

## 2023年深圳市第三届优秀科技学术论文遴选结果

序号	领域	获奖论文题目	获奖论文题目 (中文参考翻译)	全部作者姓名 (*为通讯作者, #为共第一作者)	作者单位 (深圳)	发表期刊或会议名称
1	计算机	Adversarial Examples Generation for Deep Product Quantization Networks on Image Retrieval	基于图像检索的深积量化网络对抗性示例生成	Bin Chen (陈斌), Yan Feng (冯岩), Tao Dai (戴涛)*, Jiawang Bai, Yong Jiang, Shu-Tao Xia (夏树涛)*, Xuan Wang	哈尔滨工业大学 (深圳)	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE
2	计算机	A Survey of Multi-Task Learning	多任务学习研究综述	Yu Zhang (张宇)*, Qiang Yang (杨强)	南方科技大学	IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING
3	计算机	UniFormer: Unifying Convolution and Self-Attention for Visual Recognition	UniFormer:视觉识别中卷积与自我注意的统一	Kunchang Li (黎昆昌)#, Yali Wang (王亚立)#, Junhao Zhang (张钧皓), Peng Gao (高鹏), Guanglu Song (宋广录), Yu Liu (刘宇), Hongsheng Li (李鸿升), Yu Qiao (乔宇)*	中国科学院深圳先进技术研究院	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE
4	计算机	URetinex-Net: Retinex-based Deep Unfolding Network for Low-light Image Enhancement	URetinex网络: 基于Retinex的微光图像深度展开网络	Wenhui Wu (邬文慧), Jian Weng (翁键), Pingping Zhang (张乒乓), Xu Wang (王旭)*, Wenhan Yang (杨文翰), Jianmin Jiang (江健民)	深圳大学	2022 IEEE/CVF CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION (CVPR)
5	计算机	Adam Can Converge Without Any Modification On Update Rules	Adam可以在不修改更新规则的情况下收敛	Yushun Zhang (张雨舜), Congliang Chen (陈淙靓), Naichen Shi (石乃琛), Ruoyu Sun (孙若愚)*, Zhi-Quan Luo (罗智泉)	香港中文大学 (深圳) /深圳市大数据研究院	36TH CONFERENCE ON NEURAL INFORMATION PROCESSING SYSTEMS (NEURIPS 2022)
6	计算机	Parameter-efficient fine-tuning of large-scale pre-trained language models	大规模预训练语言模型的参数有效微调	Ning Ding (丁宁)#, Yujia Qin (秦禹嘉)#, Guang Yang (杨光), Fuchao Wei (韦福超), Zonghan Yang (杨宗翰), Yusheng Su (苏裕胜), Shengding Hu (胡声鼎), Yulin Chen (陈雨琳), Chi-Min Chan (詹棋闵), Weize Chen (陈纬泽), Jing Yi (易婧), Weilin Zhao (赵威霖), Xiaozhi Wang (王晓智), Zhiyuan Liu (刘知远)*, Hai-Tao Zheng (郑海涛)*, Jianfei Chen (陈键飞), Yang Liu (刘洋), Jie Tang (唐杰), Juanzi Li (李涓子), Maosong Sun (孙茂松)*	清华大学深圳国际研究生院	NATURE MACHINE INTELLIGENCE
7	计算机	Are Transformers Effective for Time Series Forecasting?	变压器对时间序列预测有效吗?	Ailing Zeng (曾爱玲)#*, Muxi Chen (陈沐希)#, Lei Zhang (张磊), Qiang Xu (徐强)*	香港中文大学/粤港澳大湾区数字经济研究院	THE THIRTY-SEVENTH AAAI CONFERENCE ON ARTIFICIAL INTELLIGENCE (AAAI-23)

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8	计算机	No More Fine-Tuning? An Experimental Evaluation of Prompt Tuning in Code Intelligence	不再微调? 代码智能中即时调优的实验评价	Chaozheng Wang (王朝正), Yuanhang Yang (杨远航), Cuiyun Gao (高翠芸)*, Yun Peng (彭昀), Hongyu Zhang (张洪宇), Michael R Lyu	哈尔滨工业大学 (深圳)	30TH ACM JOINT EUROPEAN SOFTWARE ENGINEERING CONFERENCE AND SYMPOSIUM ON THE FOUNDATIONS OF SOFTWARE ENGINEERING (ESEC/FSE' 22)
9	计算机	QoS-Aware Hybrid Beamforming and DOA Estimation in Multi-Carrier Dual-Function Radar-Communication Systems	多载波雷达通信一体化系统中考虑服务质量的混合波束赋形设计及波达方向估计	Ziyang Cheng (程子扬), Bin Liao (廖斌)*	深圳大学	IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS
10	计算机	Code Structure-Guided Transformer for Source Code Summarization	代码结构-源代码摘要的引导转换器	Shuzheng Gao (高树政)*, Cuiyun Gao (高翠芸)*, Yulan He, Jichuan Zeng (曾纪川), Lunyiu Nie, Xin Xia (夏鑫), Michael Lyu	哈尔滨工业大学 (深圳)	ACM TRANSACTIONS ON SOFTWARE ENGINEERING AND METHODOLOGY
11	计算机	Content-Aware Scalable Deep Compressed Sensing	内容感知的可扩展深度压缩感知	Bin Chen (陈斌), Jian Zhang (张健)*	北京大学深圳研究生院	IEEE TRANSACTIONS ON IMAGE PROCESSING
12	计算机	A Triple-Step Asynchronous Federated Learning Mechanism for Client Activation, Interaction Optimization, and Aggregation Enhancement	一种用于客户端激活、交互优化和聚合增强的三步异步联合学习机制	Linlin You (由林麟), Sheng Liu (刘晟), Yi Chang (常毅), Chau Yuen*	中山大学·深圳	IEEE INTERNET OF THINGS JOURNAL
13	计算机	Deep Motion Prior for Weakly-Supervised Temporal Action Localization	弱监督时间作用定位的深度运动先验	Meng Cao (曹蒙), Can Zhang (张燊), Long Chen (陈隆), Mike Zheng Shou (寿政), Yuexian Zou (邹月娴)*	北京大学深圳研究生院	IEEE TRANSACTIONS ON IMAGE PROCESSING
14	计算机	ACE: Anchor-Free Corner Evolution for Real-Time Arbitrarily-Oriented Object Detection	锚框无关角点演化的实时多方向物体检测	Pengwen Dai (代朋纹), Siyuan Yao (姚思远), Zekun Li (李泽坤), Sanyi Zhang (张三义), Xiaochun Cao (操晓春)*	中山大学·深圳/中国科学院信息工程研究所	IEEE TRANSACTIONS ON IMAGE PROCESSING
15	计算机	Multi Task Mutual Learning for Joint Sentiment Classification and Topic Detection	基于多任务互学习的联合情感分类和主题检测	Lin Gui (桂林), Jia Leng (冷佳), Jiyun Zhou, Ruifeng Xu (徐睿峰)*, Yulan He*	哈尔滨工业大学 (深圳)	IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING

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16	计算机	Global Tracking via Ensemble of Local Trackers	基于局部跟踪器集成的全局跟踪	Zikun Zhou (周子坤)#, Jianqiu Chen (陈建秋)#, Wenjie Pei (裴文杰)*, Kaige Mao (毛凯歌), Hongpeng Wang (王鸿鹏), Zhenyu He (何震宇)*	哈尔滨工业大学 (深圳)	2022 IEEE/CVF CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION (CVPR)
17	计算机	Few-shot Aspect Category Sentiment Analysis via Meta-learning	基于元学习的少镜头体类情感分析	Bin Liang (梁斌), Xiang Li (李想), Lin Gui (桂林), Yonghao Fu (傅勇昊), Yulan He (何瑜岚), Min Yang (杨敏)*, Ruifeng Xu (徐睿峰)*	哈尔滨工业大学 (深圳)	ACM TRANSACTIONS ON INFORMATION SYSTEMS
18	计算机	Neural Texture Extraction and Distribution for Controllable Person Image Synthesis	用于可控人物图像合成的神经纹理提取和分布	Yurui Ren (任俞睿), Xiaoqing Fan (范小晴), Ge Li (李革)*, Shan Liu (刘珊), Thomas H. Li (李宏)	北京大学深圳研究生院	2022 IEEE/CVF CONFERENCE ON COMPUTER VISION AND PATTERN RECOGNITION (CVPR)
19	计算机	Subspace Learning for Effective Meta-Learning	有效元学习的子空间学习	Weisen Jiang (江伟森), James T. Kwok, Yu Zhang (张宇)*	南方科技大学/ 鹏城实验室	39TH INTERNATIONAL CONFERENCE ON MACHINE LEARNING
20	计算机	WebUAV-3M: A Benchmark for Unveiling the Power of Million-Scale Deep UAV Tracking	WebUAV-3M: 揭示百万级深度无人机物体跟踪能力的新基准	Chunhui Zhang (张春辉), Guanjie Huang (黄冠杰), Li Liu (刘李)*, Shan Huang (黄珊), Yinan Yang (杨艺楠), Xiang Wan (万翔), Shiming Ge (葛仕明), Dacheng Tao (陶大程)	香港中文大学 (深圳) /深圳市 大数据研究院	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE
21	计算机	Prototype Completion for Few-Shot Learning	基于原型补全的小样本学习方法	Baoquan Zhang (张保权), Xutao Li (李旭涛)*, Yunming Ye (叶允明)*, Shanshan Feng (冯山山)	哈尔滨工业大学 (深圳)	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE
22	计算机	TransCL: Transformer Makes Strong and Flexible Compressive Learning	TransCL:Transformer 打造强大灵活的压缩学习	Chong Mou (牟冲), Jian Zhang (张健)*	北京大学深圳研究生院	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE
23	计算机	A Procedure to Continuously Evaluate Predictive Performance of Just-In-Time Software Defect Prediction Models During Software Development	软件开发过程中持续评估即时软件缺陷预测模型预测性能的方法	Liyang Song (宋丽妍), Leandro L. Minku*	南方科技大学	IEEE TRANSACTIONS ON SOFTWARE ENGINEERING

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24	计算机	AVoID-DF: Audio-Visual Joint Learning for Detecting Deepfake	AVoID-DF: 基于视听联合学习的多模态深度伪造检测方法	Wenyuan Yang (杨文元), Xiaoyu Zhou (周啸宇), Zhikai Chen (陈志凯), Bofei Guo (郭博菲), Zhongjie Ba (巴钟杰), Zhihua Xia (夏志华)*, Xiaochun Cao (操晓春), Kui Ren (任奎)	中山大学·深圳	IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY
25	计算机	Nonredundancy regularization based nonnegative matrix factorization with manifold learning for multiview data representation	基于流形学习和冗余抑制正则的非负矩阵分解多视图数据表征	Guosheng Cui (崔国盛), Ye Li (李焜)*	中国科学院深圳先进技术研究院	INFORMATION FUSION
26	计算机	Learning Sequence Representations by Non-local Recurrent Neural Memory	基于非局部循环神经网络记忆模型的时序表征学习	Wenjie Pei (裴文杰)#, Xin Feng (冯鑫)#, Canmiao Fu (付灿苗), Qiong Cao (曹琼), Guangming Lu (卢光明)*, Yu-Wing Tai (戴宇荣)	哈尔滨工业大学(深圳)	INTERNATIONAL JOURNAL OF COMPUTER VISION
27	计算机	A Thorough Benchmark and a New Model for Light Field Saliency Detection	光场显著性检测的综合基准和新模型	Wei Gao (高伟)*, Songlin Fan (范松林), Ge Li (李革), Weisi Lin (林维斯)	北京大学深圳研究生院	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE
28	计算机	You Only Train Once: Learning General and Distinctive 3D Local Descriptors	只需训练一次: 学习通用和独特的3D局部描述符	Sheng Ao (敖晟), Yulan Guo (郭裕兰)*, Qingyong Hu (胡庆拥), Bo Yang, Andrew Markham, Zengping Chen	中山大学·深圳	IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE
29	计算机	Diffsound: Discrete Diffusion Model for Text-to-Sound Generation	基于离散概率扩散模型的文本到音效生成	Dongchao Yang (杨东超), Jianwei Yu (余剑威)*, Helin Wang (王赫麟), WenWang (王雯), Chao Weng (翁超), Yuexian Zou (邹月娴)*, Dong Yu (俞栋)	北京大学深圳研究生院	IEEE/ACM TRANSACTIONS ON AUDIO SPEECH AND LANGUAGE PROCESSING
30	计算机	Distributionally robust equilibrious hybrid vehicle routing problem under twofold uncertainty	双重不确定性下的分布式鲁棒均衡混合动力车辆路径问题	Fanghao Yin (殷方浩), Yi Zhao (赵毅)*	哈尔滨工业大学(深圳)	INFORMATION SCIENCES
31	计算机	A Hybrid Attention-Based Deep Neural Network for Simultaneous Multi-Sensor Pruning and Human Activity Recognition	基于混合注意的深度神经网络多传感器剪枝与人体行为识别	Yu Zhou (周宇), Zhuodi Yang (杨焯迪), Xiao Zhang (张潇)*, Yufan Wang (王宇帆)	深圳大学	IEEE INTERNET OF THINGS JOURNAL
32	计算机	Quadruped Capturability and Push Recovery via a Switched-Systems Characterization of Dynamic Balance	基于切换系统的四足动物捕获和推送恢复动态平衡特性	Hua Chen (谌骅), Zejun Hong (洪泽浚), Shunpeng Yang (杨顺鹏), Patrick Wensing, Wei Zhang (张巍)*	南方科技大学	IEEE TRANSACTIONS ON ROBOTICS
33	计算机	CLRNet: A Cross Locality Relation Network for Crowd Counting in Videos	CLRNet:一种用于视频人群统计的跨区域关系网络	董丽 (Li Dong), 张海军 (Haijun Zhang)*, 马江虹 (Jianghong Ma), 徐晓飞 (Xiaofei Xu), 杨易旻 (Yimin Yang), 武庆明 (Q. M. Jonathan Wu)	哈尔滨工业大学(深圳)	IEEE TRANSACTIONS ON NEURAL NETWORKS AND LEARNING SYSTEMS

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34	计算机	ALVLS: Adaptive local variances-Based levelset framework for medical images segmentation	基于自适应局部方差的医学图像分割水平集框架	Xiu Shu (舒秀), Yunyun Yang (杨云云)*, Jun Liu (刘俊), Xiaojun Chang (常晓军), Boying Wu (吴勃英)	哈尔滨工业大学 (深圳)	PATTERN RECOGNITION
35	计算机	Mitigating Unfairness via Evolutionary Multiobjective Ensemble Learning	一种基于多目标演化集成学习提升模型公平性的方法	Qingquan Zhang (张清泉), Jialin Liu (刘佳琳)*, Zeqi Zhang (张泽琦), Junyi Wen (文钧屹), Bifei Mao (毛碧飞), Xin Yao (姚新)	南方科技大学	IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION
36	计算机	Visual-Tactile Fusion for Transparent Object Grasping in Complex Backgrounds	基于视触融合的透明物体抓取研究	Shoujie Li (李寿杰)#, Haixin Yu (于海鑫)#, Wenbo Ding (丁文伯)*, Houde Liu (刘厚德)*, Lingqi Ye (叶林奇), Chongkun Xia (夏崇坤), Xueqian Wang (王学谦), Xiao-Ping Zhang (张晓平)	清华大学深圳国际研究生院	IEEE TRANSACTIONS ON ROBOTICS
37	计算机	What kind of food can win Gen Z's favor? A mixed methods study from China	什么样的食物能赢得Z世代的青睐? 来自中国的混合方法研究	Yifan Zuo (左逸帆), Ke Zhang (张可), Shaogui Xu (徐少葵), Rob Law, Qihang Qiu (丘启航), Mu Zhang (章牧)*	深圳大学	FOOD QUALITY AND PREFERENCE
38	计算机	Influence by osmosis: Social media green communities and pro-environmental behavior	渗透影响: 社交媒体绿色社区和环保行为	Jie Shen (沈捷), Hanyuan Liang (梁瀚元), Abaid Ullah Zafar*, Mohsin Shahzad, Umair Akram, Muhammad Ashfaq	深圳大学	COMPUTERS IN HUMAN BEHAVIOR
39	材料	Integrated 3D printing of flexible electroluminescent devices and soft robots	柔性电致发光器件和软机器人的集成3D打印	Pei Zhang (张培), Iek Man Lei (李奕雯), Guangda Chen (陈广大), Jingsen Lin (林景森), Xingmei Chen (陈兴梅), Jiajun Zhang (张加俊), Chengcheng Cai (蔡诚诚), Xiangyu Liang (梁翔禹), Ji Liu (刘吉)*	南方科技大学	NATURE COMMUNICATIONS
40	材料	Hydrogel Bioadhesives with Extreme Acid-Tolerance for Gastric Perforation Repairing	抗溶胀水凝胶粘合剂用于极端酸性条件下胃穿孔的无线缝合与修复	Xingmei Chen (陈兴梅), Jun Zhang (张俊), Guangda Chen (陈广大), Yu Xue (薛羽), Jiajun Zhang (张加俊), Xiangyu Liang (梁翔禹), Iek Man Lei (李奕雯), Jingsen Lin (林景森), Ben Bin Xu (徐斌), Ji Liu (刘吉)*	南方科技大学	ADVANCED FUNCTIONAL MATERIALS
41	材料	An artificial remote tactile device with 3D depth-of-field sensation	一种具备三维景深感知的遥触觉器件	Shanshan Zhu (朱珊珊), Yuanheng Li (李沅衡), Huoerhute Yelemulati (霍尔虎特·叶勒木拉提), Xinping Deng (邓新平), Yongcheng Li (李永程), Jingjing Wang (王婧婧), Xiaojian Li (李骁健), Guanglin Li (李光林)*, Paschalis Gkoupidenis*, Yanlong Tai (邝艳龙)*	中国科学院深圳先进技术研究院	SCIENCE ADVANCES
42	材料	Dynamic Assembly of Viscoelastic Networks by Aqueous Liquid-Liquid Phase Separation and Liquid-Solid Phase Separation (AqLL-LS PS <sup>2</sup> )	基于液-液/液-固相分离 (AqLL-LS PS <sup>2</sup> ) 的粘弹性网络动态组装	Huanqing Cui (崔欢庆), Yage Zhang (张雅各), Yanan Shen (沈一楠), Shiwei Zhu (朱时裴), Jingxuan Tian (田敬璇), Qingchuan Li (李庆川), Yi Shen (沈怡), Sihan Liu (刘思涵), Yang Cao (曹杨), Ho Cheung Shum (岑浩璋)*	香港大学深圳研究院	ADVANCED MATERIALS
43	材料	Lactate-Oxidase-Instructed Cancer Diagnosis and Therapy	乳酸氧化酶介导的癌症诊断和治疗	Shanshan Jiang (江珊珊), Xin Chen (陈欣), Jing Lin (林静), Peng Huang (黄鹏)*	深圳大学	ADVANCED MATERIALS
44	材料	Correlated States in Strained Twisted Bilayer Graphenes Away from the Magic Angle	应力作用下非魔角双层石墨烯中的关联电子态	Le Zhang (章乐), Ying Wang (王莹), Rendong Hu (胡任东), Puhua Wan (万普华), Oleksandr Zheliuk, Minpeng Liang (梁敏鹏), Xiaoli Peng (彭晓丽), Yu-Jia Zeng (曾昱嘉)*, Jianting Ye (叶剑挺)*	深圳大学	NANO LETTERS

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45	材料	Multifunctional MXene-Bonded Transport Network Embedded in Polymer Electrolyte Enables High-Rate and Stable Solid-State Zinc Metal Batteries	嵌入聚合物电解质中的多功能MXene键合传输网络实现高速稳定的固态锌金属电池	Juan Feng (冯娟), Dingtao Ma (马定涛)*, Kefeng Ouyang (欧阳珂丰), Ming Yang (杨明), Yanyi Wang (王艳宜), Jimin Qiu (邱继民), Tingting Chen (陈婷婷), Jinlai Zhao (赵劲来), Bo Yong (雍波), Yangsu Xie (谢杨苏), Hongwei Mi (米宏伟), Lingna Sun (孙玲娜), Chuanxin He (何传新), Peixin Zhang (张培新)*	深圳大学	ADVANCED FUNCTIONAL MATERIALS
46	材料	A combined ionic Lewis acid descriptor and machine-learning approach to prediction of efficient oxygen reduction electrodes for ceramic fuel cells	结合离子Lewis酸描述符与机器学习方法预测陶瓷燃料电池高效氧还原电极	Shuo Zhai (翟朔), Heping Xie (谢和平)*, Peng Cui (崔鹏), Daqin Guan, Jian Wang, Siyuan Zhao, Bin Chen, Yufei Song, Zongping Shao*, Meng Ni*	深圳大学	NATURE ENERGY
47	材料	Enzyme-Engineered Conjugated Polymer Nanoplatfrom for Activatable Companion Diagnostics and Multistage Augmented Synergistic Therapy	用于可激活伴侣诊断和多阶段增强协同治疗的酶工程共轭聚合物纳米平台	Jiayingzi Wu (吴佳英子), Yafei Zhang (张亚飞), Kejia Jiang (姜珂佳), Xiaoyu Wang (汪晓雨), Nicholas Thomas Blum, Jing Zhang (张景), Shanshan Jiang (江珊珊), Jing Lin (林静), Peng Huang (黄鹏)*	深圳大学	ADVANCED MATERIALS
48	材料	Materials for Dry Electrodes for the Electroencephalography: Advances, Challenges, Perspectives	脑电图干电极材料: 进展、挑战和展望	Liangtao Yang (杨良滔)*, Qing Liu (刘青), Zhilin Zhang (张志林), Lu Gan (甘鹭), Yi Zhang (张翊)*, Jinglong Wu (吴景龙)	中国科学院深圳先进技术研究院	ADVANCED MATERIALS TECHNOLOGIES
49	材料	Impact-Resistant Hydrogels by Harnessing 2D Hierarchical Structures	利用二维层次结构制备抗冲击水凝胶	Xiangyu Liang (梁翔禹), Guangda Chen (陈广大), Iek Man Lei (李奕雯), Pei Zhang (张培), Zeyu Wang (王泽昱), Xingmei Chen (陈兴梅), Mengze Lu (陆孟泽), Jiajun Zhang (张加俊), Zongbao Wang (王宗宝), Taolin Sun (孙桃林), Yang Lan (兰阳), Ji Liu (刘吉)*	南方科技大学/中国农业科学院深圳农业基因组研究所	ADVANCED MATERIALS
50	材料	Responsive Magnetic Nanocomposites for Intelligent Shape-Morphing Microrobots	智能形状变形微机器人用响应型磁性纳米复合材料	Yuan Liu (刘源), Gungun Lin*, Mariana Medina-Sánchez*, Maria Guix, Denys Makarov, Dayong Jin*	中国科学院深圳先进技术研究院	ACS NANO
51	材料	A Multifunctional Anti-Proton Electrolyte for High-Rate and Super-Stable Aqueous Zn-Vanadium Oxide Battery	高倍率超稳定水性氧化锌钒电池多功能反质子电解质	Yangwu Chen(陈洋武), Dingtao Ma*, Kefeng Ouyang, Ming Yang, Sicheng Shen, Yanyi Wang, Hongwei Mi, Lingna Sun, Chuanxin He, Peixin Zhang*	深圳大学	NANO-MICRO LETTERS
52	材料	Bilingual Bidirectional Stretchable Self-Healing Neuristors with Proprioception	具有本体感觉的双语双向可伸展自愈神经电阻	Rui Qiu (邱睿), Jiaxin Wang (王佳鑫), Qinqi Ren (任沁琦), Weihong Huang, Jiahao Zhu, Dexing Liu, Xinyu Gao, Wanting Wang, Qi Liu, Min Zhang (张敏)*	北京大学深圳研究生院	ACS NANO
53	材料	An Isomeric Solid Additive Enables High-Efficiency Polymer Solar Cells Developed Using a Benzo-Difuran-Based Donor Polymer	一种异构固体添加剂使使用苯并呋喃基供体聚合物开发的高效聚合物太阳能电池成为可能	Lu Chen (陈露)#, Jicheng Yi (易际埕)#, Ruijie Ma (马睿杰)#*, Lu Ding (丁璐), Top Archie Dela Peña, Heng Liu (刘恒), Jian Chen (陈剑), Cuifen Zhang (张翠芬), Chaoyue Zhao (赵超越), Wen Lu (吕雯), Qi Wei (魏琪), Bin Zhao (赵斌), Huawei Hu (胡华伟), Jiaying Wu (吴佳莹), Zaifei Ma (马在飞), Xinhui Lu (路新慧), Mingjie Li (李明杰), Guangye Zhang (张光烨)*, Gang Li (李刚)*, He Yan (颜河)*	深圳技术大学	ADVANCED MATERIALS

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54	材料	Combined Optical, Gravimetric, and Electrical Operando Investigation of Structural Variations in Polymeric Mixed Conductors	聚合物混合导体结构变化的光学、重量和电学联合操作研究	Yu Zhang(张瑀), Bryan D. Paulsen, Emily A. Schafer, Qiming Zeng(曾启明), Fei Yu(余菲), Li Yang(杨黎), Yan Xue(薛炎), Jonathan Rivnay*, Ni Zhao(赵钺)*	深圳职业技术大学	ADVANCED FUNCTIONAL MATERIALS
55	材料	Bottom-Up Synthesis of Co <sub>x</sub> Sn <sub>1-x</sub> S Nanosheets: A Ferromagnetic and Photoconductive Semiconductor	自下而上合成 Co <sub>x</sub> Sn <sub>1-x</sub> S 纳米片: 一种光电响应性的铁磁半导体	Su-Yun Zhang(张素允), Zhimin Mao(毛志敏), Duo Zhao(赵铎), Chunmei Wang(王春梅), Wei Tang(唐伟), Yifei Xie(谢艺菲), Chenxu Kang(康晨旭), Huawei Liang(梁华伟), Haoliang Liu(刘郝亮), Yu-Jia Zeng(曾昱嘉)*	深圳大学	ADVANCED FUNCTIONAL MATERIALS
56	自然科学	Record-high CO <sub>2</sub> emissions from boreal fires in 2021	2021年北方大火二氧化碳排放量创历史新高	Bo Zheng (郑博)*, Philippe Ciais, Frederic Chevallier, Hui Yang, Josep G. Canadell, Yang Chen, Ivar R. van der Velde, Ilse Aben, Emilio Chuvieco, Steven J. Davis, Merritt Deeter, Chaopeng Hong (洪朝鹏), Yawen Kong (孔亚文), Haiyan Li (李海雁), Hui Li (李慧), Xin Lin, Kebin He (贺克斌), Qiang Zhang (张强)*	清华大学深圳国际研究生院	SCIENCE
57	自然科学	Higher than predicted resting energy expenditure and lower physical activity in healthy underweight Chinese adults	中国健康体重不足成年人静息能量消耗高于预期, 体力活动低于预期	Sumei Hu (胡素梅)#, Xueying Zhang (张雪映)#, Marina Stamatiou, Catherine Hambly, Yumeng Huang, Jianfang Ma, Yiran Li, John R. Speakman*	中国科学院深圳先进技术研究院	CELL METABOLISM
58	自然科学	Neurologin-3 confines AMPA receptors into nanoclusters, thereby controlling synaptic strength at the calyx of Held synapses	神经胶质蛋白-3将 AMPA受体限制在纳米簇中, 从而控制 Held突触的突触强度	Ying Han (韩颖)#, Ran Cao (曹冉)#, Liming Qin (覃丽明), Lulu Y. Chen, Ai-Hui Tang (唐爱辉)*, Thomas C. Südhof*, Bo Zhang (张勃)**	北京大学深圳研究生院/深圳湾实验室	SCIENCE ADVANCES
59	自然科学	Supplementary motor area driving changes of structural brain network in blepharospasm	眼睑痉挛时补充运动区驱动的脑网络结构变化	Jinping Xu (徐锦萍)#, Yuhan Luo (罗瑜涵)#, Kangqiang Peng (彭康强)#, Yaomin Guo (郭耀敏), Linchang Zhong (钟林昌), Ying Liu (刘颖), Ai Weng (翁艾), Zilin Ou (欧紫琳), Zhicong Yan (严志聪), Ying Wang (王莹), Jinsheng Zeng (曾进胜), Weixi Zhang (张为西), Qingmao Hu (胡庆茂)*, Gang Liu (刘刚)*	中国科学院深圳先进技术研究院	BRAIN
60	自然科学	Unlocking the Interfacial Adsorption-Intercalation Pseudocapacitive Storage Limit to Enabling All-Climate, High Energy/Power Density and Durable Zn-Ion Batteries	解锁界面吸附-插层赝电容存储极限, 构建全天候高性能锌离子电池	Ming Yang (杨明), Yanyi Wang (王艳宜), Dingtao Ma (马定涛)*, Jianhui Zhu (朱建辉), Hongwei Mi (米宏伟), Zuotai Zhang (张作泰), Buke Wu (吴不可), Lin Zeng (曾林), Minfeng Chen (陈敏峰), Jizhang Chen (陈继章), Peixin Zhang (张培新)*	深圳大学	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION
61	自然科学	Spatial profiling of microbial communities by sequential FISH with error-robust encoding	空间微生物组成像—可容错编码的序贯荧光原位杂交	Zhaohui Cao (曹朝辉)#, Wenlong Zuo (左文龙)#, Lanxiang Wang (王兰香), Junyu Chen (陈俊宇), Zepeng Qu (曲泽鹏), Fan Jin (金帆), Lei Dai (戴磊)*	中国科学院深圳先进技术研究院	NATURE COMMUNICATIONS
62	自然科学	Discharge of treated Fukushima nuclear accident contaminated water: macroscopic and microscopic simulations	福岛核事故污染处理水的排放: 宏观和微观模拟	Yi Liu (刘毅), Xue-Qing Guo (郭雪卿), Sun-Wei Li (李孙伟), Jian-Min Zhang (张建民)*, Zhen-Zhong Hu (胡振中)*	清华大学深圳国际研究生院	NATIONAL SCIENCE REVIEW

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63	自然科学	Supramolecular Adhesive Hydrogels for Tissue Engineering Applications	用于组织工程应用的超分子粘合剂水凝胶	Yue Zhao (赵月), Shanliang Song (宋善良), Xiangzhong Ren (任祥忠)*, Junmin Zhang (张俊民)*, Quan Lin (林权)*, Yanli Zhao (赵彦利)*	深圳大学	CHEMICAL REVIEWS
64	自然科学	Photothermal Nanomaterials: A Powerful Light-to-Heat Converter	光热纳米材料:一种强大的光热转换器	Ximin Cui (崔熹旻)#, Qifeng Ruan (阮琦锋)#, Xiaolu Zhuo (卓晓璐)#, Xinyue Xia (夏新月), Jingtian Hu (胡警天), Runfang Fu (付润芳), Yang Li (李杨), Jianfang Wang (王建方)*, Hongxing Xu (徐红星)*	深圳大学 哈尔滨工业大学(深圳) 香港中文大学(深圳)	CHEMICAL REVIEWS
65	自然科学	The subthalamic corticotropin-releasing hormone neurons mediate adaptive REM-sleep responses to threat	丘脑旁核促肾上腺皮质激素释放激素神经元介导适应性的快速眼动睡眠对威胁响应	Yu-Ting Tseng (曾渝婷)#, Binghao Zhao (赵炳皓)#, Shanping Chen (陈善平)#, Jialin Ye (叶家霖), Jingjing Liu (刘晶晶), Lisha Liang (梁丽莎), Hui Ding (丁慧), Bernhard Schaefer, Qin Yang (杨琴), Lina Wang (王丽娜), Feng Wang (王枫), Liping Wang (王立平)*	中国科学院深圳先进技术研究院	NEURON
66	自然科学	High-yield electrochemical upgrading of CO <sub>2</sub> into CH <sub>4</sub> using large-area protonic ceramic electrolysis cells	利用大面积质子陶瓷电解槽将CO <sub>2</sub> 高效电化学转化为CH <sub>4</sub>	Zehua Pan (潘泽华)*, Chuancheng Duan (段传成), Tyler Pritchard, Amogh Thatte, Erick White, Robert Braun, Ryan O'Hayre*, Neal P. Sullivan*	哈尔滨工业大学(深圳)	APPLIED CATALYSIS B-ENVIRONMENTAL
67	自然科学	Global, regional, and national burdens of HIV and other sexually transmitted infections in adolescents and young adults aged 10–24 years from 1990 to 2019: a trend analysis based on the Global Burden of Disease Study 2019	1990年至2019年10至24岁青少年和年轻人艾滋病毒和其他性传播感染的全球、地区和国家负担: 基于2019年全球疾病负担研究的趋势分析	Jing Zhang (张晶), Bing Ma (马冰), Xu Han (汉旭), Shuangning Ding (丁双宁), Yongze Li (李咏泽)*	深圳大学	LANCET CHILD AND ADOLESCENT HEALTH
68	自然科学	Efficacy of SARS-CoV-2 vaccines and the dose-response relationship with three major antibodies: a systematic review and meta-analysis of randomised controlled trials	SARS-CoV-2疫苗的免疫效果及其与三种主要抗体的量效关系: 随机对照试验的系统评价和meta分析	Zhi-Rong Yang (杨智荣)#, Yi-Wen Jiang (蒋逸雯)#, Fu-Xiao Li (李拂晓), Di Liu (刘迪), Teng-Fei Lin (林腾飞), Zi-Yi Zhao (赵子屹), Chang Wei (魏畅), Qian-Yi Jin (金千懿), Xi-Miao Li (李汐淼), Yuan-Xi Jia (贾元熙), Feng-Cai Zhu (朱凤才), Zu-Yao Yang (杨祖耀)*, Feng Sha (沙洋)*, Zi-Jian Feng (冯子健), Jin-Ling Tang (唐金陵)	中国科学院深圳先进技术研究院	LANCET MICROBE
69	自然科学	Association predictions of genomics, proteomics, transcriptomics, microbiome, metabolomics, pathomics, radiomics, drug, symptoms, environment factor, and disease networks: A comprehensive approach	基因组学、蛋白质组学、转录组学、微生物组学、代谢组学、病理组学、放射组学、药物、症状、环境因子和疾病网络的关联预测: 综合方法	Yi Pan (潘毅)*, Xiujuan Lei (雷秀娟)*, Yuchen Zhang (张宇辰)	中国科学院深圳先进技术研究院	MEDICINAL RESEARCH REVIEWS



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70	自然科学	A novel tRNA-derived fragment AS-tDR-007333 promotes the malignancy of NSCLC via the HSPB1/MED29 and ELK4/MED29 axes	一个新型的tRNA衍生片段AS-tDR-007333通过HSPB1/MED29和ELK4/MED29轴促进NSCLC的恶性	Wenhan Yang (杨文瀚)#, Kaiping Gao (高开屏)#, Youhui Qian (钱有辉)#, Yongyi Huang, Qin Xiang, Cheng Chen, Qianqian Chen, Yiling Wang, Fuyuan Fang, Qihan He, Siqi Chen, Juan Xiong, Yangchao Chen, Ni Xie*, Duo Zheng*, Rihong Zhai (翟日洪)*	深圳大学	JOURNAL OF HEMATOLOGY & ONCOLOGY
71	自然科学	Prediction of impedance responses of protonic ceramic cells using artificial neural network tuned with the distribution of relaxation times	基于弛豫时间分布的人工神经网络预测质子陶瓷电池阻抗响应	Xuhao Liu (刘徐昊), Zilin Yan (严资林)*, Junwei Wu (武俊伟), Jake Huang, Yifeng Zheng (郑益锋), Neal P. Sullivan, Ryan O' Hayre, Zheng Zhong (仲政)*, Zehua Pan (潘泽华)*	哈尔滨工业大学 (深圳)	JOURNAL OF ENERGY CHEMISTRY
72	自然科学	Resilience patterns of human mobility in response to extreme urban floods	人群移动在响应极端城市内涝灾害中的韧性模式	Junqing Tang (汤俊卿), Pengjun Zhao (赵鹏军)*, Zhaoya Gong (宫兆亚), Hongbo Zhao (赵宏波), Fengjue Huang (黄沅爵), Jiaying Li (李嘉颖), Zhihe Chen (陈至禾), Ling Yu (余玲), Jun Chen (陈军)	北京大学深圳研究生院	NATIONAL SCIENCE REVIEW
73	自然科学	Polarization-Multiplexing Bessel Vortex Beams for Polarization Detection of Continuous Terahertz Waves	偏振复用贝塞尔涡旋波束用于连续太赫兹波的偏振检测	Zhao Jiang (蒋钊), Jinhui Lu (陆金辉), Jiayu Fan (樊佳裕), Jiaxuan Liang (梁家轩), Min Zhang (张敏), Hong Su (苏红), Lei Zhang (张磊)*, Huawei Liang (梁华伟)*	深圳大学	LASER & PHOTONICS REVIEWS
74	自然科学	Harnessing abiotic organic chemistry in living systems for biomedical applications	利用生物系统中的非生物有机化学进行生物学应用	Jiayingzi Wu (吴佳英子), Jing Lin (林静)*, Peng Huang (黄鹏)*	深圳大学	CHEMICAL SOCIETY REVIEWS
75	自然科学	Branching of High-Current Relativistic Electron Beam in Porous Materials	相对论强流电子束, 多孔材料, 分支流, 输运	K. Jiang (蒋轲), T. W. Huang (黄太武)*, R. Li (李然), M. Y. Yu (郁明阳), H. B. Zhuo (卓红斌), S. Z. Wu (吴思忠), C. T. Zhou (周沧涛), S. C. Ruan (阮双琛)	深圳技术大学	PHYSICAL REVIEW LETTERS
76	自然科学	CoID-LAMP: Color-Encoded, Intelligent Digital LAMP for Multiplex Nucleic Acid Quantification	CoID灯: 用于多重核酸定量的彩色编码智能数字灯	Kai Wu (武凯)#, Qi Fang (方琪)#, Zhantao Zhao (赵展陶), Zida Li (李自达)*	深圳大学	ANALYTICAL CHEMISTRY
77	工程	A Hybrid Approach to Optimal TOA-Sensor Placement with Fixed Shared Sensors for Simultaneous Multi-Target Localization	考虑共享传感器影响的多目标同时定位问题TOA传感器最优分布方法研究	Sheng Xu (徐升), Linlong Wu (吴林隆)*, Kutluyıl Doğançay, Mohammad Alae-Kerahroodi	中国科学院深圳先进技术研究院	IEEE TRANSACTIONS ON SIGNAL PROCESSING
78	工程	Boundary-aware context neural network for medical image segmentation	边界感知上下文神经网络在医学图像分割中的应用	Ruxin Wang (王如心), Shuyuan Chen (陈沐源), Chaojie Ji (纪超杰), Jianping Fan (樊建平)*, Ye Li (李焯)*	中国科学院深圳先进技术研究院	MEDICAL IMAGE ANALYSIS
79	工程	BIM generation from 3D point clouds by combining 3D deep learning and improved morphological approach	联合三维深度学习与改进形态学算法的BIM模型自动化三维重建方法	Shengjun Tang (汤圣君), Xiaoming Li (李晓明), Xianwei Zheng (郑先伟), Bo Wu (吴波), Weixi Wang (王伟玺)*, Yunjie Zhang (张韵婕)*	深圳大学	AUTOMATION IN CONSTRUCTION
80	工程	Analysis of a bio-inspired vibration isolator with a compliant limb-like structure	基于柔性仿肢腿式结构的仿生隔振器分析	Mu-Qing Niu (牛牧青), Li-Qun Chen (陈立群)*	哈尔滨工业大学 (深圳)	MECHANICAL SYSTEMS AND SIGNAL PROCESSING

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81	工程	Performance evaluation of high concentration photovoltaic cells cooled by microchannels heat sink with serpentine reentrant microchannels	基于蛇形内陷槽微通道散热冷却的高倍聚光光伏电池性能评价	Liang Chen (陈亮), Daxiang Deng (邓大祥)*, Qixian Ma (马启贤), Yingxue Yao (姚英学), Xinhai Xu (徐心海)	哈尔滨工业大学(深圳)	APPLIED ENERGY
82	工程	A Review of Single-Stage Multiport Inverters for Multisource Applications	面向多源应用的单级式多端口逆变器综述	Zhengqin Huang (黄峥沁), Dehong Zhou (周德洪)*, Longguang Wang (王龙广), Zewei Shen (沈泽微), and Yunwei Li	电子科技大学(深圳)高等研究院	IEEE TRANSACTIONS ON POWER ELECTRONICS
83	工程	Multi-Graph Convolutional-Recurrent Neural Network (MGC-RNN) for Short-Term Forecasting of Transit Passenger Flow	基于多图卷积递归神经网络的公交客流短期预测	Yuxin He (贺钰昕), Lishuai Li (李立帅)*, Xinting Zhu (朱鑫婷), Kwok Leung Tsui (徐国良)	深圳技术大学	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS
84	工程	Highly charged solar evaporator toward sustainable energy transition for <i>in-situ</i> freshwater & power generation	高充电太阳能蒸发器实现可持续能源转型, 用于就地淡水和发电	Muhammad Sultan Irshad, Yabin Hao, Naila Arshad, Muneerah Alomar, Liangyou Lin, Xiuqiang Li, Swelm. Wageh, Omar A. Al-Hartomy, Abdullah G. Al-Sehemi, Van-Duong Dao*, Hao Wang*, Xianbao Wang*, Han Zhang*	深圳大学	CHEMICAL ENGINEERING JOURNAL
85	工程	Insights into highly efficient piezocatalytic molecule oxygen activation over Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> : Active sites and mechanism	Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> 纳米片压电催化高效活化分子氧的见解——活性位点和机理	Chuanjian Su (苏闯建), Chaolin Li (李朝林)*, Ruhong Li (李如宏), Wenhui Wang (王文辉)*	哈尔滨工业大学(深圳)	CHEMICAL ENGINEERING JOURNAL
86	工程	Liquid-solid triboelectric nanogenerators for a wide operation window based on slippery lubricant-infused surfaces (SLIPS)	基于光滑润滑剂注入表面(卡瓦)的宽操作窗口液固摩擦电纳米发电机	Zhixiang Chen (陈志翔), Yi Lu (卢翊), Rui Li (李锐), Rojas J. Orlando, Rogerio Manica, Qingxia Liu (刘清侠)*	深圳技术大学	CHEMICAL ENGINEERING JOURNAL
87	工程	A capacitive deionization and electro-oxidation hybrid system for simultaneous removal of heavy metals and organics from wastewater	一种混合式电容去离子系统同步实现复杂工业废水中重金属的回收和有机物降解	Wutong Chen (陈吴桐), Xin He (何欣), Zekai Jiang (江泽楷), Bing Li b, Xiao-yan Li (李晓岩), Lin Lin (林琳)*	清华大学深圳国际研究生院	CHEMICAL ENGINEERING JOURNAL
88	工程	Capacity estimation of lithium-ion batteries based on optimized charging voltage section and virtual sample generation	基于优化充电电压片段和虚拟样本生成的锂离子电池容量估计	Yong Tian (田勇), Qianyuan Dong (董谦源), Jindong Tian (田劲东), Xiaoyu Li (李晓宇)*, Guang Li, Kamyar Mehran	深圳大学	APPLIED ENERGY
89	工程	Transportation Internet: A Sustainable Solution for Intelligent Transportation Systems	交通互联网: 智能交通系统的可持续解决方案	Hui Li (李挥), Yongquan Chen, Keqiang Li, Chong Wang, Bokui Chen	香港中文大学(深圳)	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS
90	工程	Generating and Weighting Semantically Consistent Sample Pairs for Ultrasound Contrastive Learning	为超声对比学习生成与加权语义一致的样本对	Yixiong Chen (陈亦雄), Chunhui Zhang (张春辉), Chris H.Q. Ding (丁宏强), and Li Liu (刘李)*	香港中文大学(深圳)	IEEE TRANSACTIONS ON MEDICAL IMAGING

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序号	领域	获奖论文题目	获奖论文题目 (中文参考翻译)	全部作者姓名 (*为通讯作者, #为共第一作者)	作者单位 (深圳)	发表期刊或会议名称
91	工程	Cross-domain landslide mapping from large-scale remote sensing images using prototype-guided domain-aware progressive representation learning	基于原型引导的领域感知渐进表示学习的大比例尺遥感图像跨域滑坡制图	Xiaokang Zhang (张效康), Weikang Yu (喻维康), Man-On Pun (潘文安)*, Wenzhong Shi (史文中)*	香港中文大学 (深圳)	ISPRS JOURNAL OF PHOTOGRAMMETRY AND REMOTE SENSING
92	工程	QINet: Decision Surface Learning and Adversarial Enhancement for Quasi-Immune Completion of Diverse Corrupted Point Clouds	QINet:基于决策面学习和对抗增强的多点多云准免疫完成	Ruonan Zhang (张若楠), Wei Gao (高伟)*, Ge Li (李革), and Thomas H. Li (李宏)	北京大学深圳研究生院	IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING
93	工程	Mechanical stimulation on a microfluidic device to highly enhance small extracellular vesicle secretion of mesenchymal stem cells	微流控机械刺激促进骨髓间充质干细胞胞外小泡分泌	Rui Hao (郝锐), Shi Hu (胡师), Huitao Zhang (张慧涛), Xi Chen (陈希), Zitong Yu (于子桐), Jingyi Ren (任静怡), Hang Guo (郭航)*, Hui Yang (杨慧)*	中国科学院深圳先进技术研究院	MATERIALS TODAY BIO
94	工程	A Two-Branch Neural Network for Short-Axis PET Image Quality Enhancement	一个用于短轴PET图像质量增强的双分支神经网络	Minghan Fu (付明翰), Meiyun Wang (王梅云), Yaping Wu (吴亚平), Na Zhang (张娜), Yongfeng Yang (杨永峰), Haining Wang (王海宁), Yun Zhou (周云), Yue Shang (尚越), Fang-Xiang Wu (吴方向), Hairong Zheng (郑海荣), Dong Liang (梁栋), Zhanli Hu (胡战利)*	中国科学院深圳先进技术研究院	IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS
95	工程	Power economic dispatch against extreme weather conditions: The price of resilience	极端天气条件下的电力经济调度: 弹性价格	Shunbo Lei (雷顺波)*, David Pozo, Ming-Hao Wang (王明浩), Qifeng Li, Yupeng Li, Chaoyi Peng	香港中文大学 (深圳)	RENEWABLE AND SUSTAINABLE ENERGY REVIEWS
96	工程	Deep learning based data-driven model for detecting time-delay water quality indicators of wastewater treatment plant influent	基于深度学习的数据驱动模型用于检测污水处理厂进水的时间滞后性水质指标	Yituo Zhang (张怡拓), Chaolin Li (李朝林)*, Hengpan Duan (段亨攀), Kefen Yan (颜克芬), Jihong Wang (王基鸿), Wenhui Wang (王文辉)*	哈尔滨工业大学 (深圳)	CHEMICAL ENGINEERING JOURNAL
97	工程	LCE-Calib: Automatic LiDAR-Frame/Event Camera Extrinsic Calibration With a Globally Optimal Solution	一种用于雷达-帧相机/事件相机的基于全局最优解的自动化外参标定方法	Jianhao Jiao (焦健浩), Feiyi Chen (陈飞逸), Hexiang Wei (魏鹤翔), JinWu (吴焯), Ming Liu (刘明)*	香港科技大学深圳研究院	IEEE/ASME TRANSACTIONS ON MECHATRONICS
98	工程	Fast model order reduction boundary element method for large-scale acoustic systems involving surface impedance	考虑表面阻抗的大型声学系统快速模型降阶边界元法	Xiang Xie (谢祥)*, Wei Wang (王玮)*, Kai He (何凯), Guanglin Li (李光林)	中国科学院深圳先进技术研究院	COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING
99	工程	Deep Multi-Magnification Similarity Learning for Histopathological Image Classification	组织病理学图像分类的深度多倍率相似学习	Songhui Diao (刁颂辉), Weiren Luo (罗伟仁), Jiaxin Hou (侯嘉馨), Ricardo Lambo, Hamas A. AL-kuhali, Hanqing Zhao (赵汉卿), Yinli Tian (田引黎), Yaoqin Xie (谢耀钦), Nazar Zaki, Wenjian Qin (秦文健)*	中国科学院深圳先进技术研究院	IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS

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100	工程	Structures, issues, and optimization strategies of Ni-rich and Co-low cathode materials for lithium-ion battery	锂离子电池富镍低钴正极材料的结构、问题及优化策略	Honggui Xie (谢洪桂), Huarong Peng (彭华容)#, Dongting Jiang (蒋东廷), Zhe Xiao (肖哲), Xueping Liu (刘雪萍), Hao Liang (梁豪), Mingli Wu (吴明俐), Dongming Liu (刘东明), Yun Li (黎芸), Yiling Sun, Shengkui Zhong (钟胜奎), Zhengfang Qian (钱正芳), Renheng Wang (王任衡)*	深圳大学	CHEMICAL ENGINEERING JOURNAL