hazardous Materials</i> , 418, 12 June 2021, doi: <a href="https://doi.org/10.1016/j.jhazmat.2021.126400">https://doi.org/10.1016/j.jhazmat.2021.126400</a> .
	#SHANG Shanshan, YANG Chao, #TIAN Yuanmeng, #TAO Zeyu, - Aamir Hanif, #SUN Mingzhe, #WONG Ho Hin Stephen, WANG Chenguang, <u>SHANG Jin</u> , "NO <sub>2</sub> Removal by Adsorption on

Section A: Publications of PhD Students

	<p>Transition-Metal-Based Layered Double Hydroxides", <i>ACS ES&amp;T Engineering</i>, 1(3), 04 December 2020, pp 375-384, doi: <a href="https://doi.org/10.1021/acsestengg.0c00121">https://doi.org/10.1021/acsestengg.0c00121</a>.</p> <p>- Aamir Hanif, #SUN Mingzhe, WANG Tianqi, #SHANG Shanshan, TSANG Daniel C. W., #SHANG Jin, "Ambient NO<sub>2</sub> adsorption removal by Mg–Al layered double hydroxides and derived mixed metal oxides", <i>Journal of Cleaner Production</i>, 313, 16 June 2021, doi: <a href="https://doi.org/10.1016/j.jclepro.2021.127956">https://doi.org/10.1016/j.jclepro.2021.127956</a>.</p> <p>WANG Tianqi, DISSANAYAKE Pavani Dulanja, #SUN Mingzhe, #TAO Zeyu, HAN Wei, AN Ning, GU Qinfen, XIA Dehua, TIAN Bingbing, OK Yong-Sik, #SHANG Jin, "Adsorption and visible-light photocatalytic degradation of organic pollutants by functionalized biochar: Role of iodine doping and reactive species", <i>Environmental Research</i>, 197, 17 March 2021, doi: <a href="https://doi.org/10.1016/j.envres.2021.111026">https://doi.org/10.1016/j.envres.2021.111026</a>.</p>
<b>TANG Yunqi</b>	<p>#TANG Yunqi, #MAK Chun Hong, #LIU Rugeng, WANG Zuankai, JI Li, SONG Haisheng, TAN Chunyan, BARRIERE Frederic, HSU Sam H Y, "In Situ Formation of Bismuth-Based Perovskite Heterostructures for High-Performance Cocatalyst-Free Photocatalytic Hydrogen Evolution", <i>Advanced Functional Materials</i>, 30(52), 16 September 2020, doi: <a href="https://doi.org/10.1002/adfm.202006919">https://doi.org/10.1002/adfm.202006919</a>.</p> <p>#HUANG Chao, ZHANG Biao, #WU Yuzheng, #RUAN Qingdong, #LIU Liangliang, #SU Jianjun, #TANG Yunqi, LIU Rugeng, CHU Paul Kim Ho, "Experimental and Theoretical Investigation of Reconstruction and Active Phases on Honeycombed Ni<sub>3</sub>N-Co<sub>3</sub>N/C in Water Splitting", <i>Applied Catalysis B: Environmental</i>, 297, 15 June 2021, doi: <a href="https://doi.org/10.1016/j.apcatb.2021.120461">https://doi.org/10.1016/j.apcatb.2021.120461</a>.</p> <p>FU Yu, ZHANG Qianpeng, ZHANG Daquan, #TANG Yunqi, SHU Lei, ZHU Yiyi, FAN Zhiyong, "Scalable All-Evaporation Fabrication of Efficient Light-Emitting Diodes with Hybrid 2D-3D Perovskite Nanostructures", <i>Advanced Functional Materials</i>, 12 August 2020, doi: <a href="https://doi.org/10.1002/adfm.202002913">https://doi.org/10.1002/adfm.202002913</a>.</p> <p>#LIU Rugeng, #MAK Chun Hong, HAN Xu, #TANG Yunqi, CHENG Kuan-Chen, QI Honglan, ZOU Xingli, ZOU Guizheng, HSU Sam H Y, JIA Guohua, "Efficient electronic coupling and heterogeneous charge transport of zero-dimensional Cs<sub>4</sub>PbBr<sub>6</sub>perovskite emitters", <i>Journal of Materials Chemistry A</i>, 8(45), 24 September 2020, pp 23803-23811, doi: <a href="https://doi.org/10.1039/d0ta06076c">https://doi.org/10.1039/d0ta06076c</a>.</p> <p>#MAK Chun Hong, #LIU Rugeng, HAN Xu, #TANG Yunqi, ZOU Xingli, SHEN Hsin-Hui, MENG Yao, ZOU Guizheng, HSU Sam H Y, "Thermally Activated Delayed Phosphorescence and Interchromophore Exciton Coupling in a Platinum-Based Organometallic Emitter", <i>Advanced Optical Materials</i>, 8(20), 26 July 2020, doi: <a href="https://doi.org/10.1002/adom.202001023">https://doi.org/10.1002/adom.202001023</a>.</p>
<b>TAO Zeyu</b>	<p>#SHANG Shanshan, YANG Chao, #TIAN Yuanmeng, #TAO Zeyu, - Aamir Hanif, #SUN Mingzhe, #WONG Ho Hin Stephen, WANG Chenguang, #SHANG Jin, "NO<sub>2</sub> Removal by Adsorption on Transition-Metal-Based Layered Double Hydroxides", <i>ACS ES&amp;T Engineering</i>, 1(3), 04 December 2020, pp 375-384, doi: <a href="https://doi.org/10.1021/acsestengg.0c00121">https://doi.org/10.1021/acsestengg.0c00121</a>.</p> <p>WANG Tianqi, DISSANAYAKE Pavani Dulanja, #SUN Mingzhe, #TAO Zeyu, HAN Wei, AN Ning, GU Qinfen, XIA Dehua, TIAN Bingbing, OK Yong-Sik, #SHANG Jin, "Adsorption and visible-light photocatalytic degradation of organic pollutants by functionalized biochar: Role of iodine doping and reactive species", <i>Environmental Research</i>, 197, 17 March 2021, doi: <a href="https://doi.org/10.1016/j.envres.2021.111026">https://doi.org/10.1016/j.envres.2021.111026</a>.</p>
<b>TIAN Yuanmeng</b>	<p>#SHANG Shanshan, YANG Chao, #TIAN Yuanmeng, #TAO Zeyu, - Aamir Hanif, #SUN Mingzhe, #WONG Ho Hin Stephen, WANG Chenguang, #SHANG Jin, "NO<sub>2</sub> Removal by Adsorption on Transition-Metal-Based Layered Double Hydroxides", <i>ACS ES&amp;T Engineering</i>, 1(3), 04 December 2020, pp 375-384, doi: <a href="https://doi.org/10.1021/acsestengg.0c00121">https://doi.org/10.1021/acsestengg.0c00121</a>.</p> <p>YANG Zhenlian, GU Yangyi, YUAN Baoling, #TIAN Yuanmeng, #SHANG Jin, TSANG Daniel C. W., LIU Mingxian, GAN Lihua, MAO Shun, LI Liangchun, "Thio-groups decorated covalent triazine frameworks for selective mercury removal", <i>Journal of Hazardous Materials</i>, 403, 15 August 2020, doi: <a href="https://doi.org/10.1016/j.jhazmat.2020.123702">https://doi.org/10.1016/j.jhazmat.2020.123702</a>.</p>
<b>TO Ming Ho</b>	<p>#HU Xiaomeng, SUBRAMANIAN SENTHILKANNAN Karpagam, WANG Huaimin, ROELANTS Sophie L.K.W., #TO Ming Ho, SOETAERT Wim, KAUR Guneet, LIN Sze Ki Carol, CHOPRA Shauhrat Singh, "Guiding environmental sustainability of emerging bioconversion technology for waste-derived sophorolipid production by adopting a dynamic life cycle assessment</p>



Section A: Publications of PhD Students

	(dLCA) approach", <i>Environmental Pollution</i> , 269, 23 November 2020, doi: <a href="https://doi.org/10.1016/j.envpol.2020.116101">https://doi.org/10.1016/j.envpol.2020.116101</a> .
<b>UYANGA Kindness Alfred</b>	#UYANGA Kindness Alfred, DAOUD Walid, "Carboxymethyl cellulose-chitosan composite hydrogel: Modelling and experimental study of the effect of composition on microstructure and swelling response", <i>International Journal of Biological Macromolecules</i> , 181, 20 April 2021, pp 1010-1022, doi: <a href="https://doi.org/10.1016/j.ijbiomac.2021.04.117">https://doi.org/10.1016/j.ijbiomac.2021.04.117</a> .
	#UYANGA Kindness Alfred, IAMPHAOJEEN Yuwanda, DAOUD Walid, "Effect of zinc ion concentration on crosslinking of carboxymethyl cellulose sodium-fumaric acid composite hydrogel", <i>Polymer</i> , 225, 20 April 2021, doi: <a href="https://doi.org/10.1016/j.polymer.2021.123788">https://doi.org/10.1016/j.polymer.2021.123788</a> .
	#UYANGA Kindness Alfred, DAOUD Walid, "Green and sustainable carboxymethyl cellulose-chitosan composite hydrogels: Effect of crosslinker on microstructure", <i>Cellulose</i> , 28(9), 06 May 2021, pp 5493–5512, doi: <a href="https://doi.org/10.1007/s10570-021-03870-2">https://doi.org/10.1007/s10570-021-03870-2</a> .
<b>VILLADA ARTEAGA Juan Camilo</b>	#VILLADA ARTEAGA Juan Camilo, DURAN MENESES Maria Fernanda, LEE Patrick Kwan Hon, "Interplay between Position-Dependent Codon Usage Bias and Hydrogen Bonding at the 5' End of ORFeomes", <i>MSYSTEMS</i> , 5(4), 11 August 2020, doi: <a href="https://doi.org/10.1128/mSystems.00613-20">https://doi.org/10.1128/mSystems.00613-20</a> .
<b>WANG Huanhuan</b>	WANG Jingjing, QIU Qingan, #WANG Huanhuan, "Joint optimization of condition-based and age-based replacement policy and inventory policy for a two-unit series system", <i>Reliability Engineering and System Safety</i> , 205, 26 September 2020, doi: <a href="https://doi.org/10.1016/j.ress.2020.107251">https://doi.org/10.1016/j.ress.2020.107251</a> .
	#WANG Huanhuan, BRIMBLECOMBE Peter, NGAN Keith, "A numerical study of local traffic volume and air quality within urban street canyons", <i>Science of the Total Environment</i> , 791, 05 June 2021, doi: <a href="https://doi.org/10.1016/j.scitotenv.2021.148138">https://doi.org/10.1016/j.scitotenv.2021.148138</a> .
	WANG Jingjing, QIU Qingan, #WANG Huanhuan, LIN Cong, "Optimal condition-based preventive maintenance policy for balanced systems", <i>Reliability Engineering and System Safety</i> , 211, 17 March 2021, doi: <a href="https://doi.org/10.1016/j.ress.2021.107606">https://doi.org/10.1016/j.ress.2021.107606</a> .
<b>WANG Huimin</b>	#WANG Huimin, SUN Yang, LI Matthew , LI Gaoran , #XUE Kaiming, CHEN Zhongwei, YU Yau Wai Denis, "Engineering Solvation Complex–Membrane Interaction to Suppress Cation Crossover in 3 V Cu-Al Battery", <i>Small</i> , 16(38), 18 August 2020, doi: <a href="https://doi.org/10.1002/sml.202003438">https://doi.org/10.1002/sml.202003438</a> .
	#WANG Huimin, #XUE Kaiming, #SU Bizhe, YU Yau Wai Denis, "Achieving reversible Cu–Al batteries by reducing self-discharge and side reactions", <i>Electrochimica Acta</i> , 388, 18 May 2021, doi: <a href="https://doi.org/10.1016/j.electacta.2021.138595">https://doi.org/10.1016/j.electacta.2021.138595</a> .
<b>WANG Wusen</b>	#ZHAO Hang, LIU Chunhua, #SONG Zaixin, #WANG Wusen, "Exact Modeling and Multi-Objective Optimization of Vernier Machines", <i>IEEE Transactions on Industrial Electronics</i> , 21 December 2020, doi: <a href="https://doi.org/10.1109/TIE.2020.3044785">https://doi.org/10.1109/TIE.2020.3044785</a> .
	#WANG Wusen, LIU Chunhua, #LIU Senyi, #SONG Zaixin, #ZHAO Hang, DAI Bin, "Current Harmonic Suppression for Permanent-Magnet Synchronous Motor Based on Chebyshev Filter and PI Controller", <i>IEEE Transactions on Magnetics</i> , 57(2), 18 August 2020, doi: <a href="https://doi.org/10.1109/TMAG.2020.3017671">https://doi.org/10.1109/TMAG.2020.3017671</a> .
	#WANG Wusen, LIU Chunhua, #LIU Senyi, #ZHAO Hang, "Model Predictive Torque Control for Dual Three-Phase PMSMs with Simplified Deadbeat Solution and Discrete Space-Vector Modulation", <i>IEEE Transactions on Energy Conversion</i> , 36(2), 15 January 2021, pp 1491-1499, doi: <a href="https://doi.org/10.1109/TEC.2021.3052132">https://doi.org/10.1109/TEC.2021.3052132</a> .
	#SONG Zaixin, LIU Chunhua, #LIU Senyi, #WANG Wusen, "Active Harmonic Suppression of Low-Reactance Multi-phase Slotless Permanent Magnet Synchronous Machines", <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 08 January 2021, doi: <a href="https://doi.org/10.1109/JESTPE.2021.3050353">https://doi.org/10.1109/JESTPE.2021.3050353</a> .
<b>WANG Yao</b>	#WANG Yao, ZHANG Yanjun, WANG Shuo, DONG Shuyu, #DANG Chaoqun, HU Weichen, YU Yau Wai Denis, "Ultrafast Charging and Stable Cycling Dual-Ion Batteries Enabled via an Artificial Cathode–Electrolyte Interface", <i>Advanced Functional Materials</i> , 31(29), 03 May 2021, doi: <a href="https://doi.org/10.1002/adfm.202102360">https://doi.org/10.1002/adfm.202102360</a> .
	ZHANG Yanjun, #WANG Yao, LU Liang, SUN Chunwen, YU Yau Wai Denis, "Vanadium hexacyanoferrate with two redox active sites as cathode material for aqueous Zn-ion batteries", <i>Journal of Power Sources</i> , 484, 04 December 2020, doi: <a href="https://doi.org/10.1016/j.jpowsour.2020.229263">https://doi.org/10.1016/j.jpowsour.2020.229263</a> .

Section A: Publications of PhD Students

<b>WEN Qingmei</b>	# <u>WEN Qingmei</u> , <u>LIU Gang</u> , <u>WU Wei</u> , <u>LIAO Shengming</u> , "Multicriteria comprehensive evaluation framework for industrial park-level distributed energy system considering weights uncertainties", <i>Journal of Cleaner Production</i> , 282, 08 October 2020, doi: <a href="https://doi.org/10.1016/j.jclepro.2020.124530">https://doi.org/10.1016/j.jclepro.2020.124530</a> .
	# <u>WEN Qingmei</u> , <u>LIU Gang</u> , <u>WU Wei</u> , <u>LIAO Shengming</u> , "Genetic algorithm-based operation strategy optimization and multi-criteria evaluation of distributed energy system for commercial buildings", <i>Energy Conversion and Management</i> , 226, 16 October 2020, doi: <a href="https://doi.org/10.1016/j.enconman.2020.113529">https://doi.org/10.1016/j.enconman.2020.113529</a> .
<b>WONG Man Yi</b>	# <u>WONG Man Yi</u> , <u>TSO Chi Yan</u> , <u>HO Tsz Chung</u> , <u>LEE Hau Him</u> , "A review of state of the art thermal diodes and their potential applications", <i>International Journal of Heat and Mass Transfer</i> , 164, 29 October 2020, doi: <a href="https://doi.org/10.1016/j.ijheatmasstransfer.2020.120607">https://doi.org/10.1016/j.ijheatmasstransfer.2020.120607</a> .
<b>WONG Pak Wai</b>	<u>VON EIFF David William</u> , # <u>WONG Pak Wai</u> , <u>GAO Yonggang</u> , <u>JEONG Sanghyun</u> , <u>AN Kyoung Jin Alicia</u> , "Technical and economic analysis of an advanced multi-stage flash crystallizer for the treatment of concentrated brine", <i>Desalination</i> , 503, 22 January 2021, doi: <a href="https://doi.org/10.1016/j.desal.2020.114925">https://doi.org/10.1016/j.desal.2020.114925</a> .
	<u>DEKA Bhaskar Jyoti</u> , <u>GUO Jiaxin</u> , # <u>WONG Pak Wai</u> , # <u>KHANZADA Noman Khalid</u> , # <u>KHARRAZ Jehad Abbaas Abed Alhaleem</u> , <u>TSANG Chi-Wing</u> , <u>AN Kyoung Jin Alicia</u> , "A Conductive Hydrophobic Polyaniline Sandwiched Polyvinylidene Fluoride Membrane for Early Detection of Surfactant-Induced Wetting in Membrane Distillation Using Impedance", <i>ACS Applied Polymer Materials</i> , 3(2), 02 February 2021, pp 679–690, doi: <a href="https://doi.org/10.1021/acsapm.0c00991">https://doi.org/10.1021/acsapm.0c00991</a> .
	<u>ZHANG Baoping</u> , <u>GU Qinfen</u> , <u>WANG Cheng</u> , # <u>GAO Qili</u> , <u>GUO Jiaxin</u> , # <u>WONG Pak Wai</u> , <u>LIU Chain Tsuan</u> , <u>AN Kyoung Jin Alicia</u> , "Self-Assembled Hydrophobic/Hydrophilic Porphyrin-Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Janus Membrane for Dual-Functional Enabled Photothermal Desalination", <i>ACS Applied Materials and Interfaces</i> , 13(3), 19 January 2021, pp 3762-3770, doi: <a href="https://doi.org/10.1021/acsami.0c16054">https://doi.org/10.1021/acsami.0c16054</a> .
<b>WU Han</b>	# <u>WU Han</u> , <u>SIT Patrick</u> , "Ab initio study of graphitic-N and pyridinic-N doped graphene for catalytic oxygen reduction reactions", <i>Computational and Theoretical Chemistry</i> , 1201, 13 May 2021, doi: <a href="https://doi.org/10.1016/j.comptc.2021.113292">https://doi.org/10.1016/j.comptc.2021.113292</a> .
<b>WU Yinghong</b>	# <u>WU Yinghong</u> , <u>LUO Yang</u> , <u>QU Jingkui</u> , <u>DAOUD Walid</u> , <u>QI Tao</u> , "Nanogap and Environmentally Stable Triboelectric Nanogenerators Based on Surface Self-Modified Sustainable Films", <i>ACS Applied Materials and Interfaces</i> , 12(49), 30 November 2020, pp 55444–55452, doi: <a href="https://doi.org/10.1021/acsami.0c16671">https://doi.org/10.1021/acsami.0c16671</a> .
	# <u>LUO Yang</u> , # <u>WU Yinghong</u> , <u>WU Donghai</u> , # <u>HUANG Chao</u> , # <u>XIAO Dezhi</u> , <u>CHEN Houyang</u> , <u>ZHENG Shili</u> , <u>CHU Paul Kim Ho</u> , "NiFe-Layered Double Hydroxide Synchronously Activated by Heterojunctions and Vacancies for the Oxygen Evolution Reaction", <i>ACS Applied Materials &amp; Interfaces</i> , 12(38), 31 August 2020, pp 42850-42858, doi: <a href="https://doi.org/10.1021/acsami.0c11847">https://doi.org/10.1021/acsami.0c11847</a> .
<b>XIAO Yang</b>	# <u>XIAO Yang</u> , <u>LIU Chunhua</u> , "Direct Load Voltage Control for Electrolytic Capacitorless Wireless Power Transfer System Without DC/DC Converter", <i>IEEE Transactions on Industrial Electronics</i> , 68(9), 07 August 2020, pp 8039-8048, doi: <a href="https://doi.org/10.1109/TIE.2020.3013780">https://doi.org/10.1109/TIE.2020.3013780</a> .
	# <u>LIU Senyi</u> , <u>LIU Chunhua</u> , # <u>HUANG Yongcan</u> , # <u>XIAO Yang</u> , "Direct Modulation Pattern Control for Dual Three-phase PMSM Drive System", <i>IEEE Transactions on Industrial Electronics</i> , 28 January 2021, doi: <a href="https://doi.org/10.1109/TIE.2021.3053880">https://doi.org/10.1109/TIE.2021.3053880</a> .
	# <u>LIU Yuxin</u> , <u>LIU Chunhua</u> , <u>GAO Xingran</u> , # <u>XIAO Yang</u> , "Novel Output Regulation Method for Three-phase Three-level Wireless EV Charging System", <i>IEEE Transactions on Magnetics</i> , 17 May 2021, doi: <a href="https://doi.org/10.1109/TMAG.2021.3080706">https://doi.org/10.1109/TMAG.2021.3080706</a> .
	<u>GAO Xingran</u> , <u>LIU Chunhua</u> , <u>ZHOU Hong</u> , <u>HU Wenshan</u> , # <u>HUANG Yongcan</u> , # <u>XIAO Yang</u> , <u>LEI Zhongcheng</u> , <u>CHEN Jing</u> , "Design and Analysis of a New Hybrid Wireless Power Transfer System with a Space-Saving Coupler Structure", <i>IEEE Transactions on Power Electronics</i> , 36(5), 28 September 2020, pp 5069-5081, doi: <a href="https://doi.org/10.1109/TPEL.2020.3027473">https://doi.org/10.1109/TPEL.2020.3027473</a> .
<b>XIE Xian</b>	# <u>XIE Xian</u> , <u>XIANG Yan</u> , <u>DAOUD Walid</u> , "MoO <sub>3</sub> -Deposited Graphite Felt for High-Performance Vanadium Redox Flow Batteries", <i>ACS Applied Energy Materials</i> , 3(11), 10 November 2020, pp 10463–10476, doi: <a href="https://doi.org/10.1021/acsaeem.0c01479">https://doi.org/10.1021/acsaeem.0c01479</a> .

Section A: Publications of PhD Students

<b>XU Zizhen</b>	<u>SUBRAMANIAN SENTHILKANNAN</u> Karpagam, <u>CHOPRA</u> Shauhrat Singh, # <u>CAKIN Ezgi</u> , <u>LIU Jiarun</u> , # <u>XU Zizhen</u> , "Advancing neighbourhood sustainability assessment by accounting for sustainable development goals: A case study of Sha Tin neighbourhood in Hong Kong", <i>Sustainable Cities and Society</i> , 66, 10 December 2020, doi: <a href="https://doi.org/10.1016/j.scs.2020.102649">https://doi.org/10.1016/j.scs.2020.102649</a> .
<b>XUE Kaiming</b>	# <u>WANG Huimin</u> , SUN Yang, LI Matthew , LI Gaoran , # <u>XUE Kaiming</u> , CHEN Zhongwei, <u>YU Yau Wai Denis</u> , "Engineering Solvation Complex–Membrane Interaction to Suppress Cation Crossover in 3 V Cu-Al Battery", <i>Small</i> , 16(38), 18 August 2020, doi: <a href="https://doi.org/10.1002/sml.202003438">https://doi.org/10.1002/sml.202003438</a> . # <u>WANG Huimin</u> , # <u>XUE Kaiming</u> , # <u>SU Bizhe</u> , <u>YU Yau Wai Denis</u> , "Achieving reversible Cu–Al batteries by reducing self-discharge and side reactions", <i>Electrochimica Acta</i> , 388, 18 May 2021, doi: <a href="https://doi.org/10.1016/j.electacta.2021.138595">https://doi.org/10.1016/j.electacta.2021.138595</a> .
<b>YANG Junwei</b>	# <u>YANG Junwei</u> , # <u>AU Wing Chi</u> , # <u>LAW Haymann</u> , <u>LAM Jason</u> , <u>NAH Ern Mei Theodora</u> , "Formation and evolution of brown carbon during aqueous-phase nitrate-mediated photooxidation of guaiacol and 5-nitroguaiacol", <i>Atmospheric Environment</i> , 254, 11 April 2021, doi: <a href="https://doi.org/10.1016/j.atmosenv.2021.118401">https://doi.org/10.1016/j.atmosenv.2021.118401</a> .
<b>YEO Joonho</b>	ADOM Philip Kofi, # <u>YEO Joonho</u> , <u>ZHANG Lin</u> , "Is water use sustainable and efficient in China? Evidence from a macro level analysis", <i>Applied Economics</i> , 11 June 2021, doi: <a href="https://doi.org/10.1080/00036846.2021.1937496">https://doi.org/10.1080/00036846.2021.1937496</a> .
<b>YU Jincheng</b>	# <u>YU Jincheng</u> , <u>LIU Chunhua</u> , # <u>LIU Senyi</u> , # <u>ZHAO Hang</u> , "Comparative Study of Double-Stator Interior-PM Vernier Machines based on Electromagnetic-Structural Coupling Analysis", <i>IEEE Transactions on Industrial Electronics</i> , 01 December 2020, doi: <a href="https://doi.org/10.1109/TIE.2020.3034848">https://doi.org/10.1109/TIE.2020.3034848</a> . # <u>ZHAO Hang</u> , <u>LIU Chunhua</u> , # <u>SONG Zaixin</u> , # <u>YU Jincheng</u> , "A Fast Optimization Scheme of Coaxial Magnetic Gears Based on Exact Analytical Model Considering Magnetic Saturation", <i>IEEE Transactions on Industry Applications</i> , 57(1), 24 November 2020, pp 437-447, doi: <a href="https://doi.org/10.1109/TIA.2020.3040142">https://doi.org/10.1109/TIA.2020.3040142</a> .
<b>YU Jinjin</b>	# <u>YU Jinjin</u> , TANG Siang Nee, <u>LEE Patrick Kwan Hon</u> , "Microbial Communities in Full-Scale Wastewater Treatment Systems Exhibit Deterministic Assembly Processes and Functional Dependency over Time", <i>Environmental Science and Technology</i> , 55(8), 30 March 2021, pp 5312–5323, doi: <a href="https://doi.org/10.1021/acs.est.0c06732">https://doi.org/10.1021/acs.est.0c06732</a> .
<b>YU Xiaocheng</b>	SHEN Hongyan, ZHAO Junhu, <u>CHEUNG King Yeung</u> , CHEN Lijuan, # <u>YU Xiaocheng</u> , WEN Tingting, GONG Zhiqiang, FENG Guolin, "Causes of the extreme snowfall anomaly over the northeast Tibetan plateau in early winter 2018", <i>Climate Dynamics</i> , 27(5-6), 02 January 2021, pp 1767–1782, doi: <a href="https://doi.org/10.1007/s00382-020-05556-0">https://doi.org/10.1007/s00382-020-05556-0</a> .
<b>ZHAI Chong</b>	<u>WU Wei</u> , # <u>ZHAI Chong</u> , # <u>SUI Yunren</u> , ZHANG Houcheng, "A novel distributed energy system using high-temperature proton exchange membrane fuel cell integrated with hybrid-energy heat pump", <i>Energy Conversion and Management</i> , 235, 14 March 2021, doi: <a href="https://doi.org/10.1016/j.enconman.2021.113990">https://doi.org/10.1016/j.enconman.2021.113990</a> . # <u>ZHAI Chong</u> , # <u>SUI Yunren</u> , # <u>SUI Zengguang</u> , <u>WU Wei</u> , "Ionic liquids for microchannel membrane-based absorption heat pumps: Performance comparison and geometry optimization", <i>Energy Conversion and Management</i> , 239, 02 May 2021, doi: <a href="https://doi.org/10.1016/j.enconman.2021.114213">https://doi.org/10.1016/j.enconman.2021.114213</a> . # <u>ZHAI Chong</u> , # <u>SUI Zengguang</u> , <u>WU Wei</u> , "Geometry optimization of plate heat exchangers as absorbers in compact absorption refrigeration systems using H <sub>2</sub> O/ionic liquids", <i>Applied Thermal Engineering</i> , 186, 08 January 2021, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2021.116554">https://doi.org/10.1016/j.applthermaleng.2021.116554</a> . # <u>ZHAI Chong</u> , <u>WU Wei</u> , CORONAS Alberto, "Membrane-based absorption cooling and heating: Development and perspectives", <i>Renewable Energy</i> , 177, 01 June 2021, pp 663-688, doi: <a href="https://doi.org/10.1016/j.renene.2021.05.156">https://doi.org/10.1016/j.renene.2021.05.156</a> . <u>WU Wei</u> , # <u>ZHAI Chong</u> , # <u>SUI Zengguang</u> , # <u>SUI Yunren</u> , LUO Xianglong, "Proton exchange membrane fuel cell integrated with microchannel membrane-based absorption cooling for hydrogen vehicles", <i>Renewable Energy</i> , 178, 26 June 2021, pp 560-573, doi: <a href="https://doi.org/10.1016/j.renene.2021.06.098">https://doi.org/10.1016/j.renene.2021.06.098</a> . # <u>ZHAI Chong</u> , <u>WU Wei</u> , "Heat and mass transfer performance comparison of various absorbers/desorbers towards compact and efficient absorption heat pumps", <i>International</i>

## Section A: Publications of PhD Students

	<p><i>Journal of Refrigeration</i>, 127, 04 February 2021, pp 203-220, doi: <a href="https://doi.org/10.1016/j.ijrefrig.2021.01.029">https://doi.org/10.1016/j.ijrefrig.2021.01.029</a>.</p> <p>#ZHAI Chong, WU Wei, "Performance optimization and comparison towards compact and efficient absorption refrigeration system with conventional and emerging absorbers/desorbers", <i>Energy</i>, 229, 28 April 2021, doi: <a href="https://doi.org/10.1016/j.energy.2021.120669">https://doi.org/10.1016/j.energy.2021.120669</a>.</p> <p>#SUI Zengguang, #ZHAI Chong, WU Wei, "Swirling flow for performance improvement of a microchannel membrane-based absorber with discrete inclined grooves", <i>International Journal of Refrigeration</i>, 130, 25 May 2021, pp 382-391, doi: <a href="https://doi.org/10.1016/j.ijrefrig.2021.05.039">https://doi.org/10.1016/j.ijrefrig.2021.05.039</a>.</p>
<b>ZHANG Hongyan</b>	#ZHANG Hongyan, SONG Yinqiu, ZHANG Lin, "Pollution control in urban China: A multi-level analysis on household and industrial pollution", <i>Science of the Total Environment</i> , 749, 05 August 2020, doi: <a href="https://doi.org/10.1016/j.scitotenv.2020.141478">https://doi.org/10.1016/j.scitotenv.2020.141478</a> .
<b>ZHANG Ruifeng</b>	<p>GEN Masao, #ZHOU Liyuan, #ZHANG Ruifeng, CHAN Chak Keung, "Concluding remarks: <i>Faraday Discussion</i> on air quality in megacities", <i>Faraday Discussions</i>, 226, 02 March 2021, pp 617-628, doi: <a href="https://doi.org/10.1039/d0fd90037k">https://doi.org/10.1039/d0fd90037k</a>.</p> <p>#ZHANG Ruifeng, GEN Masao, FU Tzung-May, CHAN Chak Keung, "Production of Formate via Oxidation of Glyoxal Promoted by Particulate Nitrate Photolysis", <i>Environmental Science and Technology</i>, 55(9), 16 April 2021, pp 5711–5720, doi: <a href="https://doi.org/10.1021/acs.est.0c08199">https://doi.org/10.1021/acs.est.0c08199</a>.</p> <p>#LIANG Zhancong, #ZHANG Ruifeng, GEN Masao, CHU Yangxi, CHAN Chak Keung, "Nitrate Photolysis in Mixed Sucrose-Nitrate-Sulfate Particles at Different Relative Humidities", <i>Journal of Physical Chemistry A</i>, 125(17), 26 April 2021, pp 3739-3747, doi: <a href="https://doi.org/10.1021/acs.jpca.1c00669">https://doi.org/10.1021/acs.jpca.1c00669</a>.</p> <p>GEN Masao, #ZHANG Ruifeng, LI Yongjie, CHAN Chak Keung, "Multiphase Photochemistry of Iron-Chloride Containing Particles as a Source of Aqueous Chlorine Radicals and Its Effect on Sulfate Production", <i>Environmental Science &amp; Technology</i>, 54(16), 15 July 2020, pp 9862-9871, doi: <a href="https://doi.org/10.1021/acs.est.0c01540">https://doi.org/10.1021/acs.est.0c01540</a>.</p>
<b>ZHANG Weihai</b>	<p>#ZHANG Weihai, XIONG Juan, LI Jinhua, DAOUD Walid, "Organic Dye Passivation for High-Performance All-Inorganic CsPb<sub>1.5</sub>Br<sub>1.5</sub> Perovskite Solar Cells with Efficiency over 14%", <i>Advanced Energy Materials</i>, 11(5), 28 December 2020, doi: <a href="https://doi.org/10.1002/aenm.202003585">https://doi.org/10.1002/aenm.202003585</a>.</p> <p>#FAHIM Muhammad, #FIRDOUS Irum, #ZHANG Weihai, DAOUD Walid, "Bifunctional interfacial engineering for piezo-phototronic enhanced photovoltaic performance of wearable perovskite solar cells", <i>Nano Energy</i>, 86, 08 May 2021, doi: <a href="https://doi.org/10.1016/j.nanoen.2021.106127">https://doi.org/10.1016/j.nanoen.2021.106127</a>.</p>
<b>ZHANG Yizhen</b>	<p>HE Yun, #ZHANG Yizhen, LI Li, SHEN Wenjuan, LI Jianfen, "An efficient optofluidic photocatalytic fuel cell with dual-photoelectrode for electricity generation from wastewater treatment", <i>Journal of Solid State Chemistry</i>, 293, 09 October 2020, doi: <a href="https://doi.org/10.1016/j.jssc.2020.121780">https://doi.org/10.1016/j.jssc.2020.121780</a>.</p> <p>#ZHANG Yizhen, HU Jue, ZHANG Chengxu, CHEUNG Tin Fu, ZHANG Yue, LIU Lifan, LEUNG Kwok Hi Michael, "Mo<sub>2</sub>C embedded on nitrogen-doped carbon toward electrocatalytic nitrogen reduction to ammonia under ambient conditions", <i>International Journal of Hydrogen Energy</i>, 46(24), 15 February 2021, pp 13011-13019, doi: <a href="https://doi.org/10.1016/j.ijhydene.2021.01.150">https://doi.org/10.1016/j.ijhydene.2021.01.150</a>.</p> <p>WANG Yu, #GAO Congyu, #ZHANG Yizhen, LEUNG Kwok Hi Michael, LIU Jin-Wei, #HUANG Suzhen, LIU Guang-Li, LI Jian-Feng, ZHAO Hua-Zhang, "Bimetal-organic framework derived CoFe/NC porous hybrid nanorods as high-performance persulfate activators for bisphenol a degradation", <i>Chemical Engineering Journal</i>, 20 November 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.127800">https://doi.org/10.1016/j.cej.2020.127800</a>.</p> <p>#ZHANG Yizhen, HU Jue, ZHANG Chengxu, QI Qianglong, LUO Shanxiong, #CHEN Keda, LIU Lifan, LEUNG Kwok Hi Michael, "Electrochemical synthesis of ammonia from nitrogen catalyzed by CoMoO<sub>4</sub> nanorods under ambient conditions", <i>Journal of Materials Chemistry A</i>, 9(8), 18 January 2021, pp 5060-5066, doi: <a href="https://doi.org/10.1039/d0ta08983d">https://doi.org/10.1039/d0ta08983d</a>.</p>

## Section A: Publications of PhD Students

<b>ZHAO Hang</b>	#HUANG Rundong, LIU Chunhua, #SONG Zaixin, #ZHAO Hang, "Design and Analysis of a Novel Axial-Radial Flux Permanent Magnet Machine with Halbach-Array Permanent Magnets", <i>Energies</i> , 14(12), 18 June 2021, doi: <a href="https://doi.org/10.3390/en14123639">https://doi.org/10.3390/en14123639</a> .
	#ZHAO Hang, LIU Chunhua, #SONG Zaixin, #WANG Wusen, "Exact Modeling and Multi-Objective Optimization of Vernier Machines", <i>IEEE Transactions on Industrial Electronics</i> , 21 December 2020, doi: <a href="https://doi.org/10.1109/TIE.2020.3044785">https://doi.org/10.1109/TIE.2020.3044785</a> .
	#YU Jincheng, LIU Chunhua, #LIU Senyi, #ZHAO Hang, "Comparative Study of Double-Stator Interior-PM Vernier Machines based on Electromagnetic-Structural Coupling Analysis", <i>IEEE Transactions on Industrial Electronics</i> , 01 December 2020, doi: <a href="https://doi.org/10.1109/TIE.2020.3034848">https://doi.org/10.1109/TIE.2020.3034848</a> .
	#ZHAO Hang, LIU Chunhua, #SONG Zaixin, #YU Jincheng, "A Fast Optimization Scheme of Coaxial Magnetic Gears Based on Exact Analytical Model Considering Magnetic Saturation", <i>IEEE Transactions on Industry Applications</i> , 57(1), 24 November 2020, pp 437-447, doi: <a href="https://doi.org/10.1109/TIA.2020.3040142">https://doi.org/10.1109/TIA.2020.3040142</a> .
	#WANG Wusen, LIU Chunhua, #LIU Senyi, #SONG Zaixin, #ZHAO Hang, DAI Bin, "Current Harmonic Suppression for Permanent-Magnet Synchronous Motor Based on Chebyshev Filter and PI Controller", <i>IEEE Transactions on Magnetics</i> , 57(2), 18 August 2020, doi: <a href="https://doi.org/10.1109/TMAG.2020.3017671">https://doi.org/10.1109/TMAG.2020.3017671</a> .
	#WANG Wusen, LIU Chunhua, #LIU Senyi, #ZHAO Hang, "Model Predictive Torque Control for Dual Three-Phase PMSMs with Simplified Deadbeat Solution and Discrete Space-Vector Modulation", <i>IEEE Transactions on Energy Conversion</i> , 36(2), 15 January 2021, pp 1491-1499, doi: <a href="https://doi.org/10.1109/TEC.2021.3052132">https://doi.org/10.1109/TEC.2021.3052132</a> .
	#SONG Zaixin, LIU Chunhua, #ZHAO Hang, "Exact Multi-Physics Modelling and Experimental Validation of Spoke-Type Permanent Magnet Brushless Machines", <i>IEEE Transactions on Power Electronics</i> , 31 March 2021, doi: <a href="https://doi.org/10.1109/TPEL.2021.3069922">https://doi.org/10.1109/TPEL.2021.3069922</a> .
	#LIU Senyi, LIU Chunhua, #HUANG Yongcan, #ZHAO Hang, "Model Predictive Two-Target Current Control for OW-PMSM", <i>IEEE Transactions on Power Electronics</i> , 36(3), 14 August 2020, pp 3224-3235, doi: <a href="https://doi.org/10.1109/TPEL.2020.3016714">https://doi.org/10.1109/TPEL.2020.3016714</a> .
<b>ZHOU Jinsong</b>	SHE Yiyi, WANG An, #LIU Jin, #ZHOU Jinsong, LI Li, WANG Hongkang, LEUNG Kwok Hi Michael, "Hierarchical Carbon Nanocages Embedding High-loading Sulfur for Catalyzing Oxygen Reduction Reactions", <i>ChemCatChem</i> , 13(8), 16 January 2021, pp 2045-2052, doi: <a href="https://doi.org/10.1002/cctc.202001515">https://doi.org/10.1002/cctc.202001515</a> .
<b>ZHOU Liyuan</b>	GEN Masao, #ZHOU Liyuan, #ZHANG Ruifeng, CHAN Chak Keung, "Concluding remarks: <i>Faraday Discussion</i> on air quality in megacities", <i>Faraday Discussions</i> , 226, 02 March 2021, pp 617-628, doi: <a href="https://doi.org/10.1039/d0fd90037k">https://doi.org/10.1039/d0fd90037k</a> .
	#ZHOU Liyuan, LIU Tengyu, YAO Dawen, GUO Hai, CHENG Chunlei, CHAN Chak Keung, "Primary emissions and secondary production of organic aerosols from heated animal fats", <i>Science of the Total Environment</i> , 794, 24 June 2021, doi: <a href="https://doi.org/10.1016/j.scitotenv.2021.148638">https://doi.org/10.1016/j.scitotenv.2021.148638</a> .
<b>ZHOU Wenchong</b>	#SU Bizhe, WU Shuilin, LIANG Hanqin, #ZHOU Wenchong, LIU Junnan, GOONETILLEKE Damian, SHARMA Neeraj, SIT Patrick, ZHANG Wenjun, YU Yau Wai Denis, "High-Performance NaVO <sub>3</sub> with Mixed Cationic and Anionic Redox Reactions for Na-Ion Battery Applications", <i>Chemistry of Materials</i> , 32(20), 15 October 2020, pp 8836-8844, doi: <a href="https://doi.org/10.1021/acs.chemmater.0c02244">https://doi.org/10.1021/acs.chemmater.0c02244</a> .
	#ZHOU Wenchong, SOUSSI Maaouia, ABE Taichi, SAHARA Ryoji, SIT Patrick, TSUCHIYA Koichi, "Evaluating the phase stability of binary titanium alloy Ti-X (X = Mo, Nb, Al, and Zr) using first-principles calculations and a Debye model", <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 71, 15 October 2020, doi: <a href="https://doi.org/10.1016/j.calphad.2020.102207">https://doi.org/10.1016/j.calphad.2020.102207</a> .
	#ZHOU Wenchong, SIT Patrick, "First-Principles Understanding of the Staging Properties of the Graphite Intercalation Compounds towards Dual-Ion Battery Applications", <i>ACS Omega</i> , 5(29), 16 July 2020, pp 18289-18300, doi: <a href="https://doi.org/10.1021/acsomega.0c01950">https://doi.org/10.1021/acsomega.0c01950</a> .
<b>ZHOU You</b>	#ZHOU You, LEUNG HO-yin and Marcus, TONG Xinzhao, LAI Yonghang, TONG Jimmy C K, RIDLEY Ian Alexander, LEE Patrick Kwan Hon, "Profiling Airborne Microbiota in Mechanically Ventilated Buildings Across Seasons in Hong Kong Reveals Higher Metabolic Activity in Low-

Section A: Publications of PhD Students

	Abundance Bacteria", <i>Environmental Science and Technology</i> , 55(1), 21 December 2020, pp 249–259, doi: <a href="https://doi.org/10.1021/acs.est.0c06201">https://doi.org/10.1021/acs.est.0c06201</a> .
	#ZHOU You, LAI Yonghang, TONG Xinzhaoh, LEUNG HO-yin and Marcus, TONG Jimmy C K, RIDLEY Ian Alexander, LEE Patrick Kwan Hon, "Airborne Bacteria in Outdoor Air and Air of Mechanically Ventilated Buildings at City Scale in Hong Kong across Seasons", <i>Environmental Science &amp; Technology</i> , 54(19), 27 August 2020, pp 11732-11743, doi: <a href="https://doi.org/10.1021/acs.est.9b07623">https://doi.org/10.1021/acs.est.9b07623</a> .
ZHU Yihao	#ZHU Yihao, TSO Chi Yan, HO Tsz Chung, LEUNG Kwok Hi Michael, YAO Shuhuai, "Coalescence-Induced Jumping Droplets on Nanostructured Biphilic Surfaces with Contact Electrification Effects", <i>ACS Applied Materials &amp; Interfaces</i> , 13(9), 25 February 2021, pp 11470-11479, doi: <a href="https://doi.org/10.1021/acsami.0c22055">https://doi.org/10.1021/acsami.0c22055</a> .
	#ZHU Yihao, TSO Chi Yan, HO Tsz Chung, LEUNG Kwok Hi Michael, YAO Shuhuai, QIU Huihe, "Heat transfer enhancement on tube surfaces with biphilic nanomorphology", <i>Applied Thermal Engineering</i> , 180, 27 July 2020, doi: <a href="https://doi.org/10.1016/j.applthermaleng.2020.115778">https://doi.org/10.1016/j.applthermaleng.2020.115778</a> .
<b>Conference papers</b>	
DING Zhixiong	#DING Zhixiong, WU Wei, LEUNG Kwok Hi Michael, "Optimization of the compressor displacement for compression-assisted absorption thermal battery", <i>12th International Conference on Applied Energy (ICAE2020)</i> , Virtual, Bangkok, 01-10 December 2020.
HU Xiaomeng	#HU Xiaomeng, SUBRAMANIAN SENTHILKANNAN Karpagam, WANG Huaimin, ROELANTS Sophie L.K.W., #TO Ming Ho, SOETAERT Wim, KAUR Guneet, LIN Sze Ki Carol, CHOPRA Shauhrat Singh, "Guiding Environmental Sustainability of Emerging Waste-Derived Sophorolipid Production By Adopting a Dynamic Life Cycle Assessment (dLCA) Approach", <i>2nd Engineering Sustainable Development Conference</i> , Virtual, 15-17 December 2020.
	#HU Xiaomeng, SUBRAMANIAN SENTHILKANNAN Karpagam, WANG Huaimin, ROELANTS Sophie L.K.W., #TO Ming Ho, SOETAERT Wim, KAUR Guneet, LIN Sze Ki Carol, CHOPRA Shauhrat Singh, "Guiding Environmental Sustainability of Emerging Bioconversion Technology for Sophorolipid Production By Adopting a Dynamic Life Cycle Assessment (dLCA) Approach", <i>2nd Sustainable Waste Management Conference (SWM 2020)</i> , Virtual, 15-17 September 2020.
HUANG Yongcan	GAO Xingran, LIU Chunhua, #HUANG Yongcan, #SONG Zaixin, "Design of An UAV-Oriented Wireless Power Transfer System with Energy-Efficient Receiver", <i>Proceedings - IECON 2020 The 46th Annual Conference of the IEEE Industrial Electronics Society</i> , Nanyang Technological University and IEEE Industrial Electronics Society, Virtual, Singapore, 19-21 October 2020, pp 2025-2030, (ISBN: 9781728154145).
KHANZADA Noman Khalid	#KHANZADA Noman Khalid, AN Kyoung Jin Alicia, "Evaluation of anti-bacterial adhesion performance of polydopamine cross-linked graphene oxide RO membrane via in situ optical coherence tomography", <i>12th International Congress on Membranes &amp; Membrane Processes (ICOM 2020)</i> , Online – Live and on-demand, United Kingdom, 07-11 December 2020.
LIU Sai	#LIU Sai, LEE Hau Him, DU Yuwei, TSO Chi Yan, "Properties of Hydrogel-Wood Composite as a New Thermochromic Glazing Material", <i>17th Healthy Buildings Conference</i> , Online, Oslo, Norway, 21-23 June 2021.
NALLAPANENI Manoj Kumar	CHAND Aneesh A., PRASAD Kushal A., ISLAM F.r., MAMUN Kabir A., #NALLAPANENI Manoj Kumar, PRAKASH K., "An Overview of Various Control and Stability Techniques for Power-Sharing in Microgrids", <i>Advances in Smart Grid and Renewable Energy - Select Proceedings of ETAEERE 2020</i> , Kalinga Institute of Industrial Technology, Bhubaneswar, India, 05-06 March 2020, pp 1-14, (ISBN: 9789811575105,9789811575112,9789811577147).
SONG Zaixin	#SONG Zaixin, LIU Chunhua, #ZHAO Hang, "Improved Torque Density of a Permanent Magnet Brushless AC Motor with Novel Pulse Width Modulation Magnet for Electrified Application", <i>Proceedings - IECON 2020 The 46th Annual Conference of the IEEE Industrial Electronics Society</i> , Nanyang Technological University and IEEE Industrial Electronics Society, Virtual, Singapore, 19-21 October 2020, pp 4691-4696, (ISBN: 9781728154145).
	GAO Xingran, LIU Chunhua, #HUANG Yongcan, #SONG Zaixin, "Design of An UAV-Oriented Wireless Power Transfer System with Energy-Efficient Receiver", <i>Proceedings - IECON 2020 The 46th Annual Conference of the IEEE Industrial Electronics Society</i> , Nanyang Technological

Section A: Publications of PhD Students

	University and IEEE Industrial Electronics Society, Virtual, Singapore, 19-21 October 2020, pp 2025-2030, (ISBN: 9781728154145).
<b>TO Ming Ho</b>	# <u>HU Xiaomeng</u> , <u>SUBRAMANIAN SENTHILKANNAN</u> Karpagam, <u>WANG Huaimin</u> , ROELANTS Sophie L.K.W., # <u>TO Ming Ho</u> , SOETAERT Wim, KAUR Guneet, <u>LIN Sze Ki Carol</u> , <u>CHOPRA Shauhrat Singh</u> , "Guiding Environmental Sustainability of Emerging Waste-Derived Sophorolipid Production By Adopting a Dynamic Life Cycle Assessment (dLCA) Approach", <i>2nd Engineering Sustainable Development Conference</i> , Virtual, 15-17 December 2020.
	# <u>HU Xiaomeng</u> , <u>SUBRAMANIAN SENTHILKANNAN</u> Karpagam, <u>WANG Huaimin</u> , ROELANTS Sophie L.K.W., # <u>TO Ming Ho</u> , SOETAERT Wim, KAUR Guneet, <u>LIN Sze Ki Carol</u> , <u>CHOPRA Shauhrat Singh</u> , "Guiding Environmental Sustainability of Emerging Bioconversion Technology for Sophorolipid Production By Adopting a Dynamic Life Cycle Assessment (dLCA) Approach", <i>2nd Sustainable Waste Management Conference (SWM 2020)</i> , Virtual, 15-17 September 2020.
<b>WONG Man Yi</b>	# <u>WONG Man Yi</u> , <u>TSO Chi Yan</u> , <u>HO Tsz Chung</u> , "Phase Change Thermal Diode Using Al <sub>2</sub> O <sub>3</sub> -Cu/Water Hybrid Nanofluids for Thermal Rectification Enhancement", <i>Proceedings of the 2020 28th International Conference on Nuclear Engineering Joint With the ASME 2020 Power Conference</i> , Virtual Conference, Online, Anaheim, United States, 04-05 August 2020, (ISBN: 978-0-7918-8374-7).
<b>ZHAI Chong</b>	# <u>ZHAI Chong</u> , <u>WU Wei</u> , <u>SUN Qin</u> , <u>DONG Kaijun</u> , <u>LEUNG Kwok Hi Michael</u> , "Performance simulation and geometries optimization of microchannel membrane-based absorption heat pump working with ionic liquids", <i>12th International Conference on Applied Energy (ICAE2020)</i> , Virtual, Bangkok, 01-10 December 2020.
<b>ZHAO Hang</b>	# <u>SONG Zaixin</u> , <u>LIU Chunhua</u> , # <u>ZHAO Hang</u> , "Improved Torque Density of a Permanent Magnet Brushless AC Motor with Novel Pulse Width Modulation Magnet for Electrified Application", <i>Proceedings - IECON 2020 The 46th Annual Conference of the IEEE Industrial Electronics Society</i> , Nanyang Technological University and IEEE Industrial Electronics Society, Virtual, Singapore, 19-21 October 2020, pp 4691-4696, (ISBN: 9781728154145).
<b>ZHU Yihao</b>	# <u>ZHU Yihao</u> , <u>HO Tsz Chung</u> , <u>TSO Chi Yan</u> , "Study of Jumping Droplets with Electrostatic Effects on Biphilic Surfaces for Thermal Energy Storage Systems", <i>5-6th Thermal and Fluids Engineering Conference (TFEC)</i> , Virtual, New Orleans, United States, 26-28 May 2021, pp 529-538, (ISBN: 9781567005172).
<b>Patents, agreements, assignments and companies</b>	
<b>BAI Shengxi</b>	# <u>CHEN Siru</u> , <u>TSO Chi Yan</u> , # <u>LIN Kaixin</u> , # <u>BAI Shengxi</u> , <u>CHAO Luke Christopher</u> , <u>LEE Hau Him</u> , <u>HO Tsz Chung</u> , A Low-Cost High Performance Passive Radiative Cooling Paint, Patent No.: Hong Kong Short-term Patent Application, Ref. NO.: SF-HKS01056, 24 Dec 2020., 2021.
<b>CHEN Siru</b>	# <u>CHEN Siru</u> , <u>TSO Chi Yan</u> , # <u>LIN Kaixin</u> , # <u>BAI Shengxi</u> , <u>CHAO Luke Christopher</u> , <u>LEE Hau Him</u> , <u>HO Tsz Chung</u> , A Low-Cost High Performance Passive Radiative Cooling Paint, Patent No.: Hong Kong Short-term Patent Application, Ref. NO.: SF-HKS01056, 24 Dec 2020., 2021.
<b>HATHI Zubeen Jyotiwanan</b>	<u>LIN Sze Ki Carol</u> , <u>DUTTA Naba Kumar</u> , <u>METTU Srinivas</u> , <u>METTU Srinivas</u> , # <u>HATHI Zubeen Jyotiwanan</u> , Single Vessel Multi-Zone Bioreactor for Simultaneous Culture of Multiple Microbial Strains, Patent No.: 2021900939, 30 March 2021.
<b>LIN Kaixin</b>	# <u>CHEN Siru</u> , <u>TSO Chi Yan</u> , # <u>LIN Kaixin</u> , # <u>BAI Shengxi</u> , <u>CHAO Luke Christopher</u> , <u>LEE Hau Him</u> , <u>HO Tsz Chung</u> , A Low-Cost High Performance Passive Radiative Cooling Paint, Patent No.: Hong Kong Short-term Patent Application, Ref. NO.: SF-HKS01056, 24 Dec 2020., 2021.
<b>All other outputs</b>	

Section A: Publications of PhD Students

<p><b>CHEN Siru</b></p>	<p><u>DU Yuwei</u>, #CHEN Siru, CHAO Luke Christopher, #LIN Kaixin, LEE Hau Him, HO Tsz Chung, LEUNG Kwok Hi Michael, TSO Chi Yan, "An Energy-free and Low-cost Daytime Passive Radiative Cooling Paint for Energy Saving in Buildings and Decarbonization", Air-conditioning consumes over 30% of the energy used in buildings in Hong Kong, driving peak electricity demand. Compressors of traditional air-conditioning systems consume enormous amounts of energy and the usage of refrigerants is a major cause of ozone layer depletion, contributing to global warming. Therefore, an energy-saving and environmentally friendly cooling technology is urgently needed to reduce the energy for space cooling, and in the long term, mitigate climate change. In this study, an energy-free and low-cost polymer-based daytime passive radiative cooling paint (DPRCP) with a promising cooling performance and wide applicability has been developed, that effectively reflects the sunlight and dissipates the heat to the cold universe (~ -270 °C). The DPRCP, consisting of a unique porous structure with 48% porosity, has been fabricated using a novel wet phase separation method. Excellent optical performance with 96% solar reflectivity (0.25-2.5 μm) and 95% mid-infrared (8-13 μm) thermal emissivity are achieved. A small-scale prototype field test revealed that the DPRCP can reduce the ambient air temperature by about 4 °C and 6 °C during the daytime and at night, respectively, corresponding to a cooling power of about 81 W/m<sup>2</sup> and 84 W/m<sup>2</sup>. A scale-up demonstration was also conducted on a rooftop of a real building in Tung Chung, showing a remarkable reduction in the roof surface temperature of about 15 oC under direct sunlight has been achieved compared to the roof without the DPRCP coating. Last, an EnergyPlus simulation further proved that the DPRCP could save around 8% of cooling energy when applied on the one-story building roof. These results strongly demonstrate the potential and capability to perform as an effective and promising passive cooling strategy for buildings and broader applications in various fields., Hong Kong, 2021.</p>
<p><b>DING Zhixiong</b></p>	<p>#DING Zhixiong, #YU Xiaojun, MA Zhenxi, WU Wei, ZHANG Lin, YU Yau Wai Denis, CHENG Don H.K. , Certificate of Merit, The Hong Kong Institution of Engineers (HKIE), 2021.</p>
<p><b>KHANZADA Noman Khalid</b></p>	<p>#KHANZADA Noman Khalid, <i>Nanomaterials Functionalized Reverse Osmosis Membranes: Combating Fouling and Selectivity Challenges</i>, PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 11 June 2021.</p>
<p><b>LIN Kaixin</b></p>	<p><u>DU Yuwei</u>, #CHEN Siru, CHAO Luke Christopher, #LIN Kaixin, LEE Hau Him, HO Tsz Chung, LEUNG Kwok Hi Michael, TSO Chi Yan, "An Energy-free and Low-cost Daytime Passive Radiative Cooling Paint for Energy Saving in Buildings and Decarbonization", Air-conditioning consumes over 30% of the energy used in buildings in Hong Kong, driving peak electricity demand. Compressors of traditional air-conditioning systems consume enormous amounts of energy and the usage of refrigerants is a major cause of ozone layer depletion, contributing to global warming. Therefore, an energy-saving and environmentally friendly cooling technology is urgently needed to reduce the energy for space cooling, and in the long term, mitigate climate change. In this study, an energy-free and low-cost polymer-based daytime passive radiative cooling paint (DPRCP) with a promising cooling performance and wide applicability has been developed, that effectively reflects the sunlight and dissipates the heat to the cold universe (~ -270 °C). The DPRCP, consisting of a unique porous structure with 48% porosity, has been fabricated using a novel wet phase separation method. Excellent optical performance with 96% solar reflectivity (0.25-2.5 μm) and 95% mid-infrared (8-13 μm) thermal emissivity are achieved. A small-scale prototype field test revealed that the DPRCP can reduce the ambient air temperature by about 4 °C and 6 °C during the daytime and at night, respectively, corresponding to a cooling power of about 81 W/m<sup>2</sup> and 84 W/m<sup>2</sup>. A scale-up demonstration was also conducted on a rooftop of a real building in Tung Chung, showing a remarkable reduction in the roof surface temperature of about 15 oC under direct sunlight has been achieved compared to the roof without the DPRCP coating. Last, an EnergyPlus simulation further proved that the DPRCP could save around 8% of cooling energy when applied on the one-story building roof. These results strongly demonstrate the potential and capability to perform as an effective and promising passive cooling strategy for buildings and broader applications in various fields., Hong Kong, 2021.</p>
<p><b>LIU Jin</b></p>	<p>#LIU Jin, <i>Non-Precious-Metal Carbon-Based Nanomaterials for Oxygen Electrocatalysis</i>, PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 29 December 2020.</p>



Section A: Publications of PhD Students

<b>LIU Rugeng</b>	# <a href="#">LIU Rugeng</a> , <i>Photophysics and Photoelectrochemistry of Perovskite Semiconductors for Optoelectronic Applications</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 06 August 2020.
<b>ROY Shimul</b>	# <a href="#">ROY Shimul</a> , <i>Prospects for Emission Reduction in Vietnam Projected through a Bottom-Up Emission Inventory Approach</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 18 January 2021.
<b>SAJJAD Muhammad</b>	# <a href="#">SAJJAD Muhammad</a> , <i>Risk-Resilience-Sustainability Nexus: A Natural Hazards Perspective</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 03 August 2020.
<b>SHANG Shanshan</b>	# <a href="#">SHANG Shanshan</a> , <i>Porphyrim-Based Metal-Organic Frameworks as Adsorbents for Ambient Temperature Nitrogen Dioxide Removal</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 15 June 2021.
<b>SHANG Wentao</b>	# <a href="#">SHANG Wentao</a> , <i>Study on the Nanofiltration Membrane with Surface Patterns and Its Antifouling Mechanism</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 21 April 2021.
<b>SHENG Weili</b>	# <a href="#">SHENG Weili</a> , <i>Multi-Dimensional Evaluation of Building Energy Performance: Analyses Based on Techno-Economic Models</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 05 August 2020.
<b>SU Bizhe</b>	# <a href="#">SU Bizhe</a> , <i>Study on Novel Cathode Materials Involving Anionic Redox Reactions with High Capacity for Rechargeable Ion Batteries</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 11 January 2021.
<b>SUN Mingzhe</b>	# <a href="#">SUN Mingzhe</a> , <i>Ambient NO<sub>2</sub> Removal by Transition Metal Ion-Exchanged Small-Pore Zeolites</i> , PhD Thesis, School of Energy and Environment, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 01 September 2020.
<b>VILLADA ARTEAGA Juan Camilo</b>	# <a href="#">VILLADA ARTEAGA Juan Camilo</a> , <i>Genomics Basis for Molecular and Metabolic Resource Allocation Strategies in Methanotrophic Bacteria</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 14 January 2021.
<b>WANG Huimin</b>	# <a href="#">WANG Huimin</a> , <i>Development of Advanced Metal-Based Energy Storage Systems</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 20 August 2020.
<b>WANG Yao</b>	# <a href="#">WANG Yao</a> , <i>Designing Electrolytes for High Voltage Dual-Ion Batteries</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 09 June 2021.
<b>WU Yinghong</b>	# <a href="#">WU Yinghong</a> , <i>Spacer-free High-output Human Body Kinetic Energy Harvester</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 14 July 2020.
<b>XIAO Yang</b>	# <a href="#">XIAO Yang</a> , <i>Advanced Charging Technologies for Electric Vehicles</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 25 August 2020.
<b>YIM Man Wai</b>	# <a href="#">YIM Man Wai</a> , <i>Fabrication of Green Superhydrophobic Membranes for Membrane Distillation and Oil/ Water Separation</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 18 January 2021.
<b>YU Jincheng</b>	# <a href="#">YU Jincheng</a> , <i>Design, Analysis, Control and Application of Double-Stator Permanent-Magnet Brushless Machines</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 14 August 2020.
<b>YU Xiaojun</b>	# <a href="#">YU Xiaojun</a> , <i>Essays on Energy and Environmental Economics: New Evidence from Political-Economic Analysis</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 14 May 2021. # <a href="#">DING Zhixiong</a> , # <a href="#">YU Xiaojun</a> , # <a href="#">MA Zhenxi</a> , # <a href="#">WU Wei</a> , # <a href="#">ZHANG Lin</a> , # <a href="#">YU Yau Wai Denis</a> , # <a href="#">CHENG Don H.K.</a> , Certificate of Merit, The Hong Kong Institution of Engineers (HKIE), 2021.
<b>ZHANG Weihai</b>	# <a href="#">ZHANG Weihai</a> , <i>New Approaches toward Stable Perovskite Solar Cells</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 14 January 2021.
<b>ZHANG Yizhen</b>	# <a href="#">ZHANG Yizhen</a> , <i>Molybdenum-Based Catalysts for Electrochemical Nitrogen Reduction to Ammonia under Ambient Conditions</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 30 September 2020.
<b>ZHAO Hang</b>	# <a href="#">ZHAO Hang</a> , <i>Design, Modeling, Optimization and Application of Permanent-Magnet Harmonic Electric Machines</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 06 January 2021.

Section A: Publications of PhD Students

<b>ZHOU Wenchong</b>	#ZHOU Wenchong, <i>Theoretical Study of Electrode and Electrolyte Materials in Graphite-Based Dual-Ion Batteries</i> , PhD Thesis, School of Energy and Environment, City University of Hong Kong, Hong Kong, PRC, 13 January 2021.
<b>SCHOOL OF LAW</b>	
<b>Journal publications</b>	
<b>ADEKOLA Tolulope Anthony</b>	#ADEKOLA Tolulope Anthony, 徐闻海, "中美贸易战与世界贸易组织的争端解决机制", <i>国外社会科学前沿</i> , (12), December 2020, pp 86-93. #ADEKOLA Tolulope Anthony, "Should COVID-19 treatment be patented? Rethinking the theoretical justification for the grant of pharmaceutical patent", <i>European Intellectual Property Review</i> , 42(11), 20 November 2020, pp 695-697.
<b>NGUYEN Thi Phuong</b>	#NGUYEN Thi Phuong, "Religion, Law, State, and COVID-19 in Vietnam", <i>Journal of Law, Religion and State</i> , 8(2-3), 26 September 2020, pp 284-297, doi: <a href="https://doi.org/10.1163/22124810-2020010">https://doi.org/10.1163/22124810-2020010</a> .
<b>Conference papers</b>	
<b>XIAO Shanyun</b>	#XIAO Shanyun, "Does Mixed Ownership Reform Really Make a Difference?: Empirical Evidence of Chinese Mixed-Ownership Enterprises ", <i>University of Hong Kong Law Doctoral Colloquium 2020 Inaugural Annual Conference</i> , University of Hong Kong (Zoom), Hong Kong, China, 31-31 August 2020.
<b>All other outputs</b>	
<b>ADEKOLA Tolulope Anthony</b>	#ADEKOLA Tolulope Anthony, Research Fellowship, Max Planck Institute for Innovation and Competition, Germany, Max Planck Institute for innovation and Competition, February 2021.
<b>LI Kege</b>	#LI Kege, <i>Behind the Facade: Policing Power and the Paradox of the 'Perfect Conviction Rate' in China</i> , PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 24 August 2020.
<b>LI Xiaotong</b>	#LI Xiaotong, <i>Chinese Penal Law: A Legal-Historical Overview</i> , PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 19 January 2021.
<b>MEKONNEN Seid Demeke</b>	#MEKONNEN Seid Demeke, <i>Renegotiating Ethiopian Bilateral Investment Treaties in line with the Constitutional Goal of the Right to Sustainable Development</i> , PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 15 January 2021.
<b>ORINA Nabil Mokaya</b>	#ORINA Nabil Mokaya, <i>In the Shadow of International Criminal Justice: The Impact of the International Criminal Court (ICC) on Addressing Atrocity Crimes in Situation Countries: A Case Study of Uganda and Kenya</i> , PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 20 November 2020.
<b>Jockey Club College of Veterinary Medicine and Life Sciences</b>	
<b>DEPARTMENT OF BIOMEDICAL SCIENCES</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>CHEN Yu</b>	#CHEN Yu, ZHOU Xiaoyu, YANG M, "Nanopore Sequencing and Detection of Tumor Mutations", <i>Detection Methods in Precision Medicine</i> , Mengsu Yang, Michael Thompson (eds), Royal Society of Chemistry, ISBN: 978-1-78801-761-9,978-1-78801-996-5, 14 December 2020, pp 137-152. #ZHU Zhongxu, #HAN Guiyuan, #HUANG Hao, #HE Lingli, #CHEN Yu, KE Jia, GAO Feng, VERMEULEN Louis, WANG Xin, "Genome-wide Discovery of MicroRNA Biomarkers for Cancer Precision Medicine", <i>Detection Methods in Precision Medicine</i> , Thompson Michael and Yang Mengsu (eds), Royal Society of Chemistry, ISBN: 978-1-78801-761-9,978-1-78801-996-5, 14 December 2020, pp 3-34.
<b>DOTSE Eunice</b>	#LIM King Hoo, #DOTSE Eunice, CHOW Kwan Ting, "Immunological Detection Methods for Biomarkers", <i>Detection Methods in Precision Medicine</i> , Thompson Michael and Yang Mengsu (eds), Royal Society of Chemistry, ISBN: 978-1-78801-761-9,978-1-78801-996-5, 14 December 2020, pp 223-252.
<b>HAN Guiyuan</b>	#ZHU Zhongxu, #HAN Guiyuan, #HUANG Hao, #HE Lingli, #CHEN Yu, KE Jia, GAO Feng, VERMEULEN Louis, WANG Xin, "Genome-wide Discovery of MicroRNA Biomarkers for Cancer Precision Medicine", <i>Detection Methods in Precision Medicine</i> , Thompson Michael and Yang

## Section A: Publications of PhD Students

	Mengsu (eds), Royal Society of Chemistry, ISBN: 978-1-78801-761-9,978-1-78801-996-5, 14 December 2020, pp 3-34.
<b>HE Lingli</b>	#ZHU Zhongxu, #HAN Guiyuan, #HUANG Hao, #HE Lingli, #CHEN Yu, KE Jia, GAO Feng, VERMEULEN Louis, <u>WANG Xin</u> , "Genome-wide Discovery of MicroRNA Biomarkers for Cancer Precision Medicine", <i>Detection Methods in Precision Medicine</i> , Thompson Michael and Yang Mengsu (eds), Royal Society of Chemistry, ISBN: 978-1-78801-761-9,978-1-78801-996-5, 14 December 2020, pp 3-34.
<b>LIM King Hoo</b>	#LIM King Hoo, #DOTSE Eunice, <u>CHOW Kwan Ting</u> , "Immunological Detection Methods for Biomarkers", <i>Detection Methods in Precision Medicine</i> , Thompson Michael and Yang Mengsu (eds), Royal Society of Chemistry, ISBN: 978-1-78801-761-9,978-1-78801-996-5, 14 December 2020, pp 223-252.
<b>WANG Meijun</b>	<u>WIJANARKO Kevin Julio</u> , #WANG Meijun, <u>CHOW Kwan Ting</u> , "Cell and Immune Therapy", <i>Detection Methods in Precision Medicine</i> , Thompson Michael and Yang Mengsu (eds), Royal Society of Chemistry, ISBN: 978-1-78801-761-9,978-1-78801-995-8,978-1-78801-996-5, 14 December 2020, pp 303-344.
<b>ZHU Zhongxu</b>	#ZHU Zhongxu, #HAN Guiyuan, #HUANG Hao, #HE Lingli, #CHEN Yu, KE Jia, GAO Feng, VERMEULEN Louis, <u>WANG Xin</u> , "Genome-wide Discovery of MicroRNA Biomarkers for Cancer Precision Medicine", <i>Detection Methods in Precision Medicine</i> , Thompson Michael and Yang Mengsu (eds), Royal Society of Chemistry, ISBN: 978-1-78801-761-9,978-1-78801-996-5, 14 December 2020, pp 3-34.
<b>Journal publications</b>	
<b>AL AZAD Muha Ajijur Rahman</b>	<u>WANG Panbing</u> , #AL AZAD Muha Ajijur Rahman, #YANG Xiong, MARTELLIC Paolo R., CHEUNG Kam Yan, <u>SHI Jiahai</u> , <u>SHEN Yajing</u> , "Self-adaptive and efficient propulsion of Ray sperms at different viscosities enabled by heterogeneous dual helices", <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 118(23), 04 June 2021, doi: <a href="https://doi.org/10.1073/pnas.2024329118">https://doi.org/10.1073/pnas.2024329118</a> .
<b>ALAM Md Kowsar</b>	#ILYAS Abdul-mojeed Olabisi, #ALAM Md Kowsar, #MUSAHA Jamal-Deen, #SAW Lin Oo, <u>VENKATESH Shishir</u> , <u>YEUNG Chi Chung</u> , <u>YANG M</u> , VELLAISAMY A. L. Roy, <u>LAU Condon</u> , "Development of a carboxyl-terminated Indium Tin Oxide electrode for improving cell adhesion and facilitating low noise, real-time impedance measurements", <i>American Journal of Physiology - Cell Physiology</i> , 320(6), 10 March 2021, pp C974-C986, doi: <a href="https://doi.org/10.1152/ajpcell.00537.2020">https://doi.org/10.1152/ajpcell.00537.2020</a> .
	SIDDIQUE Md. Abu Bakar, #ALAM Md Kowsar, ISLAM Sayful, DIGANTA Mir Talas Mahammad, AKBOR Md. Ahedul, BITHI Ummey Hafsa, CHOWDHURY Aminul Islam, ULLAH A. K. M. Atique, "Apportionment of some chemical elements in soils around the coal mining area in northern Bangladesh and associated health risk assessment", <i>Environmental Nanotechnology, Monitoring and Management</i> , 14, 05 September 2020, doi: <a href="https://doi.org/10.1016/j.enmm.2020.100366">https://doi.org/10.1016/j.enmm.2020.100366</a> .
	<u>THAKUR Abhimanyu</u> , <u>SIDU Rakesh Kumar</u> , <u>ZOU Heng</u> , #ALAM Md Kowsar, <u>YANG M</u> , <u>LEE Youngjin</u> , "Inhibition of Glioma Cells' Proliferation by Doxorubicin-Loaded Exosomes via Microfluidics", <i>International Journal of Nanomedicine</i> , 15, 28 October 2020, pp 8331–8343, doi: <a href="https://doi.org/10.2147/IJN.S263956">https://doi.org/10.2147/IJN.S263956</a> .
	#ILYAS Abdul-mojeed Olabisi, #ALAM Md Kowsar, #MUSAHA Jamal-Deen, <u>YANG M</u> , <u>LAM Yun Wah</u> , VELLAISAMY A. L. Roy, <u>LAU Condon</u> , "Investigation on the Direct and Bystander Effects in HeLa Cells Exposed to Very Low $\alpha$ -Radiation Using Electrical Impedance Measurement", <i>ACS Omega</i> , 6(22), 26 May 2021, pp 13995–14003, doi: <a href="https://doi.org/10.1021/acsomega.0c05888">https://doi.org/10.1021/acsomega.0c05888</a> .
	#ILYAS Abdul-mojeed Olabisi, #ALAM Md Kowsar, #MUSAHA Jamal-Deen, <u>YANG M</u> , VELLAISAMY A. L. Roy, <u>LAM Yun Wah</u> , <u>LAU Condon</u> , "CHO cell dysfunction due to radiation-induced bystander signals observed by real-time electrical impedance measurement", <i>Biosensors and Bioelectronics</i> , 181, 05 March 2021, doi: <a href="https://doi.org/10.1016/j.bios.2021.113142">https://doi.org/10.1016/j.bios.2021.113142</a> .
<b>AU-YEUNG Allan Sung King</b>	HOROWITZ Lisa F., RODRIGUEZ Adan D., #AU-YEUNG Allan Sung King, BISHOP Kevin W., BARNER Lindsey A., MISHRA Gargi, RAMAN Aashik, DELGADO Priscilla, LIU Jonathan T. C., GUJRAL Taranjit S., MEHRABI Mehdi, <u>YANG M</u> , PIERCE Robert H., FOLCH Albert,

Section A: Publications of PhD Students

	"Microdissected "cuboids" for microfluidic drug testing of intact tissues", <i>Lab on a Chip</i> , 21(1), 11 November 2020, pp 122-142, doi: <a href="https://doi.org/10.1039/D0LC00801J">https://doi.org/10.1039/D0LC00801J</a> .
<b>BAO Yufan</b>	ZHOU Peng, CHAN Becky K. C., WAN Yuk Kei, YUEN Chaya T. L., CHOI Gigi C. G., LI Xinran, TONG Cindy S.W., ZHONG Sophia S.W., SUN Jieran, # <a href="#">BAO Yufan</a> , MAK Silvia Y.L., CHOW Maggie Z.Y., KHAW Jien Vei, LEUNG Suet Yi, <a href="#">ZHENG Zongli</a> , CHEUNG Lydia W.T., TAN Kaeling, WONG Koon Ho, CHAN H.Y. Edwin, WONG Alan S. L., "A Three-Way Combinatorial CRISPR Screen for Analyzing Interactions among Druggable Targets", <i>Cell Reports</i> , 32(6), 11 August 2020, doi: <a href="https://doi.org/10.1016/j.celrep.2020.108020">https://doi.org/10.1016/j.celrep.2020.108020</a> .
<b>BUI Thi Van Anh</b>	# <a href="#">BUI Thi Van Anh</a> , HWANG Ji Won, <a href="#">LEE Jung-hoon</a> , PARK Hun-Jun, <a href="#">BAN Kiwon</a> , "Challenges and Limitations of Strategies to Promote Therapeutic Potential of Human Mesenchymal Stem Cells for Cell-Based Cardiac Repair", <i>Korean Circulation Journal</i> , 51(2), 08 January 2021, pp 97-113, doi: <a href="https://doi.org/10.4070/KCJ.2020.0518">https://doi.org/10.4070/KCJ.2020.0518</a> .
<b>CAO Chunyan</b>	# <a href="#">CAO Chunyan</a> , DONG Huilong, LIANG Fanghua, ZHANG Yu, ZHANG Wei, WANG Hailou, SHAO Huaiyu, LIU Hongchao, DONG Kai, TANG Yuxin, LAI Yuekun, GE Mingzheng, "Interfacial reinforcement structure design towards ultrastable lithium storage in MoS <sub>2</sub> -based composited electrode", <i>Chemical Engineering Journal</i> , 416, 22 February 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.129094">https://doi.org/10.1016/j.cej.2021.129094</a> . # <a href="#">HOU Changshun</a> , <a href="#">XU Chen</a> , # <a href="#">YI Bo</a> , # <a href="#">HUANG Xin</a> , # <a href="#">CAO Chunyan</a> , <a href="#">LEE Youngjin</a> , <a href="#">CHEN Sheng</a> , <a href="#">YAO Xi</a> , "Mechano-Induced Assembly of a Nanocomposite for "Press-N-Go" Coatings with Highly Efficient Surface Disinfection", <i>ACS Applied Materials and Interfaces</i> , 13(16), 19 April 2021, pp 19332–19341, doi: <a href="https://doi.org/10.1021/acsami.1c03156">https://doi.org/10.1021/acsami.1c03156</a> .
<b>CAO Yi</b>	# <a href="#">QI Lin</a> , KE Jia, YU Zhaoliang, # <a href="#">CAO Yi</a> , # <a href="#">LAI Yuni</a> , CHEN Yufeng, GAO Feng, <a href="#">WANG Xin</a> , "Identification of prognostic spatial organization features in colorectal cancer microenvironment using deep learning on histopathology images", <i>Medicine in Omics</i> , 11 February 2021, doi: <a href="https://doi.org/10.1016/j.meomic.2021.100008">https://doi.org/10.1016/j.meomic.2021.100008</a> .
<b>CHAN Yu Suen</b>	# <a href="#">HUANG Xin</a> , # <a href="#">TIAN Li</a> , # <a href="#">WANG Zhaoyue</a> , # <a href="#">ZHANG Jianqiang</a> , # <a href="#">CHAN Yu Suen</a> , <a href="#">CHENG Shuk Han</a> , <a href="#">YAO Xi</a> , "Bioinspired Robust All-Aqueous Droplet via Diffusion-Controlled Interfacial Coacervation", <i>Advanced Functional Materials</i> , 30(49), 09 September 2020, doi: <a href="https://doi.org/10.1002/adfm.202004166">https://doi.org/10.1002/adfm.202004166</a> . TAN Lirong, CHENG Min, AU YEUNG Gigi Chi Ting, # <a href="#">CHAN Yu Suen</a> , CHEN Xueping, "Mechanistic action of the acute toxicity of Bajitian ( <i>Morinda officinalis</i> ) in zebrafish embryos", <i>Journal of Traditional Chinese Medical Sciences</i> , 7(3), 29 July 2020, pp 308-315, doi: <a href="https://doi.org/10.1016/j.jtcms.2020.07.001">https://doi.org/10.1016/j.jtcms.2020.07.001</a> .
<b>CHEN Huan</b>	# <a href="#">PHAM Chanh Tin</a> , # <a href="#">JAYASINGHE Migara Kavishka</a> , # <a href="#">PHAM Tuan Thach</a> , <a href="#">YANG Yuqi</a> , # <a href="#">WEI Likun</a> , <a href="#">WAQAS Muhammad</a> , # <a href="#">CHEN Huan</a> , <a href="#">PIRISINU Marco</a> , # <a href="#">GONG Jinhua</a> , <a href="#">KIM Seongkyeol</a> , <a href="#">PENG Boya</a> , # <a href="#">WANG Weixi</a> , CHAN Charlene, MA Victor, NGUYEN Nhung T.H. , <a href="#">KAPPEI Dennis</a> , <a href="#">NGUYEN Xuan-Hung</a> , <a href="#">CHO William C.</a> , <a href="#">SHI Jiahai</a> , <a href="#">LE Minh T.N.</a> , "Covalent conjugation of extracellular vesicles with peptides and nanobodies for targeted therapeutic delivery", <i>Journal of Extracellular Vesicles</i> , 10(4), 16 February 2021, doi: <a href="https://doi.org/10.1002/jev2.12057">https://doi.org/10.1002/jev2.12057</a> .
<b>CHEN Yu</b>	# <a href="#">CHEN Yu</a> , # <a href="#">WU Tan</a> , # <a href="#">ZHU Zhongxu</a> , # <a href="#">HUANG Hao</a> , <a href="#">ZHANG Liang</a> , <a href="#">GOEL Ajay</a> , <a href="#">YANG M</a> , <a href="#">WANG Xin</a> , "An integrated workflow for biomarker development using microRNAs in extracellular vesicles for cancer precision medicine", <i>Seminars in Cancer Biology</i> , 22 March 2021, doi: <a href="https://doi.org/10.1016/j.semcancer.2021.03.011">https://doi.org/10.1016/j.semcancer.2021.03.011</a> .
<b>CHOI Ming Ho</b>	# <a href="#">HUANG Suihong</a> , # <a href="#">CHOI Ming Ho</a> , # <a href="#">HUANG Hao</a> , <a href="#">WANG Xin</a> , # <a href="#">CHANG Yu Chen</a> , <a href="#">KIM Jin Young</a> , "Demyelination Regulates the Circadian Transcription Factor BMAL1 to Signal Adult Neural Stem Cells to Initiate Oligodendrogenesis", <i>Cell Reports</i> , 33(7), 17 November 2020, doi: <a href="https://doi.org/10.1016/j.celrep.2020.108394">https://doi.org/10.1016/j.celrep.2020.108394</a> . # <a href="#">HUANG Suihong</a> , # <a href="#">LU Qingqing</a> , # <a href="#">CHOI Ming Ho</a> , # <a href="#">ZHANG Xuebing</a> , <a href="#">KIM Jin Young</a> , "Applying real-time monitoring of circadian oscillations in adult mouse brain slices to study communications between brain regions", <i>STAR Protocols</i> , 2(2), 31 March 2021, doi: <a href="https://doi.org/10.1016/j.xpro.2021.100416">https://doi.org/10.1016/j.xpro.2021.100416</a> .
<b>DANG Minyan</b>	<a href="#">XU Jiankang</a> , <a href="#">LIU Hao</a> , <a href="#">ZHENG Rui</a> , # <a href="#">DANG Minyan</a> , <a href="#">SHAO Yongfeng</a> , <a href="#">DU Junjie</a> , "MiR-15a regulates bicuspid aortic valve calcification via TGF- $\beta$ signaling pathway via inhibiting Smad7", <i>Journal of King Saud University - Science</i> , 33(2), 15 December 2020, doi: <a href="https://doi.org/10.1016/j.jksus.2020.101278">https://doi.org/10.1016/j.jksus.2020.101278</a> .

Section A: Publications of PhD Students

<b>DELLISANTI Walter</b>	#DELLISANTI Walter, <u>CHUNG Tzu Hao Jeffery</u> , <u>CHOW Fuk Yat Cher</u> , <u>WU Jiajun</u> , <u>WELLS Mark L.</u> , <u>CHAN Lai Leo</u> , "Experimental Techniques to Assess Coral Physiology <i>in situ</i> Under Global and Local Stressors: Current Approaches and Novel Insights", <i>Frontiers in Physiology</i> , 12, 07 June 2021, doi: <a href="https://doi.org/10.3389/fphys.2021.656562">https://doi.org/10.3389/fphys.2021.656562</a> .
	YEUNG Yip Hung, XIE James Y., KWOK Chun Kit, KEI Keith, ANG Put , <u>CHAN Lai Leo</u> , #DELLISANTI Walter, CHEANG Chi Chiu, CHOW Wing-kuen, QIU Jian-Wen, "Hong Kong's subtropical scleractinian coral communities: Baseline, environmental drivers and management implications", <i>Marine Pollution Bulletin</i> , 167, 25 March 2021, doi: <a href="https://doi.org/10.1016/j.marpolbul.2021.112289">https://doi.org/10.1016/j.marpolbul.2021.112289</a> .
	#DELLISANTI Walter, TSANG Ryan H. L., ANG Put , <u>WU Jiajun</u> , <u>WELLS Mark L.</u> , <u>CHAN Lai Leo</u> , "A Diver-Portable Respirometry System for <i>in-situ</i> Short-Term Measurements of Coral Metabolic Health and Rates of Calcification", <i>Frontiers in Marine Science</i> , 7, 12 November 2020, doi: <a href="https://doi.org/10.3389/fmars.2020.571451">https://doi.org/10.3389/fmars.2020.571451</a> .
	#MA Haiying, #LIAO Herui, #DELLISANTI Walter, SUN Yanni, <u>CHAN Lai Leo</u> , <u>ZHANG Liang</u> , "Characterizing the Host Coral Proteome of <i>Platygyra carnosa</i> Using Suspension Trapping (S-Trap)", <i>Journal of Proteome Research</i> , 20(3), 25 February 2021, pp 1783–1791, doi: <a href="https://doi.org/10.1021/acs.jproteome.0c00812">https://doi.org/10.1021/acs.jproteome.0c00812</a> .
	#DELLISANTI Walter, <u>CHUNG Tzu Hao Jeffery</u> , <u>CHOW Fuk Yat Cher</u> , <u>WU Jiajun</u> , <u>WELLS Mark</u> , <u>CHAN Lai Leo</u> , "Experimental Techniques to Assess Coral Physiology In Situ: Current Approaches and Novel Insights", <i>Preprints</i> , 28 December 2020, doi: <a href="https://doi.org/10.20944/preprints202011.0228.v1">https://doi.org/10.20944/preprints202011.0228.v1</a> .
<b>DING Yiqing</b>	<u>SHAO Xiaolong</u> , #XIE Yingpeng, <u>ZHANG Yingchao</u> , #LIU Jingui, #DING Yiqing, WU Min, <u>WANG Xin</u> , <u>DENG Xin</u> , "Novel therapeutic strategies for treating <i>Pseudomonas aeruginosa</i> infection", <i>Expert Opinion on Drug Discovery</i> , 15(12), 03 September 2020, pp 1403-1423 , doi: <a href="https://doi.org/10.1080/17460441.2020.1803274">https://doi.org/10.1080/17460441.2020.1803274</a> .
	<u>SHAO Xiaolong</u> , #TAN Miaomiao, #XIE Yingpeng, #YAO Chunyan, #WANG Tingting, #HUANG Hao, <u>ZHANG Yingchao</u> , #DING Yiqing, #LIU Jingui, #HAN Liangliang, #HUA Canfeng, <u>WANG Xin</u> , <u>DENG Xin</u> , "Integrated regulatory network in <i>Pseudomonas syringae</i> reveals dynamics of virulence", <i>Cell Reports</i> , 34(13), 30 March 2021, doi: <a href="https://doi.org/10.1016/j.celrep.2021.108920">https://doi.org/10.1016/j.celrep.2021.108920</a> .
<b>FENG Zhuoying</b>	#FENG Zhuoying, #ZHOU Fanghang, #TAN Miaomiao, #WANG Tingting, <u>CHEN Ying</u> , XU Wenwen, LI Bin, <u>WANG Xin</u> , <u>DENG Xin</u> , <u>HE Mingliang</u> , "Targeting m6A modification inhibits herpes virus 1 infection", <i>Genes and Diseases</i> , 22 February 2021, doi: <a href="https://doi.org/10.1016/j.gendis.2021.02.004">https://doi.org/10.1016/j.gendis.2021.02.004</a> .
<b>GONG Jinhua</b>	#VU Tien Luyen, #GONG Jinhua, #PHAM Tuan Thach, #KIM Yeokyeong, <u>LE Thi Nguyet Minh</u> , "microRNA exchange via extracellular vesicles in cancer", <i>Cell Proliferation</i> , 53(11), 06 October 2020, doi: <a href="https://doi.org/10.1111/cpr.12877">https://doi.org/10.1111/cpr.12877</a> .
	#PHAM Chanh Tin, #JAYASINGHE Migara Kavishka, #PHAM Tuan Thach, <u>YANG Yuqi</u> , #WEI Likun, <u>WAQAS Muhammad</u> , #CHEN Huan, <u>PIRISINU Marco</u> , #GONG Jinhua, KIM Seongkyeol, PENG Boya, #WANG Weixi, CHAN Charlene, MA Victor, NGUYEN Nhung T.H. , KAPPEI Dennis, NGUYEN Xuan-Hung, CHO William C., <u>SHI Jiahai</u> , <u>LE Minh T.N.</u> , "Covalent conjugation of extracellular vesicles with peptides and nanobodies for targeted therapeutic delivery", <i>Journal of Extracellular Vesicles</i> , 10(4), 16 February 2021, doi: <a href="https://doi.org/10.1002/jev2.12057">https://doi.org/10.1002/jev2.12057</a> .
<b>GUNAWAN Renardi</b>	<u>LI Hualin</u> , <u>LIU Peng</u> , #GUNAWAN Renardi, #SIMENEH Zemenu Mengistie, #LIANG Chen, <u>YAO Xi</u> , <u>YANG M</u> , "Magnetothermal Miniature Reactors Based on Fe <sub>3</sub> O <sub>4</sub> Nanocube-Coated Liquid Marbles", <i>Advanced Healthcare Materials</i> , 10(6), 20 January 2021, doi: <a href="https://doi.org/10.1002/adhm.202001658">https://doi.org/10.1002/adhm.202001658</a> .
<b>GUO Xuejiao</b>	#GUO Xuejiao, JIN Honglin, <u>LO Pui Chi</u> , "Encapsulating an acid-activatable phthalocyanine–doxorubicin conjugate and the hypoxia-sensitive tirapazamine in polymeric micelles for multimodal cancer therapy", <i>Biomaterials Science</i> , 9(14), 28 May 2021, pp 4936-4951, doi: <a href="https://doi.org/10.1039/d1bm00443c">https://doi.org/10.1039/d1bm00443c</a> .
<b>HAN Liangliang</b>	<u>SHAO Xiaolong</u> , #TAN Miaomiao, #XIE Yingpeng, #YAO Chunyan, #WANG Tingting, #HUANG Hao, <u>ZHANG Yingchao</u> , #DING Yiqing, #LIU Jingui, #HAN Liangliang, #HUA Canfeng, <u>WANG Xin</u> , <u>DENG Xin</u> , "Integrated regulatory network in <i>Pseudomonas syringae</i> reveals dynamics of

## Section A: Publications of PhD Students

	virulence", <i>Cell Reports</i> , 34(13), 30 March 2021, doi: <a href="https://doi.org/10.1016/j.celrep.2021.108920">https://doi.org/10.1016/j.celrep.2021.108920</a> .
<b>HE Qian</b>	# <a href="#">HE Qian</a> , FAN Beifang, XIE Bo, LIAO Yuhua, HAN Xue, CHEN Yan, LI Lingjiang, IACOBUCCI Michelle, LEE Yena, LUI Leanna M.W., LU Lan, GUO Ciyong, MCINTYRE Roger S., "Mental health conditions among the general population, healthcare workers and quarantined population during the coronavirus disease 2019 (COVID-19) pandemic", <i>Psychology, Health and Medicine</i> , 30 December 2020, doi: <a href="https://doi.org/10.1080/13548506.2020.1867320">https://doi.org/10.1080/13548506.2020.1867320</a> .
<b>HOSSAIN Md Pear</b>	OMAR M. Hafidz , ARAFAT Sheikh Y, # <a href="#">HOSSAIN Md Pear</a> , RIAZ muhammad Kashif, "Inverse Maxwell Distribution and Statistical Process Control: An Efficient Approach for Monitoring Positively Skewed Process", <i>Symmetry</i> , 13(2), 25 January 2021, pp 1-22, doi: <a href="https://doi.org/10.3390/sym13020189">https://doi.org/10.3390/sym13020189</a> .
<b>HU Jianyang</b>	SUN Haiyan, OU Tong, # <a href="#">HU Jianyang</a> , YANG Ziyi, LEI Qifang, LI Yuqing, WANG Gang, LI Yongpeng, WU Kai, WANG Shupeng, WU Song, "Nitazoxanide impairs mitophagy flux through ROS-mediated mitophagy initiation and lysosomal dysfunction in bladder cancer", <i>Biochemical Pharmacology</i> , 190, 04 May 2021, doi: <a href="https://doi.org/10.1016/j.bcp.2021.114588">https://doi.org/10.1016/j.bcp.2021.114588</a> .
<b>HUA Canfeng</b>	# <a href="#">WANG Tingting</a> , SUN Wenju, <a href="#">FAN Ligang</a> , # <a href="#">HUA Canfeng</a> , WU Nan, FAN Shaorong, ZHANG Jilin, <a href="#">DENG Xin</a> , <a href="#">YAN Jian</a> , "An atlas of the binding specificities of transcription factors in <i>Pseudomonas aeruginosa</i> directs prediction of novel regulators in virulence", <i>eLife</i> , 10, 29 March 2021, doi: <a href="https://doi.org/10.7554/eLife.61885">https://doi.org/10.7554/eLife.61885</a> , <a href="https://doi.org/10.7554/eLife.61885">https://doi.org/10.7554/eLife.61885</a> . # <a href="#">SHAO Xiaolong</a> , # <a href="#">TAN Miaomiao</a> , # <a href="#">XIE Yingpeng</a> , # <a href="#">YAO Chunyan</a> , # <a href="#">WANG Tingting</a> , # <a href="#">HUANG Hao</a> , # <a href="#">ZHANG Yingchao</a> , # <a href="#">DING Yiqing</a> , # <a href="#">LIU Jingui</a> , # <a href="#">HAN Liangliang</a> , # <a href="#">HUA Canfeng</a> , WANG Xin, <a href="#">DENG Xin</a> , "Integrated regulatory network in <i>Pseudomonas syringae</i> reveals dynamics of virulence", <i>Cell Reports</i> , 34(13), 30 March 2021, doi: <a href="https://doi.org/10.1016/j.celrep.2021.108920">https://doi.org/10.1016/j.celrep.2021.108920</a> . <a href="#">FAN Ligang</a> , # <a href="#">WANG Tingting</a> , # <a href="#">HUA Canfeng</a> , SUN Wenju, LI Xiaoyu, GRUNWALD Lucas, # <a href="#">LIU Jingui</a> , WU Nan, # <a href="#">SHAO Xiaolong</a> , YIN Yimeng, <a href="#">YAN Jian</a> , <a href="#">DENG Xin</a> , "A compendium of DNA-binding specificities of transcription factors in <i>Pseudomonas syringae</i> ", <i>Nature Communications</i> , 11, 02 October 2020, doi: <a href="https://doi.org/10.1038/s41467-020-18744-7">https://doi.org/10.1038/s41467-020-18744-7</a> .
<b>HUANG Lihong</b>	# <a href="#">HUANG Lihong</a> , <a href="#">FU Qiang</a> , DAI Jia-Meng, YAN Bing-Chao, # <a href="#">WANG Dawei</a> , PUNO Pema-Tenzin, <a href="#">YUE Jianbo</a> , "High-content screening of diterpenoids from <i>Isodon</i> species as autophagy modulators and the functional study of their antiviral activities", <i>Cell Biology and Toxicology</i> , 23 January 2021, doi: <a href="https://doi.org/10.1007/s10565-021-09580-6">https://doi.org/10.1007/s10565-021-09580-6</a> . # <a href="#">HUANG Lihong</a> , LI Huanan, # <a href="#">YE Zuodong</a> , XU Qiang, <a href="#">FU Qiang</a> , # <a href="#">SUN Wei</a> , QI Wenbao, <a href="#">YUE Jianbo</a> , "Berbamine inhibits Japanese encephalitis virus (JEV) infection by compromising TPRMLs-mediated endolysosomal trafficking of low-density lipoprotein receptor (LDLR)", <i>Emerging Microbes and Infections</i> , 10(1), 26 June 2021, pp 1257-1271, doi: <a href="https://doi.org/10.1080/22221751.2021.1941276">https://doi.org/10.1080/22221751.2021.1941276</a> . XU Qiang, # <a href="#">HUANG Lihong</a> , XING Jinchao, ZHANG Jiahao, LI Huanan, LIU Lele, HU Chen, LIAO Ming, <a href="#">YUE Jianbo</a> , QI Wenbao, "Japanese encephalitis virus manipulates lysosomes membrane for RNA replication and utilizes autophagy components for intracellular growth", <i>Veterinary Microbiology</i> , 255, 08 March 2021, doi: <a href="https://doi.org/10.1016/j.vetmic.2021.109025">https://doi.org/10.1016/j.vetmic.2021.109025</a> . LI Huanan, # <a href="#">HUANG Lihong</a> , YU Yuandi, REN Xingxing, LI Bo, ZHANG Jiahao, LIAO Ming, QI Wenbao, "Generation of recombinant influenza virus bearing strep tagged PB2 and effective identification of interactional host factors", <i>Veterinary Microbiology</i> , 254, 13 January 2021, doi: <a href="https://doi.org/10.1016/j.vetmic.2021.108985">https://doi.org/10.1016/j.vetmic.2021.108985</a> .
<b>HUANG Xin</b>	# <a href="#">HUANG Xin</a> , # <a href="#">TIAN Li</a> , # <a href="#">WANG Zhaoyue</a> , # <a href="#">ZHANG Jianqiang</a> , # <a href="#">CHAN Yu Suen</a> , <a href="#">CHENG Shuk Han</a> , <a href="#">YAO Xi</a> , "Bioinspired Robust All-Aqueous Droplet via Diffusion-Controlled Interfacial Coacervation", <i>Advanced Functional Materials</i> , 30(49), 09 September 2020, doi: <a href="https://doi.org/10.1002/adfm.202004166">https://doi.org/10.1002/adfm.202004166</a> . # <a href="#">HOU Changshun</a> , XU Chen, # <a href="#">YI Bo</a> , # <a href="#">HUANG Xin</a> , # <a href="#">CAO Chunyan</a> , LEE Youngjin, CHEN Sheng, <a href="#">YAO Xi</a> , "Mechano-Induced Assembly of a Nanocomposite for "Press-N-Go" Coatings with Highly Efficient Surface Disinfection", <i>ACS Applied Materials and Interfaces</i> , 13(16), 19 April 2021, pp 19332–19341, doi: <a href="https://doi.org/10.1021/acsami.1c03156">https://doi.org/10.1021/acsami.1c03156</a> .

## Section A: Publications of PhD Students

	# <u>YI Bo</u> , <u>WANG Sheng</u> , # <u>HOU Changshun</u> , # <u>HUANG Xin</u> , <u>CUI Jiayi</u> , <u>YAO Xi</u> , "Dynamic siloxane materials: From molecular engineering to emerging applications", <i>Chemical Engineering Journal</i> , 405, 15 September 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.127023">https://doi.org/10.1016/j.cej.2020.127023</a> .
<b>JIANG Hehai</b>	<u>HUANG Yuhua</u> , # <u>JIANG Hehai</u> , <u>ZHENG Qiyu</u> , <u>FOK Albert Hiu Ka</u> , <u>LI Xiaoyang</u> , <u>LAU Chun Yue Geoffrey</u> , <u>LAI Cora Sau Wan</u> , "Environmental enrichment or selective activation of parvalbumin-expressing interneurons ameliorates synaptic and behavioral deficits in animal models with schizophrenia-like behaviors during adolescence", <i>Molecular Psychiatry</i> , 20 January 2021, doi: <a href="https://doi.org/10.1038/s41380-020-01005-w">https://doi.org/10.1038/s41380-020-01005-w</a> .
<b>KANG Evangeline Tze Zhen</b>	# <u>KANG Evangeline Tze Zhen</u> , # <u>ZHU Lina</u> , <u>YANG Du</u> , <u>DING Dongbo</u> , # <u>ZHU Xiaoxuan</u> , # <u>WAN Yi Ching Esther</u> , # <u>LIU Jiaxian</u> , # <u>RAMAKRISHNAN Saravanan</u> , <u>CHAN Landon Long</u> , <u>CHAN Siu Yuen</u> , <u>WANG Xin</u> , <u>GAN Haiyun</u> , <u>HAN Junhong</u> , <u>ISHIBASHI Toyotaka</u> , <u>LI Qing</u> , <u>CHAN Kui Ming</u> , "The elevated transcription of ADAM19 by the oncohistone H2BE76K contributes to oncogenic properties in breast cancer", <i>Journal of Biological Chemistry</i> , 296, 04 February 2021, doi: <a href="https://doi.org/10.1016/j.jbc.2021.100374">https://doi.org/10.1016/j.jbc.2021.100374</a> .
<b>LEE Wai Hin</b>	<u>WU Zhen</u> , <u>YANG Xiaohong</u> , <u>LIN Senjie</u> , # <u>LEE Wai Hin</u> , <u>LAM Kwan Sing Paul</u> , "A <i>Rhizobium</i> bacterium and its population dynamics under different culture conditions of its associated toxic dinoflagellate <i>Gambierdiscus balechii</i> ", <i>Marine Life Science &amp; Technology</i> , 01 June 2021, doi: <a href="https://doi.org/10.1007/s42995-021-00102-1">https://doi.org/10.1007/s42995-021-00102-1</a> .
<b>LI Jingyu</b>	# <u>HUANG Hao</u> , <u>HU Jianyang</u> , # <u>MARYAM Alishba</u> , <u>HUANG Qinghua</u> , # <u>ZHANG Yuchen</u> , # <u>RAMAKRISHNAN Saravanan</u> , # <u>LI Jingyu</u> , # <u>MA Haiying</u> , <u>MA Victor W.S.</u> , <u>CHEUK Wah</u> , <u>SO Grace Y. K.</u> , # <u>WANG Wei</u> , <u>CHO William C.S.</u> , # <u>ZHANG Liang</u> , <u>CHAN Kui Ming</u> , <u>WANG Xin</u> , # <u>CHIN Rebecca Y M</u> , "Defining super-enhancer landscape in triple-negative breast cancer by multiomic profiling", <i>Nature Communications</i> , 12, 14 April 2021, doi: <a href="https://doi.org/10.1038/s41467-021-22445-0">https://doi.org/10.1038/s41467-021-22445-0</a> . # <u>FENG Di</u> , <u>WANG Jin</u> , <u>YANG Wei</u> , # <u>LI Jingyu</u> , <u>LIN Xiaochen</u> , <u>ZHA Fangzi</u> , <u>WANG Xiaolu</u> , <u>MA Luyao</u> , <u>CHOI Nga Ting</u> , <u>MII Yusuke</u> , <u>TAKADA Shinji</u> , <u>HUEN Michael S. Y.</u> , <u>GUO Yusong</u> , # <u>ZHANG Liang</u> , <u>GAO Bo</u> , "Regulation of Wnt/PCP signaling through p97/VCP-KBTBD7-mediated Vangl ubiquitination and endoplasmic reticulum-associated degradation", <i>Science Advances</i> , 7(20), 14 May 2021, doi: <a href="https://doi.org/10.1126/sciadv.abg2099">https://doi.org/10.1126/sciadv.abg2099</a> .
<b>LI Kongyan</b>	# <u>LUO Dan</u> , # <u>LI Kongyan</u> , # <u>AN Hyunjung</u> , # <u>SCHNUPP Jan</u> , # <u>AUKSZTULEWICZ Ryszard</u> , "Learning boosts the decoding of sound sequences in rat auditory cortex", <i>Current Research in Neurobiology</i> , 2, 2021, doi: <a href="https://doi.org/10.1016/j.crneur.2021.100019">https://doi.org/10.1016/j.crneur.2021.100019</a> .
<b>LI Yongxin</b>	# <u>LI Yongxin</u> , <u>SUN Pan</u> , <u>ZHAO Luyang</u> , <u>YAN Xuehai</u> , <u>NG Dennis K. P.</u> , # <u>LO Pui Chi</u> , "Ferric Ion Driven Assembly of Catalase-like Supramolecular Photosensitizing Nanozymes for Combating Hypoxic Tumors", <i>Angewandte Chemie - International Edition</i> , 59(51), 03 September 2020, pp 23228-23238, doi: <a href="https://doi.org/10.1002/anie.202010005">https://doi.org/10.1002/anie.202010005</a> .
<b>LIANG Chen</b>	# <u>LIANG Chen</u> , <u>ZHANG Xinglin</u> , # <u>YANG M</u> , <u>WANG Wenjun</u> , <u>CHEN Peng</u> , <u>DONG Xiaochen</u> , "Remodeling Tumor Microenvironment by Multifunctional Nanoassemblies for Enhanced Photodynamic Cancer Therapy", <i>ACS Materials Letters</i> , 2(10), 24 August 2020, pp 1268-1286, doi: <a href="https://doi.org/10.1021/acsmaterialslett.0c00259">https://doi.org/10.1021/acsmaterialslett.0c00259</a> . # <u>LIANG Chen</u> , <u>ZHANG Xinglin</u> , <u>CHENG Zijin</u> , # <u>YANG M</u> , <u>HUANG Wei</u> , <u>DONG Xiaochen</u> , "Magnetic iron oxide nanomaterials: A key player in cancer nanomedicine", <i>View</i> , 1(3), 21 July 2020, doi: <a href="https://doi.org/10.1002/VIW.20200046">https://doi.org/10.1002/VIW.20200046</a> . <u>LI Hualin</u> , <u>LIU Peng</u> , # <u>GUNAWAN Renardi</u> , # <u>SIMENEH Zemenu Mengistie</u> , # <u>LIANG Chen</u> , <u>YAO Xi</u> , # <u>YANG M</u> , "Magnetothermal Miniature Reactors Based on Fe <sub>3</sub> O <sub>4</sub> Nanocube-Coated Liquid Marbles", <i>Advanced Healthcare Materials</i> , 10(6), 20 January 2021, doi: <a href="https://doi.org/10.1002/adhm.202001658">https://doi.org/10.1002/adhm.202001658</a> .
<b>LIANG Jingbo</b>	# <u>LIANG Jingbo</u> , <u>YUAN Hsiang-Yu Sean</u> , <u>WU Lindsey</u> , # <u>PFEIFFER Dirk Udo</u> , "Estimating effects of intervention measures on COVID-19 outbreak in Wuhan taking account of improving diagnostic capabilities using a modelling approach", <i>BMC Infectious Diseases</i> , 21, 05 May 2021, doi: <a href="https://doi.org/10.1186/s12879-021-06115-6">https://doi.org/10.1186/s12879-021-06115-6</a> .
<b>LIU Guopan</b>	<u>LIU Song-Lin</u> , # <u>LIU Guopan</u> , # <u>AI-DONG Wang</u> , "羟丙甲纤维素空心胶囊对制剂溶出的影响因素研究", <i>化工设计通讯</i> , 47(6), June 2021, pp 196-198.

## Section A: Publications of PhD Students

<b>LIU Jiaxian</b>	#KANG Evangeline Tze Zhen, #ZHU Lina, YANG Du, DING Dongbo, #ZHU Xiaoxuan, #WAN Yi Ching Esther, #LIU Jiaxian, RAMAKRISHNAN Saravanan, CHAN Landon Long, CHAN Siu Yuen, WANG Xin, GAN Haiyun, HAN Junhong, ISHIBASHI Toyotaka, LI Qing, CHAN Kui Ming, "The elevated transcription of ADAM19 by the oncohistone H2BE76K contributes to oncogenic properties in breast cancer", <i>Journal of Biological Chemistry</i> , 296, 04 February 2021, doi: <a href="https://doi.org/10.1016/j.jbc.2021.100374">https://doi.org/10.1016/j.jbc.2021.100374</a> .
<b>LIU Jingui</b>	SHAO Xiaolong, #XIE Yingpeng, ZHANG Yingchao, #LIU Jingui, #DING Yiqing, WU Min, WANG Xin, DENG Xin, "Novel therapeutic strategies for treating <i>Pseudomonas aeruginosa</i> infection", <i>Expert Opinion on Drug Discovery</i> , 15(12), 03 September 2020, pp 1403-1423 , doi: <a href="https://doi.org/10.1080/17460441.2020.1803274">https://doi.org/10.1080/17460441.2020.1803274</a> . SHAO Xiaolong, #TAN Miaomiao, #XIE Yingpeng, #YAO Chunyan, #WANG Tingting, #HUANG Hao, ZHANG Yingchao, #DING Yiqing, #LIU Jingui, #HAN Liangliang, #HUA Canfeng, WANG Xin, DENG Xin, "Integrated regulatory network in <i>Pseudomonas syringae</i> reveals dynamics of virulence", <i>Cell Reports</i> , 34(13), 30 March 2021, doi: <a href="https://doi.org/10.1016/j.celrep.2021.108920">https://doi.org/10.1016/j.celrep.2021.108920</a> . FAN Ligang, #WANG Tingting, #HUA Canfeng, SUN Wenju, LI Xiaoyu, GRUNWALD Lucas, #LIU Jingui, WU Nan, SHAO Xiaolong, YIN Yimeng, YAN Jian, DENG Xin, "A compendium of DNA-binding specificities of transcription factors in <i>Pseudomonas syringae</i> ", <i>Nature Communications</i> , 11, 02 October 2020, doi: <a href="https://doi.org/10.1038/s41467-020-18744-7">https://doi.org/10.1038/s41467-020-18744-7</a> .
<b>LIU Wenhao</b>	ZHOU Xinyi, WU Bifeng, #LIU Wenhao, XIAO Qian, HE Wei, ZHOU Ying, WEI Pengfei , ZHANG Xu, LIU Yue, WANG Jie, HE Jufang, ZHANG Zhigang, LI Weidong, WANG Liping, TU Jie, "Reduced Firing of Nucleus Accumbens Parvalbumin Interneurons Impairs Risk Avoidance in <i>DISC1</i> Transgenic Mice", <i>Neuroscience Bulletin</i> , 18 June 2021, doi: <a href="https://doi.org/10.1007/s12264-021-00731-7">https://doi.org/10.1007/s12264-021-00731-7</a> .
<b>LU Qingqing</b>	#HUANG Suihong, #LU Qingqing, #CHOI Ming Ho, #ZHANG Xuebing, KIM Jin Young, "Applying real-time monitoring of circadian oscillations in adult mouse brain slices to study communications between brain regions", <i>STAR Protocols</i> , 2(2), 31 March 2021, doi: <a href="https://doi.org/10.1016/j.xpro.2021.100416">https://doi.org/10.1016/j.xpro.2021.100416</a> .
<b>LYU Dong</b>	#LYU Dong, CHAI Jingchao, WANG Peng, #ZHU Lingyu, LIU Chao, NIE Shuangxi, LI Bin, CUI Guanglei, "Pure cellulose lithium-ion battery separator with tunable pore size and improved working stability by cellulose nanofibrils", <i>Carbohydrate Polymers</i> , 251, 24 August 2020, doi: <a href="https://doi.org/10.1016/j.carbpol.2020.116975">https://doi.org/10.1016/j.carbpol.2020.116975</a> . #WANG Zhaoyue, #YI Bo, #WU Mandi, #LYU Dong, HE Mingliang, LIU Meijin, YAO Xi, "Bioinspired Supramolecular Slippery Organogels for Controlling Pathogen Spread by Respiratory Droplets", <i>Advanced Functional Materials</i> , 19 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102888">https://doi.org/10.1002/adfm.202102888</a> .
<b>MA Haiying</b>	#HUANG Hao, HU Jianyang, #MARYAM Alishba, HUANG Qinghua, #ZHANG Yuchen, RAMAKRISHNAN Saravanan, #LI Jingyu, #MA Haiying, MA Victor W.S., CHEUK Wah, SO Grace Y. K., #WANG Wei, CHO William C.S., ZHANG Liang, CHAN Kui Ming, WANG Xin, CHIN Rebecca Y M, "Defining super-enhancer landscape in triple-negative breast cancer by multiomic profiling", <i>Nature Communications</i> , 12, 14 April 2021, doi: <a href="https://doi.org/10.1038/s41467-021-22445-0">https://doi.org/10.1038/s41467-021-22445-0</a> . #MA Haiying, #LIAO Herui, #DELLISANTI Walter, SUN Yanni, CHAN Lai Leo, ZHANG Liang, "Characterizing the Host Coral Proteome of <i>Platygyra carnosa</i> Using Suspension Trapping (S-Trap)", <i>Journal of Proteome Research</i> , 20(3), 25 February 2021, pp 1783–1791, doi: <a href="https://doi.org/10.1021/acs.jproteome.0c00812">https://doi.org/10.1021/acs.jproteome.0c00812</a> .
<b>MANNO Sinai</b>	AHMED Irfan, MA Victor, #LIU Yuanchao, #KHAN Muhammad Shehzad, LIU Zhenhui, ZHANG Chi, PAIDI Santosh Kumar, #MANNO Francis Anthony Michael, AMJAD Noreen, #MANNO Sinai, AHMED Rafay, LAW Wing Lun, ALI Ahmed, RAZA Faizan, ZHANG Yanpeng , CHO William C.S., BARMAN Ishan, ALDA Martin, BERGINK Veerle, LAU Condon, "Lithium from breast-milk inhibits thyroid iodine uptake and hormone production, which are remedied by maternal iodine supplementation", <i>Bipolar Disorders</i> , 28 January 2021, doi: <a href="https://doi.org/10.1111/bdi.13047">https://doi.org/10.1111/bdi.13047</a> .



Section A: Publications of PhD Students

	#MANNING Sinai, #MANNING Francis Anthony Michael, #TIAN Li, #KHAN Muhammad Shehzad, AHMED Irfan, #KHAN Muhammad Shehzad, LI Wai Tsun Vincent, XU Shisan, XIE Fangjing, HUNG Tak Fu, MA Victor, CHO William, ALDAPE Beatriz, CHENG Shuk Han, LAU Condon, "Spectroscopic and microscopic examination of teeth exposed to green tea at different temperatures", <i>PLoS ONE</i> , 15(12), 30 December 2020, doi: <a href="https://doi.org/10.1371/journal.pone.0244542">https://doi.org/10.1371/journal.pone.0244542</a> .
<b>MARYAM Alishba</b>	#HUANG Hao, HU Jianyang, #MARYAM Alishba, HUANG Qinghua, #ZHANG Yuchen, RAMAKRISHNAN Saravanan, #LI Jingyu, #MA Haiying, MA Victor W.S., CHEUK Wah, SO Grace Y. K., #WANG Wei, CHO William C.S., ZHANG Liang, CHAN Kui Ming, WANG Xin, CHIN Rebecca Y M, "Defining super-enhancer landscape in triple-negative breast cancer by multiomic profiling", <i>Nature Communications</i> , 12, 14 April 2021, doi: <a href="https://doi.org/10.1038/s41467-021-22445-0">https://doi.org/10.1038/s41467-021-22445-0</a> .
<b>MISHRA Ambika Prasad</b>	#MISHRA Ambika Prasad, HARPER Nicol S., SCHNUPP Jan, "Exploring the distribution of statistical feature parameters for natural sound textures", <i>PLOS ONE</i> , 16(6), 23 June 2021, doi: <a href="https://doi.org/10.1371/journal.pone.0238960">https://doi.org/10.1371/journal.pone.0238960</a> .
<b>PENG Boya</b>	#PENG Boya, THENG Poh Ying, LE Thi Nguyet Minh, "Essential functions of miR-125b in cancer", <i>Cell Proliferation</i> , 54(2), 17 December 2020, doi: <a href="https://doi.org/10.1111/cpr.12913">https://doi.org/10.1111/cpr.12913</a> .
<b>PHAM Chanh Tin</b>	PIRISINU Marco, #PHAM Chanh Tin, #ZHANG Daniel Xin, HONG Tran Nguyen, NGUYEN Lap Thi, LE Thi Nguyet Minh, "Extracellular vesicles as natural therapeutic agents and innate drug delivery systems for cancer treatment: Recent advances, current obstacles, and challenges for clinical translation", <i>Seminars in Cancer Biology</i> , 22 September 2020, doi: <a href="https://doi.org/10.1016/j.semcan.2020.08.007">https://doi.org/10.1016/j.semcan.2020.08.007</a> . #PHAM Chanh Tin, #JAYASINGHE Migara Kavishka, #PHAM Tuan Thach, YANG Yuqi, #WEI Likun, WAQAS Muhammad, #CHEN Huan, PIRISINU Marco, #GONG Jinhua, KIM Seongkyeol, PENG Boya, #WANG Weixi, CHAN Charlene, MA Victor, NGUYEN Nhung T.H., KAPPEI Dennis, NGUYEN Xuan-Hung, CHO William C., SHI Jiahai, LE Minh T.N., "Covalent conjugation of extracellular vesicles with peptides and nanobodies for targeted therapeutic delivery", <i>Journal of Extracellular Vesicles</i> , 10(4), 16 February 2021, doi: <a href="https://doi.org/10.1002/jev2.12057">https://doi.org/10.1002/jev2.12057</a> .
<b>PHAM Tuan Thach</b>	#VU Tien Luyen, #GONG Jinhua, #PHAM Tuan Thach, #KIM Yeokyeong, LE Thi Nguyet Minh, "microRNA exchange via extracellular vesicles in cancer", <i>Cell Proliferation</i> , 53(11), 06 October 2020, doi: <a href="https://doi.org/10.1111/cpr.12877">https://doi.org/10.1111/cpr.12877</a> . #PHAM Chanh Tin, #JAYASINGHE Migara Kavishka, #PHAM Tuan Thach, YANG Yuqi, #WEI Likun, WAQAS Muhammad, #CHEN Huan, PIRISINU Marco, #GONG Jinhua, KIM Seongkyeol, PENG Boya, #WANG Weixi, CHAN Charlene, MA Victor, NGUYEN Nhung T.H., KAPPEI Dennis, NGUYEN Xuan-Hung, CHO William C., SHI Jiahai, LE Minh T.N., "Covalent conjugation of extracellular vesicles with peptides and nanobodies for targeted therapeutic delivery", <i>Journal of Extracellular Vesicles</i> , 10(4), 16 February 2021, doi: <a href="https://doi.org/10.1002/jev2.12057">https://doi.org/10.1002/jev2.12057</a> .
<b>QI Lin</b>	XIE Kai, WANG Zixun, #QI Lin, #ZHAO Xi, #WANG Yuan, #QU Jin, XU Ping, HUANG Linfeng, ZHANG Wenjun, YANG Yang, WANG Xin, SHI Peng, "Profiling MicroRNAs with Associated Spatial Dynamics in Acute Tissue Slices", <i>ACS Nano</i> , 15(3), 10 March 2021, pp 4881–4892, doi: <a href="https://doi.org/10.1021/acsnano.0c09676">https://doi.org/10.1021/acsnano.0c09676</a> . #QI Lin, KE Jia, YU Zhaoliang, #CAO Yi, #LAI Yuni, CHEN Yufeng, GAO Feng, WANG Xin, "Identification of prognostic spatial organization features in colorectal cancer microenvironment using deep learning on histopathology images", <i>Medicine in Omics</i> , 11 February 2021, doi: <a href="https://doi.org/10.1016/j.meomic.2021.100008">https://doi.org/10.1016/j.meomic.2021.100008</a> .
<b>SHI Heng</b>	LIU Chunhua, WANG Xiaoyun, HUANG Wenhao, MENG Wei, SU Zhenghui, XING Qi, #SHI Heng, ZHANG Di, ZHOU Min, ZHAO Yifan, WANG Haitao, PAN Guangjin, ZHONG Xiaofen, PEI Duanqing, GUO Yiping, "Hypoproliferative human neural progenitor cell xenografts survived extendedly in the brain of immunocompetent rats", <i>Stem Cell Research and Therapy</i> , 12, 2021, doi: <a href="https://doi.org/10.1186/s13287-021-02427-1">https://doi.org/10.1186/s13287-021-02427-1</a> .
<b>SIMENEH Mengistie</b>	LI Hualin, LIU Peng, #GUNAWAN Renardi, #SIMENEH Mengistie, #LIANG Chen, YAO Xi, YANG M, "Magnetothermal Miniature Reactors Based on Fe <sub>3</sub> O <sub>4</sub> Nanocube-Coated Liquid Marbles", <i>Advanced Healthcare Materials</i> , 10(6), 20 January 2021, doi: <a href="https://doi.org/10.1002/adhm.202001658">https://doi.org/10.1002/adhm.202001658</a> .

## Section A: Publications of PhD Students

<b>SUN Wei</b>	#HUANG Lihong, LI Huanan, #YE Zuodong, XU Qiang, FU Qiang, #SUN Wei, QI Wenbao, YUE Jianbo, "Berbamine inhibits Japanese encephalitis virus (JEV) infection by compromising TPRMLs-mediated endolysosomal trafficking of low-density lipoprotein receptor (LDLR)", <i>Emerging Microbes and Infections</i> , 10(1), 26 June 2021, pp 1257-1271, doi: <a href="https://doi.org/10.1080/22221751.2021.1941276">https://doi.org/10.1080/22221751.2021.1941276</a> .
<b>TAN Miaomiao</b>	#FENG Zhuoying, #ZHOU Fanghang, #TAN Miaomiao, #WANG Tingting, CHEN Ying, XU Wenwen, LI Bin, WANG Xin, DENG Xin, HE Mingliang, "Targeting m6A modification inhibits herpes virus 1 infection", <i>Genes and Diseases</i> , 22 February 2021, doi: <a href="https://doi.org/10.1016/j.gendis.2021.02.004">https://doi.org/10.1016/j.gendis.2021.02.004</a> . SHAO Xiaolong, #TAN Miaomiao, #XIE Yingpeng, #YAO Chunyan, #WANG Tingting, #HUANG Hao, ZHANG Yingchao, #DING Yiqing, #LIU Jingui, #HAN Liangliang, #HUA Canfeng, WANG Xin, DENG Xin, "Integrated regulatory network in <i>Pseudomonas syringae</i> reveals dynamics of virulence", <i>Cell Reports</i> , 34(13), 30 March 2021, doi: <a href="https://doi.org/10.1016/j.celrep.2021.108920">https://doi.org/10.1016/j.celrep.2021.108920</a> .
<b>TIAN Li</b>	#GU Jiarui, YAN Meng, LEUNG To Yan, #TIAN Li, LAM Tsz Tung, CHENG Shuk Han, LAM Kwan Sing Paul, "Toxicity effects of hydrophilic algal lysates from <i>Coolia tropicalis</i> on marine medaka larvae ( <i>Oryzias melastigma</i> )", <i>Aquatic Toxicology</i> , 234, 23 February 2021, doi: <a href="https://doi.org/10.1016/j.aquatox.2021.105787">https://doi.org/10.1016/j.aquatox.2021.105787</a> . #HUANG Xin, #TIAN Li, #WANG Zhaoyue, #ZHANG Jianqiang, #CHAN Yu Suen, CHENG Shuk Han, YAO Xi, "Bioinspired Robust All-Aqueous Droplet via Diffusion-Controlled Interfacial Coacervation", <i>Advanced Functional Materials</i> , 30(49), 09 September 2020, doi: <a href="https://doi.org/10.1002/adfm.202004166">https://doi.org/10.1002/adfm.202004166</a> . #MANNNO Sinai, #MANNNO Francis Anthony Michael, #TIAN Li, #KHAN Muhammad Shehzad, AHMED Irfan, #KHAN Muhammad Shehzad, LI Wai Tsun Vincent, XU Shisan, XIE Fangjing, HUNG Tak Fu, MA Victor, CHO William, ALDAPE Beatriz, CHENG Shuk Han, LAU Condon, "Spectroscopic and microscopic examination of teeth exposed to green tea at different temperatures", <i>PLoS ONE</i> , 15(12), 30 December 2020, doi: <a href="https://doi.org/10.1371/journal.pone.0244542">https://doi.org/10.1371/journal.pone.0244542</a> .
<b>WAN Yi Ching Esther</b>	#KANG Evangeline Tze Zhen, #ZHU Lina, YANG Du, DING Dongbo, #ZHU Xiaoxuan, #WAN Yi Ching Esther, #LIU Jiaxian, RAMAKRISHNAN Saravanan, CHAN Landon Long, CHAN Siu Yuen, WANG Xin, GAN Haiyun, HAN Junhong, ISHIBASHI Toyotaka, LI Qing, CHAN Kui Ming, "The elevated transcription of ADAM19 by the oncohistone H2BE76K contributes to oncogenic properties in breast cancer", <i>Journal of Biological Chemistry</i> , 296, 04 February 2021, doi: <a href="https://doi.org/10.1016/j.jbc.2021.100374">https://doi.org/10.1016/j.jbc.2021.100374</a> . #WAN Yi Ching Esther, CHAN Kui Ming, "Histone H2B Mutations in Cancer", <i>Biomedicines</i> , 9(6), 19 June 2021, doi: <a href="https://doi.org/10.3390/biomedicines9060694">https://doi.org/10.3390/biomedicines9060694</a> .
<b>WANG Dawei</b>	#HUANG Lihong, FU Qiang, DAI Jia-Meng, YAN Bing-Chao, #WANG Dawei, PUNO Pema-Tenzin, YUE Jianbo, "High-content screening of diterpenoids from <i>Isodon</i> species as autophagy modulators and the functional study of their antiviral activities", <i>Cell Biology and Toxicology</i> , 23 January 2021, doi: <a href="https://doi.org/10.1007/s10565-021-09580-6">https://doi.org/10.1007/s10565-021-09580-6</a> . #WANG Dawei, WU Fan, ZHU Ya-Ning, LIU Lu, MIAO Dong, ZHOU Min, WANG Wei-Guang, HU Qiu-Fen, YUE Jianbo, "Stilbene Derivatives from the Leaves and Stems of <i>Bletilla striata</i> and their Cytotoxicity and Autophagy Activity", <i>Chemistry of Natural Compounds</i> , 57(3), 24 May 2021, pp 462-467, doi: <a href="https://doi.org/10.1007/s10600-021-03388-w">https://doi.org/10.1007/s10600-021-03388-w</a> . #YE Zuodong, #WANG Dawei, LU Yingying, HE Yunjiao, YU Jingting, WEI Wenjie, CHEN Chang, WANG Rui, ZHANG Liang, ZHANG Liangren, LE Minh T N, CHO William C., YANG M, ZHANG Hongmin, YUE Jianbo, "Vacuolin-1 inhibits endosomal trafficking and metastasis via CapZ $\beta$ ", <i>Oncogene</i> , 40(10), 09 February 2021, pp 1775-1791, doi: <a href="https://doi.org/10.1038/s41388-021-01662-3">https://doi.org/10.1038/s41388-021-01662-3</a> .
<b>WANG Tingting</b>	#FENG Zhuoying, #ZHOU Fanghang, #TAN Miaomiao, #WANG Tingting, CHEN Ying, XU Wenwen, LI Bin, WANG Xin, DENG Xin, HE Mingliang, "Targeting m6A modification inhibits herpes virus 1 infection", <i>Genes and Diseases</i> , 22 February 2021, doi: <a href="https://doi.org/10.1016/j.gendis.2021.02.004">https://doi.org/10.1016/j.gendis.2021.02.004</a> . #WANG Tingting, SUN Wenju, FAN Ligang, #HUA Canfeng, WU Nan, FAN Shaorong, ZHANG Jilin, DENG Xin, YAN Jian, "An atlas of the binding specificities of transcription factors in

Section A: Publications of PhD Students

	<p><i>Pseudomonas aeruginosa</i> directs prediction of novel regulators in virulence", <i>eLife</i>, 10, 29 March 2021, doi: <a href="https://doi.org/10.7554/eLife.61885">https://doi.org/10.7554/eLife.61885</a>,<a href="https://doi.org/10.7554/eLife.61885">https://doi.org/10.7554/eLife.61885</a>.</p> <p><a href="#">SHAO Xiaolong</a>, <a href="#">#TAN Miaomiao</a>, <a href="#">#XIE Yingpeng</a>, <a href="#">#YAO Chunyan</a>, <a href="#">#WANG Tingting</a>, <a href="#">#HUANG Hao</a>, <a href="#">ZHANG Yingchao</a>, <a href="#">#DING Yiqing</a>, <a href="#">#LIU Jingui</a>, <a href="#">#HAN Liangliang</a>, <a href="#">#HUA Canfeng</a>, <a href="#">WANG Xin</a>, <a href="#">DENG Xin</a>, "Integrated regulatory network in <i>Pseudomonas syringae</i> reveals dynamics of virulence", <i>Cell Reports</i>, 34(13), 30 March 2021, doi: <a href="https://doi.org/10.1016/j.celrep.2021.108920">https://doi.org/10.1016/j.celrep.2021.108920</a>.</p> <p><a href="#">FAN Ligang</a>, <a href="#">#WANG Tingting</a>, <a href="#">#HUA Canfeng</a>, SUN Wenju, LI Xiaoyu, GRUNWALD Lucas, <a href="#">#LIU Jingui</a>, WU Nan, <a href="#">SHAO Xiaolong</a>, YIN Yimeng, <a href="#">YAN Jian</a>, <a href="#">DENG Xin</a>, "A compendium of DNA-binding specificities of transcription factors in <i>Pseudomonas syringae</i>", <i>Nature Communications</i>, 11, 02 October 2020, doi: <a href="https://doi.org/10.1038/s41467-020-18744-7">https://doi.org/10.1038/s41467-020-18744-7</a>.</p>
<b>WANG Wanying</b>	<p>CHEN Shi-ting, HE Si-yuan, <a href="#">#WANG Wanying</a>, JIN Hai-jun, <a href="#">LU Jian</a>, ZHANG Ye-yuan, "Functionalized nanoporous gold membrane for pancreatic islet cells encapsulation", <i>Materials Letters</i>, 301, 08 June 2021, doi: <a href="https://doi.org/10.1016/j.matlet.2021.130224">https://doi.org/10.1016/j.matlet.2021.130224</a>.</p>
<b>WANG Wei</b>	<p>KANDIMALLA Raju, <a href="#">#WANG Wei</a>, YU Fan, ZHOU Nianxin, GAO Feng, SPILLMAN Monique, MOUKOVA Lucie, SLABY Ondrej, SALHIA Bodour, ZHOU Shengtao, <a href="#">WANG Xin</a>, GOEL Ajay, "OCaMIR—A noninvasive, diagnostic signature for early-stage ovarian cancer: A multi-cohort retrospective and prospective study", <i>Clinical Cancer Research</i>, 27(15), 25 May 2021, pp 4277-4286, doi: <a href="https://doi.org/10.1158/1078-0432.CCR-21-0267">https://doi.org/10.1158/1078-0432.CCR-21-0267</a>.</p> <p><a href="#">#HUANG Hao</a>, <a href="#">HU Jianyang</a>, <a href="#">#MARYAM Alishba</a>, HUANG Qinghua, <a href="#">#ZHANG Yuchen</a>, <a href="#">RAMAKRISHNAN Saravanan</a>, <a href="#">#LI Jingyu</a>, <a href="#">#MA Haiying</a>, MA Victor W.S., CHEUK Wah, SO Grace Y. K., <a href="#">#WANG Wei</a>, CHO William C.S., <a href="#">ZHANG Liang</a>, <a href="#">CHAN Kui Ming</a>, <a href="#">WANG Xin</a>, <a href="#">CHIN Rebecca Y M</a>, "Defining super-enhancer landscape in triple-negative breast cancer by multiomic profiling", <i>Nature Communications</i>, 12, 14 April 2021, doi: <a href="https://doi.org/10.1038/s41467-021-22445-0">https://doi.org/10.1038/s41467-021-22445-0</a>.</p>
<b>WANG Weixi</b>	<p><a href="#">#PHAM Chanh Tin</a>, <a href="#">#JAYASINGHE Migara Kavishka</a>, <a href="#">#PHAM Tuan Thach</a>, <a href="#">YANG Yuqi</a>, <a href="#">#WEI Likun</a>, <a href="#">WAQAS Muhammad</a>, <a href="#">#CHEN Huan</a>, <a href="#">PIRISINU Marco</a>, <a href="#">#GONG Jinhua</a>, KIM Seongkyeol, PENG Boya, <a href="#">#WANG Weixi</a>, CHAN Charlene, MA Victor, NGUYEN Nhung T.H. , KAPPEI Dennis, NGUYEN Xuan-Hung, CHO William C., <a href="#">SHI Jiahai</a>, LE Minh T.N., "Covalent conjugation of extracellular vesicles with peptides and nanobodies for targeted therapeutic delivery", <i>Journal of Extracellular Vesicles</i>, 10(4), 16 February 2021, doi: <a href="https://doi.org/10.1002/jev2.12057">https://doi.org/10.1002/jev2.12057</a>.</p>
<b>WANG Xiong</b>	<p><a href="#">#CHAN Wing Lam</a>, HE Betsy, <a href="#">#WANG Xiong</a>, HE Mingliang, "Pandemic COVID-19: Current status and challenges of antiviral therapies", <i>Genes and Diseases</i>, 7(4), 07 July 2020, pp 502-519, doi: <a href="https://doi.org/10.1016/j.gendis.2020.07.001">https://doi.org/10.1016/j.gendis.2020.07.001</a>.</p>
<b>WANG Zhaoyue</b>	<p><a href="#">#HUANG Xin</a>, <a href="#">#TIAN Li</a>, <a href="#">#WANG Zhaoyue</a>, <a href="#">#ZHANG Jianqiang</a>, <a href="#">#CHAN Yu Suen</a>, <a href="#">CHENG Shuk Han</a>, <a href="#">YAO Xi</a>, "Bioinspired Robust All-Aqueous Droplet via Diffusion-Controlled Interfacial Coacervation", <i>Advanced Functional Materials</i>, 30(49), 09 September 2020, doi: <a href="https://doi.org/10.1002/adfm.202004166">https://doi.org/10.1002/adfm.202004166</a>.</p> <p><a href="#">#WANG Zhaoyue</a>, <a href="#">#YI Bo</a>, <a href="#">#WU Mandi</a>, <a href="#">#LYU Dong</a>, <a href="#">HE Mingliang</a>, LIU Meijin, <a href="#">YAO Xi</a>, "Bioinspired Supramolecular Slippery Organogels for Controlling Pathogen Spread by Respiratory Droplets", <i>Advanced Functional Materials</i>, 19 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102888">https://doi.org/10.1002/adfm.202102888</a>.</p> <p><a href="#">#HOU Changshun</a>, <a href="#">HE Wenqing</a>, <a href="#">#WANG Zhaoyue</a>, <a href="#">#YI Bo</a>, HU Zuojun, WANG Wei, <a href="#">DENG Xin</a>, <a href="#">YAO Xi</a>, "Particulate-Aggregated Adhesives with Exudate-Sensitive Properties and Sustained Bacteria Disinfection to Facilitate Wound Healing", <i>ACS applied materials &amp; interfaces</i>, 12(28), 02 July 2020, pp 31090-31098, doi: <a href="https://doi.org/10.1021/acsami.0c04920">https://doi.org/10.1021/acsami.0c04920</a>.</p>
<b>WEI Likun</b>	<p><a href="#">#PHAM Chanh Tin</a>, <a href="#">#JAYASINGHE Migara Kavishka</a>, <a href="#">#PHAM Tuan Thach</a>, <a href="#">YANG Yuqi</a>, <a href="#">#WEI Likun</a>, <a href="#">WAQAS Muhammad</a>, <a href="#">#CHEN Huan</a>, <a href="#">PIRISINU Marco</a>, <a href="#">#GONG Jinhua</a>, KIM Seongkyeol, PENG Boya, <a href="#">#WANG Weixi</a>, CHAN Charlene, MA Victor, NGUYEN Nhung T.H. , KAPPEI Dennis, NGUYEN Xuan-Hung, CHO William C., <a href="#">SHI Jiahai</a>, LE Minh T.N., "Covalent conjugation of extracellular vesicles with peptides and nanobodies for targeted therapeutic delivery", <i>Journal of Extracellular Vesicles</i>, 10(4), 16 February 2021, doi: <a href="https://doi.org/10.1002/jev2.12057">https://doi.org/10.1002/jev2.12057</a>.</p>

## Section A: Publications of PhD Students

	ZHANG Yaolei, GAO Haoyang, LI Hanbo, GUO Jiao, OUYANG Bingjie, WANG Meiniang, XU Qiwu, WANG Jiahao, LV Meiqi, GUO Xinyu, LIU Qun, #WEI Likun, REN Han, XI Yang, GUO Yang, REN Bingzhao, PAN Shanshan, LIU Chuxin, DING Xiaoyan, XIANG Haitao, YU Yingjia, SONG Yue, MENG Lingfeng, LIU Shanshan, WANG Jun, JIANG Yuan, <u>SHI Jiahai</u> , LIU Shiping, SABIR Jamal S.M., SABIR Mumdooh J., KHAN Muhummadh, HAJRAH Nahid H., MING-YUEN LEE Simon, XU Xun, YANG Huanming, WANG Jian, FAN Guangyi, YANG Naibo, LIU Xin, "The White-Spotted Bamboo Shark Genome Reveals Chromosome Rearrangements and Fast-Evolving Immune Genes of Cartilaginous Fish", <i>iScience</i> , 23(11), 02 November 2020, doi: <a href="https://doi.org/10.1016/j.isci.2020.101754">https://doi.org/10.1016/j.isci.2020.101754</a> .
<b>WU Mandi</b>	#WANG Zhaoyue, #YI Bo, #WU Mandi, #LYU Dong, <u>HE Mingliang</u> , LIU Meijin, <u>YAO Xi</u> , "Bioinspired Supramolecular Slippery Organogels for Controlling Pathogen Spread by Respiratory Droplets", <i>Advanced Functional Materials</i> , 19 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102888">https://doi.org/10.1002/adfm.202102888</a> .
<b>XIE Yingpeng</b>	<u>SHAO Xiaolong</u> , #XIE Yingpeng, <u>ZHANG Yingchao</u> , #LIU Jingui, #DING Yiqing, WU Min, <u>WANG Xin</u> , <u>DENG Xin</u> , "Novel therapeutic strategies for treating <i>Pseudomonas aeruginosa</i> infection", <i>Expert Opinion on Drug Discovery</i> , 15(12), 03 September 2020, pp 1403-1423, doi: <a href="https://doi.org/10.1080/17460441.2020.1803274">https://doi.org/10.1080/17460441.2020.1803274</a> .
	<u>SHAO Xiaolong</u> , #TAN Miaomiao, #XIE Yingpeng, #YAO Chunyan, #WANG Tingting, #HUANG Hao, <u>ZHANG Yingchao</u> , #DING Yiqing, #LIU Jingui, #HAN Liangliang, #HUA Canfeng, <u>WANG Xin</u> , <u>DENG Xin</u> , "Integrated regulatory network in <i>Pseudomonas syringae</i> reveals dynamics of virulence", <i>Cell Reports</i> , 34(13), 30 March 2021, doi: <a href="https://doi.org/10.1016/j.celrep.2021.108920">https://doi.org/10.1016/j.celrep.2021.108920</a> .
	#XIE Yingpeng, LIU Wenbao, <u>SHAO Xiaolong</u> , ZHANG Weihua, <u>DENG Xin</u> , "Signal transduction schemes in <i>Pseudomonas syringae</i> ", <i>Computational and Structural Biotechnology Journal</i> , 18, 09 November 2020, pp 3415-3424, doi: <a href="https://doi.org/10.1016/j.csbj.2020.10.039">https://doi.org/10.1016/j.csbj.2020.10.039</a> .
<b>YANG Yujie</b>	#YANG Yujie, CHENG Jie, ZHANG Yongni, GUO Jiabao, XIE Bin, ZHANG Wenyi, ZHU Zhaojin, ZHU Yi, "Electroacupuncture at Zusanli (ST36) Repairs Interstitial Cells of Cajal and Upregulates c-Kit Expression in Rats with SCI-Induced Neurogenic Bowel Dysfunction", <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 27 November 2020, doi: <a href="https://doi.org/10.1155/2020/8896123">https://doi.org/10.1155/2020/8896123</a> .
<b>YAO Chunyan</b>	<u>SHAO Xiaolong</u> , #TAN Miaomiao, #XIE Yingpeng, #YAO Chunyan, #WANG Tingting, #HUANG Hao, <u>ZHANG Yingchao</u> , #DING Yiqing, #LIU Jingui, #HAN Liangliang, #HUA Canfeng, <u>WANG Xin</u> , <u>DENG Xin</u> , "Integrated regulatory network in <i>Pseudomonas syringae</i> reveals dynamics of virulence", <i>Cell Reports</i> , 34(13), 30 March 2021, doi: <a href="https://doi.org/10.1016/j.celrep.2021.108920">https://doi.org/10.1016/j.celrep.2021.108920</a> .
<b>YE Zuodong</b>	#HUANG Lihong, LI Huanan, #YE Zuodong, XU Qiang, <u>FU Qiang</u> , #SUN Wei, QI Wenbao, <u>YUE Jianbo</u> , "Berbamine inhibits Japanese encephalitis virus (JEV) infection by compromising TPRMLs-mediated endolysosomal trafficking of low-density lipoprotein receptor (LDLR)", <i>Emerging Microbes and Infections</i> , 10(1), 26 June 2021, pp 1257-1271, doi: <a href="https://doi.org/10.1080/22221751.2021.1941276">https://doi.org/10.1080/22221751.2021.1941276</a> .
	#YE Zuodong, #WANG Dawei, <u>LU Yingying</u> , HE Yunjiao, YU Jingting, WEI Wenjie, CHEN Chang, <u>WANG Rui</u> , <u>ZHANG Liang</u> , ZHANG Liangren, LE Minh T N, CHO William C., <u>YANG M</u> , ZHANG Hongmin, <u>YUE Jianbo</u> , "Vacuolin-1 inhibits endosomal trafficking and metastasis via CapZ $\beta$ ", <i>Oncogene</i> , 40(10), 09 February 2021, pp 1775-1791, doi: <a href="https://doi.org/10.1038/s41388-021-01662-3">https://doi.org/10.1038/s41388-021-01662-3</a> .
<b>YI Bo</b>	#YI Bo, WONG Yan Lung, #HOU Changshun, #ZHANG Jianqiang, XU Zhengtao, <u>YAO Xi</u> , "Coordination-Driven Assembly of Metal–Organic Framework Coating for Catalytically Active Superhydrophobic Surface", <i>Advanced Materials Interfaces</i> , 8(2), 27 September 2020, doi: <a href="https://doi.org/10.1002/admi.202001202">https://doi.org/10.1002/admi.202001202</a> .
	#WANG Zhaoyue, #YI Bo, #WU Mandi, #LYU Dong, <u>HE Mingliang</u> , LIU Meijin, <u>YAO Xi</u> , "Bioinspired Supramolecular Slippery Organogels for Controlling Pathogen Spread by Respiratory Droplets", <i>Advanced Functional Materials</i> , 19 June 2021, doi: <a href="https://doi.org/10.1002/adfm.202102888">https://doi.org/10.1002/adfm.202102888</a> .
	#HOU Changshun, XU Chen, #YI Bo, #HUANG Xin, #CAO Chunyan, <u>LEE Youngjin</u> , <u>CHEN Sheng</u> , <u>YAO Xi</u> , "Mechano-Induced Assembly of a Nanocomposite for "Press-N-Go" Coatings with

## Section A: Publications of PhD Students

	Highly Efficient Surface Disinfection", <i>ACS Applied Materials and Interfaces</i> , 13(16), 19 April 2021, pp 19332–19341, doi: <a href="https://doi.org/10.1021/acsami.1c03156">https://doi.org/10.1021/acsami.1c03156</a> .
	# <a href="#">YI Bo</a> , <a href="#">WANG Sheng</a> , # <a href="#">HOU Changshun</a> , # <a href="#">HUANG Xin</a> , <a href="#">CUI Jiayi</a> , <a href="#">YAO Xi</a> , "Dynamic siloxane materials: From molecular engineering to emerging applications", <i>Chemical Engineering Journal</i> , 405, 15 September 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.127023">https://doi.org/10.1016/j.cej.2020.127023</a> .
	# <a href="#">HOU Changshun</a> , <a href="#">HE Wenqing</a> , # <a href="#">WANG Zhaoyue</a> , # <a href="#">YI Bo</a> , <a href="#">HU Zuojun</a> , <a href="#">WANG Wei</a> , <a href="#">DENG Xin</a> , <a href="#">YAO Xi</a> , "Particulate-Aggregated Adhesives with Exudate-Sensitive Properties and Sustained Bacteria Disinfection to Facilitate Wound Healing", <i>ACS applied materials &amp; interfaces</i> , 12(28), 02 July 2020, pp 31090-31098, doi: <a href="https://doi.org/10.1021/acsami.0c04920">https://doi.org/10.1021/acsami.0c04920</a> .
<b>ZHANG Jianqiang</b>	# <a href="#">YI Bo</a> , <a href="#">WONG Yan Lung</a> , # <a href="#">HOU Changshun</a> , # <a href="#">ZHANG Jianqiang</a> , <a href="#">XU Zhengtao</a> , <a href="#">YAO Xi</a> , "Coordination-Driven Assembly of Metal–Organic Framework Coating for Catalytically Active Superhydrophobic Surface", <i>Advanced Materials Interfaces</i> , 8(2), 27 September 2020, doi: <a href="https://doi.org/10.1002/admi.202001202">https://doi.org/10.1002/admi.202001202</a> .
	# <a href="#">HUANG Xin</a> , # <a href="#">TIAN Li</a> , # <a href="#">WANG Zhaoyue</a> , # <a href="#">ZHANG Jianqiang</a> , # <a href="#">CHAN Yu Suen</a> , <a href="#">CHENG Shuk Han</a> , <a href="#">YAO Xi</a> , "Bioinspired Robust All-Aqueous Droplet via Diffusion-Controlled Interfacial Coacervation", <i>Advanced Functional Materials</i> , 30(49), 09 September 2020, doi: <a href="https://doi.org/10.1002/adfm.202004166">https://doi.org/10.1002/adfm.202004166</a> .
<b>ZHANG Xuebing</b>	# <a href="#">HUANG Suihong</a> , # <a href="#">LU Qingqing</a> , # <a href="#">CHOI Ming Ho</a> , # <a href="#">ZHANG Xuebing</a> , <a href="#">KIM Jin Young</a> , "Applying real-time monitoring of circadian oscillations in adult mouse brain slices to study communications between brain regions", <i>STAR Protocols</i> , 2(2), 31 March 2021, doi: <a href="https://doi.org/10.1016/j.xpro.2021.100416">https://doi.org/10.1016/j.xpro.2021.100416</a> .
<b>ZHANG Yuchen</b>	# <a href="#">ZHANG Yuchen</a> , # <a href="#">ZHU Lina</a> , <a href="#">WANG Xin</a> , "NEM-Tar: A Probabilistic Graphical Model for Cancer Regulatory Network Inference and Prioritization of Potential Therapeutic Targets From Multi-Omics Data", <i>Frontiers in Genetics</i> , 12, 22 April 2021, doi: <a href="https://doi.org/10.3389/fgene.2021.608042">https://doi.org/10.3389/fgene.2021.608042</a> .
	# <a href="#">HUANG Hao</a> , <a href="#">HU Jianyang</a> , # <a href="#">MARYAM Alishba</a> , <a href="#">HUANG Qinghua</a> , # <a href="#">ZHANG Yuchen</a> , <a href="#">RAMAKRISHNAN Saravanan</a> , # <a href="#">LI Jingyu</a> , # <a href="#">MA Haiying</a> , <a href="#">MA Victor W.S.</a> , <a href="#">CHEUK Wah</a> , <a href="#">SO Grace Y. K.</a> , # <a href="#">WANG Wei</a> , <a href="#">CHO William C.S.</a> , <a href="#">ZHANG Liang</a> , <a href="#">CHAN Kui Ming</a> , <a href="#">WANG Xin</a> , <a href="#">CHIN Rebecca Y M</a> , "Defining super-enhancer landscape in triple-negative breast cancer by multiomic profiling", <i>Nature Communications</i> , 12, 14 April 2021, doi: <a href="https://doi.org/10.1038/s41467-021-22445-0">https://doi.org/10.1038/s41467-021-22445-0</a> .
<b>ZHOU Fanghang</b>	# <a href="#">YANG Liu</a> , <a href="#">PELTIER Raoul</a> , <a href="#">ZHANG Manman</a> , # <a href="#">SONG Dan</a> , <a href="#">HUANG Hui</a> , <a href="#">CHEN Ganchao</a> , <a href="#">CHEN Ying</a> , # <a href="#">ZHOU Fanghang</a> , <a href="#">HAO Quan</a> , <a href="#">BIAN Liming</a> , <a href="#">HE Mingliang</a> , <a href="#">WANG Zuankai</a> , <a href="#">HU Yi</a> , <a href="#">SUN Hongyan</a> , "Desuccinylation-Triggered Peptide Self-Assembly: Live Cell Imaging of SIRT5 Activity and Mitochondrial Activity Modulation", <i>Journal of the American Chemical Society</i> , 142(42), 29 September 2020, pp 18150-18159, doi: <a href="https://doi.org/10.1021/jacs.0c08463">https://doi.org/10.1021/jacs.0c08463</a> , <a href="https://doi.org/doi:10.1021/jacs.0c08463">https://doi.org/doi:10.1021/jacs.0c08463</a> .
	# <a href="#">FENG Zhuoying</a> , # <a href="#">ZHOU Fanghang</a> , # <a href="#">TAN Miaomiao</a> , # <a href="#">WANG Tingting</a> , <a href="#">CHEN Ying</a> , <a href="#">XU Wenwen</a> , <a href="#">LI Bin</a> , <a href="#">WANG Xin</a> , <a href="#">DENG Xin</a> , <a href="#">HE Mingliang</a> , "Targeting m6A modification inhibits herpes virus 1 infection", <i>Genes and Diseases</i> , 22 February 2021, doi: <a href="https://doi.org/10.1016/j.gendis.2021.02.004">https://doi.org/10.1016/j.gendis.2021.02.004</a> .
<b>ZHOU Shiwen</b>	# <a href="#">ZHOU Shiwen</a> , <a href="#">QUAN Jingyu</a> , <a href="#">LI Ziwei</a> , <a href="#">YE Ge</a> , <a href="#">SHANG Zhuo</a> , <a href="#">CHEN Zeping</a> , <a href="#">WANG Lei</a> , <a href="#">LI Xinyuan</a> , <a href="#">ZHANG Xiaoqi</a> , <a href="#">LI Jie</a> , <a href="#">LIU Junshan</a> , <a href="#">TIAN Haiyan</a> , "Bufadienolides from the Eggs of the Toad <i>Bufo bufo gargarizans</i> and Their Antimelanoma Activities", <i>Journal of Natural Products</i> , 84(5), 21 April 2021, pp 1425-1433, doi: <a href="https://doi.org/10.1021/acs.jnatprod.0c00840">https://doi.org/10.1021/acs.jnatprod.0c00840</a> .
<b>ZHU Zhongxu</b>	# <a href="#">CHEN Yu</a> , # <a href="#">WU Tan</a> , # <a href="#">ZHU Zhongxu</a> , # <a href="#">HUANG Hao</a> , <a href="#">ZHANG Liang</a> , <a href="#">GOEL Ajay</a> , <a href="#">YANG M</a> , <a href="#">WANG Xin</a> , "An integrated workflow for biomarker development using microRNAs in extracellular vesicles for cancer precision medicine", <i>Seminars in Cancer Biology</i> , 22 March 2021, doi: <a href="https://doi.org/10.1016/j.semcan.2021.03.011">https://doi.org/10.1016/j.semcan.2021.03.011</a> .
	<a href="#">CHEN Shi-Lu</a> , # <a href="#">ZHU Zhongxu</a> , <a href="#">YANG Xia</a> , <a href="#">LIU Li-Li</a> , <a href="#">HE Yang-Fan</a> , <a href="#">YANG Ming-Ming</a> , <a href="#">GUAN Xin-Yuan</a> , <a href="#">WANG Xin</a> , <a href="#">YUN Jing-Ping</a> , "Cleavage and Polyadenylation Specific Factor 1 Promotes Tumor Progression via Alternative Polyadenylation and Splicing in Hepatocellular Carcinoma", <i>Frontiers in Cell and Developmental Biology</i> , 9, 04 March 2021, doi: <a href="https://doi.org/10.3389/fcell.2021.616835">https://doi.org/10.3389/fcell.2021.616835</a> .
<b>Conference papers</b>	

Section A: Publications of PhD Students

<b>JIANG Hehai</b>	#JIANG Hehai, #GUO Anni, <u>CHIU Arthur</u> , #LI Huanhuan, LAI Cora Sau Wan, <u>LAU Chun Yue Geoffrey</u> , "Target-specific control of piriform cortical output via recruitment of distinct inhibitory circuits", <i>SfN Global Connectome</i> , Virtual Event, 11-13 January 2021.
<b>Patents, agreements, assignments and companies</b>	
<b>HOSSAIN Md Monir</b>	<u>HE Jufang</u> , <u>LI Xiao</u> , #TAN Ailian, #XU Shenghui, #PENG Yujie, #YANG Yujie, #ZHANG Xu, #HOSSAIN Md Monir, Method And Composition for Treating Epilepsy, Patent No.: US10,881,667, United States, 05 January 2021.
<b>PENG Yujie</b>	<u>HE Jufang</u> , <u>LI Xiao</u> , #TAN Ailian, #XU Shenghui, #PENG Yujie, #YANG Yujie, #ZHANG Xu, #HOSSAIN Md Monir, Method And Composition for Treating Epilepsy, Patent No.: US10,881,667, United States, 05 January 2021.
<b>TAN Ailian</b>	<u>HE Jufang</u> , <u>LI Xiao</u> , #TAN Ailian, #XU Shenghui, #PENG Yujie, #YANG Yujie, #ZHANG Xu, #HOSSAIN Md Monir, Method And Composition for Treating Epilepsy, Patent No.: US10,881,667, United States, 05 January 2021.
<b>XU Shenghui</b>	<u>HE Jufang</u> , <u>LI Xiao</u> , #TAN Ailian, #XU Shenghui, #PENG Yujie, #YANG Yujie, #ZHANG Xu, #HOSSAIN Md Monir, Method And Composition for Treating Epilepsy, Patent No.: US10,881,667, United States, 05 January 2021.
<b>YANG Yujie</b>	<u>HE Jufang</u> , <u>LI Xiao</u> , #TAN Ailian, #XU Shenghui, #PENG Yujie, #YANG Yujie, #ZHANG Xu, #HOSSAIN Md Monir, Method And Composition for Treating Epilepsy, Patent No.: US10,881,667, United States, 05 January 2021.
<b>ZHANG Xu</b>	<u>HE Jufang</u> , <u>LI Xiao</u> , #TAN Ailian, #XU Shenghui, #PENG Yujie, #YANG Yujie, #ZHANG Xu, #HOSSAIN Md Monir, Method And Composition for Treating Epilepsy, Patent No.: US10,881,667, United States, 05 January 2021.
<b>ZHOU Fanghang</b>	<u>HE Mingliang</u> , #ZHOU Fanghang, <u>CHEN Ying</u> , Polypeptide And Application Thereof, Patent No.: ZL201810678621.3, China, 18 May 2021.
<b>All other outputs</b>	
<b>AL AZAD Muha Ajijur Rahman</b>	#AL AZAD Muha Ajijur Rahman, <i>Structure and Preservation Study of Cartilaginous Fish Sperms</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 11 May 2021.
<b>ALAM Md Kowsar</b>	#ALAM Md Kowsar, <i>Single-cell Migration Heterogeneity Under Spatial Confinement Using Microfluidic Platform</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 13 January 2021.
<b>DELLISANTI Walter</b>	#DELLISANTI Walter, <i>The Health Status of Hong Kong Coral <i>Platygyra Carnosa</i> and the In-Situ Observations of Its Metabolic Performance</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 14 December 2020.
<b>FENG Zhuoying</b>	#FENG Zhuoying, <i>Antagonizing NSDHL Mediates Innate Immunity Suppression through IFNAR1 Degradation and Facilitates Hepatitis B Virus Replication</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 07 May 2021.
<b>GUO Xuejiao</b>	#GUO Xuejiao, <i>Development of Novel Multifunctional Photosensitizing Systems for Cancer Treatment</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 07 September 2020.
<b>HU Jianyang</b>	#HU Jianyang, <i>Mechanisms and Regulation of TCOF1 and FOXC1 in the Pathogenesis of Triple-negative Breast Cancer</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 05 August 2020.
<b>IQBAL Zafar</b>	#IQBAL Zafar, <i>Adrenergic Astrocyte Signaling in the Anterior Cingulate Cortex (ACC) Contributes to Visceral Pain Aversive Learning and Memory in Rats</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 30 September 2020.
<b>JENDRICHOVSKY Peter</b>	#JENDRICHOVSKY Peter, <i>Treatment of Tinnitus with Cholecystokinin-mediated Neuroplasticity</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 11 January 2021.
<b>JESKY Robert George</b>	#JESKY Robert George, <i>Cholecystokinin G Protein-coupled Receptor Activation in the Hippocampus Signals through the Ras-Raf-MEK-MAPK Pathway Leading to CCK-induced Long-term Potentiation</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 22 December 2020.

Section A: Publications of PhD Students

<b>JIANG Hehai</b>	#JIANG Hehai, <i>Connectivity and Plasticity of Inhibitory Circuits in the Mouse Anterior Piriform Cortex</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 28 August 2020.
<b>LEE Sunghun</b>	#LEE Sunghun, <i>Development of Novel Strategies to Synergistically Improves Cardiac Function and Vascular Regeneration Following Myocardial Infarction</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 17 August 2020.
<b>LI Huangcan</b>	#LI Huangcan, <i>The New Function and Molecular Mechanism of LRP-receptor Associated Protein (RAP) Used by Viruses to Evade Host Cell's Innate Immunity</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 04 January 2021.
<b>LI Kongyan</b>	#LI Kongyan, <i>Interaural Time Difference Processing in Wistar Rats: Sensitivity and Temporal Weighting</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 02 November 2020.
<b>LI Ying</b>	#LI Ying, <i>Dissecting the Molecular Heterogeneity of Ulcerative Colitis and Colorectal Cancer</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 12 January 2021.
<b>LI Yongxin</b>	#LI Yongxin, <i>Self-assembled Amino Acid- and Short Peptide-based Photosensitizing Nanomaterials for Antitumor Photoynamic and Photothermal Therapy</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 18 September 2020.
<b>LIU Jiaxian</b>	#LIU Jiaxian, <i>A Study of Histone H2B Mutations in Cancer</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 26 November 2020.
<b>LIU Liangzhe</b>	#LIU Liangzhe, <i>Characterization and Functional Study of Escherichia Coli Outer Membrane Vesicles</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 17 December 2020.
<b>MARYAM Alishba</b>	#MARYAM Alishba, <i>Regulation and Mechanistic Functions of ANLN in Triple-negative Breast Cancer</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 26 May 2021.
<b>MING Chang</b>	#MING Chang, <i>Comparison of Differential Activities of Three Basic Helix-Loop-Helix Transcription Factors in Stimulating Proliferation and Dedifferentiation of Müller Glia in Mouse Retina</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 16 February 2021.
<b>MISHRA Ambika Prasad</b>	#MISHRA Ambika Prasad, <i>Natural Sound Statistics in Auditory Scene Analysis</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 30 September 2020.
<b>MOO Ching Yee</b>	#MOO Ching Yee, <i>Syk-mediated Protein Degradation Serves as a Regulatory Mechanism in Terminal Erythropoiesis</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 03 December 2020.
<b>PENG Boya</b>	#PENG Boya, <i>Small RNA Delivery by Extracellular Vesicles in Cancer Signaling and Cancer Treatments</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 21 August 2020.
<b>PENG Yujie</b>	#PENG Yujie, <i>Roles of GABAergic and Glutamatergic Cholecystokinin Neurons in Cortical LTD and LTP</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 12 January 2021.
<b>PHAM Chanh Tin</b>	#PHAM Chanh Tin, <i>Covalent Conjugation of Extracellular Vesicles with Peptides and Nanobodies for Specific Delivery of Anticancer Drugs</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 02 September 2020.
<b>SIMENEH Zemenu Mengistie</b>	#SIMENEH Zemenu Mengistie, <i>Development of Multiplex Digital PCR and Real-time PCR Assays for Detection of DNA Mutations, RNA Fusion and miRNA in Blood and in Single Cells</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 01 March 2021.
<b>TAN Ailian</b>	#TAN Ailian, <i>Drug-resistant Temporal Lobe Epilepsy Suppressed by Inhibiting the Entorhinal Cortex in the Mouse</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 06 January 2021.
<b>TANG Peng</b>	#TANG Peng, <i>Amplified Auditory Response Following Activation of the Projection from Anterior Cingulate Cortex Leads to Increased Flight Behavior of the Mouse</i> , PhD Thesis,

Section A: Publications of PhD Students

	Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 14 January 2021.
<b>WANG Dawei</b>	# <u>WANG Dawei</u> , <i>Functional and Mechanistic Study of CapZ and FAM129B as Two Novel Regulators in Endolysosomal Trafficking</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 02 February 2021.
<b>WANG Tingting</b>	# <u>WANG Tingting</u> , <i>DNA-Binding Specificities of Transcription Factors in Pseudomonads and the Effects of c-di-GMP in Pseudomonas Syringae</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 02 September 2020.
<b>WANG Zhaoyue</b>	# <u>WANG Zhaoyue</u> , <i>Development of Bioinspired Antimicrobial Surfaces for Pathogen Spread Control</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 09 April 2021.
<b>WEI Likun</b>	# <u>WEI Likun</u> , <i>Bamboo Sharks for Affordable Single Domain Antibody Production</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 18 March 2021.
<b>WONG Yin Ting</b>	# <u>WONG Yin Ting</u> , <i>Presynaptic NMDA Receptors Control the Release of Cholecystokinin that Induces Hippocampal LTP</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 04 December 2020.
<b>XIE Yingpeng</b>	# <u>XIE Yingpeng</u> , <i>Study on Molecular Mechanism and Regulatory Network of Two-component Systems in Pseudomonas syringae</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 23 July 2020.
<b>YE Zuodong</b>	# <u>YE Zuodong</u> , <i>Development of 6-morpholino-1,3,5-triazine Derivatives as Novel Anti-metastatic and Anti-cancer Immune Evasion Drugs Based on Endosomal Trafficking</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 02 February 2021.
<b>ZHANG Jianqiang</b>	# <u>ZHANG Jianqiang</u> , <i>Development of Adaptable Materials for Manipulating Droplet and Bubble</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 14 August 2020.
<b>ZHANG Nan</b>	# <u>ZHANG Nan</u> , <i>Administration of Cholecystokinin B Receptor Agonists Improves Synaptic Plasticity and Cognition of Aged Alzheimer's Disease Mice</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 14 January 2021.
<b>ZHANG Yuchen</b>	# <u>ZHANG Yuchen</u> , <i>Network Inference from Multi-omics and Phenotypic Profiles</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 13 January 2021.
<b>ZHOU Fanghang</b>	# <u>ZHOU Fanghang</u> , <i>The Molecular Mechanisms of PIM1 Facilitate Positive-sense Single-stranded RNA Virus Replication</i> , PhD Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 23 November 2020.
<b>DEPARTMENT OF INFECTIOUS DISEASES AND PUBLIC HEALTH</b>	
<b>Journal publications</b>	
<b>CHEN Weiyi</b>	NAM Sangwoo, GA Yun Ji, LEE Joo-Youn, HWANG Woo-Yeon, JUNG Eunhye, SHIN Jin Soo, # <u>CHEN Weiyi</u> , CHOI Gildon, ZHOU Bin, YEH Jung-Yong, <u>GO Yun Young</u> , "Radicicol Inhibits Chikungunya Virus Replication by Targeting Nonstructural Protein 2", <i>Antimicrobial Agents and Chemotherapy</i> , 65(7), 26 April 2021, doi: <a href="https://doi.org/10.1128/AAC.00135-21">https://doi.org/10.1128/AAC.00135-21</a> .
<b>HUSSAIN Sabir</b>	# <u>HUSSAIN Sabir</u> , HUSSAIN Abrar, <u>HO Jeffery</u> , <u>LI Jun</u> , GEORGE David, REHMAN Abdul, ZEB Jehan, SPARAGANO Olivier Andre, "An Epidemiological Survey Regarding Ticks and Tick-Borne Diseases among Livestock Owners in Punjab, Pakistan: A One Health Context", <i>Pathogens</i> , 10(3), 18 March 2021, doi: <a href="https://doi.org/10.3390/pathogens10030361">https://doi.org/10.3390/pathogens10030361</a> .
	# <u>HUSSAIN Sabir</u> , HUSSAIN Abrar, <u>HO Jeffery</u> , SPARAGANO Olivier Andre, ZIA Ubaid-ur-Rehman, "Economic and Social Impacts of COVID-19 on Animal Welfare and Dairy Husbandry in Central Punjab, Pakistan", <i>Frontiers in Veterinary Science</i> , 7, 23 October 2020, doi: <a href="https://doi.org/10.3389/fvets.2020.589971">https://doi.org/10.3389/fvets.2020.589971</a> .
	<u>HO Jeffery</u> , # <u>HUSSAIN Sabir</u> , SPARAGANO Olivier Andre, "Did the COVID-19 Pandemic Spark a Public Interest in Pet Adoption?", <i>Frontiers in Veterinary Science</i> , 8, 07 May 2021, doi: <a href="https://doi.org/10.3389/fvets.2021.647308">https://doi.org/10.3389/fvets.2021.647308</a> .
	<u>HO Jeffery</u> , CHANGBUNJONG Tanasak, WELUWANARAK Thekhawet, # <u>HUSSAIN Sabir</u> , SPARAGANO Olivier Andre, "The pests of a pest: A systematic review of ectoparasitic fauna



Section A: Publications of PhD Students

	<p>among synanthropic rodents in the 21st century with meta-analysis", <i>Acta Tropica</i>, 215, 23 December 2020, doi: <a href="https://doi.org/10.1016/j.actatropica.2020.105802">https://doi.org/10.1016/j.actatropica.2020.105802</a>.</p> <p>#<a href="#">HUSSAIN Sabir</a>, <a href="#">HUSSAIN Abrar</a>, <a href="#">ZIA Ubaid-ur-Rehman</a>, <a href="#">NAQVI Syed Musa Raza</a>, <a href="#">ZAHOR Muhammad Yasir</a>, <a href="#">BILAL Muhammad</a>, <a href="#">HO Jeffery</a>, <a href="#">SPARAGANO Olivier Andre</a>, "Knowledge, attitude, and practices associated with brucellosis among livestock owners and its public health impact in Punjab, Pakistan", <i>Biologia</i>, 76(10), 20 April 2021, pp 2921–2929, doi: <a href="https://doi.org/10.1007/s11756-021-00765-2">https://doi.org/10.1007/s11756-021-00765-2</a>.</p>
<b>JAHANGIRI Ladan</b>	# <a href="#">JAHANGIRI Ladan</a> , <a href="#">SHINN Andrew P.</a> , <a href="#">PRATOOMYOT Jarunan</a> , <a href="#">BASTOS GOMES Giana</a> , "Unveiling associations between ciliate parasites and bacterial microbiomes under warm-water fish farm conditions – a review", <i>Reviews in Aquaculture</i> , 13(2), 28 October 2020, pp 1097-1118, doi: <a href="https://doi.org/10.1111/raq.12514">https://doi.org/10.1111/raq.12514</a> .
<b>LIU Jun</b>	<a href="#">YI Lanhua</a> , <a href="#">ZENG Ping</a> , # <a href="#">LIU Jun</a> , <a href="#">WONG Kwok-Yin</a> , <a href="#">CHAN Wai Chi</a> , <a href="#">LIN Yanbing</a> , <a href="#">CHAN Kin Fai</a> , <a href="#">CHEN Sheng</a> , "Antimicrobial peptide zp37 inhibits <i>Escherichia coli</i> O157:H7 in alfalfa sprouts by inflicting damage in cell membrane and binding to DNA", <i>LWT - Food Science and Technology</i> , 146, 31 March 2021, doi: <a href="https://doi.org/10.1016/j.lwt.2021.111392">https://doi.org/10.1016/j.lwt.2021.111392</a> .
<b>TAN Lu</b>	# <a href="#">TAN Lu</a> , # <a href="#">ZHANG Yiwen</a> , # <a href="#">WANG Xingxing</a> , <a href="#">KIM Dal Young</a> , "A Productive Expression Platform Derived from Host-Restricted Eilat Virus: Its Extensive Validation and Novel Strategy", <i>Viruses</i> , 13(4), 11 April 2021, doi: <a href="https://doi.org/10.3390/v13040660">https://doi.org/10.3390/v13040660</a> .
<b>WANG Xiuwan</b>	<a href="#">BRUSSEL Kate Van</a> , # <a href="#">WANG Xiuwan</a> , <a href="#">SHI Mang</a> , <a href="#">CARRAI Maura</a> , <a href="#">LI Jun</a> , <a href="#">MARTELLA Vito</a> , <a href="#">BEATTY Julia Anne</a> , <a href="#">HOLMES Edward C.</a> , <a href="#">BARRS Vanessa Rosemary Duke</a> , "Identification of Novel Astroviruses in the Gastrointestinal Tract of Domestic Cats", <i>Viruses</i> , 12(11), 12 November 2020, doi: <a href="https://doi.org/10.3390/v12111301">https://doi.org/10.3390/v12111301</a> .
<b>XIE Miaomiao</b>	<p>#<a href="#">XIE Miaomiao</a>, #<a href="#">YANG Xuemei</a>, #<a href="#">XU Qi</a>, <a href="#">YE Lianwei</a>, <a href="#">CHEN Kaichao</a>, <a href="#">ZHENG Zhiwei</a>, <a href="#">DONG Ning</a>, <a href="#">SUN Qiaoling</a>, <a href="#">SHU Lingbin</a>, <a href="#">GU Danxia</a>, <a href="#">CHAN Wai Chi</a>, <a href="#">ZHANG Rong</a>, <a href="#">CHEN Sheng</a>, "Clinical evolution of ST11 carbapenem resistant and hypervirulent <i>Klebsiella pneumoniae</i>", <i>Communications Biology</i>, 4, 01 June 2021, doi: <a href="https://doi.org/10.1038/s42003-021-02148-4">https://doi.org/10.1038/s42003-021-02148-4</a>.</p> <p><a href="#">CHEN Kaichao</a>, #<a href="#">YANG Chen</a>, <a href="#">DONG Ning</a>, #<a href="#">XIE Miaomiao</a>, <a href="#">YE Lianwei</a>, <a href="#">CHAN Edward Wai Chi</a>, <a href="#">CHEN Sheng</a>, "Evolution of Ciprofloxacin Resistance-Encoding Genetic Elements in Salmonella", <i>mSystems</i>, 5(6), 22 December 2020, doi: <a href="https://doi.org/10.1128/mSystems.01234-20">https://doi.org/10.1128/mSystems.01234-20</a>.</p> <p>#<a href="#">XIE Miaomiao</a>, <a href="#">DONG Ning</a>, <a href="#">CHEN Kaichao</a>, #<a href="#">YANG Xuemei</a>, <a href="#">YE Lianwei</a>, <a href="#">CHAN Edward</a>, <a href="#">ZHANG Rong</a>, <a href="#">CHEN Sheng</a>, "A hybrid plasmid formed by recombination of a virulence plasmid and a resistance plasmid in <i>Klebsiella pneumoniae</i>", <i>Journal of Global Antimicrobial Resistance</i>, 23, 16 November 2020, pp 466-470, doi: <a href="https://doi.org/10.1016/j.jgar.2020.10.018">https://doi.org/10.1016/j.jgar.2020.10.018</a>.</p>
<b>XU Qi</b>	# <a href="#">XIE Miaomiao</a> , # <a href="#">YANG Xuemei</a> , # <a href="#">XU Qi</a> , <a href="#">YE Lianwei</a> , <a href="#">CHEN Kaichao</a> , <a href="#">ZHENG Zhiwei</a> , <a href="#">DONG Ning</a> , <a href="#">SUN Qiaoling</a> , <a href="#">SHU Lingbin</a> , <a href="#">GU Danxia</a> , <a href="#">CHAN Wai Chi</a> , <a href="#">ZHANG Rong</a> , <a href="#">CHEN Sheng</a> , "Clinical evolution of ST11 carbapenem resistant and hypervirulent <i>Klebsiella pneumoniae</i> ", <i>Communications Biology</i> , 4, 01 June 2021, doi: <a href="https://doi.org/10.1038/s42003-021-02148-4">https://doi.org/10.1038/s42003-021-02148-4</a> .
<b>YANG Chen</b>	<p><a href="#">CHEN Kaichao</a>, #<a href="#">YANG Chen</a>, <a href="#">CHAN Edward</a>, <a href="#">CHEN Sheng</a>, "Emergence of conjugative IncC type plasmid simultaneously encoding resistance to ciprofloxacin, ceftriaxone and azithromycin in Salmonella", <i>Antimicrobial Agents and Chemotherapy</i>, 65(9), 14 June 2021, doi: <a href="https://doi.org/10.1128/AAC.01046-21">https://doi.org/10.1128/AAC.01046-21</a>.</p> <p><a href="#">CHEN Kaichao</a>, #<a href="#">YANG Chen</a>, <a href="#">DONG Ning</a>, #<a href="#">XIE Miaomiao</a>, <a href="#">YE Lianwei</a>, <a href="#">CHAN Edward Wai Chi</a>, <a href="#">CHEN Sheng</a>, "Evolution of Ciprofloxacin Resistance-Encoding Genetic Elements in Salmonella", <i>mSystems</i>, 5(6), 22 December 2020, doi: <a href="https://doi.org/10.1128/mSystems.01234-20">https://doi.org/10.1128/mSystems.01234-20</a>.</p> <p><a href="#">WANG Miaomiao</a>, <a href="#">CHAN Edward</a>, #<a href="#">YANG Chen</a>, <a href="#">CHEN Kaichao</a>, <a href="#">SO Pui-Kin</a>, <a href="#">CHEN Sheng</a>, "N-Acetyl-D-Glucosamine Acts as Adjuvant that Re-Sensitizes Starvation-Induced Antibiotic-Tolerant Population of <i>E. Coli</i> to <math>\beta</math>-Lactam", <i>iScience</i>, 23(11), 28 October 2020, doi: <a href="https://doi.org/10.1016/j.isci.2020.101740">https://doi.org/10.1016/j.isci.2020.101740</a>.</p>

Section A: Publications of PhD Students

<b>YANG Xuemei</b>	# <u>YANG Xuemei</u> , <u>YE Lianwei</u> , WAI-CHI CHAN Edward, ZHANG Rong, <u>CHEN Sheng</u> , "Tracking Recombination Events That Occur in Conjugative Virulence Plasmid p15WZ-82_Vir during the Transmission Process", <i>mSystems</i> , 5(4), 14 July 2020, doi: <a href="https://doi.org/10.1128/mSystems.00140-20">https://doi.org/10.1128/mSystems.00140-20</a> .
	# <u>YANG Xuemei</u> , <u>YE Lianwei</u> , LI Yi, CHAN Edward Wai-chi, ZHANG Rong, <u>CHEN Sheng</u> , "Identification of a Chromosomal Integrated DNA Fragment Containing the <i>rmpA2</i> and <i>iucABCDiutA</i> Virulence Genes in <i>Klebsiella pneumoniae</i> ", <i>mSphere</i> , 5(6), 23 December 2020, doi: <a href="https://doi.org/10.1128/mSphere.01179-20">https://doi.org/10.1128/mSphere.01179-20</a> .
	# <u>XIE Miaomiao</u> , # <u>YANG Xuemei</u> , # <u>XU Qi</u> , <u>YE Lianwei</u> , <u>CHEN Kaichao</u> , ZHENG Zhiwei, <u>DONG Ning</u> , SUN Qiaoling, SHU Lingbin, GU Danxia, <u>CHAN Wai Chi</u> , ZHANG Rong, <u>CHEN Sheng</u> , "Clinical evolution of ST11 carbapenem resistant and hypervirulent <i>Klebsiella pneumoniae</i> ", <i>Communications Biology</i> , 4, 01 June 2021, doi: <a href="https://doi.org/10.1038/s42003-021-02148-4">https://doi.org/10.1038/s42003-021-02148-4</a> .
	# <u>XIE Miaomiao</u> , <u>DONG Ning</u> , <u>CHEN Kaichao</u> , # <u>YANG Xuemei</u> , <u>YE Lianwei</u> , CHAN Edward, ZHANG Rong, <u>CHEN Sheng</u> , "A hybrid plasmid formed by recombination of a virulence plasmid and a resistance plasmid in <i>Klebsiella pneumoniae</i> ", <i>Journal of Global Antimicrobial Resistance</i> , 23, 16 November 2020, pp 466-470, doi: <a href="https://doi.org/10.1016/j.jgar.2020.10.018">https://doi.org/10.1016/j.jgar.2020.10.018</a> .
	# <u>YANG Xuemei</u> , <u>YE Lianwei</u> , CHAN Edward, ZHANG Rong, <u>CHEN Sheng</u> , "Characterization of an IncFIB/IncHI1B Plasmid Encoding Efflux Pump TMexCD1-TOprJ1 in a Clinical Tigecycline- and Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Strain", <i>Antimicrobial Agents and Chemotherapy</i> , 65(4), 18 March 2021, doi: <a href="https://doi.org/10.1128/AAC.02340-20">https://doi.org/10.1128/AAC.02340-20</a> .
<b>ZHANG Yiwen</b>	# <u>TAN Lu</u> , # <u>ZHANG Yiwen</u> , # <u>WANG Xingxing</u> , KIM Dal Young, "A Productive Expression Platform Derived from Host-Restricted Eilat Virus: Its Extensive Validation and Novel Strategy", <i>Viruses</i> , 13(4), 11 April 2021, doi: <a href="https://doi.org/10.3390/v13040660">https://doi.org/10.3390/v13040660</a> .
<b>Conference papers</b>	
<b>HUSSAIN Sabir</b>	# <u>HUSSAIN Sabir</u> , HUSSAIN A., <u>HO Jeffery</u> , <u>LI Jun</u> , GEORGE David, <u>SPARAGANO Olivier Andre</u> , "TICK CONTROL IN THE BOVINE POPULATION OF PAKISTAN: A STEP TOWARDS ANIMAL WELFARE", <i>Universities Federation for Animal Welfare Animal Welfare Conference (UFAW 2021)</i> , Virtual, 29-30 June 2021.
<b>MAO Axiu</b>	# <u>HUANG Endaj</u> , # <u>MAO Axiu</u> , <u>LIU Kai</u> , XUE Yueju, "Deep learning-based assessment of laying-hen feather conditions using color and thermal images", <i>2nd Asian Conference on Precision Livestock Farming (ACPLF2020)</i> , China Agricultural University, Beijing, China, 19-21 October 2020.
<b>DEPARTMENT OF NEUROSCIENCE</b>	
<b>Journal publications</b>	
<b>AN Hyunjung</b>	# <u>LUO Dan</u> , # <u>LI Kongyan</u> , # <u>AN Hyunjung</u> , <u>SCHNUPP Jan</u> , <u>AUKSZTULEWICZ Ryszard</u> , "Learning boosts the decoding of sound sequences in rat auditory cortex", <i>Current Research in Neurobiology</i> , 2, 2021, doi: <a href="https://doi.org/10.1016/j.crneur.2021.100019">https://doi.org/10.1016/j.crneur.2021.100019</a> .
	# <u>AN Hyunjung</u> , HO KEI Shing, <u>AUKSZTULEWICZ Ryszard</u> , <u>SCHNUPP Jan</u> , "Do Auditory Mismatch Responses Differ Between Acoustic Features?", <i>Frontiers in Human Neuroscience</i> , 15, 01 February 2021, doi: <a href="https://doi.org/10.3389/fnhum.2021.613903">https://doi.org/10.3389/fnhum.2021.613903</a> .
	KANG Hijee, <u>AUKSZTULEWICZ Ryszard</u> , # <u>AN Hyunjung</u> , <u>ABI CHACRA Nicolas</u> , SUTTER Mitchell L., <u>SCHNUPP Jan</u> , "Neural Correlates of Auditory Pattern Learning in the Auditory Cortex", <i>Frontiers in Neuroscience</i> , 15, 15 March 2021, doi: <a href="https://doi.org/10.3389/fnins.2021.610978">https://doi.org/10.3389/fnins.2021.610978</a> .
<b>CAPPOTTO Drew</b>	# <u>CAPPOTTO Drew</u> , <u>AUKSZTULEWICZ Ryszard</u> , <u>KANG Hi Jee</u> , POEPEL David, MELLONI Lucia, <u>SCHNUPP Jan</u> , "Decoding the Content of Auditory Sensory Memory Across Species", <i>Cerebral Cortex</i> , 31(7), 24 February 2021, pp 3226–3236, doi: <a href="https://doi.org/10.1093/cercor/bhab002">https://doi.org/10.1093/cercor/bhab002</a> .
<b>CHOI Gona</b>	# <u>CHOI Gona</u> , KANG Hyeri, CHU Wenkei, YANG Sunggu, <u>YANG Sungchil</u> , "Dynamics of longitudinal dentate gyrus axons associated with seizure", <i>Journal of Physiology</i> , 599(8), 06 March 2021, pp 2273-2281, doi: <a href="https://doi.org/10.1113/JP281056">https://doi.org/10.1113/JP281056</a> .
<b>FANG Shiyi</b>	<u>XIE Hui</u> , <u>WANG Yi</u> , # <u>YE Zixin</u> , # <u>FANG Shiyi</u> , XU Zhen, WU Tianzhun, <u>CHAN L H Leanne</u> , "Monitoring Cortical Response and Electrode-Retina Impedance Under Epiretinal Stimulation

Section A: Publications of PhD Students

	in Rats", <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 29, 21 June 2021, pp 1178-1187, doi: <a href="https://doi.org/10.1109/TNSRE.2021.3090904">https://doi.org/10.1109/TNSRE.2021.3090904</a> .
<b>LUO Dan</b>	# <a href="#">LUO Dan</a> , # <a href="#">LI Kongyan</a> , # <a href="#">AN Hyunjung</a> , # <a href="#">SCHNUPP Jan</a> , # <a href="#">AUKSZTULEWICZ Ryszard</a> , "Learning boosts the decoding of sound sequences in rat auditory cortex", <i>Current Research in Neurobiology</i> , 2, 2021, doi: <a href="https://doi.org/10.1016/j.crneur.2021.100019">https://doi.org/10.1016/j.crneur.2021.100019</a> . 宋蓓, 侯建成, # <a href="#">LUO Dan</a> , 周加仙, "音乐训练的“关键期”与“敏感期”及其音乐教育启示", <i>教育生物学杂志</i> , 8(4), 25 December 2020, pp 278-285.
<b>YANG Tian</b>	# <a href="#">XU Chen</a> , # <a href="#">THAKUR Abhimanyu</a> , # <a href="#">LI Zebiao</a> , # <a href="#">YANG Tian</a> , # <a href="#">ZHAO Chenghao</a> , # <a href="#">LI Yangyang</a> , # <a href="#">LEE Youngjin</a> , # <a href="#">WU Lawrence</a> , "Determination of glioma cells' malignancy and their response to TMZ via detecting exosomal BIGH3 by a TiO <sub>2</sub> -CTFE-AuNIs plasmonic biosensor", <i>Chemical Engineering Journal</i> , 415, 14 February 2021, doi: <a href="https://doi.org/10.1016/j.cej.2021.128948">https://doi.org/10.1016/j.cej.2021.128948</a> .
<b>Conference papers</b>	
<b>LI Huanhuan</b>	# <a href="#">JIANG Hehai</a> , # <a href="#">GUO Anni</a> , # <a href="#">CHIU Arthur</a> , # <a href="#">LI Huanhuan</a> , # <a href="#">LAI Cora Sau Wan</a> , # <a href="#">LAU Chun Yue Geoffrey</a> , "Target-specific control of piriform cortical output via recruitment of distinct inhibitory circuits", <i>SfN Global Connectome</i> , Virtual Event, 11-13 January 2021.
<b>All other outputs</b>	
<b>AN Hyunjung</b>	# <a href="#">AN Hyunjung</a> , <i>Predictive Processing of Multiple Acoustic Features in the Auditory Cortex</i> , PhD Thesis, Department of Neuroscience, City University of Hong Kong, Hong Kong, PRC, 29 June 2021.
<b>BUCK Alexa Nadezhda</b>	# <a href="#">BUCK Alexa Nadezhda</a> , <i>Temporal Spatial Perception under Electric Hearing</i> , PhD Thesis, Department of Neuroscience, City University of Hong Kong, Hong Kong, PRC, 23 June 2021.
<b>CHOI Gona</b>	# <a href="#">CHOI Gona</a> , <i>Dynamics of Hippocampal Networks in Health and Diseases</i> , PhD Thesis, Department of Neuroscience, City University of Hong Kong, Hong Kong, PRC, 06 May 2021.
<b>DEPARTMENT OF VETERINARY CLINICAL SCIENCES</b>	
<b>Journal publications</b>	
<b>BUKHARI Syed Saad UI Hassan</b>	# <a href="#">BUKHARI Syed Saad UI Hassan</a> , # <a href="#">MCELLIGOTT Alan Gerard</a> , # <a href="#">PARKES Rebecca Sarah Victoria</a> , "Quantifying the Impact of Mounted Load Carrying on Equids: A Review", <i>Animals</i> , 11(5), 07 May 2021, doi: <a href="https://doi.org/10.3390/ani11051333">https://doi.org/10.3390/ani11051333</a> .
<b>JOCKEY CLUB COLLEGE OF VETERINARY MEDICINE AND LIFE SCIENCES</b>	
<b>Scholarly books, monographs and chapters</b>	
<b>HUANG Hao</b>	# <a href="#">ZHU Zhongxu</a> , # <a href="#">HAN Guiyuan</a> , # <a href="#">HUANG Hao</a> , # <a href="#">HE Lingli</a> , # <a href="#">CHEN Yu</a> , # <a href="#">KE Jia</a> , # <a href="#">GAO Feng</a> , # <a href="#">VERMEULEN Louis</a> , # <a href="#">WANG Xin</a> , "Genome-wide Discovery of MicroRNA Biomarkers for Cancer Precision Medicine", <i>Detection Methods in Precision Medicine</i> , Thompson Michael and Yang Mengsu (eds), Royal Society of Chemistry, ISBN: 978-1-78801-761-9, 978-1-78801-996-5, 14 December 2020, pp 3-34.
<b>KIM Younjung</b>	# <a href="#">PFEIFFER Dirk Udo</a> , # <a href="#">HO Jeremy H. P.</a> , # <a href="#">BREMANG Andrew</a> , # <a href="#">KIM Younjung</a> , OIE team and including, <i>Compartmentalisation Guidelines – African Swine Fever</i> , World Organisation for Animal Health, ISBN: 978-92-95115-64-4, Paris, France, 2021, 148 p.
<b>SONG Dan</b>	# <a href="#">HE Mingliang</a> , # <a href="#">WAN Qianya</a> , # <a href="#">SONG Dan</a> , # <a href="#">HE Betsy</a> , "Stress Biology - Stress Proteins: Biological Functions, Human Diseases, and Virus Infections", <i>English</i> , Springer Nature, May 2021.
<b>Journal publications</b>	
<b>CHANG Yu Chen</b>	# <a href="#">HUANG Suihong</a> , # <a href="#">CHOI Ming Ho</a> , # <a href="#">HUANG Hao</a> , # <a href="#">WANG Xin</a> , # <a href="#">CHANG Yu Chen</a> , # <a href="#">KIM Jin Young</a> , "Demyelination Regulates the Circadian Transcription Factor BMAL1 to Signal Adult Neural Stem Cells to Initiate Oligodendrogenesis", <i>Cell Reports</i> , 33(7), 17 November 2020, doi: <a href="https://doi.org/10.1016/j.celrep.2020.108394">https://doi.org/10.1016/j.celrep.2020.108394</a> .
<b>CHEN Sheng</b>	# <a href="#">CHEN Delin</a> , # <a href="#">TIAN Liwen</a> , # <a href="#">PO Kathy Hiu Laam</a> , # <a href="#">CHEN Sheng</a> , # <a href="#">LI Xuechen</a> , "Total synthesis and a systematic structure-activity relationship study of WAP-8294A2", <i>Bioorganic &amp; Medicinal Chemistry</i> , 28(18), 15 September 2020, pp 115677, doi: <a href="https://doi.org/10.1016/j.bmc.2020.115677">https://doi.org/10.1016/j.bmc.2020.115677</a> .
<b>FURTADO William Eduardo</b>	# <a href="#">FURTADO William Eduardo</a> , # <a href="#">CARDOSO Lucas</a> , # <a href="#">DE MEDEIROS Paula Brando</a> , # <a href="#">LEHMANN Nicollas Breda</a> , # <a href="#">DE AGUIAR BERTAGLIA Elisabeth</a> , # <a href="#">DA COSTA MARCHIORI Natalia</a> , # <a href="#">BERTOLDI Fabiano Cleber</a> , # <a href="#">MARTINS Mauricio Laterça</a> , "Antiparasitic potential of alternative treatments

Section A: Publications of PhD Students

	<p>against larval stages of <i>Lernaea cyprinacea</i>", <i>Journal of Parasitic Diseases</i>, 05 June 2021, doi: <a href="https://doi.org/10.1007/s12639-021-01400-2">https://doi.org/10.1007/s12639-021-01400-2</a>.</p> <p>ST-HILAIRE Sophie Natasha, CHENG Sandy, CHAN Stephen Chi Ho, LEUNG Chi Fai Aaron, CHAN Ka Man Karen, LIM Kwok Zu, #FURTADO William Eduardo, BASTOS GOMES Giana, "Emamectin Benzoate Treatment of Hybrid Grouper Infected With Sea Lice in Hong Kong", <i>Frontiers in Veterinary Science</i>, 8, 12 February 2021, doi: <a href="https://doi.org/10.3389/fvets.2021.646652">https://doi.org/10.3389/fvets.2021.646652</a>.</p>
<b>HOU Changshun</b>	<p>#YI Bo, WONG Yan Lung, #HOU Changshun, #ZHANG Jianqiang, XU Zhengtao, YAO Xi, "Coordination-Driven Assembly of Metal–Organic Framework Coating for Catalytically Active Superhydrophobic Surface", <i>Advanced Materials Interfaces</i>, 8(2), 27 September 2020, doi: <a href="https://doi.org/10.1002/admi.202001202">https://doi.org/10.1002/admi.202001202</a>.</p> <p>#HOU Changshun, XU Chen, #YI Bo, #HUANG Xin, #CAO Chunyan, LEE Youngjin, CHEN Sheng, YAO Xi, "Mechano-Induced Assembly of a Nanocomposite for “Press-N-Go” Coatings with Highly Efficient Surface Disinfection", <i>ACS Applied Materials and Interfaces</i>, 13(16), 19 April 2021, pp 19332–19341, doi: <a href="https://doi.org/10.1021/acsami.1c03156">https://doi.org/10.1021/acsami.1c03156</a>.</p> <p>#YI Bo, WANG Sheng, #HOU Changshun, #HUANG Xin, CUI Jiayi, YAO Xi, "Dynamic siloxane materials: From molecular engineering to emerging applications", <i>Chemical Engineering Journal</i>, 405, 15 September 2020, doi: <a href="https://doi.org/10.1016/j.cej.2020.127023">https://doi.org/10.1016/j.cej.2020.127023</a>.</p> <p>#HOU Changshun, HE Wenqing, #WANG Zhaoyue, #YI Bo, HU Zuojun, WANG Wei, DENG Xin, YAO Xi, "Particulate-Aggregated Adhesives with Exudate-Sensitive Properties and Sustained Bacteria Disinfection to Facilitate Wound Healing", <i>ACS applied materials &amp; interfaces</i>, 12(28), 02 July 2020, pp 31090-31098, doi: <a href="https://doi.org/10.1021/acsami.0c04920">https://doi.org/10.1021/acsami.0c04920</a>.</p>
<b>HUANG Hao</b>	<p>#CHEN Yu, #WU Tan, #ZHU Zhongxu, #HUANG Hao, ZHANG Liang, GOEL Ajay, YANG M, WANG Xin, "An integrated workflow for biomarker development using microRNAs in extracellular vesicles for cancer precision medicine", <i>Seminars in Cancer Biology</i>, 22 March 2021, doi: <a href="https://doi.org/10.1016/j.semcancer.2021.03.011">https://doi.org/10.1016/j.semcancer.2021.03.011</a>.</p> <p>#HUANG Suihong, #CHOI Ming Ho, #HUANG Hao, WANG Xin, #CHANG Yu Chen, KIM Jin Young, "Demyelination Regulates the Circadian Transcription Factor BMAL1 to Signal Adult Neural Stem Cells to Initiate Oligodendrogenesis", <i>Cell Reports</i>, 33(7), 17 November 2020, doi: <a href="https://doi.org/10.1016/j.celrep.2020.108394">https://doi.org/10.1016/j.celrep.2020.108394</a>.</p> <p>DU Yongming, YAN Yinxia, XIE Si, #HUANG Hao, WANG Xin, NG Ray Kit, ZHOU Ming-Ming, QIAN Chengmin, "Structural mechanism of bivalent histone H3K4me3K9me3 recognition by the Spindlin1/C11orf84 complex in rRNA transcription activation", <i>Nature Communications</i>, 12, 11 February 2021, doi: <a href="https://doi.org/10.1038/s41467-021-21236-x">https://doi.org/10.1038/s41467-021-21236-x</a>.</p> <p>SHAO Xiaolong, #TAN Miaomiao, #XIE Yingpeng, #YAO Chunyan, #WANG Tingting, #HUANG Hao, ZHANG Yingchao, #DING Yiqing, #LIU Jingui, #HAN Liangliang, #HUA Canfeng, WANG Xin, DENG Xin, "Integrated regulatory network in <i>Pseudomonas syringae</i> reveals dynamics of virulence", <i>Cell Reports</i>, 34(13), 30 March 2021, doi: <a href="https://doi.org/10.1016/j.celrep.2021.108920">https://doi.org/10.1016/j.celrep.2021.108920</a>.</p> <p>#HUANG Hao, HU Jianyang, #MARYAM Alishba, HUANG Qinghua, #ZHANG Yuchen, RAMAKRISHNAN Saravanan, #LI Jingyu, #MA Haiying, MA Victor W.S., CHEUK Wah, SO Grace Y. K., #WANG Wei, CHO William C.S., ZHANG Liang, CHAN Kui Ming, WANG Xin, CHIN Rebecca Y M, "Defining super-enhancer landscape in triple-negative breast cancer by multiomic profiling", <i>Nature Communications</i>, 12, 14 April 2021, doi: <a href="https://doi.org/10.1038/s41467-021-22445-0">https://doi.org/10.1038/s41467-021-22445-0</a>.</p>
<b>HUANG Qianjun</b>	<p>ZHENG Xiaocong, #HUANG Qianjun, ZHU Songqi, JIA Peng, WEN Zhiqing, ZHANG Na, WANG Jinjin, ZENG Shaoling, LIU Hong, "罗非鱼湖病毒病传入风险分析", <i>中国动物检疫</i>, 37(10), October 2020, pp 27-31, doi: <a href="https://doi.org/10.3969/j.issn.1005-944X.2020.10.006">https://doi.org/10.3969/j.issn.1005-944X.2020.10.006</a>.</p>
<b>HUANG Suihong</b>	<p>#HUANG Suihong, #CHOI Ming Ho, #HUANG Hao, WANG Xin, #CHANG Yu Chen, KIM Jin Young, "Demyelination Regulates the Circadian Transcription Factor BMAL1 to Signal Adult Neural Stem Cells to Initiate Oligodendrogenesis", <i>Cell Reports</i>, 33(7), 17 November 2020, doi: <a href="https://doi.org/10.1016/j.celrep.2020.108394">https://doi.org/10.1016/j.celrep.2020.108394</a>.</p> <p>#HUANG Suihong, #LU Qingqing, #CHOI Ming Ho, #ZHANG Xuebing, KIM Jin Young, "Applying real-time monitoring of circadian oscillations in adult mouse brain slices to study</p>

Section A: Publications of PhD Students

	communications between brain regions", <i>STAR Protocols</i> , 2(2), 31 March 2021, doi: <a href="https://doi.org/10.1016/j.xpro.2021.100416">https://doi.org/10.1016/j.xpro.2021.100416</a> .
<b>KIM Younjung</b>	YOO Dae Sung, #KIM Younjung, LEE Eune Sub, LIM Jun Sik, HONG Seong Keun, LEE Il Seob, JUNG Chung Sik, YOON Ha Chung, WEE Sung Hwan, PFEIFFER Dirk Udo, FOURNIÉ Guillaume, "Transmission Dynamics of African Swine Fever Virus, South Korea, 2019", <i>Emerging Infectious Diseases</i> , 27(7), 10 June 2021, pp 1909-1918, doi: <a href="https://doi.org/10.3201/eid2707.204230">https://doi.org/10.3201/eid2707.204230</a> . #KIM Younjung, MÉTRAS Raphaëlle, DOMMERGUES Laure, YOUSOUFFI Chouanibou, COMBO Sohibou, LE GODAIS Gilles, PFEIFFER Dirk Udo, CÊTRE-SOSSAH Catherine, CARDINALE Eric, FILLEUL Laurent, YOUSOUFF Hassani, SUBIROS Marion, FOURNIÉ Guillaume, "The role of livestock movements in the spread of Rift Valley fever virus in animals and humans in Mayotte, 2018-19", <i>PLoS Neglected Tropical Diseases</i> , 15(3), 08 March 2021, doi: <a href="https://doi.org/10.1371/journal.pntd.0009202">https://doi.org/10.1371/journal.pntd.0009202</a> .
<b>LAI Yuni</b>	#QI Lin, KE Jia, YU Zhaoliang, #CAO Yi, #LAI Yuni, CHEN Yufeng, GAO Feng, WANG Xin, "Identification of prognostic spatial organization features in colorectal cancer microenvironment using deep learning on histopathology images", <i>Medicine in Omics</i> , 11 February 2021, doi: <a href="https://doi.org/10.1016/j.meomic.2021.100008">https://doi.org/10.1016/j.meomic.2021.100008</a> .
<b>LAM Chun Ting</b>	WADA Masako, #LAM Chun Ting, ROSANOWSKI Sarah Margaret, PATANASATIENKUL Thitiwan, PRICE Derek, ST-HILAIRE Sophie Natasha, "Development of simulation models for transmission of Salmonid Rickettsial Septicaemia between salt water fish farms in Chile", <i>Transboundary and Emerging Diseases</i> , 68(3), 17 September 2020, pp 1586-1600, doi: <a href="https://doi.org/10.1111/tbed.13830">https://doi.org/10.1111/tbed.13830</a> .
<b>LEUNG Yue Hei</b>	#LEUNG Yue Hei, CHRISTIANE BÄBLER Sonja, KOCH Christian, SCHEU Theresa, MEYER Ulrich, DÄNICKE Sven, HUBER Korinna, KENEZ Akos, "Sphingolipid Profiling Reveals Different Extent of Ceramide Accumulation in Bovine Retroperitoneal and Subcutaneous Adipose Tissues", <i>Metabolites</i> , 10(11), 19 November 2020, doi: <a href="https://doi.org/10.3390/metabo10110473">https://doi.org/10.3390/metabo10110473</a> . #LEUNG Yue Hei, KENEZ Akos, JULIA GROB Anne, FEIGE Karsten, WARNKEN Tobias, "Associations of plasma sphingolipid profiles with insulin response during oral glucose testing in Icelandic horses", <i>Journal of Veterinary Internal Medicine</i> , 08 June 2021, doi: <a href="https://doi.org/10.1111/jvim.16200">https://doi.org/10.1111/jvim.16200</a> .
<b>MAI Shuyi</b>	FENG Tuancheng, #MAI Shuyi, ROSCOE Jenn Marie, SHENG Rory R, ULLAH Mohammed, ZHANG Junke, KATZ Isabel Iscol, YU Haiyuan, XIONG Wenjun, HU Fenghua, "Loss of TMEM106B and PGRN leads to severe lysosomal abnormalities and neurodegeneration in mice", <i>EMBO Reports</i> , 21(10), 10 August 2020, doi: <a href="https://doi.org/10.15252/embr.202050219">https://doi.org/10.15252/embr.202050219</a> .
<b>SONG Dan</b>	#YANG Liu, PELTIER Raoul, ZHANG Manman, #SONG Dan, HUANG Hui, CHEN Ganchao, CHEN Ying, #ZHOU Fanghang, HAO Quan, BIAN Liming, HE Mingliang, WANG Zuankai, HU Yi, SUN Hongyan, "Desuccinylation-Triggered Peptide Self-Assembly: Live Cell Imaging of SIRT5 Activity and Mitochondrial Activity Modulation", <i>Journal of the American Chemical Society</i> , 142(42), 29 September 2020, pp 18150-18159, doi: <a href="https://doi.org/10.1021/jacs.0c08463">https://doi.org/10.1021/jacs.0c08463</a> , <a href="https://doi.org/doi:10.1021/jacs.0c08463">https://doi.org/doi:10.1021/jacs.0c08463</a> .
<b>VU Tien Luyen</b>	#VU Tien Luyen, #GONG Jinhua, #PHAM Tuan Thach, #KIM Yeokyeong, LE Thi Nguyet Minh, "microRNA exchange via extracellular vesicles in cancer", <i>Cell Proliferation</i> , 53(11), 06 October 2020, doi: <a href="https://doi.org/10.1111/cpr.12877">https://doi.org/10.1111/cpr.12877</a> .
<b>WANG Xingxing</b>	#TAN Lu, #ZHANG Yiwen, #WANG Xingxing, KIM Dal Young, "A Productive Expression Platform Derived from Host-Restricted Eilat Virus: Its Extensive Validation and Novel Strategy", <i>Viruses</i> , 13(4), 11 April 2021, doi: <a href="https://doi.org/10.3390/v13040660">https://doi.org/10.3390/v13040660</a> .
<b>WU Tan</b>	#CHEN Yu, #WU Tan, #ZHU Zhongxu, #HUANG Hao, ZHANG Liang, GOEL Ajay, YANG M, WANG Xin, "An integrated workflow for biomarker development using microRNAs in extracellular vesicles for cancer precision medicine", <i>Seminars in Cancer Biology</i> , 22 March 2021, doi: <a href="https://doi.org/10.1016/j.semcan.2021.03.011">https://doi.org/10.1016/j.semcan.2021.03.011</a> .
<b>ZHANG Daniel Xin</b>	PIRISINU Marco, #PHAM Chanh Tin, #ZHANG Daniel Xin, HONG Tran Nguyen, NGUYEN Lap Thi, LE Thi Nguyet Minh, "Extracellular vesicles as natural therapeutic agents and innate drug delivery systems for cancer treatment: Recent advances, current obstacles, and challenges for clinical translation", <i>Seminars in Cancer Biology</i> , 22 September 2020, doi: <a href="https://doi.org/10.1016/j.semcan.2020.08.007">https://doi.org/10.1016/j.semcan.2020.08.007</a> .

Section A: Publications of PhD Students

	<p>DANG Xuan T. T., #JAYASINGHE Migara Kavishka, #ZHANG Daniel Xin, PIRISINU Marco, LE Thi Nguyet Minh, "Extracellular Vesicles as an Efficient and Versatile System for Drug Delivery", <i>Cells</i>, 9(10), 29 September 2020, doi: <a href="https://doi.org/10.3390/cells9102191">https://doi.org/10.3390/cells9102191</a>.</p> <p>#ZHANG Daniel Xin, VU Tien Luyen, ISMAIL Nur Nadiah, LE Thi Nguyet Minh, GRIMSON Andrew, "Landscape of extracellular vesicles in the tumour microenvironment: Interactions with stromal cells and with non-cell components, and impacts on metabolic reprogramming, horizontal transfer of neoplastic traits, and the emergence of therapeutic resistance", <i>Seminars in Cancer Biology</i>, 02 February 2021, doi: <a href="https://doi.org/10.1016/j.semcan.2021.01.007">https://doi.org/10.1016/j.semcan.2021.01.007</a>.</p> <p>MO Zhenzhen, CHEONG Jia Yang Alex, XIANG Lirong, LE Minh T N, GRIMSON Andrew, #ZHANG Daniel Xin, "Extracellular vesicle-associated organotropic metastasis", <i>Cell Proliferation</i>, 03 November 2020, doi: <a href="https://doi.org/10.1111/cpr.12948">https://doi.org/10.1111/cpr.12948</a>.</p>
<b>ZHU Lina</b>	<p>#KANG Evangeline Tze Zhen, #ZHU Lina, YANG Du, DING Dongbo, #ZHU Xiaoxuan, #WAN Yi Ching Esther, #LIU Jiaxian, RAMAKRISHNAN Saravanan, CHAN Landon Long, CHAN Siu Yuen, WANG Xin, GAN Haiyun, HAN Junhong, ISHIBASHI Toyotaka, LI Qing, CHAN Kui Ming, "The elevated transcription of ADAM19 by the oncohistone H2BE76K contributes to oncogenic properties in breast cancer", <i>Journal of Biological Chemistry</i>, 296, 04 February 2021, doi: <a href="https://doi.org/10.1016/j.jbc.2021.100374">https://doi.org/10.1016/j.jbc.2021.100374</a>.</p> <p>#ZHANG Yuchen, #ZHU Lina, WANG Xin, "NEM-Tar: A Probabilistic Graphical Model for Cancer Regulatory Network Inference and Prioritization of Potential Therapeutic Targets From Multi-Omics Data", <i>Frontiers in Genetics</i>, 12, 22 April 2021, doi: <a href="https://doi.org/10.3389/fgene.2021.608042">https://doi.org/10.3389/fgene.2021.608042</a>.</p>
<b>ZHU Xiaoxuan</b>	<p>#KANG Evangeline Tze Zhen, #ZHU Lina, YANG Du, DING Dongbo, #ZHU Xiaoxuan, #WAN Yi Ching Esther, #LIU Jiaxian, RAMAKRISHNAN Saravanan, CHAN Landon Long, CHAN Siu Yuen, WANG Xin, GAN Haiyun, HAN Junhong, ISHIBASHI Toyotaka, LI Qing, CHAN Kui Ming, "The elevated transcription of ADAM19 by the oncohistone H2BE76K contributes to oncogenic properties in breast cancer", <i>Journal of Biological Chemistry</i>, 296, 04 February 2021, doi: <a href="https://doi.org/10.1016/j.jbc.2021.100374">https://doi.org/10.1016/j.jbc.2021.100374</a>.</p>
<b>Conference papers</b>	
<b>GUO Anni</b>	<p>#JIANG Hehai, #GUO Anni, CHIU Arthur, #LI Huanhuan, LAI Cora Sau Wan, LAU Chun Yue Geoffrey, "Target-specific control of piriform cortical output via recruitment of distinct inhibitory circuits", <i>Sfn Global Connectome</i>, Virtual Event, 11-13 January 2021.</p>
<b>LEUNG Yue Hei</b>	<p>#LEUNG Yue Hei, BAESSLER S, KOCH C, SCHEU T, MEYER U, DAENICKE S, KENEZ Akos, HUBER K, "Ceramide accumulation in bovine retroperitoneal adipose tissue revealed by sphingolipid profiling", <i>Book of Abstracts of the 71<sup>st</sup> Annual Meeting of the European Federation of Animal Science</i>, Virtual meeting, 01-04 December 2020, pp 224, (ISBN: 978-90-8686-349-5,978-90-8686-900-8).</p>
<b>ZHU Lina</b>	<p>#ZHU Lina, WANG Xin, "Integrative network analysis identified master regulatory long non-coding RNAs underlying the squamous subtype of pancreatic ductal adenocarcinoma", <i>Proceedings - 2020 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)</i>, Online, Seoul, Korea, Republic of, 16-19 December 2020, pp 2936-2942, (ISBN: 978-1-7281-6215-7).</p>
<b>All other outputs</b>	
<b>CHANG Yu Chen</b>	<p>#CHANG Yu Chen, <i>Molecular Linkage of Circadian Clocks and Neurodegeneration</i>, PhD Thesis, Jockey Club College of Veterinary Medicine and Life Sciences, City University of Hong Kong, Hong Kong, PRC, 09 October 2020.</p>
<b>MAI Shuyi</b>	<p>#MAI Shuyi, <i>Srebp2-Lrp2-Bmp Signaling Modulates Postnatal Eye Growth and Size in Mouse</i>, PhD Thesis, Jockey Club College of Veterinary Medicine and Life Sciences, City University of Hong Kong, Hong Kong, PRC, 13 November 2020.</p>
<b>VU Tien Luyen</b>	<p>#VU Tien Luyen, <i>MicroRNA-containing Extracellular Vesicles in Cancer Biology</i>, PhD Thesis, Jockey Club College of Veterinary Medicine and Life Sciences, City University of Hong Kong, Hong Kong, PRC, 19 August 2020.</p>
<b>ZHANG Daniel Xin</b>	<p>#ZHANG Daniel Xin, 8th NCIS Annual Research Meeting Poster Award (Runner-up), 8th NCIS Annual Research Meeting, National University Cancer Institute Singapore, Singapore, 2021.</p>

## Section B: Publications of MPhil Students

College of Business	
DEPARTMENT OF ECONOMICS AND FINANCE	
Scholarly books, monographs and chapters	
ROY Mallika	#ROY Mallika, #FAN Yajing, BISWAS Bablo, "Economic Contribution of Tourism in Bangladesh - Capital Investment Perspective", <i>Tourism Marketing in Bangladesh - An Introduction</i> , Edition 1st, Hassan Azizul (ed), Routledge, ISBN: 9780367440428,9780367440428,9781000193183, 21 October 2020, pp 223-237.
	AKHTER AKHY Asma, #ROY Mallika, "Socio-economic Impacts of Accommodation on Tourism Development - Bangladesh Perspective", <i>Tourism Marketing in Bangladesh - An Introduction</i> , Edition 1st, Hassan Azizul (ed), Routledge, ISBN: 9780367440428,9781000193183,9781003007241, 20 October 2020, pp 51-71.
	#ONWACHUKWU Chinedu Increase, #ROY Mallika, "Culinary Image of Bangladesh and Tourists' Travel Intention - The Impact of Visual Attention", <i>Tourism Products and Services in Bangladesh - Concept Analysis and Development Suggestions</i> , , 1st edition, Hassan Azizul (ed), Springer, ISBN: 978-981-33-4278-1,978-981-33-4279-8,978-981-33-4281-1, 17 March 2021, pp 245-262.
	ZAMAN Shafir, #ROY Mallika, CHOWDHURY Md. Mohiuddin , "The Involvement of Private Sector in Tourism in Bangladesh", <i>Tourism Policy and Planning in Bangladesh</i> , Hassan Azizul and Rahman Muhammad Shoeb-Ur- (eds), Springer, ISBN: 9789811570131,9789811570148, Singapore, 18 November 2020, pp 123-146.
All other outputs	
ROY Mallika	#ROY Mallika, <i>Cross-border Production-sharing Activities in Global Value Chain and Labor Migration</i> , MPhil Thesis, Department of Economics and Finance, City University of Hong Kong, Hong Kong, PRC, 26 April 2021.
College of Engineering	
DEPARTMENT OF BIOMEDICAL ENGINEERING	
Journal publications	
HE Jiahui	WU Mengge, #GAO Zhan, #YAO Kuanming, HOU S., LIU Y., LI Dongfang, #HE Jiahui, HUANG X., SONG Enming, YU J., YU Xinge, "Thin, soft, skin-integrated foam-based triboelectric nanogenerators for tactile sensing and energy harvesting", <i>Materials Today Energy</i> , 20(100657), 27 January 2021, doi: <a href="https://doi.org/10.1016/j.mtener.2021.100657">https://doi.org/10.1016/j.mtener.2021.100657</a> .
	#HE Jiahui, XIE Zhaoqian, #YAO Kuanming, LI Dengfeng, #LIU Yiming, #GAO Zhan, LU Wei, CHANG Lingqian, YU Xinge, "Trampoline inspired stretchable triboelectric nanogenerators as tactile sensors for epidermal electronics", <i>Nano Energy</i> , 81, 11 November 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105590">https://doi.org/10.1016/j.nanoen.2020.105590</a> .
	#LIU Yiming, #YIU Chun Ki, #JIA Huiling, #WONG Tsz Hung, #YAO Kuanming, HUANG Ya, #ZHOU Jingkun, #HUANG Xingcan, #ZHAO Ling, LI Dengfeng, WU Mengge, #GAO Zhan, #HE Jiahui, SONG Enming, YU Xinge, "Thin, soft, garment-integrated triboelectric nanogenerators for energy harvesting and human machine interfaces", <i>EcoMat</i> , 22 June 2021, doi: <a href="https://doi.org/10.1002/eom2.12123">https://doi.org/10.1002/eom2.12123</a> .
	#YAO Kuanming, #LIU Yiming, LI Dengfeng, #HE Jiahui, #LI Jiyu, LAM Hiu Wai Raymond, XIE Zhaoqian, WANG Lidai, YU Xinge, "Mechanics designs-performance relationships in epidermal triboelectric nanogenerators", <i>Nano Energy</i> , 76, 02 July 2020, doi: <a href="https://doi.org/10.1016/j.nanoen.2020.105017">https://doi.org/10.1016/j.nanoen.2020.105017</a> .
	#HE Jiahui, #LIU Yiming, LI Dengfeng, #YAO Kuanming, #GAO Zhan, YU Xinge, "Stretchable Triboelectric Nanogenerators for Energy Harvesting and Motion Monitoring", <i>IEEE Open Journal of Nanotechnology</i> , 1, 25 August 2020, pp 109-116, doi: <a href="https://doi.org/10.1109/OJNANO.2020.3019425">https://doi.org/10.1109/OJNANO.2020.3019425</a> .
	LI Dengfeng, WANG Song, #HE Jiahui, ZENG Hao, #YAO Kuanming, #GAO Zhan, WU Mengge, #LIU Yiming, WANG Lidai, XIE Zhaoqian, YU Xinge, "Bioinspired Ultrathin Piecewise Controllable Soft Robots", <i>Advanced Materials Technologies</i> , 31 March 2021, doi: <a href="https://doi.org/10.1002/admt.202001095">https://doi.org/10.1002/admt.202001095</a> .

Section B: Publications of MPhil Students

<b>LI Mingsheng</b>	# <a href="#">LI Mingsheng</a> , <a href="#">SHI Jiawei</a> , <a href="#">YIU Canice Chun-Yin</a> , <a href="#">LI Can</a> , <a href="#">WONG Kenneth Kin-Yip</a> , <a href="#">WANG Lidai</a> , "Near-infrared double-illumination optical-resolution photoacoustic microscopy", <i>Journal of Biophotonics</i> , 14(3), 18 November 2020, doi: <a href="https://doi.org/10.1002/jbio.202000392">https://doi.org/10.1002/jbio.202000392</a> . WANG Zhen, CHEONG Kin-Pang, # <a href="#">LI Mingsheng</a> , WANG Qiang, REN Wei, "Theoretical and Experimental Study of Heterodyne Phase-Sensitive Dispersion Spectroscopy with an Injection-Current-Modulated Quantum Cascade Laser", <i>Sensors (Switzerland)</i> , 20(21), 29 October 2020, doi: <a href="https://doi.org/10.3390/s20216176">https://doi.org/10.3390/s20216176</a> .
<b>WONG Tsz Hung</b>	# <a href="#">LIU Yiming</a> , # <a href="#">YIU Chun Ki</a> , # <a href="#">JIA Huiling</a> , # <a href="#">WONG Tsz Hung</a> , # <a href="#">YAO Kuanming</a> , <a href="#">HUANG Ya</a> , # <a href="#">ZHOU Jingkun</a> , # <a href="#">HUANG Xingcan</a> , # <a href="#">ZHAO Ling</a> , <a href="#">LI Dengfeng</a> , <a href="#">WU Mengge</a> , # <a href="#">GAO Zhan</a> , # <a href="#">HE Jiahui</a> , <a href="#">SONG Enming</a> , <a href="#">YU Xinge</a> , "Thin, soft, garment-integrated triboelectric nanogenerators for energy harvesting and human machine interfaces", <i>EcoMat</i> , 22 June 2021, doi: <a href="https://doi.org/10.1002/eom2.12123">https://doi.org/10.1002/eom2.12123</a> .
<b>Conference papers</b>	
<b>CAI Xinyu</b>	# <a href="#">XIE Heng</a> , # <a href="#">CAI Xinyu</a> , <a href="#">CHIRARATTANANON Pakpong</a> , "Towards Cooperative Transport of a Suspended Payload via Two Aerial Robots with Inertial Sensing", <i>2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)</i> , Virtual, Las Vegas, United States, 25-29 October 2020, pp 1215-1221, (ISBN: 978-1-7281-6212-6).
<b>All other outputs</b>	
<b>CAI Xinyu</b>	# <a href="#">CAI Xinyu</a> , <i>Passive Stability for Cooperative Transport of a Cable-Suspended Payload by Two Aerial Robots</i> , MPhil Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 04 August 2020.
<b>LI Mingsheng</b>	# <a href="#">LI Mingsheng</a> , <i>High-Sensitivity Photoacoustic Microscopy</i> , MPhil Thesis, Department of Biomedical Engineering, City University of Hong Kong, Hong Kong, PRC, 15 January 2021.
<b>DEPARTMENT OF COMPUTER SCIENCE</b>	
<b>Journal publications</b>	
<b>MEI Xiupei</b>	# <a href="#">MA Xiaoxue</a> , <a href="#">WU Shangru</a> , # <a href="#">POBEE Ernest Bota</a> , # <a href="#">MEI Xiupei</a> , <a href="#">ZHANG Hao</a> , <a href="#">JIANG Bo</a> , <a href="#">CHAN Wing Kwong</a> , "RegionTrack: A Trace-Based Sound and Complete Checker to Debug Transactional Atomicity Violations and Non-Serializable Traces", <i>ACM Transactions on Software Engineering and Methodology</i> , 30(1), December 2020, doi: <a href="https://doi.org/10.1145/3412377">https://doi.org/10.1145/3412377</a> .
<b>Conference papers</b>	
<b>LI Jinheng</b>	REN Rui, # <a href="#">LI Jinheng</a> , WANG Lei, YIN Yan, CAO Zheng, "Anomaly analysis and diagnosis for co-located datacenter workloads in the alibaba cluster", <i>Benchmarking, Measuring, and Optimizing</i> , Denver, United States, 14-16 November 2019, pp 278-291, (ISBN: 9783030495558,9783030495565). # <a href="#">LIANG Yu</a> , # <a href="#">LI Jinheng</a> , <a href="#">AUSAVARUNGNIRUN Rachata</a> , <a href="#">PAN Riwei</a> , <a href="#">SHI Liang</a> , <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Acclaim: Adaptive Memory Reclaim to Improve User Experience in Android Systems", <i>Proceedings of the 2020 USENIX Annual Technical Conference, ATC 2020</i> , Online, 15-17 July 2020, pp 897-910, (ISBN: 9781939133144). # <a href="#">LIANG Yu</a> , # <a href="#">LI Jinheng</a> , <a href="#">CHEN Xianzhang</a> , <a href="#">AUSAVARUNGNIRUN Rachata</a> , <a href="#">PAN Riwei</a> , <a href="#">KUO Tei-Wei</a> , <a href="#">XUE Chun Jason</a> , "Differentiating Cache Files for Fine-grain Management to Improve Mobile Performance and Lifetime", <i>The 12th USENIX Workshop on Hot Topics in Storage and File Systems (HotStorage '20)</i> , Sheraton Boston, Boston, MA, United States, 13-14 July 2020.
<b>MEI Xiupei</b>	# <a href="#">MEI Xiupei</a> , # <a href="#">WEI Zhengyuan</a> , <a href="#">ZHANG Hao</a> , <a href="#">CHAN Wing Kwong</a> , "BlockRace: A Big Data Approach to Dynamic Block-based Data Race Detection for Multithreaded Programs", <i>Proceedings - 2020 IEEE/ACM 1st International Conference on Automation of Software Test (AST 2020)</i> , Seoul, Virtual, Korea, Republic of, 15-16 July 2020, pp 71-80, (ISBN: 978-1-4503-7957-1).
<b>XU Chengyuan</b>	# <a href="#">XU Chengyuan</a> , ZHAO Bin, YANG Rongwei, LIU Bingyi, <a href="#">WANG Jianping</a> , WANG Jinfan, "Smart Sensing for Container Trucks", <i>Proceedings - 2020 6th International Conference on Big Data Computing and Communications, BigCom 2020</i> , 24-25 July 2020, pp 1-7, (ISBN: 9781728182759).



## Section B: Publications of MPhil Students

<b>DEPARTMENT OF ELECTRICAL ENGINEERING</b>	
<b>Patents, agreements, assignments and companies</b>	
<b>LIU Chun For</b>	<b>CHUNG</b> Shu Hung Henry, #LIU Chun For, LAU Wing Hong Ricky, Method of Diagnosing An Electrical Energy Storage Apparatus, An Electronic Device for Use in An Electrical Energy Storage Apparatus And An Electrical Energy Storage Apparatus, Patent No.: US10,838,012, United States, 17 November 2020.
<b>All other outputs</b>	
<b>LAI Shuk Fun</b>	#LAI Shuk Fun,  <i>Modeling of Sectorial Split-Drain Magnetic Field Effect Transistors for Current Sensing Applications</i>  , MPhil Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 22 July 2020.
<b>LAI Tsz Chun</b>	#LAI Tsz Chun, <i>Feasibility Study of Thermal Prediction of Valve Regulated Lead Acid Battery</i> , MPhil Thesis, Department of Electrical Engineering, City University of Hong Kong, Hong Kong, PRC, 22 January 2021.
<b>DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING</b>	
<b>Journal publications</b>	
<b>XU Yunkun</b>	FAN Yulong, #XU Yunkun, QIU Meng, JIN Wei, ZHANG Lei, LAM Edmund Y., TSAI Din Ping, LEI Dangyuan, "Phase-controlled metasurface design via optimized genetic algorithm", <i>Nanophotonics</i> , 9(12), September 2020, pp 3931-3939, doi: <a href="https://doi.org/10.1515/nanoph-2020-0132">https://doi.org/10.1515/nanoph-2020-0132</a> .
<b>All other outputs</b>	
<b>YIU Wai Kin</b>	#YIU Wai Kin, <i>Synthesis of Near to Mid Infrared Mercury Telluride Quantum Dots</i> , MPhil Thesis, Department of Materials Science and Engineering, City University of Hong Kong, Hong Kong, PRC, 11 September 2020.
<b>College of Liberal Arts and Social Sciences</b>	
<b>DEPARTMENT OF PUBLIC POLICY</b>	
<b>All other outputs</b>	
<b>LI Yan</b>	#LI Yan, <i>Understanding Precarious Creative Labour: A Case Study of Trade Painters in China</i> , MPhil Thesis, Department of Public Policy, City University of Hong Kong, Hong Kong, PRC, 28 April 2021.
<b>College of Science</b>	
<b>DEPARTMENT OF MATHEMATICS</b>	
<b>All other outputs</b>	
<b>ZHOU Yunchuan</b>	#ZHOU Yunchuan, <i>Free Probability as a Possible Bridge between Random Matrices and Hecke Operators</i> , MPhil Thesis, Department of Mathematics, City University of Hong Kong, Hong Kong, PRC, 09 November 2020.
<b>SCHOOL OF CREATIVE MEDIA</b>	
<b>All other outputs</b>	
<b>CHEUNG Kit Jacky</b>	#CHEUNG Kit Jacky, <i>User Manipulation and User Interaction with Input Techniques on Desktop Computer</i> , MPhil Thesis, School of Creative Media, City University of Hong Kong, Hong Kong, PRC, 19 November 2020.
<b>SCHOOL OF DATA SCIENCE</b>	
<b>All other outputs</b>	
<b>LI Xin</b>	#LI Xin, <i>Two SVM-Based Methods for Image Set Classification</i> , MPhil Thesis, School of Data Science, City University of Hong Kong, Hong Kong, PRC, 16 July 2020.
<b>Jockey Club College of Veterinary Medicine and Life Sciences</b>	
<b>DEPARTMENT OF BIOMEDICAL SCIENCES</b>	
<b>All other outputs</b>	

Section B: Publications of MPhil Students

<b>BAIBADO Joewel Tarra</b>	#BAIBADO Joewel Tarra, <i>Cholecystokinin Treatment Rescues Learning and Memory Deficits in Aged Alzheimer's Disease (AD) Mice (3xTgAD)</i> , MPhil Thesis, Department of Biomedical Sciences, City University of Hong Kong, Hong Kong, PRC, 02 February 2021.
-----------------------------	--

## Section C: Publications of Professional Doctorate Students

College of Business	
COLLEGE OF BUSINESS	
All other outputs	
CHEN Ze	#CHEN Ze, 海外高管薪酬激勵研究 - 基於薪酬差距的視角, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 04 February 2021.
CHIB Rajeev	#CHIB Rajeev, Coaching Styles and Job Performance: Millennial Employee Characteristics in the Asian Financial Industry Context, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 27 August 2020.
CHOY Po Kwong	#CHOY Po Kwong, Product Education or Price Promotion Ads? A Field Experiment on Behavioural Retargeting Strategy for Brand and Symptom Search, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 17 August 2020.
DAI Jinhua	#DAI Jinhua, 銷售員組織內部創業行為的機理分析與實證研究：基於家庭動機視角的研究, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 27 August 2020.
DAI Jun	#DAI Jun, 智能製造背景下製造執行系統系軟件 (MES) 服務模式的研究, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 26 January 2021.
DUAN Junping	#DUAN Junping, 領導者中庸思維對中層管理人員心理契約違背及離職傾向的研究, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 09 April 2021.
KANG Bo	#KANG Bo, Shared Autonomous Vehicle in Mobility on Demand - An Application Research Using Diffusion of Innovations Theory, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 20 August 2020.
KOO Tak Wing	#KOO Tak Wing, Is FinTech a Disruptive Innovation in the Banking Industry? Evidence from Hong Kong, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 07 August 2020.
LAI Jinyu	#LAI Jinyu, 中國上市公司控股股東股權質押動機、可能的經濟後果以及政府"紓困"計畫的實證研究, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 27 April 2021.
LIU Ya	#LIU Ya, 中層員工信任感知與工作績效關係研究, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 12 November 2020.
LO Suk Yee Lana	#LO Suk Yee Lana, Adoption of Robotic Process Automation: Company Perspective on Back Office Processes, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 12 April 2021.
LUO Ling	#LUO Ling, 代理問題視角下我國企業治理與併購效應研究, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 12 May 2021.
QIN Kang	#QIN Kang, 農村產權交易中心、農地流轉與農民增收 - 來自湖北恩施准自然實驗的證據, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 21 August 2020.
SHEN Feicen	#SHEN Feicen, 社區建設對居民居住幸福感的影響研究 - 以江蘇省啟東市商品住宅社區為例, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 28 April 2021.
SUN Yizheng	#SUN Yizheng, 企業家認知與創新績效的內生機制研究 - 以科技創新型企業為例, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 12 August 2020.
TAN Yuehua	#TAN Yuehua, 綠色建築特徵對消費者購房意願影響的研究, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 29 April 2021.
WANG Jinduo	#WANG Jinduo, 大數據環境下矽用大規格電極質量影響因素探究, PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 27 April 2021.

## Section C: Publications of Professional Doctorate Students

<b>WANG Yongjin</b>	#WANG Yongjin, <i>CEO 變革型領導力與管理層戰略執行力關係研究</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 15 July 2020.
<b>WONG Chun Kwong</b>	#WONG Chun Kwong, <i>Exploring the Relationship among Leadership Behavior, Empowerment, Organizational Identification and Employee Retention</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 07 August 2020.
<b>WONG Yui Lam</b>	#WONG Yui Lam, <i>Effect of Cyber-life-interruption and Cyberloafing on Employee Organization-based Self-esteem, Emotional Exhaustion and Job Performance</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 06 August 2020.
<b>XU Dong</b>	#XU Dong, <i>我國互聯網互助保障平臺發展研究 – 以“康愛公社”為例</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 27 August 2020.
<b>XU Pengfei</b>	#XU Pengfei, <i>Understanding Trust Production between American Customers and Chinese Suppliers within Transactional and Collaborative Relationships</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 02 June 2021.
<b>YANG Jun</b>	#YANG Jun, <i>環境民事訴訟制度交易對企業權利自由的影響研究</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 28 April 2021.
<b>YAO Wenjiang</b>	#YAO Wenjiang, <i>知識網絡對傳統製造企業升級的影響：基於瓷磚產業的實證研究</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 28 April 2021.
<b>YU Wai Wa</b>	#YU Wai Wa, <i>併購中“名人效應”、持續盈利能力與商譽研究 - 基於中國上市公司數據</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 15 July 2020.
<b>ZHANG Juying Jerry</b>	#ZHANG Juying Jerry, <i>Institutional Strategies of Chinese Firms in "Belt and Road" Countries: Evidence from Select Infrastructure Cases</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 29 July 2020.
<b>ZHANG Lida</b>	#ZHANG Lida, <i>第三方檢驗質量的影響因素及管理對策</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 13 January 2021.
<b>ZHANG Qingzhong</b>	#ZHANG Qingzhong, <i>Subsidiary Entrepreneurial Orientation, Trust in Headquarters and the Performance: The Mediating Role of Autonomy</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 10 June 2021.
<b>ZHU Taolin</b>	#ZHU Taolin, <i>Funds Investment and Corporate Innovation - Evidence from Chinese Listed Firms</i> , PhD Thesis, College of Business, City University of Hong Kong, Hong Kong, PRC, 11 June 2021.
<b>College of Engineering</b>	
<b>DEPARTMENT OF ADVANCED DESIGN AND SYSTEMS ENGINEERING</b>	
<b>Journal publications</b>	
<b>WAN Hoi Chi Jackson</b>	#WAN Hoi Chi Jackson, CHIN Kwai Sang, "Exploring internet of healthcare things for establishing an integrated care link system in the healthcare industry", <i>International Journal of Engineering Business Management</i> , 13, 31 May 2021, pp 1-14, doi: <a href="https://doi.org/10.1177/18479790211019526">https://doi.org/10.1177/18479790211019526</a> .
<b>All other outputs</b>	
<b>SU Peng</b>	#SU Peng, <i>Improvement of Launching Capability with Enhanced GEO Satellite Design</i> , PhD Thesis, Department of Advanced Design and Systems Engineering, City University of Hong Kong, Hong Kong, PRC, 27 May 2021.
<b>DEPARTMENT OF SYSTEMS ENGINEERING AND ENGINEERING MANAGEMENT</b>	
<b>Journal publications</b>	
<b>WONG Ka Man</b>	#WONG Ka Man, MAN Siu Shing, CHAN Hoi Shou Alan, "Exploring the acceptance of PPE by construction workers: An extension of the technology acceptance model with safety management practices and safety consciousness", <i>Safety Science</i> , 139, 12 March 2021, doi: <a href="https://doi.org/10.1016/j.ssci.2021.105239">https://doi.org/10.1016/j.ssci.2021.105239</a> .
<b>All other outputs</b>	
<b>LEUNG Chak Man</b>	#LEUNG Chak Man, <i>Greening Existing Buildings [GEB] Strategies - A New Green Performance Assessment [GPA] Approach</i> , PhD Thesis, Department of Systems Engineering

Section C: Publications of Professional Doctorate Students

	and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 25 March 2021.
<b>SZE Shing Pan</b>	# <u>SZE Shing Pan</u> , <i>Development of a Sampling Method for the Wires Market and Its Applications in the Third-Party Certification Industry</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 10 November 2020.
<b>WONG Chih Kang</b>	# <u>WONG Chih Kang</u> , <i>Construction Delay and Cost Overruns in Hong Kong Infrastructure Projects: Explanations and Their Remedies</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 25 February 2021.
<b>WONG Ka Man</b>	# <u>WONG Ka Man</u> , <i>Investigation on the Acceptance of Personal Protective Equipment of Hong Kong Construction Workers</i> , PhD Thesis, Department of Systems Engineering and Engineering Management, City University of Hong Kong, Hong Kong, PRC, 13 September 2020.
<b>SCHOOL OF LAW</b>	
<b>All other outputs</b>	
<b>AHUJA Navin Gopaldas</b>	# <u>AHUJA Navin Gopaldas</u> , <i>Taming the Guerilla in International Arbitration?</i> , PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 15 December 2020.
<b>LIANG Xu</b>	# <u>LIANG Xu</u> , <i>量刑規範化實現公正之路徑研究——以“人民法院量刑指導意見”為研究對象</i> , PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 01 March 2021.
<b>LIN Da</b>	# <u>LIN Da</u> , <i>論中國內地建築物區分所有權法律制度的完善及發展--以香港、新加坡相關法律制度為比較對象</i> , PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 26 November 2020.
<b>TONG Xiaoning</b>	# <u>TONG Xiaoning</u> , <i>柔性司法: 民族地區民事習慣司法適用研究 — 以白族聚居區劍川縣司法案例為樣本</i> , PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 13 January 2021.
<b>XU Qingyu</b>	# <u>XU Qingyu</u> , <i>中國內地法院法官會議制度研究</i> , PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 05 August 2020.
<b>ZHANG Juan</b>	# <u>ZHANG Juan</u> , <i>參與分配制度研究 — 理論、功能與制度邏輯</i> , PhD Thesis, School of Law, City University of Hong Kong, Hong Kong, PRC, 20 August 2020.