學術研究及出版
Research & Publications

國際引文索引刊物收錄的論文
Papers Included in Publications Listed in International Citation Indexes

科學引文索引 Science Citation Index Expanded (SCIE)

作者 Author(s)	標題 Title	期刊 Journal
Wei Ke, Ka-Hou Chan	A multilayer CARU framework to obtain probability distribution for paragraph-based sentiment analysis	*Applied Sciences*, 2021, 11(23): article no. 11344 IFR: Top 42.39% in Engineering, Multidisciplinary; 47.20% in Physics, Applied - Also listed in Scopus
Jinlong Li, **Xiaochen Yuan**, Li Feng	Alteration detection of multispectral/hyperspectral images using dual-path partial recurrent networks	*Remote Sensing*, 2021, 13(23): article no. 4802 IFR: Top 14.93% in Geosciences, Multidisciplinary; 21.43% in Imaging Science & Photographic Technology; 29.75% in Environmental Sciences; 32.35% in Remote Sensing - Also listed in Scopus, EI
Hong Li, **Kuo-Hsun Wen**	Research on design of stalk furniture based on the concept and application of Miryoku engineering theory	*Sustainability*, 2021, 13(24): article no. 13652 IFR: Top 47.67% in Environmental Sciences - Also listed in Scopus, SSCI
Mohammad Z. Shanti, Chung-Suk Cho, Young-Ji Byon, Chan Yeob Yuen, Tae-Yeon Kim, **Song-Kyoo Kim**, Ahmed Altunaiji	A novel implementation of an AI-based smart construction safety inspection protocol in the UAE	*IEEE Access*, 2021(9): 166603-166616 IFR: Top 38.04% in Engineering, Electrical & Electronic; 45.74% in Telecommunications; 48.17% in Computer Science, Information Systems - Also listed in Scopus, EI
Peiwen Guo, **Dong Zeng**, Haina Yan, Kin-Sun Chan, Yifen Yin	The influence of social capital on youths' anti-epidemic action in the field of epidemic-preventative social distancing in China	*International Journal of Environmental Research and Public Health*, 2021, 18(21): article no. 11155 IFR: Top 30.05% in Public, Environmental & Occupational Health; 39.62% in Environmental Sciences - Also listed in Scopus, SSCI
Qiang Li, Zhan Wang, Chao Liu, **Xi Wang**	A new combined cake-complete model with the cake resistance corrected by cake filtration equilibrium coefficient in cross-flow microfiltration	*Journal of Environmental Chemical Engineering*, 2022, 10(1): article no. 106956 IFR: Top 14.08% in Engineering, Chemical; 22.22% in Engineering, Environmental - Also listed in Scopus, EI
Yanbing Chen, **Wei Ke**, **Hong Lin**, **Chan-Tong Lam**, Kai Lv, Hao Sheng, Zhang Xiong	Local perspective based synthesis for vehicle re-identification: A transformation state adversarial method	*Journal of Visual Communication and Image Representation*, 2022(83): article no. 103432 IFR: Top 34.55% in Computer Science, Software Engineering - Also listed in Scopus, EI

Furong Yang, Andrea Ferlini, Davide Aguiari, Davide Pesavento, **Rita Tse**, Suman Banerjee, Gaogang Xie, Giovanni Pau	Revisiting WiFi offloading in the wild for V2I applications	*Computer Network*, 2022(202): article no. 108634
		IFR: Top 16.67% in Computer Science, Hardware & Architecture; 18.48% in Engineering, Electrical & Electronic; 21.28% in Telecommunications; 21.34% in Computer Science, Information Systems
		- Also listed in Scopus, EI
Hongfeng Zhang, Yumeng Zeng	The education for sustainable development, online technology and teleological rationality: A Game between instrumental value and humanistic value	*Sustainability*, 2022, 14(4): article no. 2101
		IFR: Top 47.67% in Environmental Sciences
		- Also listed in Scopus, SSCI
Song-Kyoo (Amang) Kim	Strategic alliance for blockchain governance game	*Probability in the Engineering and Informational Sciences*, 2022, 36(1): 184-200
		- Also listed in Scopus
Ka-Hou Chan, Sio-Kei Im, Wei Ke	Multiple classifier for concatenate-designed neural network	*Neural Computing and Applications*, 2022, 34(2), 1359-1372
		IFR: Top 31.25% in Computer Science, Artificial Intelligence
		- Also listed in Scopus, EI
Ka-Hou Chan, Sio-Kei Im	Chebyshev ambient occlusion	*IEEE Access*, 2021(9): 147751-147756
		IFR: Top 38.04% in Engineering, Electrical & Electronic; 45.74% in Telecommunications; 48.17% in Computer Science, Information Systems
		- Also listed in Scopus, EI
Wei Ke, Ka-Hou Chan	Pattern matching based on object graphs	*IEEE Access*, 2021(9): 159313-159325
		IFR: Top 38.04% in Engineering, Electrical & Electronic; 45.74% in Telecommunications; 48.17% in Computer Science, Information Systems
		- Also listed in Scopus, EI
Benjamin K. Ng, Chan-Tong Lam	A new two-user binary polar coded multiple access scheme with power and rate allocation	*IEEE Wireless Communications Letters*, 2021, 10(10): 2299-2303
		IFR: Top 21.01% in Engineering, Electrical & Electronic; 22.34% in Telecommunications; 23.17% in Computer Science, Information Systems
		- Also listed in Scopus, EI
Syed Jawad Ali Shah, Haiyang Zhong, Qianqian Zhang, **Huanxiang Liu**	Deciphering the effect of lysine acetylation on the misfolding and aggregation of human tau fragment ^{171}IPAKTPPAPK^{180} using molecular dynamic simulation and the Markov state model	*International Journal of Molecular Sciences*, 2022, 23(5): article no. 2399
		IFR: Top 23.31% in Biochemistry & Molecular Biology; 27.93% in Chemistry, Multidisciplinary
		- Also listed in Scopus
Yitong Lin, Yanling Pi, Yanqiu Wang, Xue Xia, Fanghui Qiu, Na Cao, Zhen Wang, Yu Liu, Jian Zhang, **Xiaoying Tan**	Dorsolateral prefrontal cortex mediates working memory processes in motor skill learning	*Psychology of Sport and Exercise*, 2022(59): article no. 102129
		IFR: Top 13.79% in Sport Sciences; 18.99% in Psychology
		- Also listed in Scopus, SSCI
Guo-Yue Wan, Ka-Man Lam, Ian-Ian Wong, Pedro Fong, Li-Rong Meng	Extraction of antibacterial peptides against *Helicobacter pylori* from bovine milk casein	*Archives of Medical Science*, 2022, 18(2): 376-381
		IFR: Top 36.63% in Medicine, General & Internal
		- Also listed in Scopus
Chuanye HUANG, Zhaowei KONG, **Jinlei NIE**, Mingling PAN, Haifeng ZHANG, **Qingde SHI**, Keith GEORGE	Impact of high-intensity interval and moderate-intensity continuous exercise on heart rate variability and cardiac troponin	*The Journal of Sports Medicine and Physical Fitness*, 2021, 61(9): 1301-1308
		- Also listed in Scopus

Authors	Title	Publication
Cui, Z., Liu, H., Zhang, H., Huang, Z., Tian, R., Li, L., Fan, W., Chen, Y., Chen, L., Zhang, S., Das, B.C., Severinov, K., Hitzeroth, I.I., Debata, P.R., Jin, Z., Liu, J., Huang, Z., Xie, W., Xie, H., **Lang, B.**, Ma, J., Weng, H., Tian, X., Hu, Z	The comparison of ZFNs, TALENs, and SpCas9 by GUIDE-seq in HPV-targeted gene therapy	*Molecular Therapy - Nucleic Acids*, 2021(26): 1466-1478 IFR: Top 11.51% in Medicine, Research & Experimental - Also listed in Scopus
Yang, M., Li, J., Huang, Z., Li, H., Wang, Y., Wang, X., Kang, S., Huang, X., Wu, C., Liu, T., Jia, Z., Liang, J., Yuan, X., He, S., Chen, X., Zhou, Z., Chen, Q., Liu, S., Li, J., Zheng, H., Liu, X., Li, K., Yao, X., **Lang, B.**, Liu, L., Liao, H.-X., Chen, S.	Structural basis of a human neutralizing antibody specific to the SARS-CoV-2 spike protein receptor-binding domain	*Microbiology Spectrum*, 2021, 9(2): article no. e01352-21 IFR: Top 14.71% in Microbiology - Also listed in Scopus
Bianfei Xuan, Yu Chee Sonia Chen, Kong Ching Wong, Ruipeng Chen, Po Sang Lo, Richard Lakerveld, **Henry Hoi Yee Tong**, Shing Fung Chow	Impact of cocrystal solution-state stability on cocrystal dissociation and polymorphic drug recrystallization during dissolution	*International Journal of Pharmaceutics*, 2021(610): article no. 121239 IFR: Top 14.34% in Pharmacology & Pharmacy - Also listed in Scopus
Yingfeng Ye, Tomas K. Tong, Zhaowei Kong, Emma Dan Tao, Xiaohua Ying, **Jinlei Nie**	Cardiac autonomic disturbance following sprint-interval exercise in untrained young males: Does exercise volume matter?	*Journal of Exercise Science and Fitness*, 2022, 20(1): 32-39 IFR: Top 37.93% in Sport Sciences - Also listed in Scopus
Zhaowei Kong, On Kei Lei, Shengyan Sun, Lei Li, **Qingde Shi**, Haifeng Zhang, **Jinlei Nie**	Hypoxic repeated sprint interval training improves cardiorespiratory fitness in sedentary young women	*Journal of Exercise Science and Fitness*, 2022, 20(2): 100-107 IFR: Top 37.93% in Sport Sciences - Also listed in Scopus
Wai Ming To, K.H. Lam	Green project management from employees' perspective in Hong Kong's engineering and construction sectors	*Engineering, Construction and Architectural Management*, 2022, 29(4): 1890-1907 IFR: Top 33.33% in Engineering, Civil; 48% in Engineering, Industrial - Also listed in Scopus, SSCI, EI
Tian Lin, Jiale Hu, Lifeng Zhang, Xiuqun Qin, Xuelian Liu, Yutao Lan, Ken Chen, Tianhui You	Promoting enteral tube feeding safety and performance in preterm infants: A systematic review	*International Journal of Nursing Studies*, 2022(128): article no. 104188 IFR: Top 0.80% in Nursing - Also listed in Scopus, SSCI
Xiumei Xu, Chao Feng, Yongshan Du, Qimeng Wang, Gaige Zhang, Yicheng Huang	Evaluating the sustainability of a tourism system based on emergy accounting and emergetic ternary diagrams: A case study of the Xinjiang Kanas tourism area	*Environment, Development and Sustainability*, 2022, 24(5): 6731-6787 IFR: Top 43.73% in Environmental Sciences - Also listed in Scopus
Ming-Qing Zhang, **Wei Zhang**, Min-Sen Chiu, Xiong-Lin Luo	Scalable active subspace low-rank graph representation for continuous system online security evaluation with input corruption	*Process Safety and Environmental Protection*, 2022(158): 242-256 IFR: Top 14.79% in Engineering, Chemical; 24.07% in Engineering, Environmental - Also listed in Scopus, EI
Zhongxiang Sun, Dingcheng Yang, Lin Xiao, **Laurie Cuthbert**, Fahui Wu, Yutao Zhu	Joint energy and trajectory optimization for UAV-enabled relaying network with multi-pair users	*IEEE Transactions on Cognitive Communications and Networking*, 2021, 7(3): 939-954 IFR: Top 12.77% in Telecommunications - Also listed in Scopus, EI
Xue Jiang, Yuan Xu, **Wei Ke**, Yang Zhang, Qun-Xiong Zhu, Yan-Lin He	An imbalanced multifault diagnosis method based on bias weights AdaBoost	*IEEE Transactions on Instrumentation and Measurement*, 2021(71): article no. 3505908 IFR: Top 15.63% in Instruments & Instrumentation; 20.29% in Engineering, Electrical & Electronic - Also listed in Scopus, EI
Mingfeng Jiang, Bin Yan, Yang Li, Jucheng Zhang, Tieqiang Li, **Wei Ke**	Image classification of Alzheimer's disease based on external-attention mechanism and fully convolutional network	*Brain Sciences*, 2022, 12(3): article no. 319 - Also listed in Scopus

Ka-Hou Chan, Sio-Kei Im	Sentiment analysis by using Naïve-Bayes classifier with stacked CARU	*Electronics Letters*, 2022, 58(10): 411-413 - Also listed in Scopus, EI
Lorenzo Monti, **Rita Tse**, **Su-Kit Tang**, Silvia Mirri, Giovanni Delnevo, Vittorio Maniezzo, Paola Salomoni	Edge-based transfer learning for classroom occupancy detection in a smart campus context	*Sensors*, 2022, 22(10): article no. 3692 IFR: Top 29.69% in Instruments & Instrumentation; 33.33% in Chemistry, Analytical; 34.42% in Engineering, Electrical & Electronic - Also listed in Scopus, EI
Cui, Z., Tian, R., Huang, Z., Jin, Z., Li, L., Liu, J., Huang, Z., Xie, H., Liu, D., Mo, H., Zhou, R., **Lang, B.**, Meng, B., Weng, H., Hu, Z.	FrCas9 is a CRISPR/Cas9 system with high editing efficiency and fidelity	*Nature Communications*, 2022(13): article no. 1425 IFR: Top 8.22% in Multidisciplinary Science - Also listed in Scopus
Xiuquan Huang, Xi Wang, Baoxin Chen, Fanbo Li, Shaodan Su, Tao Zhang	Temporal trend and regional disparity of agricultural green total factor productivity in China: Data envelopment analysis with biennial environmental technology	*Discrete Dynamics in Nature and Society*, 2022: article no. 2219779 - Also listed in Scopus
Xiuquan Huang, Chao Feng, Jiahong Qin, **Xi Wang**, **Tao Zhang**	Measuring China's agricultural green total factor productivity and its drivers during 1998-2019	*Science of the Total Environment*, 2022(829): article no. 154477 IFR: Top 9.32% in Environmental Sciences - Also listed in Scopus, EI
Zhaowei Kong, Haifeng Zhang, **Jinlei Nie**, Li Wen, **Qingde Shi**, **San Fan Ng**, Chuanye Huang, Keith George	Exercise training increases serum cardiac troponin T independent of left ventricular mass	*International Journal of Sports Medicine*, 2022, 43(6): 505-511 IFR: Top 47.13% in Sport Sciences - Also listed in Scopus
Zhaowei Kong, Qian Yu, Shengyan Sun, On Kei Lei, Yu Tian, **Qingde Shi**, **Jinlei Nie**, Martin Burtscher	The impact of sprint interval exercise in acute severe hypoxia on executive function	*High Altitude Medicine & Biology*, 2022, 23(2): 135–145 - Also listed in Scopus
Zhisheng (Edward) Wen, Mark Feng Teng, **Lili Han**, Yong Zeng	Working memory models and measures in language and bilingualism research: Integrating cognitive and affective perspectives	*Brain Sciences*, 2022, 12(6): article no. 729 - Also listed in Scopus
Song-Kyoo (Amang) Kim	Multi-layered blockchain governance game	*Axioms*, 2022, 11(1): article no. 27 IFR: Top 35.58% in Mathematics, Applied - Also listed in Scopus
Song-Kyoo (Amang) Kim	Shifted brownian fluctuation game	*Mathematics*, 2022, 10(10): article no. 1735 IFR: Top 6.33% in Mathematics - Also listed in Scopus
Hongbo Pan, Huiquan Chen, Leshi Chen, Wanwan Zhang, **Ping Lan**, Peng Jia, Shizu Li, Meisheng Yi, Kuntong Jia	Establishment and characterization of a liver cell line from black porgy, *Acanthopagrus schlegelii*	*Aquaculture Reports*, 2022(25): article no. 101213 IFR: Top 24.07% in Fisheries - Also listed in Scopus
Yu Lan, Lei Li, Li-Ting Zhang, **Yao Jin**, Li-Xin Xia, Gui-Fang Huang, Wangyu Hu, Wei-QingHuang	Ti2CO2/Ti2CF2 van der Waals heterostructure with robust Schottky barriers under electric fields	*Applied Surface Science*, 2022(602): article no. 154313 IFR: Top 5.26% in Materials Science, Coatings & Films; 17.39% in Physics, Applied; 20.29% in Physics, Condensed Matter; 25.15% in Chemistry, Physical - Also listed in Scopus, EI
Yang Shen	Evaluation and selection of cultural and creative design solutions based on grey correlation multicriteria decision analysis	*Mathematical Problems in Engineering*, 2022(2022): article no. 1755728 - Also listed in Scopus, EI
Boyin Wu	Sports intelligent assistance system based on deep learning	*Scientific Programming*, 2021(2021): article no. 3481469 - Also listed in Scopus, EI

Zixin Qin, Cheong Nang Kuok, Hui Dong, Luhan Jiang, Li Zhang, Maoni Guo, Hio Kuan Leong, Lei Wang, **Grace Meng**, San Ming Wang	Can population BRCA screening be applied in non-Ashkenazi Jewish populations? Experience in Macau population	*Journal of Medical Genetics*, 2021, 58(9): 587-591 IFR: Top 16% in Genetics & Heredity - Also listed in Scopus
Yiqiong Bao, Mengrong Li, Yanjie Xie, **Jingjing Guo**	Investigating the permeation mechanism of typical phthalic acid esters (PAEs) and membrane response using molecular dynamics simulations	*Membranes*, 2022, 12(6): article no. 596 IFR: Top 23.33% in Polymer Science; 33.10% in Engineering, Chemical; 38.26% in Materials Science, Multidisciplinary; 41.72% in Chemistry, Physical - Also listed in Scopus
Miaomiao Li, Mengrong Li, Yanjie Xie, **Jingjing Guo**	Uncovering the molecular basis for the better gefitinib sensitivity of EGFR with complex mutations over single rare mutation: Insights from molecular simulations	*Molecules*, 2022, 27(12): article no. 3844 IFR: Top 36.31% in Chemistry, Multidisciplinary; 38.51% in Biochemistry & Molecular Biology - Also listed in Scopus
Mengrong Li, Yiqiong Bao, Ran Xu, Honggui La, **Jingjing Guo**	Critical extracellular Ca^{2+} dependence of the binding between PTH1R and a G-protein peptide revealed by MD simulations	*ACS Chemical Neuroscience*, 2022, 13(11): 1666-1674 IFR: Top 19.05% in Chemistry, Medicinal; 23.72% in Neurosciences; 27.03% in Biochemistry & Molecular Biology - Also listed in Scopus
On-Kei Lei, Shengyan Sun, **Jinlei Nie**, **Qingde Shi**, Zhaowei Kong	Sprint interval exercise improves cognitive performance unrelated to postprandial glucose fluctuations at different levels of normobaric hypoxia	*Journal of Clinical Medicine*, 2022, 11(11): article no. 3159 IFR: Top 31.40% in Medicine, General & Internal - Also listed in Scopus
Xueyi Li, **Angus K. Y. Wong**, Kevin Hung, Yonghua Wang, Everett X. Wang	Joint optimization scheme for intelligent reflecting surface aided multi-relay networks	*IET Communications*, 2022, 16(13): 1498-1508 - Also listed in Scopus, EI
Shengyan Sun, On Kei Lei, **Jinlei Nie**, **Qingde Shi**, Yuming Xu, Zhaowei Kong	Effects of low-carbohydrate diet and exercise training on gut microbiota	*Frontiers in Nutrition*, 2022(9): article no. 884550 IFR: Top 17.78% in Nutrition & Dietetics - Also listed in Scopus
Mingzhu Hu, **Qingde Shi**, Shengyan Sun, Hin Ieong Hong, Haifeng Zhang, Fengxue Qi, Liye Zou, **Jinlei Nie**	Effect of a low-carbohydrate diet with or without exercise on anxiety and eating behavior and associated changes in cardiometabolic health in overweight young women	*Frontiers in Nutrition*, 2022(9), article no. 894916 IFR: Top 17.78% in Nutrition & Dietetics - Also listed in Scopus
Zhenjie Yang, Sanwei He, Huiyuan Zhang, Meifang Li, Yuqing Liang	Spatiotemporal analysis of gastrointestinal tumor (GI) with kernel density estimation (KDE) based on heterogeneous background	*International Journal of Environmental Research and Public Health*, 2022, 19(13), article no.7751 IFR: Top 30.05% in Public, Environmental & Occupational Health; 39.62% in Environmental Sciences - Also listed in Scopus, SSCI
Zhenjie Yang, Juan Liu, Qing Wang	Diagnose earlier, live longer? The impact of cervical and breast cancer screening on life span	*PLoS ONE*, 2022, 17(7), article no. e0270347 IFR: Top 39.73% in Multidisciplinary Sciences - Also listed in Scopus
Baoxin Chen, **Kan Chen**, **Xi Wang**, Xu Wang	Spatial and temporal distribution characteristics of rainstorm and flood disasters around Tarim Basin	*Polish Journal of Environmental Studies*, 2022, 31(3): 2029-2037 - Also listed in Scopus
Patrick Cheong-Iao Pang, Wenjing Jiang, Guanwen Pu, Kin-Sun Chan, Ying Lau	Social media engagement in two governmental schemes during the COVID-19 pandemic in Macao	*International Journal of Environmental Research and Public Health*, 2022, 19(15): article no. 8976 IFR: Top 33.81% in Public, Environmental & Occupational Health; 35.84% in Environmental Sciences - Also listed in Scopus, SSCI

Xiaoshu Xu, Kimberly Kolletar-Zhu, Jia Liu, **YunFeng Zhang**, Na Cai	Development and validation of a PLE scale from academic administrative perspective (PLES-AA) in tertiary education: A pilot study in China	*PLoS One*, 2022, 17(8): article no. e0272214 IFR: Top 39.73% in Multidisciplinary Sciences - Also listed in Scopus
Si Shi, **Rita Tse**, **Wuman Luo**, Stefano D'Addona, Giovanni Pau	Machine learning-driven credit risk: A systemic review	*Neural Computing and Applications*, 2022, 34(17): 14327-14339 IFR: Top 31.25% in Computer Science, Artificial Intelligence - Also listed in Scopus, EI
Yue Zhu, **Ho Yin Kan**	Analysis of public big data management under text analysis	*Mathematical Problems in Engineering*, 2022(2022): article no. 1815170 - Also listed in Scopus, EI
Hong Zhao, Jie Yu, Gaoqi Weng, Jiahui Yu, Ercheng Wang, Junbo Gao, **Huanxiang Liu**, Tingjun Hou, Zhe Wang, Yu Kang	Structural view on the role of the TRD loop in regulating DNMT3A activity: A molecular dynamics study	*Physical Chemistry Chemical Physics*, 2022, 24(26): 15791-15801 IFR: Top 25% in Physics, Atomic, Molecular & Chemical; 49.08% in Chemistry, Physical - Also listed in Scopus, EI
Huayi Liu, Yi Zhou, Yingjie Song, Qianqian Zhang, Yeyi Kan, Xinyue Tang, Qingjie Xiao, Qianyin Xiang, **Huanxiang Liu**, Yunzi Luo, Rui Bao	Structural and dynamics studies of the Spcas9 variant provide insights into the regulatory role of the REC1 domain	*ACS Catalysis*, 2022, 12(14): 8687-8697 IFR: Top 11.04% in Chemistry, Physical - Also listed in Scopus, EI
Yuwei Yang, Zhenxing Wu, Xiaojun Yao, Yu Kang, Tingjun Hou, Chang-Yu Hsieh, **Huanxiang Liu**	Exploring low-toxicity chemical space with deep learning for molecular generation	*Journal of Chemical Information and Modeling*, 2022, 62(13): 3191-3199 IFR: Top 14.29% in Chemistry, Medicinal; 17.68% in Computer Science, Information Systems; 23.01% in Computer Science, Interdisciplinary Applications; 28.49% in Chemistry, Multidisciplinary - Also listed in Scopus, EI
Liang, J., Cui, Z., Wu, C., Yu, Y., Tian, R., Xie, H., Jin, Z., Fan, W., Xie, W., Huang, Z., Xu, W., Zhu, J., You, Z., Guo, X., Qiu, X., Ye, J., **Lang, B.**, Li, M., Tan, S., Hu, Z.	DeepEBV: A deep learning model to predict Epstein-Barr virus (EBV) integration sites	*Bioinformatics*, 2021, 37(20): 3405-3411 IFR: Top 8.77% in Mathematical & Computational Biology; 10.13% in Biochemical Research Methods; 13.29% in Biotechnology & Applied Microbiology - Also listed in Scopus
Fan W., Yu M., Wang X., Xie W., Tian R., Cui Z., Jin Z., Huang Z., Das B.C., Severinov K., Hitzeroth I.I., Debata P.R., Tian X., Xie H., **Lang B.**, Tan J., Xu H., Hu Z.	Non-homologous dsODN increases the mutagenic effects of CRISPR-Cas9 to disrupt oncogene E7 in HPV positive cells	*Cancer Gene Therapy*, 2022, 29(6): 758-769 IFR: Top 17.14% in Genetics & Heredity; 20.25% in Biotechnology & Applied Microbiology; 30.20% in Oncology; 30.22% in Medicine, Research & Experimental - Also listed in Scopus
Shuai Wang, **Hao Sheng**, Da Yang, Yang Zhang, Yubin Wu, Sizhe Wang	Extendable Multiple Nodes Recurrent Tracking Framework With RTU++	*IEEE Transactions on Image Processing*, 2022(31): 5257-5271 IFR: Top 4.35% in Engineering, Electrical & Electronic; 8.33% in Computer Science, Artificial Intelligence - Also listed in Scopus, EI
Jimoh Olawale Ajadi, **Angus Wong**, Tahir Mahmood, **Kevin Hung**	A new multivariate CUSUM chart for monitoring of covariance matrix with individual observations under estimated parameter	*Quality and Reliability Engineering International*, 2022, 38(2): 834-847 IFR: Top 38.04% in Engineering, Multidisciplinary; 56% in Engineering, Industrial; 42.53% in Operations Research & Management Science - Also listed in Scopus, EI
Mingfeng Jiang, Yujie Qiu, Wei Zhang, Jucheng Zhang, Zhefeng Wang, **Wei Ke**, Yongquan Wu, Zhikang Wang	Visualization deep learning model for automatic arrhythmias classification	*Physiological Measurement*, 2022, 43(8): article no. 085003 - Also listed in Scopus, EI

Yanbing Chen, **Wei Ke**, Hao Sheng, Zhang Xiong	Learning more in vehicle re-identification: Joint local blur transformation and adversarial network optimization	*Applied Sciences*, 2022, 12(15): article no. 7467 IFR: Top 42.39% in Engineering, Multidisciplinary; 47.20% in Physics, Applied - Also listed in Scopus
Wei Zhang, **Wei Ke**, Hao Sheng, Zhang Xiong	Progressive multi-scale fusion network for light field super-resolution	*Applied Sciences*, 2022, 12(14): article no. 7135 IFR: Top 42.39% in Engineering, Multidisciplinary; 47.20% in Physics, Applied - Also listed in Scopus
Ke Wang, Chan-Tong Lam, Benjamin K. Ng	Positioning information based high-speed communications with multiple RISs: Doppler mitigation and hardware impairments	*Applied Sciences*, 2022, 12(14): article no. 7076 IFR: Top 42.39% in Engineering, Multidisciplinary; 47.20% in Physics, Applied - Also listed in Scopus
Yang Liu, **Hao Sheng**, Shuai Wang, Yubin Wu, Zhang Xiong	Feature-level camera style transfer for person re-identification	*Applied Sciences*, 2022, 12(14): article no. 7286 IFR: Top 35.43 % in Engineering, Multidisciplinary; 40.18% in Chemistry, Multidisciplinary; 47.20% in Physics, Applied - Also listed in Scopus
Baoxin Chen, Xu Wang, **Xi Wang**, Shengqing Zhou, **Hanxiang Gong**	Assessment of disaster loss index and characteristics of gale disaster in typical arid and semiarid lands	*Discrete Dynamics in Nature and Society*, 2022(2022): article no. 9455559 - Also listed in Scopus
Xiumei Xu, Yilan Tan, Chao Feng	Knowledge structure of emergy theory in the field of eco-compensation research: A grounded theory approach	*Natural Resources Forum*, 2022, 46(3): 351-373 - Also listed in Scopus, SSCI

註：以粗體標示之作者為澳理大教職員或學生；IFR代表影響力因子排行。

Remarks: Authors highlighted in bold characters are from MPU; IFR stands for impact factor ranking.

社會科學引文索引 Social Science Citation Index (SSCI)

作者 Author(s)	標題 Title	期刊 Journal
Hong Li, **Kuo-Hsun Wen**	Research on design of stalk furniture based on the concept and application of Miryoku engineering theory	*Sustainability*, 2021, 13(24): article no. 13652 IFR: Top 44.88% in Environmental Studies - Also listed in Scopus, SCIE
Peiwen Guo, **Dong Zeng**, Haina Yan, Kin-Sun Chan, **Yifen Yin**	The influence of social capital on youths' anti-epidemic action in the field of epidemic-preventative social distancing in China	*International Journal of Environmental Research and Public Health*, 2021, 18(21): article no. 11155 IFR: Top 18.71% in Public, Environmental & Occupational Health - Also listed in Scopus, SCIE
Hongfeng Zhang, Yumeng Zeng	The education for sustainable development, online technology and teleological rationality: A Game between instrumental value and humanistic value	*Sustainability*, 2022, 14(4): article no. 2101 IFR: Top 44.88% in Environmental Studies - Also listed in Scopus, SCIE
Yitong Lin, Yanling Pi, Yanqiu Wang, Xue Xia, Fanghui Qiu, Na Cao, Zhen Wang, Yu Liu, Jian Zhang, **Xiaoying Tan**	Dorsolateral prefrontal cortex mediates working memory processes in motor skill learning	*Psychology of Sport and Exercise*, 2022(59): article no. 102129 IFR: Top 27.71% in Psychology, Applied; 36.84% in Hospitality, Leisure, Sport & Tourism - Also listed in Scopus, SCIE
Chunli Ji, Susana Mieiro, Guihai Huang	How social media advertising features influence consumption and sharing intentions: The mediation of customer engagement	*Journal of Research in Interactive Marketing*, 2022, 16(1): 137-153 IFR: Top 13.63% in Business - Also listed in Scopus
Mingzhu Hu, Mary E. Jung, **Jinlei Nie**, Zhaowei Kong	Affective and enjoyment responses to sprint interval training in healthy individuals: A systematic review and meta-analysis	*Frontiers in Psychology*, 2022(13): article no. 820228 IFR: Top 23.81% in Psychology, Multidisciplinary - Also listed in Scopus
Weng Marc Lim, **Wai-Ming To**	The economic impact of a global pandemic on the tourism economy: The case of COVID-19 and Macao's destination- and gambling-dependent economy	*Current Issues in Tourism*, 2022, 25(8): 1258-1269 IFR: Top 26.32% in Hospitality, Leisure, Sport & Tourism - Also listed in Scopus
Wai Ming To, K.H. Lam	Green project management from employees' perspective in Hong Kong's engineering and construction sectors	*Engineering, Construction and Architectural Management*, 2022, 29(4): 1890-1907 - Also listed in Scopus, SCIE, EI
John Corbett, **Li Li**	Polysemy, synonymy, and metaphor: The use of the *Historical Thesaurus of English* in translation studies	*Digital Scholarship in the Humanities*, 2021, 36(4): 827-839 IFR: Top 50% in Linguistics - Also listed in Scopus, AHCI
Tian Lin, Jiale Hu, Lifeng Zhang, Xiuqun Qin, Xuelian Liu, Yutao Lan, Ken Chen, Tianhui You	Promoting enteral tube feeding safety and performance in preterm infants: A systematic review	*International Journal of Nursing Studies*, 2022(128): article no. 104188 IFR: Top 0.81% in Nursing - Also listed in Scopus, SCIE
Venessa Chan Lyu, Wynne Chin, **Hongfeng Zhang**, Vincent Liu	Value added or overload? A study of the countervailing effects of non-core features on mobile banking apps	*Journal of Consumer Behaviour*, 2022, 21(3): 602-613 - Also listed in Scopus
Kinfong Leong, Pedro Fong, Chiufai Kuok, Lirong Meng	Cross-sectional association and influencing factors of job satisfaction and burnout among nurses in Macao	*SAGE Open*, 2022, 12(2): 1-9, doi: 10.1177/21582440221104811 IFR: Top 47.75% in Social Sciences, Interdisciplinary - Also listed in Scopus

Shuo Yu, **Jiansong Zheng**, Zhibin Xu, **Tao Zhang**	The transformation of parents' perception of education involution under the background of "double reduction" policy: The mediating role of education anxiety and perception of education equity	*Frontiers in Psychology*, 2022(13): article no. 800039 IFR: Top 23.81% in Psychology, Multidisciplinary - Also listed in Scopus
Zhenjie Yang, Sanwei He, Huiyuan Zhang, Meifang Li, Yuqing Liang	Spatiotemporal analysis of gastrointestinal tumor (GI) with kernel density estimation (KDE) based on heterogeneous background	*International Journal of Environmental Research and Public Health*, 2022, 19(13), article no. 7751 IFR: Top 18.71% in Public, Environmental & Occupational Health - Also listed in Scopus, SCIE
Patrick Cheong-Iao Pang, Wenjing Jiang, Guanwen Pu, Kin-Sun Chan, Ying Lau	Social media engagement in two governmental schemes during the COVID-19 pandemic in Macao	*International Journal of Environmental Research and Public Health*, 2022, 19(15): article no. 8976 IFR: Top 24.73% in Public, Environmental & Occupational Health - Also listed in Scopus, SCIE
Tao Zhang	Measuring following behaviour in gift giving by utility function: Statistical model and empirical evidence from China	*Humanities & Social Sciences Communications*, 2022, 9(1): article no. 190 IFR: Top 33.33% in Social Sciences, Interdisciplinary - Also listed in Scopus, AHCI
Wai Ming To, Guihai Huang	Effects of equity, perceived organizational support and job satisfaction on organizational commitment in Macao's gaming industry	*Management Decision*, 2022, 60(9): 2433-2454 IFR: Top 38.50% in Management; 43.51% in Business - Also listed in Scopus
Zhenjie Yang, Guilan Zhu, Linda Chelan Li, Yilong Sheng	Services and surveillance during the pandemic lockdown: Residents' committees in Wuhan and Beijing	*China Information*, 2021, 35(3): 420-440 IFR: Top 36.9% in Area Studies - Also listed in Scopus
Chunli Ji, Ping Yang	What makes integrated resort attractive? Exploring the role of experience encounter elements	*Journal of Travel & Tourism Marketing*, 2022, 39(3): 305-319 IFR: Top 17.54% in Hospitality, Leisure, Sport & Tourism - Also listed in Scopus
Xiumei Xu, Yilan Tan, Chao Feng	Knowledge structure of emergy theory in the field of eco-compensation research: A grounded theory approach	*Natural Resources Forum*, 2022, 46(3): 351-373 - Also listed in Scopus, SCIE

註：以粗體標示之作者為澳理大教職員或學生；IFR代表影響力因子排行。

Remarks: Authors highlighted in bold characters are from MPU; IFR stands for impact factor ranking.

藝術人文引文索引 Arts & Humanities Citation Index (AHCI)

作者 Author(s)	標題 Title	期刊 Journal
Li Li	Su Manshu's adaptation of *Les Misérables*: The manipulation of a bridging text in an activist translation	*Translation and Literature*, 2022, 31(1): 35-51 - Also listed in Scopus
John Corbett, **Li Li**	Polysemy, synonymy, and metaphor: The use of the *Historical Thesaurus of English* in translation studies	*Digital Scholarship in the Humanities*, 2021, 36(4): 827-839 - Also listed in Scopus, SSCI
Tao Zhang	Measuring following behaviour in gift giving by utility function: Statistical model and empirical evidence from China	*Humanities & Social Sciences Communications*, 2022, 9(1): article no. 190 - Also listed in Scopus, SSCI

註：以粗體標示之作者為澳理大教職員或學生；IFR代表影響力因子排行。

Remarks: Authors highlighted in bold characters are from MPU; IFR stands for impact factor ranking.

Scopus 索引 Scopus Index

作者 Author(s)	標題 Title	期刊 / 會議 / 書籍章節 Journal / Conference / Book Chapter
Kei Long Wong, Michael Bosello, **Rita Tse**, Carlo Falcomer, Claudio Rossi, Giovanni Pau	Li-Ion batteries state-of-charge estimation using deep LSTM at various battery specifications and discharge cycles	*Proceedings of the 2021 Conference on Information Technology for Social Good (GoodIT 2021)*, ACM, Rome, Italy, 2021: 85-90 - Also listed in EI
Siyou Liu, Yuqi Sun, Longyue Wang	Recent advances in dialogue machine translation	*Information*, 2021, 12(11): article no. 484 - Also listed in EI
Carlos Siu Lam	Informal industry–university partnership in gaming education and research: A case study in Macao	*Asian Education and Development Studies*, 2022, 11(1): 118-129
Bernard C. S. Tan, **Hio Man Lei**, Erdan Ma, **Victor Chan**	Strengths and limitations of using e-learning for Chinese learners on creative engagement	20th International Conference on Advances in Web-Based Learning (ICWL 2021), Macao, China, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 2021(13103): 115-126 - Also listed in EI
Ka-Cheng Choi, Sha Li, **Chan-Tong Lam**, **Angus Wong**, **Philip Lei**, **Benjamin Ng**, **Ka-Meng Siu**	Genetic algorithm for tourism route planning considering time constrains	*International Journal of Engineering Trends and Technology*, 2022, 70(1): 171-179
Chiara Ceccarini, **Ka Kei Chan**, **Lei Lok I**, **Rita Tse**, **Su-Kit Tang**, Catia Prandi	Fostering user's awareness about indoor air quality through an IoT-enabled home garden system	*Proceedings - 30th International Conference on Computer Communications and Networks (ICCCN 2021)*, IEEE, Virtual, Athens, Greece, 2021: 1-4, doi: 10.1109/ICCCN52240.2021.9522313 - Also listed in EI
Su Shaodan, **Zhang Hongfeng**, Lv Huan	The research on the social participation in higher education governance in Macao	2021 5th International Conference on Digital Technology in Education (ICDTE 2021), ACM, Virtual, Busan, Republic of Korea, 2021: 156-162 - Also listed in EI
Wei Ke, Ka-Hou Chan	A multilayer CARU framework to obtain probability distribution for paragraph-based sentiment analysis	*Applied Sciences*, 2021, 11(23): article no. 11344 - Also listed in SCIE

Jinlong Li, **Xiaochen Yuan**, Li Feng	Alteration detection of multispectral/hyperspectral images using dual-path partial recurrent networks	*Remote Sensing*, 2021, 13(23): article no. 4802 - Also listed in SCIE, EI
Hong Li, **Kuo-Hsun Wen**	Research on design of stalk furniture based on the concept and application of Miryoku engineering theory	*Sustainability*, 2021, 13(24): article no. 13652 - Also listed in SSCI, SCIE
Mohammad Z. Shanti, Chung-Suk Cho, Young-Ji Byon, Chan Yeob Yuen, Tae-Yeon Kim, **Song-Kyoo Kim**, Ahmed Altunaiji	A novel implementation of an AI-based smart construction safety inspection protocol in the UAE	*IEEE Access*, 2021(9): 166603-166616 - Also listed in SCIE, EI
Peiwen Guo, **Dong Zeng**, Haina Yan, Kin-Sun Chan, **Yifen Yin**	The influence of social capital on youths' anti-epidemic action in the field of epidemic-preventative social distancing in China	*International Journal of Environmental Research and Public Health*, 2021, 18(21): article no. 11155 - Also listed in SSCI, SCIE
Qiang Li, Zhan Wang, Chao Liu, **Xi Wang**	A new combined cake-complete model with the cake resistance corrected by cake filtration equilibrium coefficient in cross-flow microfiltration	*Journal of Environmental Chemical Engineering*, 2022, 10(1): article no. 106956 - Also listed in SCIE, EI
Yanbing Chen, **Wei Ke**, **Hong Lin**, **Chan-Tong Lam**, Kai Lv, Hao Sheng, Zhang Xiong	Local perspective based synthesis for vehicle re-identification: A transformation state adversarial method	*Journal of Visual Communication and Image Representation*, 2022(83): article no. 103432 - Also listed in SCIE, EI
Furong Yang, Andrea Ferlini, Davide Aguiari, Davide Pesavento, **Rita Tse**, Suman Banerjee, Gaogang Xie, Giovanni Pau	Revisiting WiFi offloading in the wild for V2I applications	*Computer Network*, 2022(202): article no. 108634 - Also listed in SCIE, EI
Wai-Ming To, Billy T.W. Yu	Effects of difficult coworkers on employees' responses in Macao's public organizations - The mediating role of perceived stress	*Administrative Sciences*, 2022, 12(1): article no. 6
Hongfeng Zhang, Yumeng Zeng	The education for sustainable development, online technology and teleological rationality: A Game between instrumental value and humanistic value	*Sustainability*, 2022, 14(4): article no. 2101 - Also listed in SSCI, SCIE
Ieok Cheng Wong, Benjamin K. Ng, Chan-Tong Lam	Construction of polar codes in OFDM system using genetic algorithm	2021 IEEE 21st International Conference on Communication Technology (ICCT 2021), IEEE, Tianjin, China, 2021: 152-156 - Also listed in EI
Benjamin K. Ng, Chan-Tong Lam, Eddie K. L. Law	Blocklength minimization in NOMA systems with hybrid long and short packets	*Proceedings - 2021 IEEE Latin-American Conference on Communications (LATINCOM 2021)*, IEEE, Santo Domingo, Dominican Republic, 2021: 1-5, doi: 10.1109/LATINCOM53176.2021.9647829 - Also listed in EI
Song-Kyoo (Amang) Kim	Strategic alliance for blockchain governance game	*Probability in the Engineering and Informational Sciences*, 2022, 36(1): 184-200 - Also listed in SCIE
Ka-Hou Chan, Sio-Kei Im, Wei Ke	Multiple classifier for concatenate-designed neural network	*Neural Computing and Applications*, 2022, 34(2), 1359-1372 - Also listed in SCIE, EI
Chak Fong Chong, Xu Yang, Wei Ke, Yapeng Wang	GAN-based spatial transformation adversarial method for disease classification on CXR photographs by smartphones	2021 International Conference on Digital Image Computing: Techniques and Applications (DICTA 2021), IEEE, Gold Coast, QLD, Australia, 2021: 1-8, doi: 10.1109/DICTA52665.2021.9647192 - Also listed in EI

Sai Man Cheok, Lap Man Hoi, Su-Kit Tang, Rita Tse	Crawling parallel data for bilingual corpus using hybrid crawling architecture	12th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN 2021)/ 11th International Conference on Current and Future Trends of Information and Communication Technologies in Healthcare (ICTH 2021), Elsevier B.V., Leuven, Belgium, *Procedia Computer Science*, 2022(198): 122-127
		- Also listed in EI
Ka-Hou Chan, Sio-Kei Im	Chebyshev ambient occlusion	*IEEE Access*, 2021(9): 147751-147756
		- Also listed in SCIE, EI
Wei Ke, Ka-Hou Chan	Pattern matching based on object graphs	*IEEE Access*, 2021(9): 159313-159325
		- Also listed in SCIE, EI
Yueyun Yu, Benjamin K. Ng, Chan-Tong Lam	Grasshopper optimization algorithm for blind source separation based on independent component analysis	2021 7th International Conference on Computer and Communications (ICCC 2021), IEEE, Chengdu, China, 2021: 1188-1193
		- Also listed in EI
Yuanhui Liang, Chan Tong Lam, Benjamin K. Ng	Compression algorithm for end-to-end communication using CNN	2021 7th International Conference on Computer and Communications (ICCC 2021), IEEE, Chengdu, China, 2021: 318-323
		- Also listed in EI
Hongfeng Zhang, Johnny F. I. Lam, Shaodan Su	A qualitative research on the online learning experiences of college students in Macao during the pandemic	ICEEL 2021 - 2021 5th International Conference on Education and E-Learning, ACM, Virtual, Online, Japan, 2021: 173-178
		- Also listed in EI
Bowie Liu, Chan-Tong Lam, Benjamin K. Ng	Improved real-time traffic congestion detection with automatic image cropping using online camera images	2021 IEEE 21st International Conference on Communication Technology (ICCT 2021), IEEE, Tianjin, China, 2021: 1117-1122
		- Also listed in EI
Rita Tse, Silvia Mirri, **Su-Kit Tang**, Giovanni Pau, Paola Salomoni	Modelling and visualizing people flow in smart buildings: A Case Study in a University Campus	*GoodIT 2021 - Proceedings of the 2021 Conference on Information Technology for Social Good*, ACM, Rome, Italy, 2021: 309-312
		- Also listed in EI
Baoxin Chen, **Kan Chen**, **Xi Wang**, Xu Wang	Disaster information digitization for intelligent forecast in Tarim River Basin using multiplicative seasonal ARIMA model	2021 IEEE Conference on Telecommunications, Optics and Computer Science (TOCS 2021), IEEE, Shenyang, China, 2021: 836-839
		- Also listed in EI
Benjamin K. Ng, Chan-Tong Lam	A new two-user binary polar coded multiple access scheme with power and rate allocation	*IEEE Wireless Communications Letters*, 2021, 10(10): 2299-2303
		- Also listed in SCIE, EI
Chan-Tong Lam, Benjamin Ng, Ke Wang, Eddie Law	Channel estimation using in-band pilots for uplink massive MIMO	2021 IEEE 21st International Conference on Communication Technology (ICCT 2021), IEEE, Tianjin, China, 2021: 268-273
		- Also listed in EI
Su Hou Leong, Chan-Tong Lam, Benjamin K. Ng	Bus arrival time prediction for short-distance bus stops with real-time online information	2021 IEEE 21st International Conference on Communication Technology (ICCT 2021), IEEE, Tianjin, China, 2021: 387-392
		- Also listed in EI
Yapeng Wang, Ruize Jia, Chan Tong Lam, Ka Cheng Choi, Koon Kei Ng, Xu Yang, Sio Kei Im	Automatic speech recognition for portuguese with small data set	International Conference on Computer and Information Science (ICIS 2021), *Computer and Information Science 2021 - Fall*, 2021(1003): 1-13
Chi Chong Tang	Ethical characteristics and educational attainment in Macao, China	*Asian Ethnicity*, 2022, 23(2): 352-361
Xiaochen Yuan, Jinlong Li	Dual partial recurrent networks for hyperspectral image change detection	*Conference Proceedings - 2021 4th International Conference on Algorithms, Computing and Artificial Intelligence (ACAI 2021)*, ACM, Sanya, China, 2021, article no. 70, p. 434-440
		- Also listed in EI

Authors	Title	Publication
Mei-Kei Lai, Siu Wing Chung	TranScent in stillness: Exploring the feasibility of using incense art with virtual reality for meditation	10th International Conference on Digital and Interactive Arts (ARTECH 2021), ACM, Aveiro, Portugal, 2021: article no. 6 - Also listed in EI
Ke Wang, Chan-Tong Lam, Benjamin K. Ng	Doppler effect mitigation using reconfigurable intelligent surfaces with hardware impairments	*Proceedings - 2021 IEEE Globecom Workshops (GC Wkshps 2021)*, IEEE, Madrid, Spain, 2021: 1-6, doi: 10.1109/GCWkshps52748.2021.9681939 - Also listed in EI
Syed Jawad Ali Shah, Haiyang Zhong, Qianqian Zhang, **Huanxiang Liu**	Deciphering the effect of lysine acetylation on the misfolding and aggregation of human tau fragment [171]IPAKTPPAPK[180] using molecular dynamic simulation and the Markov state model	*International Journal of Molecular Sciences*, 2022, 23(5): article no. 2399 - Also listed in SCIE
Yitong Lin, Yanling Pi, Yanqiu Wang, Xue Xia, Fanghui Qiu, Na Cao, Zhen Wang, Yu Liu, Jian Zhang, **Xiaoying Tan**	Dorsolateral prefrontal cortex mediates working memory processes in motor skill learning	*Psychology of Sport and Exercise*, 2022(59): article no. 102129 - Also listed in SSCI, SCIE
Chunli Ji, Susana Mieiro, Guihai Huang	How social media advertising features influence consumption and sharing intentions: The mediation of customer engagement	*Journal of Research in Interactive Marketing*, 2022, 16(1): 137-153 - Also listed in SSCI
Guo-Yue Wan, Ka-Man Lam, Ian-Ian Wong, Pedro Fong, Li-Rong Meng	Extraction of antibacterial peptides against *Helicobacter pylori* from bovine milk casein	*Archives of Medical Science*, 2022, 18(2): 376-381 - Also listed in SCIE
Chuanye HUANG, Zhaowei KONG, **Jinlei NIE**, Mingling PAN, Haifeng ZHANG, **Qingde SHI**, Keith GEORGE	Impact of high-intensity interval and moderate-intensity continuous exercise on heart rate variability and cardiac troponin	*The Journal of Sports Medicine and Physical Fitness*, 2021, 61(9): 1301-1308 - Also listed in SCIE
Cui, Z., Liu, H., Zhang, H., Huang, Z., Tian, R., Li, L., Fan, W., Chen, Y., Chen, L., Zhang, S., Das, B.C., Severinov, K., Hitzeroth, I.I., Debata, P.R., Jin, Z., Liu, J., Huang, Z., Xie, W., Xie, H., **Lang, B.**, Ma, J., Weng, H., Tian, X., Hu, Z	The comparison of ZFNs, TALENs, and SpCas9 by GUIDE-seq in HPV-targeted gene therapy	*Molecular Therapy - Nucleic Acids*, 2021(26): 1466-1478 - Also listed in SCIE
Yang, M., Li, J., Huang, Z., Li, H., Wang, Y., Wang, X., Kang, S., Huang, X., Wu, C., Liu, T., Jia, Z., Liang, J., Yuan, X., He, S., Chen, X., Zhou, Z., Chen, Q., Liu, S., Li, J., Zheng, H., Liu, X., Li, K., Yao, X., **Lang, B.**, Liu, L., Liao, H.-X., Chen, S.	Structural basis of a human neutralizing antibody specific to the SARS-CoV-2 spike protein receptor-binding domain	*Microbiology Spectrum*, 2021, 9(2): article no. e01352-21 - Also listed in SCIE
Bianfei Xuan, Yu Chee Sonia Chen, Kong Ching Wong, Ruipeng Chen, Po Sang Lo, Richard Lakerveld, **Henry Hoi Yee Tong**, Shing Fung Chow	Impact of cocrystal solution-state stability on cocrystal dissociation and polymorphic drug recrystallization during dissolution	*International Journal of Pharmaceutics*, 2021(610): article no. 121239 - Also listed in SCIE
Yingfeng Ye, Tomas K. Tong, Zhaowei Kong, Emma Dan Tao, Xiaohua Ying, **Jinlei Nie**	Cardiac autonomic disturbance following sprint-interval exercise in untrained young males: Does exercise volume matter?	*Journal of Exercise Science and Fitness*, 2022, 20(1): 32-39 - Also listed in SCIE
Cristina Osswald	On Christian Martyrdom in Japan (1597-1658)	*Hipogrifo*, 2021, 9(2): 927-947
Zhaowei Kong, On Kei Lei, Shengyan Sun, Lei Li, **Qingde Shi**, Haifeng Zhang, **Jinlei Nie**	Hypoxic repeated sprint interval training improves cardiorespiratory fitness in sedentary young women	*Journal of Exercise Science and Fitness*, 2022, 20(2): 100-107 - Also listed in SCIE
Li Li	Su Manshu's adaptation of *Les Misérables*: The manipulation of a bridging text in an activist translation	*Translation and Literature*, 2022, 31(1): 35-51 - Also listed in AHCI
Mingzhu Hu, Mary E. Jung, **Jinlei Nie**, Zhaowei Kong	Affective and enjoyment responses to sprint interval training in healthy individuals: A systematic review and meta-analysis	*Frontiers in Psychology*, 2022(13): article no. 820228 - Also listed in SSCI
Weng Marc Lim, **Wai-Ming To**	The economic impact of a global pandemic on the tourism economy: The case of COVID-19 and Macao's destination- and gambling-dependent economy	*Current Issues in Tourism*, 2022, 25(8): 1258-1269 - Also listed in SSCI

Wai Ming To, K.H. Lam	Green project management from employees' perspective in Hong Kong's engineering and construction sectors	*Engineering, Construction and Architectural Management*, 2022, 29(4): 1890-1907
		- Also listed in SSCI, SCIE, EI
John Corbett, **Li Li**	Polysemy, synonymy, and metaphor: The use of the *Historical Thesaurus of English* in translation studies	*Digital Scholarship in the Humanities*, 2021, 36(4): 827-839
		- Also listed in SSCI, AHCI
Tian Lin, Jiale Hu, Lifeng Zhang, Xiuqun Qin, Xuelian Liu, Yutao Lan, Ken Chen, Tianhui You	Promoting enteral tube feeding safety and performance in preterm infants: A systematic review	*International Journal of Nursing Studies*, 2022(128): article no. 104188
		- Also listed in SSCI, SCIE
Xiumei Xu, Chao Feng, Yongshan Du, Qimeng Wang, Gaige Zhang, Yicheng Huang	Evaluating the sustainability of a tourism system based on emergy accounting and emergetic ternary diagrams: A case study of the Xinjiang Kanas tourism area	*Environment, Development and Sustainability*, 2022, 24(5): 6731-6787
		- Also listed in SCIE
Zi-yu Lin	Going to understand 柴? Evidence and significance of metonymic chains in Chinese/English translation	Edited by Vincent X. Wang, Lily Lim, Defeng Li: *New Perspectives on Corpus Translation Studies*, Singapore: Springer, 2021: 227-257
Mei Hua Kerry Hsu, **Qian Hong Ye**, Man Ho Ling	Career preferences among nursing students: A cross-sessional study	*SAGE Open Nursing*, 2022(8): 1-11, doi: 10.1177/23779608221094538
Changbin Wang	Regulating Macao's casino gaming: Two decades of development and prospects	*Asian Education and Development Studies*, 2022, 11(2): 287-297
Yuxuan Li, Chengzhu Liao, **Zijian Hu**, Yifan Wu	Investment value analysis of biomedical listed companies based on income discount model for GSK	2022 13th International Conference on E-Education, E-Business, E-Management, and E-Learning (IC4E 2022), ACM, Virtual, Online, Japan, 2022: 515-520
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Zhongxiang Sun, Dingcheng Yang, Lin Xiao, **Laurie Cuthbert**, Fahui Wu, Yutao Zhu	Joint energy and trajectory optimization for UAV-enabled relaying network with multi-pair users	*IEEE Transactions on Cognitive Communications and Networking*, 2021, 7(3): 939-954
		- Also listed in SCIE, EI
Xue Jiang, Yuan Xu, **Wei Ke**, Yang Zhang, Qun-Xiong Zhu, Yan-Lin He	An imbalanced multifault diagnosis method based on bias weights AdaBoost	*IEEE Transactions on Instrumentation and Measurement*, 2021(71): article no. 3505908
		- Also listed in SCIE, EI
Mingfeng Jiang, Bin Yan, Yang Li, Jucheng Zhang, Tieqiang Li, **Wei Ke**	Image classification of Alzheimer's disease based on external-attention mechanism and fully convolutional network	*Brain Sciences*, 2022, 12(3): article no. 319
		- Also listed in SCIE
Joe Sawada, Aaron Williams, **Dennis Wong**	Inside the binary reflected gray code: Flip-swap languages in 2-Gray code order	Combinatorics on Words - 13th International Conference (WORDS 2021), Springer, Virtual, Online, *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 2021(12847): 172-184
		- Also listed in EI
Mingmei Lyu, Benjamin K. Ng, Chan-Tong Lam	A practice of combining game and exercise using virtual reality	*Proceedings of 2021 3rd International Conference on Video, Signal and Image Processing (VSIP 2021)*, ACM, Virtual, Online, China, 2021: 124-130
		- Also listed in EI
Ka-Hou Chan, Sio-Kei Im	Using double bit range estimation for CABAC in VVC	*Proceedings of the 2022 5th International Conference on Image and Graphics Processing (ICIGP 2022)*, ACM, Virtual, Online, China, 2021: 79-83
		- Also listed in EI
Wei Ke, Ka-Hou Chan	A subtyping scheme for nominal and structural types based on class graph equivalence	2021 4th International Conference on Blockchain Technology and Applications (ICBTA 2021), ACM, Virtual, Online, China, 2021: 151-157
		- Also listed in EI

Authors	Title	Publication
Ka-Hou Chan, Sio-Kei Im	Data stream classification by using stacked CARU networks	*Proceedings - 2022 IEEE International Conference on Big Data and Smart Computing (BigComp 2022)*, IEEE, Daegu, Republic of Korea, 2022: 385-390 - Also listed in EI
Ka-Hou Chan, Sio-Kei Im	Sentiment analysis by using Naïve-Bayes classifier with stacked CARU	*Electronics Letters*, 2022, 58(10): 411-413 - Also listed in SCIE, EI
Venessa Chan Lyu, Wynne Chin, **Hongfeng Zhang**, Vincent Liu	Value added or overload? A study of the countervailing effects of non-core features on mobile banking apps	*Journal of Consumer Behaviour*, 2022, 21(3): 602-613 - Also listed in SSCI
Lorenzo Monti, **Rita Tse**, **Su-Kit Tang**, Silvia Mirri, Giovanni Delnevo, Vittorio Maniezzo, Paola Salomoni	Edge-based transfer learning for classroom occupancy detection in a smart campus context	*Sensors*, 2022, 22(10): article no. 3692 - Also listed in SCIE, EI
Hongying Liu, Zhaofeng Guo, **Junqi Bao**, Ling Xie	Research on Trash Classification based on Artificial Intelligence and Sensor	*Proceedings - 2021 2nd International Conference on Intelligent Computing and Human-Computer Interaction (ICHCI 2021)*, IEEE, Shenyang, China, 2021: 274-279 - Also listed in EI
Baoxin Chen, **Kan Chen**, **Xi Wang**, Xu Wang	Research on data collection and catastrophe index using Grey Relational Analysis	*Proceedings of 2021 IEEE International Conference on Emergency Science and Information Technology (ICESIT 2021)*, IEEE, Chongqing, China, 2021: 903-905 - Also listed in EI
Jie Zhou, **Yuqi Sun**, Baoping Wang, Zheng Wang, Kun Li, Xujia Li	Machine propositional model research based on natural language processing	2022 IEEE International Conference on Electrical Engineering, Big Data and Algorithms (EEBDA 2022), IEEE, Changchun, China, 2022: 599-602 - Also listed in EI
Changli Cai, Tiankui Zhang, Zhewei Weng, Chunyan Feng, **Yapeng Wang**	A transformer architecture with adaptive attention for fine-grained visual classification	2021 7th International Conference on Computer and Communications (ICCC 2021), IEEE, Chengdu, China, 2021: 863-867 - Also listed in EI
Lili Han, Zhisheng (Edward) Wen	Translanguaging and decolonizing LPP: A case study of translingual practice in Macau	*Global Chinese*, 2022, 8(1): 21-43
Cui, Z., Tian, R., Huang, Z., Jin, Z., Li, L., Liu, J., Huang, Z., Xie, H., Liu, D., Mo, H., Zhou, R., **Lang, B.**, Meng, B., Weng, H., Hu, Z.	FrCas9 is a CRISPR/Cas9 system with high editing efficiency and fidelity	*Nature Communications*, 2022(13): article no. 1425 - Also listed in SCIE
Xiuquan Huang, Xi Wang, Baoxin Chen, Fanbo Li, Shaodan Su, Tao Zhang	Temporal trend and regional disparity of agricultural green total factor productivity in China: Data envelopment analysis with biennial environmental technology	*Discrete Dynamics in Nature and Society*, 2022: article no. 2219779 - Also listed in SCIE
Xiuquan Huang, Chao Feng, Jiahong Qin, **Xi Wang**, **Tao Zhang**	Measuring China's agricultural green total factor productivity and its drivers during 1998–2019	*Science of the Total Environment*, 2022(829): article no. 154477 - Also listed in SCIE, EI
Li Jia Gui, Lam Fat Iam, Wang Wan Li	The historical review and future outlook of public administration degree programs in Macao-based on the comparative analysis of three schools	The 3rd World Symposium on Software Engineering (WSSE 2021), ACM, Xiamen, China, 2021: 36-44 - Also listed in EI
Lu Wang, Chan Tong Lam, K. L. Eddie Law, Benjamin Ng, Wei Ke, Marcus Im	Real-time traffic monitoring and status detection with a multi-vehicle tracking system	The 5th EAI International Conference on Intelligent Transport Systems (INTSYS 2021), Springer, Virtual, Online, *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, 2022(426): 13-25 - Also listed in EI
Leonardo Silva, António Mendes, Anabela Gomes, Gabriel Fortes, **Chan Tong Lam**, **Calana Chan**	Exploring the association between self-regulation of learning and programming learning: A multinational Investigation	*Proceedings - 2021 IEEE Frontiers in Education Conference (FIE 2021)*, IEEE, Lincoln, NE, United States, 2021: 1-8, doi: 10.1109/FIE49875.2021.9637438 - Also listed in EI

Angus K. Y. Wong, Alan K.H. Yeung, **Ka-Cheng Choi**, **Philip Lei**, **Chan-Tong Lam**	Exact transient analysis on LRU cache startup for Internet of Things	*Proceedings of the 9th International Conference on Information Technology: IoT and Smart City (ICIT 2021)*, ACM, Virtual, Online, China, 2021: 310-315 - Also listed in EI
Zhaowei Kong, Haifeng Zhang, **Jinlei Nie**, Li Wen, **Qingde Shi**, **San Fan Ng**, Chuanye Huang, Keith George	Exercise training increases serum cardiac troponin T independent of left ventricular mass	*International Journal of Sports Medicine*, 2022, 43(6): 505-511 - Also listed in SCIE
Zhaowei Kong, Qian Yu, Shengyan Sun, On Kei Lei, Yu Tian, **Qingde Shi**, **Jinlei Nie**, Martin Burtscher	The impact of sprint interval exercise in acute severe hypoxia on executive function	*High Altitude Medicine & Biology*, 2022, 23(2): 135–145 - Also listed in SCIE
Hongfeng Zhang, Ke Li, Johnny F. I. Lam	A phenomenological study of online assessment perceptions of Macao higher learning institutions during the COVID-19 pandemic: Dual perspectives of students and instructors	2022 3rd International Conference on Education Development and Studies (ICEDS 2022), ACM, Virtual, Online, United States, 2022: 76-82 - Also listed in EI
Hongfeng Zhang, **Shaodan Su**, Yumeng Zeng, **Johnny F. I. Lam**	An experimental study on the effectiveness of students' learning in scientific courses through constructive alignment — A case study from an MIS course	*Education Sciences*, 2022, 12(5): article no. 338
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Ka-Hou Chan, **Sio-Kei Im**, Giovanni Pau	Applying and optimizing NLP model with CARU	8th International Conference on Advanced Computing and Communication Systems (ICACCS 2022), IEEE, Coimbatore, India, 2022: 1018-1022 - Also listed in EI

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Yu Lan, Lei Li, Li-Ting Zhang, **Yao Jin**, Li-Xin Xia, Gui-Fang Huang, Wangyu Hu, Wei-QingHuang	Ti2CO2/Ti2CF2 van der Waals heterostructure with robust Schottky barriers under electric fields	*Applied Surface Science*, 2022(602): article no. 154313 - Also listed in SCIE, EI
Yang Shen	Evaluation and selection of cultural and creative design solutions based on grey correlation multicriteria decision analysis	*Mathematical Problems in Engineering*, 2022(2022): article no. 1755728 - Also listed in SCIE, EI
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Lily Lim	A corpus-based examination of the translation of the suffix -ism into Chinese	Vincent X. Wang, Lily Lim, Defeng Li (Eds.), *New Perspectives on Corpus Translation Studies*, Singapore: Springer, 2021: 29-55
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Yau Kong Yung	Investigating the enhancement of student engagement through extracurricular activities: A four-year longitudinal study	2022 10th International Conference on Information and Education Technology (ICIET 2022), IEEE, Matsue, Japan, 2022: 257-262 - Also listed in EI
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Shaodan Su, **Shenghua Lou**, **Hongfeng Zhang**, Junqu Yu	A grounded theoretical research on the perception of college students' online learning under the background of cultural differences	8th International Conference on Education and Training Technologies (ICETT 2022), ACM, Macao, China, 2022: 22-27 - Also listed in EI
Haoqun Yan, **Hongfeng Zhang**, **Johnny F. I. Lam**	An empirical study on the correlation between college students' self-management ability and online learning effectiveness - A comparison based on mainland China and Macao	2022 8th International Conference on Education and Training Technologies (ICETT 2022), ACM, Macao, China, 2022: 48–54 - Also listed in EI
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Michael Bosello, Rita Tse, Giovanni Pau	Train in Austria, race in Montecarlo: Generalized RL for cross-track F1[tenth] LIDAR-based races	2022 IEEE 19th Annual Consumer Communications & Networking Conference (CCNC 2022), IEEE, Virtual, Online, United States, 2022: 290-298
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Yuan Xu, Xiaoqian Cheng, **Wei Ke**, Qun-Xiong Zhu, Yan-Lin He, Yang Zhang	SMOTE-based fault diagnosis method for unbalanced samples	*Proceedings of 2022 IEEE 11th Data Driven Control and Learning Systems Conference*, IEEE, Emeishan, China, 2022: 682-686 - Also listed in EI
Yuan Xu, Zixu Wang, **Wei Ke**, Yan-Lin He, Qun-Xiong Zhu, Yang Zhang	A fault diagnosis approach integrated LPP with AROMF for process industry	*Proceedings of 2022 IEEE 11th Data Driven Control and Learning Systems Conference*, IEEE, Emeishan, China, 2022: 734-739 - Also listed in EI
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YANG Zhenjie, LI Yunxin, **LAM Fat Iam**	How can digital technology empower regional cooperation in science, technology and innovation? - A new institutional framework	*Conference Proceedings of the 10th International Symposium on Project Management (ISPM 2022)*, Aussino Academic Publishing House, Beijing, China, 2022: 1256-1264 - Also listed in EI
Yang Liu, **Hao Sheng**, Shuai Wang, Yubin Wu, Zhang Xiong	Feature-level camera style transfer for person re-identification	*Applied Sciences*, 2022, 12(14): article no. 7286 IFR: Top 35.43% in Engineering, Multidisciplinary; 40.18% in Chemistry, Multidisciplinary; 47.20% in Physics, Applied - Also listed in SCIE
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Xiumei Xu, Yilan Tan, Chao Feng	Knowledge structure of emergy theory in the field of eco-compensation research: A grounded theory approach	*Natural Resources Forum*, 2022, 46(3): 351-373 - Also listed in SSCI, SCIE
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註：以粗體標示之作者為澳理大教職員或學生；IFR代表影響力因子排行。

Remarks: Authors highlighted in bold characters are from MPU; IFR stands for impact factor ranking.

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作者 Author(s)	標題 Title	期刊 Journal
Kei Long Wong, Michael Bosello, **Rita Tse**, Carlo Falcomer, Claudio Rossi, Giovanni Pau	Li-Ion batteries state-of-charge estimation using deep LSTM at various battery specifications and discharge cycles	*Proceedings of the 2021 Conference on Information Technology for Social Good (GoodIT 2021)*, ACM, Rome, Italy, 2021: 85-90 - Also listed in Scopus
Siyou Liu, Yuqi Sun, Longyue Wang	Recent advances in dialogue machine translation	*Information*, 2021, 12(11): article no. 484 - Also listed in Scopus
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Chiara Ceccarini, **Ka Kei Chan**, **Lei Lok I**, **Rita Tse**, **Su-Kit Tang**, Catia Prandi	Fostering user's awareness about indoor air quality through an IoT-enabled home garden system	*Proceedings - 30th International Conference on Computer Communications and Networks (ICCCN 2021)*, IEEE, Virtual, Athens, Greece, 2021: 1-4, doi: 10.1109/ICCCN52240.2021.9522313 - Also listed in Scopus
Su Shaodan, **Zhang Hongfeng**, Lv Huan	The research on the social participation in higher education governance in Macao	2021 5th International Conference on Digital Technology in Education (ICDTE 2021), ACM, Virtual, Busan, Republic of Korea, 2021: 156-162 - Also listed in Scopus
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註：以粗體標示之作者為澳理大教職員或學生；IFR代表影響力因子排行。

Remarks: Authors highlighted in bold characters are from MPU; IFR stands for impact factor ranking.