

2024年深圳市科协第四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	Learning from human educational wisdom: A student-centered knowledge distillation method	从人类教育智慧中学习: 一种以学生为中心的知识蒸馏方法	Shunzhi Yang(杨顺志), Jinfeng Yang(杨金锋), MengChu Zhou(周孟初), Zhenhua Huang(黄震华)*, Wei-Shi Zheng(郑伟诗), Xiong Yang(杨雄), Jin Ren(任晋)	深圳职业技术大学	IEEE Transactions on Pattern Analysis and Machine Intelligence
2	计算机	ZeroNLG: Aligning and Autoencoding Domains for Zero-Shot Multimodal and Multilingual Natural Language Generation	ZeroNLG: 对齐和自动编码域来进行零样本多模态和多语言自然语言生成	Bang Yang (杨邦)#, Fenglin Liu (刘峰林)#, Yuexian Zou (邹月娴)*, Xian Wu (吴贤), Yaowei Wang (王耀威), David A. Clifton (大卫·克里夫顿)*	北京大学深圳研究生院	IEEE Transactions on Pattern Analysis and Machine Intelligence
3	计算机	Neuromorphic Intermediate Representation: A Unified Instruction Set for Interoperable Brain-inspired Computing	神经形态中间表示: 一种用于可互操作的类脑计算的统一指令集	Jens E.Pedersen#*, Steven Abreu#, Matthias Jobst, Gregor Lenz, Vittorio Fra, Felix Christian Bauer, Dylan Richard Muir, Peng Zhou (周芃), Bernhard Vogginger, Kade Heckel, Gianvito Urgese, Sadasivan Shankar, Terrence C. Stewart, Sadique Sheik, Jason K. Eshraghian	深圳陆兮科技有限公司	Nature Communications
4	计算机	Interaction-Based Inductive Bias in Graph Neural Networks: Enhancing Protein-Ligand Binding Affinity Predictions from 3D Structures	图神经网络中基于交互的归纳偏差: 增强 3D 结构的蛋白质-配体结合亲和力预测	Ziduo Yang(杨梓铎); Weihe Zhong(衷维荷); Qiuji Lv(吕秋杰); Tiejun Dong(董铁军); Guanxing Chen(陈观兴); Calvin Yu-Chian Chen(陈语谦)*	中山大学深圳校区	IEEE Transactions on Pattern Analysis and Machine Intelligence
5	计算机	Towards Deviation-Robust Agent Navigation via Perturbation-Aware Contrastive Learning	基于扰动感知对比学习实现路径偏离下的智能体鲁棒导航	Bingqian LIN (林冰倩)#, Yanxin LONG (龙衍鑫)#, Yi ZHU (朱艺), Fengda ZHU (朱峰达), Xiaodan Liang* (梁小丹)*, Qixiang YE (叶齐祥), Liang LIN (林惊)	中山大学深圳校区	IEEE Transactions on Pattern Analysis and Machine Intelligence
6	计算机	Concept-Aware Video Captioning: Describing Videos with Effective Prior Information	概念感知视频描述: 用有效的先验信息来描述视频	Bang Yang (杨邦), Meng Cao (曹蒙), Yuexian Zou (邹月娴)*	北京大学深圳研究生院	IEEE Transactions on Image Processing
7	计算机	Low Complexity Coding Unit Decision for Video-Based Point Cloud Compression	针对基于视频的点云压缩的低复杂度编码单元决策	Wei Gao(高伟), Hang Yuan(袁航)*, Ge Li(李革), Zhu Li(李竹), Hui Yuan(元辉)	北京大学深圳研究生院	IEEE Transactions on Image Processing
8	计算机	Geometry-enhanced pretraining on interatomic potentials	几何增强的原子间势预训练	Taoyong Cui(崔涛镭)#, Chenyu Tang(唐晨宇)#, Mao Su(苏茂)*, Shufei Zhang(张舒飞)*, Yuqiang Li(李玉强), Lei Bai(白磊), Yuhang Dong(董宇涵), Xingao Gong(龚新高) & Wanli Ouyang(欧阳万里)	清华大学深圳国际研究生院	Nature Machine Intelligence
9	计算机	Generating mutants of monotone affinity towards stronger protein complexes through adversarial learning	通过对抗学习生成亲和力单调变强的蛋白复合物突变体	Tian LAN (蓝天), Shuquan SU (苏树泉), Pengyao PING (平朋要), Gyorgy Hutvagner, Tao LIU, Yi PAN (潘毅), Jinyan LI (李金艳)*	中国科学院深圳先进技术研究院	Nature Machine Intelligence
10	计算机	Active Learning for Deep Visual Tracking	基于主动学习的深度目标跟踪	Di Yuan (袁笛), Xiaojun Chang (常晓军)*, Qiao Liu (刘乔), Yi Yang (杨易), Dehua Wang (王德华), Minglei Shu (舒明雷), Zhenyu He (何震宇), Guangming Shi (石光明)	哈尔滨工业大学(深圳)	IEEE Transactions on Neural Networks and Learning Systems

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11	计算机	Scalable crystal structure relaxation using an iteration-free deep generative model with uncertainty quantification	基于免迭代深度生成模型的可扩展晶体结构优化	Ziduo YANG (杨梓铎)#, Yi-Ming ZHAO (赵艺明)#, Xian WANG (王仙), Xiaoqing LIU (刘晓庆), Xiuying ZHANG (张修营), Yifan LI (李逸凡), Qiujie LV (吕秋杰), Calvin Yu-Chian CHEN (陈语谦)*, Lei SHEN (沈雷)*	中山大学深圳校区, 北京大学深圳研究生院	Nature Communications
12	计算机	Backdoor Attack With Sparse and Invisible Trigger	使用稀疏隐形触发器的后门攻击	Yinghua Gao (高英华)#, Yiming Li (李一鸣)#*, Xueluan Gong (龚雪銮), Zhifeng Li (李志锋), Shu-Tao Xia (夏树涛), Qian Wang (王骞)	清华大学深圳国际研究生院	IEEE Transactions on Information Forensics and Security
13	计算机	MB-TaylorFormer Mutil-branch Efficient Transformer Expanded by Taylor Formula for Image Dehazing	用于图像去雾的基于泰勒公式扩展的多分支高效Transformer	Yuwei Qiu, Kaihao Zhang (张凯皓), Wenhan Luo (罗文寒), Hongdong Li (李宏东), Zhi Jin (金枝)*	中山大学深圳校区	IEEE/CVF International Conference on Computer Vision (ICCV)
14	计算机	Modal-nexus auto-encoder for multi-modality cellular data integration and imputation	模态联结自编码器用于多模态生物数据整合与插补	Zhenchao TANG (唐振超), Guanxing CHEN (陈观兴), Shouzhi CHEN (陈守智), Jianhua YAO (姚建华)*, linlin YOU (由林麟)*, Calvin Yu-Chian CHEN (陈语谦)*	中山大学深圳校区	Nature Communications
15	计算机	Learning Spherical Radiance Field for Efficient 360° Unbounded Novel View Synthesis	基于球面辐射场的高效360°无边场景新视角合成	Minglin Chen (陈铭林), Longguang Wang (王龙光), Yinjie Lei (雷印杰), Zilong Dong (董子龙), Yulan Guo (郭裕兰)*	中山大学深圳校区	IEEE Transactions on Image Processing
16	计算机	DiffuseStyleGesture: stylized audio-driven co-speech gesture generation with diffusion models	DiffuseStyleGesture: 基于扩散模型的风格化语音驱动共语手势生成	Sicheng Yang (杨思程), Zhiyong Wu (吴志勇)*, Minglei Li (李明磊), Zhensong Zhang (张镇嵩), Lei Hao (郝磊), Weihong Bao (鲍威弘), Ming Cheng (成明), Long Xiao (肖龙)	清华大学深圳国际研究生院	International Joint Conference on Artificial Intelligence (IJCAI)
17	计算机	GenFace: A Large-Scale Fine-Grained Face Forgery Benchmark and Cross Appearance-Edge Learning	GenFace: 大规模细粒度人脸伪造基准与跨外观边缘学习	Yaning Zhang (张亚宁)#, Zitong Yu (余梓彤)#, Tianyi Wang (王天一), Xiaobin Huang (黄小斌), Linlin Shen (沈琳琳)*, Zan Gao (高赞)*, Jianfeng Ren (仝剑锋)	深圳大学	IEEE Transactions on Information Forensics and Security
18	计算机	De novo generation of SARS-CoV-2 antibody CDRH3 with a pre-trained generative large language model	预训练生成式大语言模型实现新冠抗体CDRH3的从头生成	Haohuai He (何昊淮)#, Bing He (何冰)#*, Lei Guan (管磊)#, Yu Zhao (赵宇), Feng Jiang (江丰), Guanxing Chen (陈观兴), Qingge Zhu (朱青格), Calvin Yu-Chian Chen (陈语谦)*, Ting li (李婷)*, Jianhua Yao (姚建华)*	腾讯人工智能实验室	Nature Communications
19	计算机	An Efficient and Scalable FHE-Based PDQ Scheme: Utilizing FFT to Design a Low Multiplication Depth Large-Integer Comparison Algorithm	一种高效且可扩展的基于全同态加密的隐私数据库查询方案: 利用高效傅里叶算法设计低乘法深度的大整数比较算法	Fahong ZHANG (张发鸿), Chen Yang (杨晨)*, Rui Zong (宗瑞)*, Xinran Zheng (郑昕然), Jianfei Wang (王剑飞), Yishuo Meng (孟依硕)	粤港澳大湾区数字经济研究院	IEEE Transactions on Information Forensics and Security
20	计算机	AS2LS: Adaptive Anatomical Structure-based Two-layer Level Set Framework for Medical Image Segmentation	基于自适应解剖结构的双层水平集医学图像分割框架	Tianyi Han (韩天祗), Haoyu Cao (曹皓瑜), Yunyun Yang* (杨云云)	哈尔滨工业大学(深圳)	IEEE Transactions on Image Processing

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21	计算机	GIFD: A Generative Gradient Inversion Method with Feature Domain Optimization	GIFD: 一种结合了特征域优化的生成式梯度反演方法	Hao FANG(方豪), Bin CHEN(陈斌)*, Xuan WANG(王轩), Zhi WANG(王智), Shutao XIA(夏树涛)	哈尔滨工业大学(深圳)、清华大学深圳国际研究生院	IEEE/CVF International Conference on Computer Vision (ICCV)
22	计算机	Misclassification in Weakly Supervised Object Detection	弱监督目标检测中的误分类	Zhihao WU (吴志昊), Yong XU (徐勇)*, Jian YANG (杨健), Xuelong LI (李学龙)	哈尔滨工业大学(深圳)	IEEE Transactions on Image Processing
23	计算机	Enhanced Spatial Feature Learning for Weakly Supervised Object Detection	用于弱监督目标检测的增强空间特征学习	Zhihao WU (吴志昊), Jie WEN (文杰), Yong XU (徐勇)*, Jian YANG (杨健), Xuelong LI (李学龙), David ZHANG (张大鹏)	哈尔滨工业大学(深圳)	IEEE Transactions on Neural Networks and Learning Systems
24	计算机	DRAW: Dual-Decoder-Based Robust Audio Watermarking Against Desynchronization and Replay Attacks	DRAW: 基于双解码器的抗翻录与去同步攻击的音频鲁棒水印方案	Bin LI (李斌), Jincheng CHEN (陈金城), Yuxiong XU (许裕雄), Weixiang LI (李伟祥)*, Zhenghui LIU (刘正辉)	深圳大学	IEEE Transactions on Information Forensics and Security
25	计算机	G2L: Semantically Aligned and Uniform Video Grounding via Geodesic and Game Theory	G2L: 基于测地线和博弈论实现语义对齐和统一的视频定位	Hongxiang Li (李鸿翔), Meng Cao (曹蒙), Xuxin Cheng (程旭欣), Yaowei Li (李耀伟), Zhihong Zhu (朱志宏), Yuexian Zou (邹月嫻)*	北京大学深圳研究生院	IEEE/CVF International Conference on Computer Vision (ICCV)
26	计算机	Reliable deep learning in anomalous diffusion against out-of-distribution dynamics	面向分布外异常扩散动力学的可靠深度学习	Xiaochen Feng (冯笑晨)#, Hao Sha (沙浩)#, Yongbing Zhang (张永兵)*, Yaoquan Su (苏耀泉), Shuai Liu (刘帅), Yuan Jiang (蒋元), Shangguo Hou (侯尚国), Sanyang Han (韩三阳), Xiangyang Ji (季向阳)*	哈尔滨工业大学(深圳)	Nature Computational Science
27	计算机	MODA: Mapping-Once Audio-driven Portrait Animation with Dual Attentions	基于双重注意力机制单次映射的语音驱动人像视频生成	Yunfei LIU (刘云飞), Lijian LIN (林丽健), Fei YU (余飞), Changyin ZHOU (周昌印), Yu LI (李昱)*	粤港澳大湾区数字经济研究院	IEEE/CVF International Conference on Computer Vision (ICCV 2023)
28	计算机	Cell-Less Offloading of Distributed Learning Tasks in Multi-Access Edge Computing	多接入边缘计算中分布式学习任务的无蜂窝卸载	Pengchao HAN (汉鹏超), Bo LIU (刘博)*, Yejun LIU (刘业君), Lei GUO (郭磊)	深圳市人工智能与机器人研究院	IEEE Transactions on Mobile Computing
29	计算机	Meta Learning With Graph Attention Networks for Low-Data Drug Discovery	通过基于元学习的图注意力网络实现少量数据的药物发现	Qiujie Lv (吕秋杰), Guanxing Chen (陈观兴), Ziduo Yang (杨梓铎), Weihe Zhong (衷维和), Calvin Yu-Chian Chen (陈语谦)*	中山大学深圳校区	IEEE Transactions on Neural Networks and Learning Systems
30	计算机	DiffCast: A Unified Framework via Residual Diffusion for Precipitation Nowcasting	DiffCast: 利用残差扩散模型的降水预报统一框架	Demin Yu (于德民), Xutao Li (李旭涛)*, Yunming Ye (叶允明), Baoquan Zhang (张保权), Chuyao Luo (罗楚耀), Kuai Dai (代快), Rui Wang (王瑞), Xunlai Chen (陈训来)	哈尔滨工业大学(深圳)	IEEE Conference on Computer Vision and Pattern Recognition
31	计算机	Region purity-based local feature selection: a multi-objective perspective	基于区域纯度的局部特征选择: 一种多目标视角	Yu Zhou (周宇)*, Yan Qiu (邱炎), Sam Kwong(邝得互)	深圳大学	IEEE Transactions on Evolutionary Computation

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32	计算机	Learning to Synthesize Compatible Fashion Items Using Semantic Alignment and Collocation Classification: An Outfit Generation Framework	使用语义对齐和搭配分类来学习生成搭配的时尚单品: 搭配套装生成框架	Dongliang Zhou (周栋梁), Haijun Zhang (张海军) *, Kai Yang (杨凯), Linlin Liu (刘琳琳), Han Yan (闫寒), Xiaofei Xu (徐晓飞), Zhao Zhang (张召), Shuicheng Yan (颜水成)	哈尔滨工业大学(深圳)	IEEE Transactions on Neural Networks and Learning Systems
33	计算机	Reducing Idleness in Financial Cloud Services via Multi-objective Evolutionary Reinforcement Learning based Load Balancer	降低金融云服务中闲置率的多目标进化强化学习负载均衡器	Peng YANG (杨鹏) *, Laoming ZHANG (张烙铭), Haifeng LIU (刘海峰), Guiying LI (李皈颖)	南方科技大学	Science China Information Sciences
34	计算机	IBD-PSC: Input-level Backdoor Detection via Parameter-oriented Scaling Consistency	基于参数放大一致性的后门样本检测	Linshan Hou (候琳珊), Ruili Feng (冯睿鑫), Zhongyun Hua (花忠云) *, Wei Luo, Leo Yu Zhang, Yiming Li (李一鸣) *	哈尔滨工业大学(深圳)	International Conference on Machine Learning (ICML)
35	计算机	Not All Prompts Are Secure: A Switchable Backdoor Attack Against Pre-trained Vision Transformers	并非所有提示都是安全的: 针对预训练视觉转换器模型的可切换后门攻击	Sheng YANG (杨晟)#, Jiawang Bai (白家旺)#, Kuofeng Gao (高扩丰), Yong Yang (杨勇), Yiming Li (李一鸣)*, Shu-tao Xia (夏树涛)*	鹏城实验室	IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
36	计算机	MISSRec: Pre-training and Transferring Multi-modal Interest-aware Sequence Representation for Recommendation	面向多模态推荐的兴趣感知序列表示的预训练和迁移微调	Jinpeng WANG (王锦鹏), Ziyun ZENG (曾梓云), Yunxiao WANG (王煜庭), Yuting WANG (汪云霄), Xingyu LU (卢星宇), Tianxiang LI (李天翔), Jun YUAN (袁珺), Rui ZHANG (张瑞), Hai-Tao ZHENG (郑海涛), Shu-Tao XIA (夏树涛)*	清华大学深圳国际研究生院	2023 ACM International Conference on Multimedia (ACM MM)
37	计算机	Separate the Wheat from the Chaff: Model Deficiency Unlearning via Parameter-Efficient Module Operation	去芜存菁: 通过参数高效模块操作进行模型缺陷消除	Hu XINSHUO (胡欣硕)#, Li DONGFANG (李东方)#, Hu BAOTIAN (户保田)*, Zheng ZIHAO (郑梓豪), Liu ZHENYU (刘振宇), Zhang MIN (张民)	哈尔滨工业大学(深圳)	AAAI Conference on Artificial Intelligence (AAAI)
38	计算机	Not All Countries Celebrate Thanksgiving: On the Cultural Dominance in Large Language Models	并非所有国家都庆祝感恩节: 大型语言模型中的文化主导问题	Wenxuan Wang (王文轩), Wenxiang Jiao (焦文祥), Jingyuan Huang (黄靖原), Ruyi Dai (戴汝祗), Jen-tse Huang (黄任泽), Zhaopeng Tu (涂兆鹏)*, Michael Lyu (吕荣聪)	腾讯 AI Lab	Annual Meeting of the Association for Computational Linguistics (ACL)
39	计算机	Latent Modulated Function for Computational Optimal Continuous Image Representation	基于隐调制函数的最优连续图像表征	Zongyao He (何宗耀), Zhi Jin (金枝)*	中山大学深圳校区	IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
40	计算机	DRCT: Diffusion Reconstruction Contrastive Training towards Universal Detection of Diffusion Generated Images	DRCT: 基于扩散重构对比训练的生成图像通用检测	Baoying Chen (陈保莹)#, Jishen Zeng (曾吉申)#, Jianquan Yang (杨建权)*, Rui Yang (杨锐)	中山大学深圳校区	International Conference on Machine Learning (ICML)

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41	计算机	Advancing Referring Expression Segmentation Beyond Single Image	跨越单图像局限的指代表达分割方法研究	Yixuan WU (吴逸璇) #, Zhao ZHANG (张钊) #, Chi XIE (谢驰), Feng ZHU (朱烽) *, Rui ZHAO (赵瑞)	深圳市商汤科技有限公司	IEEE/CVF International Conference on Computer Vision (ICCV)
42	工程	Advanced Flexible Sensing Technologies for Soft Robots	软体机器人先进柔性传感技术	Juntian Qu (曲钧天) *, Guangming Cui (崔光明), Zhenkun Li (李振坤), Shutong Fang (房姝彤), Xianrui Zhang (张先睿), Ang Liu (刘昂), Mingyue Han (韩明悦), Houde Liu (刘厚德), Xueqian Wang (王学谦), Xiaohao Wang (王晓浩)	清华大学深圳国际研究生院	Advanced Functional Materials
43	工程	Age of Information Based Scheduling for UAV Aided Localization and Communication	无人机辅助定位与通信中基于信息时效性的资源调度策略	Tianhao LIANG (梁天豪), Tingting ZHANG (张霆廷) *, Qingqing WU (武庆庆), Wentao LIU (刘文韬), Donglin LI (李东霖), Zepeng XIE (谢泽鹏), Dong LI (李东), Qinyu ZHANG (张钦宇)	哈尔滨工业大学 (深圳)	IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS
44	工程	Self-Balancing Exoskeleton Robots Designed to Facilitate Multiple Rehabilitation Training Movements	用于促进多种康复训练动作的自平衡外骨骼机器人设计	Dingkui Tian (田定奎), Wentao Li (李文韬), Jinke Li (李金科), Feng Li (李锋), Ziqiang Chen (陈自强), Yong He (何勇), Jianquan Sun (孙健铨), and Xinyu Wu (吴新宇) *	中国科学院深圳技术研究院	IEEE TRANSACTIONS ON NEURAL SYSTEMS AND REHABILITATION ENGINEERING
45	工程	FedForecast: A federated learning framework for short-term probabilistic individual load forecasting in smart grid	FedForecast:智能电网中短期概率个体负荷预测的联邦学习框架	Yixing Liu (刘逸兴), Zhen Dong (董震), Bo Liu (刘博), Yiqiao Xu (徐驿桥), Zhengtao Ding (丁正桃) *	深圳人工智能与机器人研究院	International Journal of Electrical Power & Energy Systems
46	工程	A Deep Transfer Learning Network for Structural Condition Identification with Limited Real-World Training Data	面向有限真实训练数据的结构状态识别深度迁移学习网络	Nengxin Bao(包能鑫) #, Tong Zhang(张彤) #, Ruizhi Huang(黄睿智), Suryakanta Biswal, Jingyong Su(苏敬勇), Ying Wang(王迎) *	哈尔滨工业大学 (深圳)	Structural Control and Health Monitoring
47	工程	CNNs-Transformer based day-ahead probabilistic load forecasting for weekends with limited data availability	在有限数据可用性的背景下基于CNNs-Transformer的日前载荷概率预测	Zhirui Tian (田智睿), Weican Liu (柳韦灿), Wenqian Jiang (蒋文倩), Chenye Wu (吴辰晔) *	香港中文大学 (深圳)	Energy
48	工程	Multi-scale CuS-rGO pyramidal photothermal structure for highly efficient solar-driven water evaporation and thermoelectric power generation	多尺度CuS-rGO金字塔光热结构实现高效太阳能光热蒸发和温差发电	Long Zeng (曾龙), Daxiang Deng (邓大祥) *, Linye Zhu (朱霖野), Zhenkun Zhang (张振坤), Xin Gu (顾鑫), Huiming Wang (王惠民), Yujie Jiang (江宇杰)	哈尔滨工业大学 (深圳)	Nano Energy
49	工程	Optoelectronic dual-synapse based on wafer-level GaN-on-Si device incorporating embedded SiO2 barrier layers	采用嵌入式二氧化硅隔离层的硅晶圆级氮化镓光电双突触	Kuan-Chang Chang (张冠张), Huangbai Liu (刘晃佰), Xinqin Duan (段新晴), Zehui Peng (彭泽晖), Xinnan Lin (林信南) *, Lei Li (李蕾) *	北京大学深圳研究生院	Nano Energy
50	工程	Insight into mechanism of boosted oxygen reduction reaction in mixed-conducting composite cathode of solid oxide fuel cell via a novel open-source pore-scale model	基于新型开孔孔隙尺度模型的固体氧化物燃料电池混合导电复合阴极强化氧还原反应机理研究	Yuhua WU (吴愉华), Zilin YAN (严资林), Jiawei XU (徐嘉伟), Zheng ZHONG (仲政), Xinhai XU (徐心海) *	哈尔滨工业大学 (深圳)	Chemical Engineering Journal

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51	工程	Structural reinforced NaTi ₂ (PO ₄) ₃ composite by pillar effects for constructing a high-performance rocking-chair desalination battery	由功能柱效应实现结构增强的NaTi ₂ (PO ₄) ₃ 复合材料用于构建高性能摇椅式海水淡化电池	Yuliang Wu (吴昱亮), Qian Zou (邹黔), Chaolin Li (李朝林)*, Wenhui Wang (王文辉)*	哈尔滨工业大学(深圳)	Chemical Engineering Journal
52	工程	SCG-GFFE: A Self-Constructed graph fault feature extractor based on graph Auto-encoder algorithm for unlabeled single-variable vibration signals of harmonic reducer	SCG-GFFE: 基于图自编码算法的谐波减速器无标记单变量振动信号自构造图故障特征提取器	Shilong SUN(孙士龙)*, Hao Ding(丁昊), Zida Zhao(赵子达), Wenfu Xu(徐文福), Dong Wang(王冬)	哈尔滨工业大学(深圳)	Advanced Engineering Informatics
53	工程	Configuration Identification for a Freeform Modular Self-Reconfigurable Robot - FreeSN	一种自由连接的模块化自重构机器人的构型感知系统	Yuxiao TU (涂宇啸), Tin Lun LAM (林天麟)*	香港中文大学(深圳)、深圳市人工智能与机器人研究院	IEEE Transactions on Robotics
54	工程	Operating strategy investigation of a solid oxide electrolysis cell under large scale transient electrical inputs	大幅度电瞬变输入工况下固体氧化物电解槽的运行策略研究	Hanming CHEN (陈涵铭), Tao WU (伍韬), Shude LUO (罗书德), Yifei WANG (王夷飞), Xinhai XU (徐心海)*	哈尔滨工业大学(深圳)	Energy Conversion and Management
55	工程	Reinforcement Learning-Based High-Speed Path Following Control for Autonomous Vehicles	基于强化学习的自动驾驶汽车高速路径跟踪控制	Jia Liu (刘佳), Yunduan Cui (崔允端), Jianghua Duan (段江晔), Zhengmin Jiang (蒋拯民), Zhongming Pan (潘仲鸣), Kun Xu (徐坤)*, Huiyun Li (李慧云)*	中国科学院深圳先进技术研究院	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY
56	工程	Microscopic mechanism of the combined effects of confining pressure and fines content on suffusion in gap-graded underfilled soils	围压和细颗粒含量对不连续级配欠填土渗蚀联合影响的微观机理	Leilei Liu (刘垒雷), Rui Chen (陈锐)*, Chao Zhou (周超), Xiaojiao Li (李晓蛟), Bate Bate (巴特)	哈尔滨工业大学(深圳)	Journal of Hydrology
57	工程	Effects of South China Sea clayey-silty sediments on the kinetics and morphology of CH ₄ hydrate: Implication on energy recovery	南海泥质粉砂沉积物对CH ₄ 水合物动力学和形貌学的影响: 对能量回收的启示	Junjie REN (任俊杰), Zhenyuan YIN (殷振元)*, Hongfeng LU (陆红锋), Chenlu XU (许辰璐), Zenggui KUANG (匡增桂), Wei DENG (邓炜), Yunting LIU (刘云霆), Praveen LINGA	清华大学深圳国际研究生院	Applied Energy
58	工程	Effect of marine clay minerals on the thermodynamics of CH ₄ hydrate: Evidence for the inhibition effect with implications	海洋粘土矿物对CH ₄ 水合物热力学的影响: 抑制效应的证据及其影响	Junjie REN (任俊杰), Zhenyuan YIN (殷振元)*, Guangjin CHEN (陈光进), Hongfeng LU (陆红锋), Chenlu XU (许辰璐), Siyu ZENG (曾思与), Yunting LIU (刘云霆), Praveen LINGA	清华大学深圳国际研究生院	Chemical Engineering Journal
59	工程	Integrated 3D modeling unravels the measures to mitigate nickel migration in solid oxide fuel / electrolysis cells	基于集成三维建模方法定量研究减缓固体氧化物燃料电池/电解池中镍迁移的措施	Zhenjun Jiao (焦震钧)*, Yunpeng Su (苏云鹏)#, Wenyue Yang (杨文悦), Jianli Zhou (周建力), Jin Zhang (张进), Xiaofeng Tong (童晓峰), Yijing Shang (尚怡静), Ming Chen (陈铭)*	哈尔滨工业大学(深圳)	Journal of Materials Chemistry A
60	工程	Flexible Low-Voltage MXene Floating-Gate Synaptic Transistor for Neuromorphic Computing and Cognitive Learning	用于神经形态计算和认知学习的柔性低压MXene浮栅接触晶体管	Jiahao Zhu (朱家豪), Zifan Wang (王子凡), Dexing Liu (刘德行), Qi Liu (刘奇), Wanting Wang (王婉婷), Xinwei Wang (王新炜), Min Zhang (张敏)*	北京大学深圳研究生院	Advanced Functional Materials

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61	应用	Plasticity in single-crystalline Mg3Bi2 thermoelectric material	单晶Mg3Bi2基热电材料的塑型	'Peng ZHAO (赵鹏) #, Wenhua XUE (薛文华) #, Yue ZHANG (张悦) #, Shizhen ZHI (芝世珍), Xiaojing MA (马晓静), Jiamin QIU (仇嘉敏), Tianyu ZHANG (张天宇), Sheng YE (叶升), Huimin MU (穆慧敏), Jinxuan CHENG (程谨轩), Xiaodong WANG (王晓东), Shuaihang HOU (侯帅航), Lijia ZHAO (赵立佳), Guoqiang XIE (谢国强), Feng CAO (曹峰), Xingjun LIU (刘兴军), Jun MAO (毛俊) *, Yuhao FU (付钰豪) *, Yumei WANG (王玉梅) *, and Qian ZHANG (张倩) *	哈尔滨工业大学 (深圳)	Nature
62	应用	Ultrafast piezocapacitive soft pressure sensors with over 10 kHz bandwidth via bonded microstructured interfaces	通过粘合微结构界面实现带宽超过 10kHz 的超快压电容软压力传感器	Yuan Zhang(张愿), Xiaomeng Zhou(周小猛)#, Nian Zhang(张念)#, Jiaqi Zhu(朱嘉琦), Ningning Bai(白宁宁), Xingyu Hou(侯星宇), Tao Sun(孙涛), Gang Li(李纲), Lingyu Zhao(赵凌宇), Yingchun Chen*(陈迎春)*, Liu Wang*(王柳)*, Chuan Fei Guo*(郭传飞)*	南方科技大学	Nature Communications
63	应用	3D Printed Implantable Hydrogel Bioelectronics for Electrophysiological Monitoring and Electrical Modulation	用于电生理监测和电调控的3D打印植入式水凝胶生物电子器件	Fucheng Wang# (王福成), Yu Xue# (薛羽), Xingmei Chen# (陈兴梅), Pei Zhang (张培), Liangjie Shan (单良杰), Qingfang Duan (段青放), Junfei Xing (邢俊飞), Yang Lan (兰洋), Baoyang Lu*(卢宝阳), Ji Liu*(刘吉)	南方科技大学	Advanced Functional Materials
64	应用	Tailoring Interfacial Structures to Regulate Carrier Transport in Solid-State Batteries	通过界面结构调控固态电池中的载流子传输	Zhikang DENG (邓志康) #, Shiming CHEN (陈诗名) #, Kai YANG (杨凯) *, Yongli SONG (宋永利) *, Shida XUE (薛诗达), Xiangming YAO (姚祥铭), Luyi YANG (杨卢奕) *, and Feng PAN (潘锋) *	北京大学深圳研究生院	Advanced Materials
65	应用	'Wireless Bioelectronics for In Vivo Pressure Monitoring with Mechanically-Compliant Hydrogel Biointerfaces	集成水凝胶粘合界面的无线传感电子器件用于体内压力监测	Jingsen Lin (林景森)#, Xingmei Chen (陈兴梅)#, Pei Zhang (张培), Yu Xue (薛羽), Yinghui Feng (冯颖慧), Zhipeng Ni (倪志鹏), Yue Tao (陶月), Yafei Wang (王亚飞), and Ji Liu (刘吉)*	南方科技大学	Advanced Materials
66	应用	'NIR-II Photoacoustic Imaging-Guided Oxygen Delivery and Controlled Release Improves Photodynamic Therapy for Hepatocellular Carcinoma	NIR-II 光声成像引导氧气输送和可控释放改善肝细胞癌的光动力治疗	Silue Zeng (曾思略) #, Jingqin Chen (陈敏钦) #, *, Rongkang Gao (高蓉康) #, Rui Chen (陈瑞), Qiang Xue (薛强), Yaguang Ren (任亚光), Liangjian Liu (刘良检), Chuanyu Tang (唐传宇), Haoyu Hu (胡浩宇), Ning Zeng (曾宁), Sai Wen (文赛), Hai Zhang (张海), Chenbo Liu (刘成波) *, Chihua Fang (方驰华) *, Shuzhi Zhao (赵树之), Guangyan Dai (戴燕) #,	中国科学院深圳先进技术研究院	Advanced materials
67	应用	'An interpretable model based on graph learning for diagnosis of Parkinson's disease with voice-related EEG	基于可解释性图学习模型结合言语任务脑电信号能够实现高精度帕金森病智能诊断	Jingting Li (李婧婷) #, Xiaoxia Zhu (朱小霞), Xiyan Huang (黄曦妍), Yongxue Li (李咏雪), Mingdan Tan (谭明丹), Lan Wang (王岚), Peng Fang (方鹏), Xi Chen (陈曦) *, Nan Yan (燕楠) *, Hanjun Liu (刘汉军) *	中国科学院深圳先进技术研究院	npj Digital Medicine

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68	应用	'Hydrogen-Bonding Integrated Low-Dimensional Flexible Electronics Beyond the Limitations of van der Waals Contacts	氢键集成的低维柔性电子打破范德华接触限制	Dexing LIU (刘德行), Ziyi LIU (刘子一) #, Xinyu GAO (高新宇), Jiahao ZHU (朱家豪), Zifan WANG (王子凡), Rui QIU (邱睿), Qinqi REN (任沁琦), Yiming ZHANG (张艺明), Shengdong ZHANG (张盛东), Min ZHANG (张敏) *	北京大学深圳研究生院	Advanced Materials
69	应用	220 V/50 Hz Compatible Bipolar Quantum-Dot Light-Emitting Diodes	可兼容220 V/50 Hz交流电的双极型量子点发光二极管	Heng Zhang (张恒), Jiming Wang (王基铭), Shuming Chen (陈树明) *	南方科技大学	外文期刊: Advanced Materials
70	应用	Targeted Cyclo[8]pyrrole-Based NIR-II Photoacoustic Tomography Probe for Suppression of Orthotopic Pancreatic Tumor Growth and Intra-abdominal Metastases	基于Cyclo[8]pyrrole的靶向 NIR-II 光声断层扫描可抑制原位胰腺肿瘤生长和腹腔内转移	Jingqin Chen(陈敏钦)#, Rui Chen (陈瑞) #, Calvin V Chau#, Adam C Sedgwick#, Qiang Xue (薛强), Tao Chen (陈涛), Silue Zeng (曾思略), Ningbo Chen (陈宁波), Kenneth K Y Wong, Liang Song (宋亮), Yaguang Ren (任亚光) *, Jian Yang (杨剑) *, Jonathan L Sessler*, Chengbo Liu (刘成波) *	中国科学院深圳先进技术研究院	Journal of the American Chemical Society
71	应用	Cross-Scale Synergistic Manipulation of Dielectric Genes in Polymetallic Sulfides from Micropolarization to Macroconductance Toward Wide-Band Microwave Absorption	从微极化到大电导跨尺度协同操控多金属硫化物介电基因实现宽带微波吸收	Junye Cheng (程俊业) # *, Yao Li (李尧) #, Hassan Raza, Renchao Che (车仁超) *, Yongheng Jin (金永衡), Shulong Ye (叶曙龙), Shun Wang (王舜), Deqing Zhang (张德庆), Guangping Zheng (郑广平) *	深圳北理莫斯科大学	Advanced Functional Materials
72	应用	Accurately predicting enzyme functions through geometric graph learning on ESMFold-predicted structures	基于ESMFold预测结构和几何图学习进行准确的酶功能预测	Yidong Song (宋益东#), Qianmu Yuan (袁乾沐) #, Sheng Chen (陈晟), Yuansong Zeng (曾远松), Huiying Zhao (赵慧英) & Yuedong Yang (杨跃东)	国家超级计算深圳中心(深圳云计算中心)	Nature Communications
73	应用	TCMBank: bridges between the largest herbal medicines, chemical ingredients, target proteins, and associated diseases with intelligence text mining	TCMBank: 通过智能文本挖掘在最大的草药、化学成分、目标蛋白和相关疾病之间架起桥梁	Qiujie Lv (吕秋杰), Guanxing Chen (陈观兴) #, Haohuai He (何昊怀) #, Ziduo Yang (杨梓铎), Lu Zhao (赵璐), Hsin-Yi Chen (陈新怡) and Calvin Yu-Chian Chen (陈语谦) *	中山大学·深圳	Chemical Science
74	应用	Volumetric tumor tracking from a single cone-beam X-ray projection image enabled by deep learning	基于深度学习的单张锥形束X射线投影的3D肿瘤追踪算法	Jingjing DAI(戴晶晶), Guoya DONG (董国业), Chulong ZHANG(张楚龙), Wenfeng HE(何文丰), Lin LIU (刘琳), Tangsheng WANG(王唐胜), Yuming JIANG(江玉明), Wei ZHAO (赵维), Xiang ZHAO(赵翔), Yaoqin XIE(谢耀钦), Xiaokun LIANG (梁晓坤) *	中国科学院深圳先进技术研究院	Medical Image Analysis (MIA)
75	应用	Household alternating current electricity plug-and-play quantum-dot light-emitting diodes	家用交流电即插即用量子点发光二极管	Jiming WANG (王基铭), Cuixia YUAN (袁翠霞), Shuming CHEN (陈树明) *	南方科技大学	Nature Communications

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76	应用	Highly efficient octave-spanning long-wavelength infrared generation with a 74% quantum efficiency in a $\chi(2)$ waveguide	基于 $\chi(2)$ 波导的量子效率高达74%的宽波段红外飞秒激光	Bo Hu (胡波)#, Xuemei Yang (杨雪梅)#, Jianggen Wu (吴建根)#, Siyi Lu (陆思宜), Hang Yang (杨航), Zhe Long (龙哲), Linzhen He (何林桢), Xing Luo (罗星), Kan Tian (田阡), Weizhe Wang (王卫哲), Yang Li (李阳), Han Wu (吴函)*, Wenlong Li (李文龙), Chunyu Guo (郭春雨), Huan Yang (杨焕)*, Qijie Wang (王启杰), Houkun Liang (梁厚昆)*	深圳技术大学	Nature Communications
77	应用	'Origins of High Air Sensitivity and Treatment Strategies in O3-Type NaMn1/3 Fe1/3Ni1/3O2	O3型NaMn1/3 Fe1/3Ni1/3O2高空气敏感性的起源和改善策略	Xian-Qi Xu (许贤祺) #, Jun-Yan Chen (陈隽彦) #, Yao Jiang (蒋耀) #, Bo Xu (徐波), Xin-Lu Li (李新禄)*, Chu-Ying Ouyang* (欧阳楚英), Jia-Xin Zheng (郑家新)*	北京大学深圳研究生院	Journal of the American Chemical Society
78	应用	Biocompatible Acellular Dermal Matrix-Based Neuromorphic Device with Ultralow Voltage, Ion Channel Emulation, and Synaptic Forgetting Visualization Computation	具有离子通道模拟和遗忘可视化计算功能的超低电压生物相容性细胞外基质的神经形态器件	Lei Li (李蕾), Yihua Xu (许艺铎), Qunkai Peng (彭群凯), Pei Huang (黄培), Xinqing Duan (段新晴), Mingqiang Wang (王铭强), Yu Jiang (蒋煜), Jie Wang (王洁), Srinivasan Periasamy (斯里尼瓦桑), Dar-Jen Hsieh (谢达仁), Kuan-Chang Chang (张冠张)	北京大学深圳研究生院	ACS Nano
79	应用	Fast Electrodeposition of MXene/PDA Composites for High-Performance Bioelectronic Interfaces: An In Vitro Evaluation	快速电沉积MXene/PDA复合材料用于高性能生物电子界面: 体外评价	Qi ZENG(曾齐), Chenyang XING(邢晨阳), Zhen XU(徐臻), Qing LIU(刘青), Liangtao YANG(杨良滔), Hui YANG(杨慧), Yi ZHANG(张翊)* and Zhengchun PENG(彭争春)*	深圳大学	国际期刊: Advanced Functional Materials
80	应用	Conformal and conductive biofilm-bridged artificial Z-scheme system for visible light-driven overall water splitting	保形导电生物膜桥接人工Z型方案系统, 用于可见光驱动的整体水分解	Xinyu Wang (王新宇)#, Boyang Zhang (张博杨)#, Jicong Zhang (张继聪), Xiaoyu Jiang (蒋晓宇), Kaiwei Liu (刘铠玮), Haifeng Wang (王海峰), Xinyi Yuan (袁欣怡), Haiyi Xu (徐海译), Yijun Zheng (郑宜君)*, Guijun Ma (马贵军)*, Chao Zhong (钟超)*	中国科学院深圳先进技术研究院	Science Advances
81	应用	Ternary Rotational Polyanion Coupling Enables Fast Li Ion Dynamics in Tetrafluoroborate Ion Doped Antiperovskite Li2OHCl Solid Electrolyte	三元旋转多阴离子耦合促进四氟硼酸根掺杂的反钙钛矿Li2OHCl固体电解质中的锂离子快速传输学	Juncao BIAN (卞均操)*, Sifan LING (凌思帆), Bei DENG (邓贝)*, Haibin LIN (林海斌), Ruo ZHAO (赵若), Long KONG (孔龙), Huimin YUAN (袁惠敏), Jinlong ZHU (朱金龙), Songbai HAN (韩松柏), Liping WANG (王李平), Rui-Qin ZHANG (张瑞勤), Yusheng ZHAO (赵予生)*, Zhouguang LIU (周周广)*	深圳北理莫斯科大学	Angewandte Chemie International Edition
82	应用	Evaluation of amino acid L-leucine as a kinetic promoter for CO2 sequestration as hydrate: A kinetic and morphological study	L-亮氨酸作为水合物CO2封存动力学促进剂的评价: 动力学和形态学研究	Yan Li (李艳)#, Zhenyuan Yin (殷振元)*, Hongfeng Lu (陆红锋), Chenlu Xu (许辰璐), Xuejian Liu (刘学健), Hailin Huang (黄海林), Daoyi Chen (陈道毅), Praveen Linga (普拉文 林加)	清华大学深圳国际研究生院	Journal of Environmental Chemical Engineering

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83	应用	Oif-net: An optical flow registration-based pet/mr cross-modal interactive fusion network for low-count brain pet image denoising	基于光流配准的PET/MR跨模态交互融合网络用于低计数脑部PET图像去噪	Minghan FU (付明翰), Na ZHANG (张娜)#, Zhenxing HUANG (黄振兴), Chao ZHOU (周超), Xu ZHANG (张旭), Jianmin YUAN (袁健闵), Qiang HE (贺强), Yongfeng YANG (杨永峰), Hairong ZHENG (郑海荣), Dong LIANG (梁栋), Fang-Xiang WU (吴方向), Wei FAN (樊卫), Zhanli HU (胡战利)*	中国科学院深圳先进技术研究院	IEEE TRANSACTIONS ON MEDICAL IMAGING
84	应用	Theoretical modeling of contact-separation mode triboelectric nanogenerators from initial charge distribution	基于初始电荷分布的接触分离模式摩擦纳米发电机理论建模	Hongfa ZHAO (赵洪发), Hao WANG (王昊)#, Hongyong YU (于洪勇), Qinghao XU (徐庆昊), Xiaosa LI (李潇洒), Jing GUO (郭竟), Jiajia SHAO (邵佳佳), Zhong Lin WANG (王中林)*, Minvi XU (徐敏义)* and Wenbo DING (丁文伯)*	清华伯克利深圳学院深圳国际研究生院	Energy & Environmental Science
85	应用	Deep learning-based dynamic PET parametric Ki image generation from lung static PET	基于深度学习从肺部的静态PET生成动态PET参数Ki图像	Haiyan Wang (王海燕)#, Yaping Wu (吴亚平)#, Zhenxing Huang (黄振兴), Zhicheng Li (李志成), Na Zhang (张娜), Fangfang Fu (付芳芳), Nan Meng (孟楠), Haining Wang (王海宁), Yun Zhou (周云), Yongfeng Yang (杨永峰), Xin Liu (刘新), Dong Liang (梁栋), Hairong Zheng (郑海荣), Greta S. P. Mok (莫昇萍), Meiyun Wang (王梅云)*, Zhanli Hu (胡战利)*	中国科学院深圳先进技术研究院	European Radiology
86	基础	Global burden of type 1 diabetes in adults aged 65 years and older, 1990-2019: population based study	全球65岁以上人群中的1型糖尿病1990-2019年间负担: 一项基于人群的研究	Kaijie Yang (杨凯捷), Xue Yang (杨薛), Chenye Jin (金辰烨), Shuangning Ding (丁双宁), Tingting Liu (刘婷婷), Bing Ma (马冰), Hao Sun (孙皓), Jing Zhang (张晶)*, Yongze Li (李咏泽)*	深圳大学	BMJ-British Medical Journal
87	基础	Resolved magnetohydrodynamic wave lensing in the solar corona	时空可分辨的太阳日冕磁流体动力学波透镜效应	Xinping Zhou (周新平), Yuandeng Shen (申远灯)*, Ding Yuan (袁丁)*, Rony Keppens, Xiaozhou Zhao (赵小舟), Libo Fu (付立博), Zehao Tang (汤泽浩), Jiaoyang Wang (王骄阳), Chengrui Zhou (周承瑞)	哈尔滨工业大学(深圳)	Nature Communication
88	基础	Tracing the electron transport behavior in quantum-dot light-emitting diodes via single photon counting technique	通过单光子计数技术追踪量子点发光二极管中的电子输运行为	Qiang SU (苏强), Zinan CHEN (陈子楠), Shuming CHEN (陈树明)*	南方科技大学	Nature Communications
89	基础	Thermo-responsive aqueous two-phase system for two-level compartmentalization	温敏性双水相系统的二级腔室化	Huanqing Cui (崔欢庆), Yage Zhang (张雅各)#, Sihan Liu (刘思涵), Yang Cao (曹杨), Qingming Ma (马庆明), Yuan Liu (刘嫒), Haisong Lin (林海松), Chang Li (李畅), Yang Xiao (肖杨), Sammer Ul Hassan (萨默尔·乌尔·哈桑) & Ho Cheung Shum (岑浩璋)*	深圳大学	Nature Communications

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90	基础	Efficacy of Voluntary Medical Male Circumcision to Prevent HIV Infection Among Men Who Have Sex With Men : A Randomized Controlled Trial	自愿医学男性包皮环切术预防男男性行为者 HIV 感染的效果: 一项随机对照试验	Tanxiao Gao(高延晓)#, Yuewei Zhan(詹雷伟)#, Yinghui Sun(孙英慧)#, Weiran Zheng(郑蔚然), Weijie Zhang(张伟杰), Leiwen Fu(付雷雯), Zhihui Guo(郭智慧), Yi-Fan Lin(林逸凡), Yuwei Li (李雨薇), Lingling Zheng(郑玲玲), Yiqiang Zhan(战义强), Zhiqiang Zhu(朱志强), Junyi Duan(段君义), Guanghui Zhang(张光辉), Tao Huang(黄涛), Bin Su(粟斌), Maohe Yu(于茂河), Guohui Wu(吴国辉), Lin Ouyang(欧阳琳), Jin Zhao(赵锦), Guanghui Wang(王光辉), Yepeng Zhou(周业鹏), Han-Zhu Qian(钱汉竹), Thomas Fitzpatrick, Sten H Vermund, Huachun Zou(邹化春)*	中国科学院深圳先进技术研究院, 中山大学(深圳)	Annals of internal medicine
91	基础	Selective Protein of Interest Degradation through the Split-and-Mix Liposome Proteolysis Targeting Chimera Approach	通过分而后合的脂质体蛋白靶向嵌合体技术选择性降解目标蛋白	'Chunli Song (宋春丽) #; Zijun Jiao (焦资君) #; Zhanfeng Hou (侯占峰) #; Rui Wang (王蕊); Chenshan Lian (廉晨珊); Yun Xing (邢韵); Qinhong Luo (罗钦红); Yuhao An (安禹豪); Fenfang Yang (阳芬芳); Yuechen Wang (王玥琛); Xinrui Sha (沙鑫蕊); Zhijun Ruan (阮志军); Yuxin Ye (叶宇鑫); Zhihong Liu (刘志宏); Zigang Li (李子刚) *; Feng Yin (尹丰) *	北京大学深圳研究生院	Journal of the American Chemical Society
92	基础	Ultrahigh-Q Metasurface Transparency Band Induced by Collective-Collective Coupling	集体共振-集体共振耦合诱发的超高品质因子超表面透明窗口	Xueqian Zhao (赵学骞), Rixing Huang (黄日兴), Xiang Du (杜响), Zhenrong Zhang (张振荣), Guangyuan Li (李光元) *	中国科学院深圳先进技术研究院	'Nano Letters
93	基础	Alkali-Ion Intercalation Chemistry and Phase Evolution of Sn4P3	Sn4P3的碱金属离子插层化学与相变演化	Shuting Sun(孙淑婷), Chen Liu(刘晨), Jianquan Liang(梁建权), Wenhui Wang(王文辉)*, Ruhong Li(李如宏)*, Li Zhao(赵力), Changsong Dai(戴长松)*	哈尔滨工业大学(深圳)	ACS Nano
94	基础	Electron-Induced Degradation in Blue Quantum-Dot Light-Emitting Diodes	电子诱导蓝光量子点发光二极管衰减机制	Peili Gao (高佩丽), Zinan Chen (陈子楠) #, Shuming Chen (陈树明) *	南方科技大学	Advanced Materials
95	基础	Confining hollow ZnSe/NiSe microspheres in freestanding carbon nanofibers for flexible potassium-ion batteries	自支撑碳纤维限域空心 ZnSe/NiSe微球助力柔性钾离子电池	Bo Yan (颜波), Hao Sun (孙浩), Xueping Liu (刘学平), Xinyuan Fu (傅心远), Changqing Xu (徐昌晴), Tiantian Zhang (张甜甜), Huachao Tao (陶华超), Lulu Zhang (张露露), Xifei Li (李喜飞), Xuelin Yang (杨学林)*, Renheno Wang (王任衡)*	深圳大学	Energy & Environmental Science
96	基础	Built-In Trimodal Molecular Interaction Effect Enables Interface-Compatible and Temperature-Tolerance Aqueous Zinc Batteries	内置三模态分子相互作用效应实现界面兼容的宽温水系锌离子电池	Qiuting Chen (陈秋婷), Kefeng Ouyang (欧阳珂丰), Yanyi Wang (王艳宜), Minfeng Chen (陈敏峰), Hongwei Mi (米宏伟), Jizhang Chen (陈继章), Chuanxin He (何传新), Hui Li (李辉), * Dingtao Ma (马定涛) * and Peixin Zhang (张培新) *	深圳大学	Advanced Functional Materials

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97	基础	Burden of noncommunicable diseases among children and adolescents aged 10–24 years in China,1990–2019: A population-based study	中国儿童及青少年慢性非传染性疾病负担1990-2012变化趋势研究：一项基于人群的研究	Jing Zhang (张晶)#, Chenyan Shi (史琛彦)#, Zhen Liang (梁臻)#, Chenye Jin (金辰烨)#, Lei Wang (王雷), Ying Zhong (钟颖), Yongze Li (李咏泽)*	深圳大学	Cell Reports Medicine
98	基础	In situ coupling metallophilic Zn sites and interfacial LiCl stabilizer to achieve one-step reversible hydrogen storage in Li/Na dual-cation borohydride	原位耦合亲金属Zn位点和界面LiCl稳定剂实现Li/Na双阳离子硼氢化物一步可逆储氢	Shun Wang (王舜)*, Shanqing Qu (曲珊青)#, Zihua Liu (刘子华), Yongyang Zhu (朱用洋)*, Zhenglong Li (李政隆), Huifeng Liu (刘慧峰), Mingxia Gao (高明霞)*, Hongge Pan (潘洪革)	深圳北理莫斯科大学	'Chemical Engineering Journal
99	基础	A Self-Assembled Hybrid Electrode with Efficient Tandem Electrochemistry for Dissolution-Shielding, Ultrafast-Charging, and Record-Lifespan Zinc-Ion Batteries	一种具有高效串联电化学的自组装混合电极，用于溶解屏蔽、超快速充电和创纪录寿命的锌离子电池	Ming Yang(杨明), Minfeng Chen(陈敏峰), Mengnan Lai(来梦楠), Hongli Chen (陈虹莉), Yanyi Wang (王艳宜), Jianhui Zhu (朱建辉), Dingtao Ma (马定涛)*, Lingna Sun (孙灵娜), Hongwei Mi (米宏伟), Chuanxin He (何传新), Jizhang Chen (陈继章)*, and Peixin Zhang (张培新)*	深圳大学	Advanced Functional Materials
100	基础	High-Q and Strong Chiroptical Responses in Planar Metasurfaces Empowered by Mie Surface Lattice Resonances	基于米氏表面晶格共振的高品质因子和强手性超表面	Xiaoqing Luo (罗小青), Xiang Du (杜响), Rixing Huang (黄日兴), Guangyuan Li (李光元)*	中国科学院深圳先进技术研究院	Laser&Photonics Reviews