

应用表面与胶体化学教育部重点实验室2023年度发表的科研论文

序号	文章题目	期刊	年、卷、期、页	作者	收录类别
1	Fabricating 3D Moisture-and Nir Light-Responsive Actuators by a One-Step Gradient Stress-Relaxation Process	ACS Applied Materials & Interfaces	2023, 15(34), 40991-40999	Hu, Ling; Jiang, Jinqiang; Liu, Zhao-Tie; Liu, Zhong-Wen ; Li, Guo	SCI(二)区
2	A Bioinspired Skin Uv Filter with Broadband Uv Protection, Photostability, and Resistance to Oxidative Damage	ACS Applied Materials & Interfaces	2023, 15(8), 10383-10397	<i>Li, Nini ; Ji, Xiaohong ;</i> Mukherjee, Somnath; Yang, Bing; Ren, Yuqing; Wang, Changhao; Chen, Yashao	SCI(二)区
3	Modified Viologen-and Carbonylpyridinium-Based Electrodes for Organic Batteries	ACS Applied Materials & Interfaces	DIO:10.1021/acsami.3c09856	He, Xiaoming ; Chen, Ling; Baumgartner, Thomas	SCI(二)区
4	Atomically Dispersed Fe-N ₄ Sites and Nife-Ldh Sub-Nanoclusters as an Excellent Air Cathode for Rechargeable Zinc-Air Batteries	ACS Applied Materials & Interfaces	2023, 1513, 16732-16743	Wang, Yuyang; Gao, Yaping; Ma, Lixia; Xue, Yanzhong; Liu, Zong-Huai ; Cui, Huali; Zhang, Nan; Jiang, Ruibin	SCI(二)区
5	Control of n-Phase Distribution in Quasi Two-Dimensional Perovskite for Efficient Blue Light-Emitting Diodes	ACS Applied Materials & Interfaces	2023, 15(7), 9574-9583	Li, Huixin; Hu, Siliang; Wang, Hongyue; Zhang, Xiuhai; tong, Yu; Qi, Heng; Guo, Pengfei; Zhao, Guanguan; Gao, Jialiang; Liu, Peng; Zang, Jianyang; Hao, Hongxing; Liu, Taihong; Bian, Hongtao ; Zhang, Youqian; Wei, Yang; Guo, Yangyang; Zhang, Lei; Fang, Yu; Wang, Hongqiang	SCI(二)区
6	Amyloid-Mediated Nanoarchitectonics with Biomimetic Mineralization of Polyetheretherketone for Enhanced Osseointegration	ACS Applied Materials & Interfaces	2023, 15(8), 10426-10440	Gao, Yingtao; Pang, Yanyun; Wei, Shuo; Han, Qian; Miao, Shuting; Li, Min; Tian, Juanhua; Fu, Chengyu; Wang, Zhengge; Zhang, Xu; Yang, Peng ; Liu, Yongchun	SCI(二)区

7	In-Plane anisotropic Rectification and Photovoltaic Effects on ZnO Nonpolar (1010) Crystal Plane and the Physical Mechanism	ACS Applied Materials & Interfaces	2023, 1512, 15625-15635	Liu, Bin; Chen, Mengdi; Zhou, Yali; Yang, Heqing; Liu, Shengzhong	SCI(二)区
8	Effective Passivation of Anisotropic 2D Geas via Graphene Encapsulation for Highly Stable Near-Infrared Photodetectors	ACS Applied Materials & Interfaces	2023, 1510, 13281-13289	Zhang, Jianbin; Shang, Conghui; Dai, Xinyue; Zhang, Yao; Zhu, Tao; Zhou, Nan; Xu, Hua ; Yang, Rusen; Li, Xiaobo	SCI(二)区
9	Stretching-Induced 2D-to-3D Shape Transformation of an Elastic Composite for Sensitivity-Tailorable Soft Electronics	ACS Applied Materials & Interfaces	2023, 15, 44, 51846-51853	Xiangxi Cui, Min Dang, Jinqiang Jiang, Zhao-Tie Liu, Zhong-Wen Liu , and Guo Li	SCI(二)区
10	Hemoglobin-Promoted Growth of Polyhedral Gold Nanoparticles for the Detection of Glucose, H ₂ O ₂ , and Ascorbic Acid	ACS Applied Nano Materials	2023, 6, 4734-4746	<i>Aisha Kanwal</i> , Bassam Saif, <i>Arif Muhammad</i> , <i>Wei Liu</i> , Jiangtao Liu, Hao Ren, PengYang , and Zhongli Lei	SCI (二) 区
11	Transforming Racemic Compounds into Two New Enantioenriched Chiral Products via Intermediate Kinetic Resolution	ACS Catalysis	2023, 13, 15603-15610	<i>Jian Zhang</i> , <i>Mingyang Song</i> , WeijunTang, Dong Xue , Jianliang Xiao, Huaming Sun, and ChaoWang	SCI(一) 区
12	Synthesis of Trifluoromethyl-Substituted Allenols via Catalytic Trifluoromethylbenzoxylation of 1,3-Enynes	ACS Catalysis	2023, 13, 2142-2148	<i>Songrong Li</i> , <i>Wenwen Yang</i> , <i>Junjie Shi</i> , <i>Tingting Dan</i> , <i>Yujie Han</i> , Zhi-Chao Cao, and Mingyu Yang	SCI(一) 区
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14	Bifunctional Photoassisted Li-O ₂ Battery with Ultrahigh Rate-Cycling Performance Based on Siloxene Size	ACS Nano	2023, 17(2), 1713-1722	Jia, Congying; Zhang, Feng; Zhang, Nan; Li, Qi; He, Xuexia; Sun, Jie; Jiang, Ruibin; Lei, Zhibin ; Liu, Zong-Huai	SCI(一) 区

15	Efficient NIR-II Type-I AIE Photosensitizer for Mitochondria-Targeted Photodynamic Therapy Through Synergistic Apoptosis-Ferroptosis	ACS Nano	2023, 17(10), 9110-9125	Zhuang, Jiabao; Wang, Bing; Chen, Huan; Zhang, Keyi; Zhao, Na; Li, Nan; Tang, Ben Zhong	SCI(一) 区
16	Construction of Naphthalene Diimide Derived Nanostructured Cathodes through Self-Assembly for High-Performance Sodium-Organic Batteries	ACS Nano	2023, 17, 21432-21442	<i>Fangfang Xing , Shan Li , Ling Chen ,</i> Jing-Shuang Dang, and Xiaoming He	SCI(一) 区
17	PEDOT Nanowires Connecting Exfoliated HNb ₃ O ₈ Nanosheets as High-Rate Anode for Lithium-Ion Capacitor	ACS Sustainable Chemistry & Engineering	2023, 11, 14816-14826	<i>Yu Zhang , Zhiyuan Yu , Xianchi Zhang ,</i> Xuexia He, Qi Li, Jie Sun, Liqin Dang, Zonghuai Liu, and Zhibin Lei	SCI(一) 区
18	Tackling Pesticide Overusing through Foliar Deposition and Retention: Frontiers and Challenges	Advanced Agrochem	2023, 2, 298-305	Hao Su, Ying Liang, Aiting Gao, PengYang	SCI(四) 区
19	Room-Temperature Molten Salt-Mediated CsPbI ₃ Growth for Excellent Photovoltaic Performance	Advanced Energy Materials	2024, 14, 2303264	<i>Shuwan Zai , Ruijie Han , Wangen Zhao ,</i> Chuang Ma, <i>Wenliang Huang ,</i> and Shengzhong (Frank) Liu	SCI(一) 区
20	Accelerating Ru ⁰ /Ru ⁴⁺ Adjacent Dual Sites Construction by Copper Switch for Efficient Alkaline Hydrogen Evolution	Advanced Energy Materials	2023, 13, 2302668	<i>Wenshan Xi , Lujie Jin , Asif Mahmood , Weikai Zhang ,</i> Youyong Li, Hui Li, Pengfei An, Jing Zhang, Tianyi Ma, Shengzhong (Frank) Liu, and Junqing Yan	SCI(一) 区
21	Interface Modification by Ammonium Sulfamate for High-Efficiency and Stable Perovskite Solar Cells	Advanced Energy Materials	2023, 13, 2302103	<i>Yang Cao , Jiangshan Feng, Mingzi Wang, Nan Yan ,</i> Junjie Lou, <i>Xiaolong Feng ,</i> Fengwei Xiao, Yucheng Liu, <i>Danyang Qi , Yin Yuan , Xuejie Zhu ,</i> and Shengzhong (Frank) Liu	SCI(一) 区

22	5-Chloro-2-Hydroxypyridine Derivatives with Push-Pull Electron Structure Enable Durable and Efficient Perovskite Solar Cells	Advanced Energy Materials	2023, 13, 2301302	Can Zheng , Lidan Liu , Yong Li , Ang Gao , Zhou Yang, Lu Zhang, Zhike Liu , Dapeng Wang, and Shengzhong (Frank) Liu	SCI(一) ☒
23	A One-Pot Three-in-One Synthetic Strategy to Immobilize Cobalt Corroles on Carbon Nanotubes for Oxygen Electrocatalysis	Advanced Functional Materials	2024, 34, 2310820	Xialiang Li, Haonan Qin, Jinxiu Han , Xiaotong Jin , Yuhan Xu , Shujiao Yang , Wei Zhang , and Rui Cao	SCI(一) ☒
24	Cationic Conjugated Microporous Polymers Coating for Dual-Modal Antimicrobial Inactivation with Self-Sterilization and Reusability Functions	Advanced Functional Materials	2023, 33, 2213440	Yuze Wang , Qiong Yuan , Meiqi Li , and Yanli Tang	SCI(一) ☒
25	Robust Synthesis of Large-Area PtSe ₂ Microbelts by Step-Induced Separation Growth on Au(001) Substrate for the Hydrogen Evolution Reaction	Advanced Functional Materials	2023, 2312165	Si Meng , Yang Yang , Xinyue Dai, Yue Tang , Mengfei He , Yiru Gu , Ruibin Jiang, Feng Ding, and Hua Xu	SCI(一) ☒
26	21.41%-Efficiency CsPbI ₃ Perovskite Solar Cells Enabled by an Effective Redox Strategy with 4-Fluorobenzothiohydrazide in Precursor Solution	Advanced Functional Materials	2023, 2312638	Yuwei Duan, Jungang Wang , Dongfang Xu , Peigen Ji , Hui Zhou , Yong Li , Shaoming Yang , Zhuang Xie , Xiaohu Hai , Xuruo Lei , Rui Sun , Zihao Fan , Ke Zhang , Shengzhong Liu , and Zhike Liu	SCI(一) ☒
27	Au Nanocrystals Modified Holey PtTeAu Metallene Heteronanostructures for Plasmon-Enhanced Nitrate Electroreduction	Advanced Functional Materials	2023, 2310730	Qing-Ling Hong, Bin Sun, Xuan Ai, Xin-Long Tian, Fu-Min Li, and Yu Chen	SCI(一) ☒
28	Optimization of Lactoferrin-Derived Amyloid Coating for Enhancing Soft Tissue Seal and Antibacterial Activity of Titanium Implants	Advanced Healthcare Materials	2023, 12, 2203086	Wang, Wan-rong; Li, Jing; Gu, Jun-ting; Hu, Bo-wen; Qin, Wen; Zhu, Yi-na; Guo, Zhen-xing; Ma, Yu-Xuan; Tay, Franklin; Jiao, Kai; Niu, Lina	SCI(二) ☒

29	Protein/Polysaccharide Composite toward Multi-in-One Toxin Removal in Blood with Self-Anticoagulation and Biocompatibility	Advanced Healthcare Materials	2023, 12, 2300999	Li, Mengjie; Chen, Mengmeng; Yang, Facui; Qin, Rongrong; Yang, Qingmin; Ren, Hao; Liu, Han; Yang, Peng	SCI(二)区
30	Bioactive Conjugated Polymer-Based Biodegradable 3DBionic Scaffolds for Facilitating Bone Defect Repair	Advanced Healthcare Materials	2023, 2302818	<i>Qiong Yuan , Benkai Bao , Meiqi Li , Ling Li , Xinyi Zhang , and Yanli Tang</i>	SCI(二)区
31	Enhancing Bioavailability of Fertilizer Through an Amyloid-Like Protein Coating	Advanced Materials	2023, 35, 202300829	<i>Su, Hao ; Zhang, Yujia; Liu, Yongchun; Lu, Runqiu; Gao, aiting; Han, Qian ; Wen, Bin; Hu, Bowen; Yang, Peng</i>	SCI(一) 区
32	25.24%-Efficiency FACsPbI ₃ Perovskite Solar Cells Enabled by Intermolecular Esterification Reaction of DI-Carnitine Hydrochloride	Advanced Materials	2023, 35, 221154	Yang, Lu; Zhou, Hui; Duan, Yuwei; Wu, Meizi; He, Kun; Li, Yong; Xu, Dongfang; Zou, Hong; Yang, Shaoming; Fang, Zhimin; Liu, Shengzhong; Liu, Zhike	SCI(一) 区
33	21.15%-Efficiency and Stable Gamma-CsPbI ₃ Perovskite Solar Cells Enabled By an Acyloin Ligand	Advanced Materials	2023, 35, 2210223	Wang, Jungang; Che, Yuhang; Duan, Yuwei; Liu, Zhike ; Yang, Shaomin; Xu, Dongfang; Fang, Zhimin; Lei, Xuruo; Li, Yong; Liu, Shengzhong (Frank)	SCI(一) 区
34	Highest-Efficiency Flexible Perovskite Solar Module by Interface Engineering for Efficient Charge-Transfer	Advanced Materials	2023, 35, 230248	Yang, Dong; Yang, Ruixia; Zhang, Cong; Ye, Tao; Wang, Kai; Hou, Yuchen; Zheng, Luyao; Priya, Shashank; Liu, Shengzhong (Frank)	SCI(一) 区
35	Y-Type Non-Fullerene Acceptors with Outer Branched Side Chains and Inner Cyclohexane Side Chains for 19.36% Efficiency Polymer Solar Cells	Advanced Materials	2023, 35, 2210760	Deng, Min; Xu, Xiaopeng; Duan, Yuwei; Yu, Liyang; Li, Ruipeng; Peng, Qiang	SCI(一) 区

36	Surface Restructuring of Zeolite-Encapsulated Halide Perovskite to Activate Lattice Oxygen Oxidation for Water Electrolysis	Advanced Materials	2023, 35, 230116	Ren, Xiangrong; Zhai, Yiyue; Wang, Peijun; Xu, Zhuo; Gao, Shiqin; Chen, Xiao; Gu, Qinfen; Wang, Bolun; Li, Jiyang; Liu, Shengzhong (Frank)	SCI(一) ☒
37	Interface Modification for Efficient and Stable Inverted Inorganic Perovskite Solar Cells	Advanced Materials	2023, 35, 2303346	Xu, Tianfei; Xiang, Wanchun; Yang, Junjie; Kubicki, Dominik J. J.; Tress, Wolfgang; Chen, Tao; Fang, Zhimin; Liu, Yali; Liu, Shengzhong	SCI(一) ☒
38	Tailored Cysteine-Derived Molecular Structures toward Efficient and Stable Inorganic Perovskite Solar Cells	Advanced Materials	2023, 35, 2301140	Zhang, Hao; Tian, Qingwen; Xiang, Wanchun; Du, Yachao; Wang, Zhiteng; Liu, Yali; Liu, Lidan; Yang, Tengting; Wu, Haifeng; Nie, Ting; Huang, Wenliang; Najar, adel; Liu, Shengzhong (Frank)	SCI(一) ☒
39	Interlayer-Spacing Engineering of Lead-Free Perovskite Single Crystal for High-Performance X-Ray Imaging	Advanced Materials	2023, 35, 2211977	Chen, Ming; Dong, Xiaofeng; Chu, Depeng; Jia, Binxia; Zhang, Xiaojie; Zhao, Zeqin; Hao, Jinglu; Zhang, Yunxia; Feng, Jiangshan; Ren, Xiaodong; Liang, Yuqian; Shi, Ruixin; Najar, adel; Liu, Yucheng; Liu, Shengzhong (Frank)	SCI(一) ☒
40	A 0D additive for Flexible all-Inorganic Perovskite Solar Cells to Go Beyond 60 000 Flexible Cycles	Advanced Materials	2023, 35, 2300302	Liu, Huijing; Han, Huifang; Xu, Jia; Pan, Xu; Zhao, Kui; Liu, Shengzhong (Frank) ; Yao, Jianxi	SCI(一) ☒
41	Molecular Engineering of Plasma Membrane and Mitochondria Dual-Targeted NIR-II AIE Photosensitizer Evoking Synergetic Pyroptosis and Apoptosis	Advanced Materials	2024, 36, 2309488	Jiabao Zhuang, Zhedong Ma, Nan Li, Huan Chen, Lijin Yang, Ying Lu, Keyi Guo, Na Zhao, and Ben Zhong Tang	SCI(一) ☒
42	Understanding Microstructural Development of Perovskite Crystallization for High Performance Solar Cells	Advanced Materials	2023, 35, 2306947	<i>Yabin Ma , Xinyi Du ,</i> Ran Chen, Lu Zhang, Zhongwei An, Alex K.-Y. Jen, Jiaxue You, and Shengzhong (Frank) Liu	SCI(一) ☒

43	Au Nanocluster Assisted Microstructural Reconstruction for Buried Interface Healing for Enhanced Perovskite Solar Cell Performance	Advanced Materials	2023, 2310651	<i>Kun Li</i> , Lu Zhang, <i>Yabin Ma</i> , Yajun Gao, <i>Xiaolong Feng</i> , Qiang Li, Li Shang, Ningyi Yuan, Jianning Ding, Alex K. Y. Jen, Jiaxue You, and Shengzhong (Frank) Li	SCI(一)区
44	Heterointerface Design of Perovskite Single Crystals for High-Performance X-ray Imaging	Advanced Materials	2024, 36, 2305513	<i>Xiaojie Zhang</i> , <i>Depeng Chu</i> , <i>Binxia Jia</i> , <i>Zeqin Zhao</i> , <i>Jiacheng Pi</i> , Zhou Yang , <i>Yaohui Li</i> , <i>Jinglu Hao</i> , <i>Ruixin Shi</i> , <i>Xiaofeng Dong</i> , <i>Yuqian Liang</i> , Jiangshan Feng, Adel Najar, Yucheng Liu and Shengzhong (Frank) Liu	SCI(一)区
45	Crystallization Control Based on the Regulation of Solvent-Perovskite Coordination for High-performance Ambient Printable FAPbI ₃ Perovskite Solar Cells	Advanced Materials	2023, 2307583	Yachao Du, Qingwen Tian, Shiqiang Wang, Lei Yin, Chuang Ma, Zhiteng Wang, Lei Lang, Yingguo Yang, Kui Zhao , and Shengzhong (Frank) Liu	SCI(一)区
46	Stabilizing Precursor Solution and Controlling Crystallization Kinetics Simultaneously for High-Performance Perovskite Solar Cells	Advanced Materials	2023, 35, 2304809	<i>Nan Wu</i> , <i>Tinghuan Yang</i> , <i>Zhichao Wang</i> , <i>Yin Wu</i> , <i>Yajie Wang</i> , Chuang Ma, <i>Haojin Li</i> , <i>Yachao Du</i> , <i>Di Zhao</i> , <i>Shuang Wang</i> , <i>Pengchi Liu</i> , <i>Wenliang Huang</i> , Xiaodong Ren, Shengzhong (Frank) Liu , and Kui Zhao	SCI(一)区
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50	Transparent 0D Antimony Halides Glassy Wafer with Near-Unity Photoluminescence Quantum Yield for High Spatial Resolution X-Ray Imaging	Advanced Optical Materials	2024, 12, 2301477	<i>Ziwei Xu , Nan Li , Xiangyang Yan, Xi Wang , Tong He, Zhou Yang, and Shengzhong(Frank) Liu</i>	SCI(二)区
51	Polymer Boosts High Performance Perovskite Solar Cells: A Review	Advanced Optical Materials	2023, 2301623	<i>Yabin Ma , Jinghao Ge , Alex K.-Y. Jen, Jiaxue You, and Shengzhong (Frank) Liu</i>	SCI(二)区
52	Size-Controlled Boron-Based Bifunctional Photocathodes for High-Efficiency Photo-assisted Li-O ₂ Batteries	Advanced Science	2023, 10, 2301682	<i>Li, Ling; Ma, Fuquan; Jia, Congying; Li, Qi; He, Xuexia; Sun, Jie; Jiang, Ruibin; Lei, Zhibin; Liu, Zong-Huai</i>	SCI(一) 区
53	Conjugated Polymer Composite Nanoparticles Augmenting Photosynthesis-Based Light-Triggered Hydrogel Promotes Chronic Wound Healing	Advanced Science	2024, 11, 2304048	<i>Qiong Yuan , Jia Yin , Ling Li , Benkai Bao , Xinyi Zhang , Meiqi L i, and Yanli Tang</i>	SCI(一) 区
54	Wide Temperature All-Solid-State Ti ₃ C ₂ Tx Quantum Dots/L-Ti ₃ C ₂ Tx Fiber Supercapacitor with High Capacitance and Excellent Flexibility	Advanced Science	2023, 11, 2305991	<i>Juan He , Fuquan Ma , Wenpu Xu , Xuexia He, Qi Li, Jie Sun, Ruibin Jiang, Zhibin Lei, and Zong-Huai Liu</i>	SCI(一) 区
55	Origin and Mechanism of Piezoelectric and Photovoltaic Effects in (111) Polar Orientated NiO Films	Advanced Science	2023, 10, 2304637	<i>Nana Fan , Yingfei Wang , Bin Liu, Heqing Yang, and Shengzhong Liu</i>	SCI(一) 区

56	Synthesis of 2-Aminopyrrolo[1,2-b]pyridazines via Gold(I)-Catalyzed Chemoselective Hydroamination/Hydroarylation Cascade of 1,3-Diynamides with 1-Aminopyrroles	Advanced Synthesis & Catalysis	2023, 365, 1088-1092	Junying Wang, Jianghui Du, and Tao Wang	SCI(二)区
57	Advances in Optical Counting and Imaging of Micro/Nano Single Entity Reactors for Biomolecular Analysis	Analytical and Bioanalytical Chemistry	2023, 415, 97-117	Wenjiao Fan, Wei Ren, Chenghui Liu	SCI(二)区
58	Peroxidase-Mimicking DNazymes as Receptors for Label-Free Discriminating Heavy Metal Ions By Chemiluminescence Sensor arrays	Analytical Chemistry	2023, 95(6), 3486-3492	<i>Wu, Mengmeng ; Yang, Bing ; Shi, Lu ; Tang, Qiaorong ; Wang, Jing ;</i> Liu, Wei; Li, Baoxin; Jin, Yan	SCI(一) 区
59	Uncovering Origin of Chirality of Gold Nanoparticles Prepared Through the Conventional Citrate Reduction Method	Analytical Chemistry	2023, 95(14), 6107-6114	<i>Zhang, Guiping ;</i> Liu, Qingyuan; Xu, Chunli; Li, Baoxin	SCI(一) 区
60	Imine Bond-Based Fluorescent Nanofilms toward High-Performance Detection and Efficient Removal of HCl and NH ₃	Analytical Chemistry	2023, 95, 2094-2101	<i>Li, Min ; Tang, Jiaqi ;</i> Luo, Yan; <i>Yang, Jinglun ;</i> Liu, Jianfei; Peng, Junxia; Fang, Yu	SCI(一) 区
61	Regulating the Trans-Cleavage activity of CRISPR/Cas12a by Using an Elongation-Caged Single-Stranded DNA Activator and the Biosensing Applications	Analytical Chemistry	2023, 95, 12169-12176	Fei, Xinrui; Lei, Chao; Ren, Wei; Liu, Xiaoling; Liu, Chenghui	SCI(一) 区
62	Logic-Gates of Gas Pressure for Portable, Intelligent and Multiple analysis of Metal Ions	Analytical Chemistry	2023, 95, 5702-5709	Shi, Lu; Tang, Qiaorong; Yang, Bing; Yang, Chaoyong; Jin, Yan; Liu, Wei; Li, Baoxin	SCI(一) 区
63	Dual-Mode Logic Gate for Intelligent and Portable Detection of Microrna Based on Gas Pressure and Lateral Flow Assay	Analytical Chemistry	2023, 95, 6090-6097	Shi, Lu; Tang, Qiaorong; Yang, Bing; Liu, Wei; Li, Baoxin; Yang, Chaoyong; Jin, Yan	SCI(一) 区

64	Surface Oxygen Vacancy-Rich Co ₃ O ₄ Nanowires as an Effective Catalyst of Luminol-H ₂ O ₂ Chemiluminescence for Sensitive Immunoassay	Analytical Chemistry	2023, 95, 17937-17944	Jing Lei , Ling Zhang , Mei Li , Wei Liu, Yan Jin , and Baoxin Li	SCI(一) ☒
65	Carbon Vacancy-Enhanced Activity of Fe-N-C Single Atom Catalysts toward Luminol Chemiluminescence in the Absence of H ₂ O ₂	Analytical Chemistry	2023, 95, 16021-16028	Feng Li , Lin Hou , Wei Liu, Yan Jin , Jiangbo Lu, and Baoxin Li	SCI(一) ☒
66	Digital-like Enzyme Inhibition Mechanism-Based Strategy for the Digital Sensing of Heparin-Specific Biomarkers	Analytical Chemistry	2023, 95, 13690-13697	Wenjiao Fan, Wei Ren , Dailu Jia , Jingjing Shi , and Chenghui Liu	SCI(一) ☒
67	Fast and Selective Luminescent Sensing by Langmuir-Schaeffer Films Based on Controlled Assembly of Perylene Bisimide Modified with A Cyclometalated AuIII Complex	Angewandte Chemie International Edition	2023, e202314996	Jing Zhang , Zhiwei Shi , Ke Liu, Qiyuan Shi , Liang Yi , Junjie Wang , Lingya Peng, Taihong Liu, Miao Ma, and Yu Fang	SCI(一) ☒
68	Werner Salt as Nickel and Ammonia Source for Photochemical Synthesis of Primary Aryl Amines	Angewandte Chemie International Edition	2024, 63, e202314355	Geyang Song, Jiameng Song , Qi Li , Ding-Zhan Nong , Jianyang Dong, Gang Li, Juan Fan, ChaoWang , Jianliang Xiao, and Dong Xue	SCI(一) ☒
69	pH-Responsive Protein Conformation Transistor	Angewandte Chemie International Edition	2024, 63, e202310879	Fei Tao, Qian Han , Miaoran Deng , Shuting Miao , and Peng Yang	SCI(一) ☒
70	β-Arylation of Racemic Secondary Benzylic Alcohols to Access Enantioenriched β-Arylated Alcohols	Angewandte Chemie International Edition	2023, 62, e202306015	Wang Miao , Jinyu Zhang , Yanyan Yang , Weijun Tang, Dong Xue, Jianliang Xiao, Huaming Sun, and Chao Wang	SCI(一) ☒

71	Crystallization Regulation by Self-Assembling Liquid Crystal Template Enables Efficient and Stable Perovskite Solar Cells	Angewandte Chemie International Edition	2023, 62, e202313472	<i>Meizi Wu , Hongyan Wang , Yong Li ,</i> Ran Chen, <i>Hui Zhou , Shaomin Yang , Dongfang Xu , Kun Li ,</i> Zhongwei An, Shengzhong (Frank) Liu, and Zhike Liu	SCI(一) ☒
72	Total Synthesis of Metaphanine and Oxoepestephamsine	Angewandte Chemie-International Edition	2023, 62, e202310917	Sun, Ya-Kui; Qiao, Jin-Bao; Xin, Yu-Meng; Zhou, Qin; Ma, Zhi-Hua; Shao, Hui; Zhao, Yu-Ming	SCI(一) ☒
73	Beta-Arylation of Racemic Secondary Benzylic Alcohols to Access Enantioenriched Beta-Arylated Alcohols	Angewandte Chemie-International Edition	2023, 62, e202306015	<i>Miao, Wang ;</i> Zhang, Jinyu; Yang, Yanyan; Tang, Weijun; Xue, Dong; Xiao, Jianliang; Sun, Huaming; Wang, Chao	SCI(一) ☒
74	De-Linker-Enabled Exceptional Volumetric Acetylene Storage Capacity and Benchmark C ₂ H ₂ /C ₂ H ₄ and C ₂ H ₂ /CO ₂ Separations in Metal-Organic Frameworks	Angewandte Chemie-International Edition	2023, 62, e202217839	<i>Wang, Jia-Wen ; Fan, Shu-Cong ;</i> Li, Hai-Peng; Bu, Xianhui; Xue, Ying-Ying; Zhai, Quan-Guo	SCI(一) ☒
75	Coordination Tuning of Metal Porphyrins for Improved Oxygen Evolution Reaction	Angewandte Chemie-International Edition	2023, 62, e20230593	<i>Lv, Haoyuan ;</i> Zhang, Xue-Peng; <i>Guo, Kai ; Han, Jinxiu ; Guo, Hongbo ;</i> Lei, Haitao; Li, Xialiang; Zhang, Wei; Apfel, Ulf-Peter; Cao, Rui	SCI(一) ☒
76	Supramolecular Adhesives with Extended Tolerance to Extreme Conditions Via Water-Modulated Noncovalent Interactions	Angewandte Chemie-International Edition	2023, 62, e202303506	<i>Guan, Wang ; Jiang, Wenhe ; Deng, Xinling ; Tao, Wansheng ;</i> Tang, Jiaqi; Li, Yuangang; Peng, Jianhong; Chen, Cheng-Lung; Liu, Kaiqiang; Fang, Yu	SCI(一) ☒
77	Hydrogen Bonding Enables Polymer Hydrogels with Ph-Induced Reversible Dynamic Responsive Behaviors	Angewandte Chemie-International Edition	2023, 62, e202302900	Cheng, Ruidong; Xu, Mingwei; Zhang, Xuehui; Jiang, Jinqiang; Zhang, Qiuyu; Zhao, Yue	SCI(一) ☒

78	Wide-Bandgap Perovskite Solar Cell Using a Fluoride-Assisted Surface Gradient Passivation Strategy	Angewandte Chemie-International Edition	2023, 62, e20221668	Yan, Nan; Gao, Yan; Yang, Junjie; Fang, Zhimin; Feng, Jiangshan; Wu, Xiaojun; Chen, Tao; Liu, Shengzhong (Frank)	SCI(一) ☒
79	Molecular Bridge on Buried Interface for Efficient and Stable Perovskite Solar Cells	Angewandte Chemie-International Edition	2023, 62, e202304568	Guo, Haodan; Xiang, Wanchun; Fang, Yanyan; Li, Jingrui; Lin, Yuan	SCI(一) ☒
80	Enhanced Four-Electron Oxygen Reduction Selectivity of Clamp-Shaped Cobalt(II) Porphyrin(2.1.2.1) Complexes	Angewandte Chemie-International Edition	2023, 62, e202218567	Xue, Songlin; Ryan Osterloh, W.; Lv, Xiaojuan; Liu, Ningchao; Gao, Yimei; Lei, Haitao; Fang, Yuanyuan; Sun, Zhongti; Mei, Peifeng; Kuzuhara, Daiki; Aratani, Naoki; Yamada,	SCI(一) ☒
81	Recoverable Flexible Perovskite Solar Cells for Next-Generation Portable Power Sources	Angewandte Chemie-International Edition	2023, 62, e202307225	Liu, Jieqiong; Ye, Tao; Yu, Dongqu; Liu, Shengzhong (Frank) ; Yang, Dong	SCI(一) ☒
82	Additive-Free Transfer Hydrogenative Direct Asymmetric Reductive Amination Using a Chiral Pyridine-Derived Half-Sandwich Catalyst	Angewandte Chemie-International Edition	2023, 62, e202303709	Gao, Yuan; Wang, Zhijun; Zhang, Xinyu; Zhao, Min; Zhang, Shuai; Wang, Chao ; Xu, Liang; Li, Pengfei	SCI(一) ☒
83	Interfacial Engineering for Efficient Low-Temperature Flexible Perovskite Solar Cells	Angewandte Chemie-International Edition	2023, 62, e202309398	Cai, Weilun; Yang, Tinghuan; Liu, Chou; Wang, Yajie; Wang, Shiqiang; Du, Yachao; Wu, Nan; Huang, Wenliang; Wang, Shumei; Wang, Zhichao; Chen, Xin; Feng, Jiangshan; Zhao, Guangtao; Ding, Zicheng; Pan, Xu; Zou, Pengchen; Yao, Jianxi; Liu, Shengzhong (Frank) ; Zhao, Kui	SCI(一) ☒
84	Managing Multiple Halide-Related Defects for Efficient and Stable Inorganic Perovskite Solar Cells	Angewandte Chemie-International Edition	2023, 62, e202305815	Wang, Zhiteng; Tian, Qingwen; Zhang, Hao; Xie, Huidong; Du, Yachao; Liu, Lei; Feng, Xiaolong; Najar, Adel; Ren, Xiaodong; Liu, Shengzhong (Frank)	SCI(一) ☒

85	Highly Efficient Catalytic Conversion of Biomass-Derived 2,5-Dimethylfuran into Renewable P-Xylene Over Zirconium Phosphate Catalysts	Applied Catalysis A-General	2023, 663, 119323	<i>Chengming Wu , Ting Wu , Jifan Li, Chun-Ling Liu, Wen-Sheng Dong</i>	SCI(二)区
86	Porous Biochar Derived from Walnut Shell as an Efficient adsorbent for Tetracycline Removal	Bioresource Technology	2023, 383, 129213	Shi, Qiyu; Wang, Wangbo; Zhang, Hongmin; Bai, Huiling; Liu, Kaiqiang; Zhang, Jianfeng; Li, Zhihua; Zhu, Weihuang	SCI(一) 区
87	A Versatile CRISPR/Cas12a-Based Biosensing Platform Coupled with a Target-Protected Transcription Strategy	Biosensors & Bioelectronics	2023, 219, 114801	<i>Xinyue Kang , Chao Lei , Jingjing Shi , Xiaoling Liu, Wei Ren, Chenghui Liu</i>	SCI(一) 区
88	Recent advances in Nanoparticle-Based Optical Sensors for Detection of Pesticide Residues in Soil	Biosensors-Basel	2023, 13, 415	Zhang, Chunhong; Qiu, Mingle; Wang, Jinglin; Liu, Yongchun	SCI(三) 区
89	Bi-ortho-Carborane Unit-Riveted Perylene Monoimides: Structure-Tuned Optical Switches for Electron Transfer and Robust Thin Film-Based Fluorescence Sensors	CCS Chemistry	2023, 5, 2922-2932	<i>Nannan Ding , Yu-Chan Liao , Gang Wang, Kai-Hsin Chang, Zhaolong Wang, Ke Liu, Jiani Ma, Pi-Tai Chou& Yu Fang</i>	Chemical Communications
90	Facile Construction of Alloy-Metal Oxide Interfaces Boosting the One-Pot Conversion of Methyl Levulinate to 1,4-Pentanediol	ChemCatChem	2024, 16, e202301112	<i>Yan Wei , Weiming Shi , Mingxiu Cao , Ling Gong , Jifan Li, Chun-ling Liu, and Wen-Sheng Dong</i>	SCI(三) 区
91	Electrocatalytic Hydrogen Evolution with a Copper Porphyrin Bearing Meso-(O-Carborane) Substituents	Chemical Communications	2023, 59, 10777-10780	Peng, Xinyang; Han, Jinxiu; Li, Xialiang; Liu, Guijun; Xu, Yuhan; Peng, Yuxin; Nie, Shuai; Li, Wenzhi; Li, Xinrui; Chen, Zhuo; Peng, Haonan; Cao, Rui; Fang, Yu	SCI(二) 区

92	A Nitrogen-Doped Carbon Nanotube Confined CuCo Nanoalloy Catalyzing one-Pot Conversion of Levulinic acid to 1,4-Pentanediol	Chemical Communications	2023, 59, 2477-2480	Wei, Yan; Lu, Jingjing; Zhang, Shuxian; Wu, Chengming; Nong, Xiaoyao; Li, Jifan; Liu, Chun-Ling; Dong, Wen-Sheng	SCI(二) ☒
93	Palladium-Catalysed Suzuki-Miyaura Coupling of Alpha, Beta-Unsaturated Superactive Triazine Esters	Chemical Communications	2023, 59, 4810-4813	Lin, Dezhi; Yang, Hongyu; Zhang, Xiao; Sun, Huaming; Zhang, Xuepeng; Jian, Yajun; Zhang, Weiqiang; Liu, Yunfang; Gao, Ziwei	SCI(二) ☒
94	Interface-Mediated Protein Aggregation	Chemical Communications	2023, 59, 14093-14109	Fei Tao, <i>Qian Han</i> , and Peng Yang	SCI(二) ☒
95	Selective Conversion of Carbon Dioxide into Heavy Olefins over Ga Modified Delafossite-CuFeO ₂	Chemical Communications	2023, 59, 12286-12289	<i>Chide Chen</i> , <i>Xiaoting Wu</i> , Shuxian Zhang, Ming Qing, <i>Mengying La</i> , Jifan Li, Chun-Ling Liu and Wen-Sheng Dong	SCI(二) ☒
96	An Immunoassay-Like Recognition Mechanism-Based Lateral Flow Strategy For Rapid MicroRNA Analysis	Chemical Communications	2023, 59, 11851-11854	<i>Jie Liu</i> , <i>Jingjing Shi</i> , <i>Qinya Feng</i> , Wenjiao Fan and Chenghui Liu	SCI(二) ☒
97	Benincasa Hispidas-Inspired Pore-Gradient Aerogel with Integrated Water and Thermal Management for Highly Efficient Solar Vapor Generation and Water Purification	Chemical Engineering Journal	2023, 476, 146766	Dongdong Ma, Xiangyi Zhang, Chenshan Dong, Huiyu Yang , Kaimin Deng, Mengyao Zhu, Ziwei Deng, Jingjing Huang, Shaojin Gu, Xin Liu, Bin Shang	SCI(一) ☒
98	Chemical Functionalization of Commercial Pt/C Electrocatalyst towards Formic Acid Electrooxidation	Chemical Engineering Journal	2023, 476, 146529	Zi-Xin Ge, Bo-Qiang Miao, Xin-Long Tian, Bin He, Yu Chen	SCI(一) ☒
99	Recent Advances in Proton Exchange Membrane Water Electrolysis	Chemical Society Reviews	2023, 5216, 5652-5683	Liu, Rui-Ting; Xu, Zheng-Long; Li, Fu-Min; Chen, Fei-Yang; Yu, Jing-Ya; Yan, Ya; Chen, Yu; Xia, Bao Yu	SCI(一) ☒

100	Advances in the Synthesis of Halide Perovskite Single Crystals for Optoelectronic Applications	Chemistry of Materials	2023, 35(7), 2683-2712	Yan, Jiakai; Li, Haojin; aldamasy, Mahmoud Hussein; Frasca, Chiara; Abate, Antonio; Zhao, Kui ; Hu, Yue	SCI(二) 区
101	Ni-Catalyzed Photochemical C-N Coupling of Amides with (Hetero)aryl Chlorides	Chemistry-A European Journal	2023, 29, e202300458	Song, Geyang; Li, Qi; Nong, Ding-Zhan; Song, Jiameng; Li, Gang; Wang, Chao ; Xiao, Jianliang; Xue, Dong	SCI(二) 区
102	Helical Anatase Titanium Nanotubes Through a Protected Crystallization Strategy for Enhanced Photocatalytic Performance	Chemistry-A European Journal	2023, 29, e202300464	Liu, Xinrong; Shi, Mengke; Tang, Xiaoyu; Ma, Yue; Dang, Jingshuang; Yan, Xumei; Gu, Quan; Bao, Zijia; Liang, Zuozhong; Zhang, Wei ; Cao, Rui ; Zheng, Haoquan	SCI(二) 区
103	Proton-Coupled Electron Transfer in Electrocatalytic Water Splitting	Chemistry-A European Journal	2023, 29, e202302770	<i>Shujiao Yang</i> , Jinxiu Han, and Wei Zhang	SCI(二) 区
104	Helical Anatase Titanium Nanotubes through a Protected Crystallization Strategy for Enhanced Photocatalytic Performance	Chemistry-A European Journal	2023, 29, e202300464	Xinrong Liu, Mengke Shi, Xiaoyu Tang, Yue Ma, Jingshuang Dang, Xumei Yan, Quan Gu, Zijia Bao, Zuozhong Liang, Wei Zhang, Rui Cao, and Haoquan Zheng	SCI(二) 区
105	Spherical Ni/Ni ₃ Se ₂ Heterostructure for Efficient Electrochemical Oxidation Reactions	ChemNanoMat	2023, 9, e202200509	<i>Shujiao Yang</i> , Dandan Chen, Xiaohai Cui, Jing Zhang, Wei Zhang , and Rui Cao	SCI(四) 区
106	Co ₃ O ₄ Supported on β -Mo ₂ C with Different Interfaces for Electrocatalytic Oxygen Evolution Reaction	ChemSusChem	2023, 16, e202301260	<i>Zhang, Jiaxin ; Li, Sisi ; Liu, Xiaohan ; Zheng, Haoquan; Zhang, Wei; Cao, Rui</i>	SCI(二) 区
107	One-Step Detection of T4 Polynucleotide Kinase Activity Based on Single Particle-Confining Enzyme Reaction and Digital Particle Counting	Chinese Chemical Letters	2023, 34, 107673	Dailu Jia, Wenjiao Fan, Wei Ren, Chenghui Liu	SCI(一) 区

108	Fine-Tuning of Pore-Space-Partitioned Metal-Organic Frameworks for Efficient C ₂ H ₂ /C ₂ H ₄ and C ₂ H ₂ /CO ₂ Separation	Chinese Chemical Letters	2023, 342, 1001-8417	Xiaobing Mu, Yingying Xue, Mancheng Hu, Peng Zhang, Ying Wang, Haipeng Li, Shuni Li, Quanguo Zhai	SCI(一)区
109	An AIE Probe for Long-Term Plasma Membrane Imaging and Membrane-Targeted Photodynamic Therapy	Chinese Chemical Letters	2023, 34, 107699	Hailing Zhao, Nan Li, Caixia Ma, Zhengwei Wei, Qiya Zeng, Keyi Zhang, Na Zhao, Ben Zhong Tang	SCI(一)区
110	Promoting Hydrogen Evolution Reaction with a Sulfonic Proton Relay	Chinese Journal of Catalysis	2023, 45, 88-94	Wang, Ni; Zhang, Xue-Peng; Han, Jinxiu; Lei, Haitao; Zhang, Qingxin; Zhang, Hang; Zhang, Wei ; Apfel, Ulf -Peter; Cao, Rui	SCI(一)区
111	Chemical Functionalized Noble Metal Nanocrystals for Electrocatalysis	Chinese Journal of Catalysis	2023, 45, 6-16	Xue, Qi; Wang, Zhe; Ding, Yu; Li, Fumin; Chen, Yu	SCI(一)区
112	A Cobalt(III) Corrole with a Tethered Imidazole for Boosted Electrocatalytic Oxygen Reduction Reaction	Chinese Journal of Chemistry	2023, 41, 2866-2872	<i>Yimei Gao , Benxing Mei , Yizhen Wu , Qian Zhao , Zijia Bao ,</i> Haonan Qin, <i>Yuhan Xu , Haoyuan Lv , Xinyang Peng , Yan He , Ting Luo , Ran Yao ,</i>	SCI(一)区
113	Spherical Nucleic Acid-Amplified Digital Flow Cytometric Bead Assay for the Ultrasensitive Detection of Protein and Exosome	Chinese Journal of Chemistry	2023, 41, 2151-2158	<i>Jingjing Shi , Yuanyuan Sun , Wenjiao Fan,</i> Wei Ren , and Chenghui Liu	SCI(一)区
114	Perovskite Single-Crystal X-Ray Detectors:B-Site Engineering for Future Wearable Electronics	Chinese Journal of Luminescence	2023, 44 (3) , 486-495	马闯, 赵奎	SCI(四)区
115	Adenine-Mediated Amide-Containing Metal-Organic Framework toward One-Step Ethylene Purification from a Ternary Mixture	Chinese Journal of Structural Chemistry	2023, 42, 100012	Fang-Jing Guo , Ning Yang , Hong-Xin Li , Han Fang , Dong-Xu Xue	SCI(四)区

116	Tandem Electrocatalytic Nitrate Reduction Reaction	Chinese Journal of Structural Chemistry	2023, 42, 100143	<i>Chuanfei Cang</i> , Haoquan Zheng	SCI(四)区
117	Hydrophilic MnO ₂ Nanowires Coating With O-Fluoroaniline for Electrocatalytic Water Oxidation	Chinese Journal of Structural Chemistry	2023, 42, 100105	<i>Lingshuang Qin</i> , Wei Zhang, Rui Cao	SCI(四)区
118	Adenine-Mediated Amide-Containing Metal-Organic Framework toward One-Step Ethylene Purification from a Ternary Mixture	Chinese Journal of Structural Chemistry	2023, 42, 100012	Fang-Jing Guo, Ning Yang, Hong-Xin Li, Han Fang, Dong-Xu Xue	SCI(四)区
119	Dual-Chromophore-Functionalized Silica Mesoporous Nanoparticles for Fast Visual Detection of Nerve Agent Simulant DCP	Colloids and Surfaces A-Physicochemical and Engineering Aspects	2024, 681, 132848	<i>Wan Xu</i> , <i>Zhaojuan Wang</i> , <i>Rongrong Zhang</i> , Liping Ding, Yu Fang	SCI(二) 区
120	Dual Functional Antifouling and Bactericidal Proteinaceous Coating	Colloids and Surfaces B-Biointerfaces	2023, 225, 113239	Wang, Zhengge; <i>Fu, Chengyu</i> ; Gao, Yingtao; Wu, Zhaoji; Chen, Weiqing; Hu, Bowen; Xu, Siqi; Zhang, Zhigang; Yang, Peng	SCI(二) 区
121	A Quinary Metal-Organic Framework Composed of One Metal and One Linker with Ethane-Selective Property	Crystal Growth & Design	2023, 23, 7026-7030	Ze-Hua Jiang, Han Fang, Hong-Xin Li, and Dong-Xu Xue	SCI(二) 区
122	Cage-Space-Partitioned Metal-Organic Frameworks for Efficient Carbon Dioxide Capture and Conversion	Crystal Growth & Design	2023, 23, 5043-5051	<i>Jie Meng</i> , <i>Jing Zhang</i> , <i>Shu-Cong Fan</i> , Ying Wang, Peng Zhang, Wenyu Yuan, and Quan-Guo Zhai	SCI(二) 区

123	Novel Pillared-Layer-like Metal-Organic Frameworks with Quadrilateral Channels for Efficient Separation of C ₂ H ₂ from C ₂ H ₂ /CO ₂ and C ₂ H ₂ /C ₂ H ₄ Mixtures	Crystal Growth & Design	2023, 23, 4346-4356	Wanrong He , Xiao-Bing Mu , Jiao Lei , WenyuYuan, Peng Zhang and Quan-GuoZhai	SCI(二) 区
124	A Bimetallic 3D Interconnected Metal-Organic Framework with 2D Morphology and Its Derived Electrocatalyst for Oxygen Reduction	CrystEngComm	2023, 25, 1869-1873	Zijia Bao, Guojun Zhou, Xinrong Liu,a Yuxin Peng, Zhehao Huang and Haoquan Zheng	SCI(三) 区
125	A Layered CoSeO ₃ Pre-Catalyst for Electrocatalytic Water Oxidation	Dalton Transactions	2023, 52, 15518-15523	Ting Wang , Shujiao Yang , Haoquan Zheng, Wei Zhang and Rui Cao	SCI(三) 区
126	Design and Synthesis of Guaianolide-Germacranolide Heterodimers as Novel Anticancer Agents Against Hepatocellular Carcinoma	Drug Development Research	2023, 846, 1285-1298	Yan, Jia-Xin; Li, Qi-Hao; Li, Tian-Ze; Huang, Zhi-Yan; Ma, Yun-Bao; Chen, Ji-Jun	SCI(四) 区
127	CuO-Co ₃ O ₄ Nanoparticle Catalysts Rich in Oxygen Vacancies Toward Upgrading Anodic Electro-Oxidation of Glycerol	Electrochimica Acta	2023, 470, 143285	Zhiwei Xi, Hongyu Zhou, Yaoxin Liu, Chunli Xu	SCI(三) 区
128	Ultra-Thin and Ultra-Light Self-Lubricating Layer with Accelerated Dynamics for Anode-Free Lithium Metal Batteries	Energy Storage Materials	2023, 58, 110-122	Sun, Zehui; Wang, Yuankun; Qin, Yanyang; Yang, Peng; Wu, Hu; Li, Xinyang; Hu, Xiaofei; Xiao, Chunhui; Zhao, Hongyang; Ma, Mingbo; Su, Yaqiong; Ding, Shujiang	SCI(一) 区
129	The Rise of Two-Dimensional Tellurium for Next-Generation Electronics and Optoelectronics	Frontiers of Physics	DOI:10.1007/s11467-022-1231-9	Tao Zhu, Yao Zhang, Xin Wei, Man Jiang, Hua Xu	SCI(二) 区
130	Preparation and Properties of Physical Gel on Medical Titanium Alloy Surface	Gels	DIO:10.3390/gels9070558	Fu, Yu; Wu, Qingrong; Yang, Wanying; Wang, Jiaqi; Liu, Zechen; Shi, Hao; Liu, Shouxin	SCI(三) 区

131	Stereo-Complex and Click-Chemical Bicrosslinked Amphiphilic Network Gels with Temperature/pH Response	Gels	DIO:10.3390/gels9080647	Yang, Wanying; Wang, Jiaqi; Jia, Lingjiang; Li, Jingyi; Liu, Shouxin	SCI(三) ☒
132	Photoinduced Generation of Ketyl Radicals and Application In C-C Coupling without External Photocatalyst	Green Chemistry	2023, 25, 4129-4136	Yonggang Yan, Gang Li, Jiani Ma, Chao Wang , Jianliang Xiao and Dong Xue	SCI(一) ☒
133	High-Yield Production of Aromatics over CuFeO ₂ /Hierarchical HZSM-5 via CO ₂ Fischer-Tropsch Synthesis	Green Chemistry	2023, 25, 3570-3584	<i>Yang Cheng , Yong Chen , Shuxian Zhang, Xiaoting Wu , Chide Chen , Xin Shi ,</i> Ming Qing, Jifan Li, Chun-Ling Liu and Wen-Sheng Dong	SCI(一) ☒
134	Pore Environmental Modification by Alkoxy Groups in Pore-Space-Partitioned Metal-Organic Frameworks to Achieve Gas Uptake-Selectivity Balance	Inorganic Chemistry	2023, 62, 7069-7078	Li, Shu-Yi; Wang, Kun; Wang, Jia-Wen; Fan, Shu-Cong; Zhang, Peng; Zhai, Quan-Guo	SCI(二) ☒
135	Electrocatalytic Hydrogen Evolution of Bent Bis(Dipyrrin) Ni(II) Complexes	Inorganic Chemistry	2023, 62, 1679-1685	Xue, Songlin; Lv, Xiaojuan; Liu, Ningchao; Zhang, Qingxin; Lei, Haitao; Cao, Rui ; Qiu, Fengxian	SCI(二) ☒
136	Unveiling the Effect of Organic Sulfur Sources on Synthesized MoS ₂ Phases and Electrocatalytic Hydrogen Evolution Performances	Inorganic Chemistry	2023, 62, 9749-9757	Liu, Jiaqi; Wang, Jing; Wei, Baoqiang; Xue, Yanzhong; Ma, Lixia; Jiang, Ruibin	SCI(二) ☒
137	Regulating CO and H ₂ Ratios In Syngas Produced from Photocatalytic CO ₂ /H ₂ O Reduction By Cu and Co Dual active Centers on Carbon Nitride Hollow Nanospheres	Inorganic Chemistry	2023, 62, 13615-13625	Zhang, Wei ; Gu, Quan; Fu, Xianliang; Wang, Yanyan; Jian, Yajun; Sun, Huaming; Gao, Ziwei	SCI(二) ☒

138	Polynuclear Rare-Earth Cluster-Directed Self-Assembly of Highly Porous Zeolite-like Metal-Organic Frameworks with Methane Storage Property	Inorganic Chemistry	2023,62,180 14-18019	Hong-Xin Li, Han Fang, Guo-Tong Du, and Dong-Xu Xue	SCI(二) ☒
139	Development of a Mixed Multinuclear Cluster Strategy in Metal-Organic Frameworks for Methane Purification and Storage	Inorganic Chemistry	2023, 62, 15195- 15205	<i>Jiao Lei</i> , Wenyu Yuan, <i>Jianxuan Shang</i> , <i>Jie Xu</i> , Peng Zhang, Ying Wang, <i>Yong-Peng Li</i> , and Quan-Guo Zhai	SCI(二) ☒
140	Design of a Robust Rod-Packing Scandium-Organic Framework for C ₂ H ₄ /CO ₂ Separation, CO ₂ Storage, and Catalytic CO ₂ Cycloaddition	Inorganic Chemistry Frontiers	2023, 10, 3015-3024	<i>Hong-Juan Lv</i> , <i>Shu-Cong Fan</i> , Yu-Cheng Jiang, Shu-Ni Li and Quan-Guo Zhai	SCI(一) ☒
141	New Reticular Chemistry of Pillared Rare-Earth Kgd Supramolecular Building Layer Frameworks with Ethane-Trapping Property	Inorganic Chemistry Frontiers	2023, 10, 1795-1802	Hong-Xin Li, Han Fang, Yu-Feng Zhang, Zong-Hui Zhang and Dong-Xu Xue	SCI(一) ☒
142	Multivariate Indium-Organic Frameworks for Highly Efficient Carbon Dioxide Capture and Electrocatalytic Conversion	Inorganic Chemistry Frontiers	2023, 10, 158-167	<i>Shuo Wang</i> , Ying Wang, <i>Jia-Min Huo</i> , Wen-Yu Yuan, Peng Zhang, Shu-Ni Li and Quan-Guo Zhai	SCI(一) ☒
143	Low Oil Pickering Emulsion Gels Stabilized By Bacterial Cellulose Nanofiber/ Soybean Protein Isolate: an Excellent Fat Replacer for Ice Cream	International Journal of Biological Macromolecules	2023, 247, 125623	Gao, Yin; Lin, Dehui; Peng, Haonan; Zhang, Runguan; Zhang, Bin; Yang, Xingbin	SCI(一) ☒
144	NiFeCrS/NiS/NF with Modified 2D Nanosheet Array as Bifunctional Electrocatalysts for Overall Water Splitting	International Journal of Hydrogen Energy	2023, 48, 33088e3309 7	Hongyu Zhou, JiangLiu, ChunliXu	SCI(二) ☒

145	Organic-Inorganic Hybrid Nature Enables Efficient and Stable CsPbI ₃ -Based Perovskite Solar Cells	Joule	2023, 7, 1-18	Yang Jiang, <i>Tian-Fei Xu</i> , Hong-Qiang Du, Mathias Uller Rothmann, Zhi-Wen Yin, Ye Yuan, Wan-Chun Xiang, Zhi-Yi Hu, Gui-Jie Liang, Sheng-Zhong Liu , Mohammad Khaja	SCI(一) ☒
146	Hollow Nanoparticles Doped Hierarchical Hexagonal Star Shaped Cobalt-Based Phosphosulfides For Water Splitting	Journal of Alloys and Compounds	2024, 971, 172775	Zuozhong Liang, Jieling Zhang, Weiran Suo, Haoquan Zheng , Yuan Wang, Rui Cao	SCI(二) ☒
147	Polypyrrole Modification on BiVO ₄ for Photothermal-Assisted Photoelectrochemical Water Oxidation	Journal of Chemical Physics	2023, 158, 091102	Wu, Jiazhe; Xu, Xiaoya; Guo, Xu; Xie, Wensheng; Pan, Lixia; Chen, Yubin	SCI(二) ☒
148	Tuning Active Sites for Highly Efficient Bifunctional Oxygen Electrocatalysts of Rechargeable Zinc-Air Battery	Journal of Colloid and Interface Science	2023, 640, 549-557	Li, Xuhui; Liu, Yanpin; Xu, Haifei; Zhou, Yangfan; Chen, Xinbing ; An, Zhongwei ; Chen, Yu; Chen, Pei	SCI(一) ☒
149	Towards a Scalable and Controllable Preparation of Highly-Uniform Surface-Enhanced Raman Scattering Substrates: Defect-Free Nanofilms as Templates	Journal of Colloid and Interface Science	2023, 647, 23-31	<i>Zhai, Binbin</i> ; <i>Tang, Jiaqi</i> ; Liu, Jianfei; Wang, Hongyue; Liu, Kaiqiang ; Peng, Junxia ; Fang, Yu	SCI(一) ☒
150	All-Solid-State Ti ₃ C ₂ T _x Neutral Symmetric Fiber Supercapacitors with High Energy Density and Wide Temperature Range	Journal of Colloid and Interface Science	2023, 643, 92-101	Ma, Fuquan; Li, Ling; Jia, Congying; He, Xuexia; Li, Qi; Sun, Jie; Jiang, Ruibin; Lei, Zhibin ; Liu, Zong-Huai	SCI(一) ☒
151	Ni-Doped BiVO ₄ Photoanode for Efficient Photoelectrochemical Water Splitting	Journal of Colloid and Interface Science	2023, 640, 162-169	Chen, Meihong; Chang, Xiaobo; Li, Can; Wang, Hongqiang; Jia, Lichao	SCI(一) ☒

152	Boosting Photoelectrochemical Water Splitting of Bismuth Vanadate Photoanode via Novel CO-Catalysts of amorphous Manganese Oxide with Variable Valence States	Journal of Colloid and Interface Science	2023, 636, 103-112	Li, Can; Chen, Meihong; Xie, Yuhan; Wang, Hongqiang; Jia, Lichao	SCI(一) ☒
153	Velocity Field Distribution Control in Antisolvent Flow Realizing Highly Stable and Efficient Perovskite Nanocrystals	Journal of Colloid and Interface Science	2023, 649, 214-222	Zhao, Guanguan; Zhang, Miao; Li, Huixin; Guo, Yangyang; Liu, Taihong; Wang, Hongqiang; Wang, Hongyue; Fang, Yu	SCI(一) ☒
154	Bio-Inspired Non-Conjugated Poly (carbonylpyridinium) as Anode Materials for High-Performance Alkali-Ion (Li^+ , Na^+ , and K^+) Batteries	Journal of Colloid and Interface Science	2023, 643, 541-550	Xiujuan Wang, <i>Ling Chen</i> , Xiaoming He	SCI(一) ☒
155	Two-Dimensional Hollow Carbon Skeleton Decorated with Ultrafine Co_3O_4 Nanoparticles for Enhanced Lithium Storage	Journal of Colloid and Interface Science	2023, 631, 191-200	Hang Zhang, Fang Wang, Yanzhi Wang, Hengwei Wei, Wei Zhang, Rui Cao, Haoquan Zheng	SCI(一) ☒
156	Anthraquinone Porous Polymers with Different Linking Patterns for High Performance Zinc-Organic Battery	Journal of Colloid and Interface Science	2023, 629, 434-444	XiujuanWang, Gang Wang, Xiaoming He	SCI(一) ☒
157	A Remineralizing and Antibacterial Coating for Arresting Caries	Journal of Dental Research	DIO:10.1177 /0022034523 1189992	Lu, D.; Li, F.; Zhao, C.; Ye, Y.; Zhang, X.; Yang, P.; Zhang, X.	SCI(一) ☒
158	Recent Advances in Paired Electrolysis Coupling CO_2 Reduction with Alternative Oxidation Reactions	Journal of Energy Chemistry	2023, 77, 406-419	Li, Deng; Yang, Jiangfan; Lian, Juhong; Yan, Junqing; Liu, Shengzhong (Frank)	SCI(一) ☒

159	Interfacial Engineering of Holey Platinum Nanotubes for Formic Acid Electrooxidation Boosted Water Splitting	Journal of Energy Chemistry	2023, 77, 209-216	Ge, Zi-Xin; Ding, Yu; Wang, Tian-Jiao; Shi, Feng; Jin, Pu-Jun; Chen, Pei; He, Bin; Yin, Shi-Bin; Chen, Yu	SCI(一) ☒
160	Development of MOF-5-Like Ultra-Microporous Metal-Squarate Frameworks for Efficient Acetylene Storage and Separation	Journal of Materials Chemistry A	2023, 11, 21203-21210	<i>Hai-Peng Li</i> , <i>Jia-Wen Wang</i> and Quan-Guo Zhai	SCI(二) ☒
161	Synthesis, Structure and High Methane Storage of Pure D6R Yb(Y) Nonanuclear Cluster-Based Zeolite-Like Metal-Organic Frameworks	Journal of Materials Chemistry A	2022, 10, 14795-14798	Hong-Xin Li, Zong-Hui Zhang, Han Fang, Dong-Xu Xue and Junfeng Bai	SCI(二) ☒
162	Realizing Low Ion Migration and Highly Sensitive X-ray Detection by Building g-C ₃ N ₄ and CH ₃ NH ₃ PbI ₃ Bulk Heterojunction Pellets	Journal of Materials Chemistry A	2023, 11, 25918-25928	<i>Chengzhi Xue</i> , <i>Yingrui Xiao</i> , <i>Xing Liu</i> , <i>Ziwei Xu</i> , <i>Nan Li</i> , Shubo Wang, Ningyi Yuan, Jianding Ding, Xu Guo, Zhou Yang , and Shengzhong (Frank) Liu	SCI(二) ☒
163	A Biomineralized Bi-Functional Hybrid Nanoflower to Effectively Combat Bacteria via a Glucose-Powered Cascade Catalytic Reaction	Journal of Materials Chemistry B	2023, 11, 3413-3421	<i>Tang, Qiaorong</i> ; <i>Shi, Lu</i> ; Yang, Bing; Liu, Wei; Li, Baoxin; Jin, Yan	SCI(三) ☒
164	2-amino-5-Chlorobenzophenone Passivating Perovskite Films Using Multiple Functional Groups towards High-Performance Solar Cells	Journal of Materials Chemistry C	2023, 11, 4393-4403	Wu, Yuxin; Lu, Chenrui; Gao, Fei; Li, Yuanrui; Shi, Bonan; Cai, Xuediao; Yang, Fei; Zhang, Junqi; Liu, Shengzhong (Frank)	SCI(二) ☒
165	Supramolecular Polymerization of Chiral Platinum(II) Complexes: Transformable Nanoassemblies and Their Amplified Circularly Polarized Luminescence	Journal of Materials Chemistry C	2023, 11, 11671-11680	Xiaolin Zhu, Zhen Wang, Yihui Jia, Fang Yang, Youzhi Zhang, Shirui Zhao and Xiaoming He	SCI(二) ☒
166	Manipulating the Benzenyl π -Bridge of Bisanthracene Derivatives (BDs) for Highly Efficient Deep-Blue OLED Emitters with CIE _y = 0.06	Journal of Materials Chemistry C	2024, 12, 1069-1076	Pengcheng Jin, Xilin Yang, Ben Yang, Xiao-Tian Wang, Wen-Tao Su, Shu-Hang Zhan, Xiliang Chen, Huaming Sun, Shi-Jian Sub, and Jian-Yong Hu	SCI(二) ☒

167	Electro and Magneto Dual Response of TiO ₂ @Fe ₃ O ₄ Core-Shell Composite Nanoparticle	Journal of Materials Science-Materials in Electronics	2023, 34, 139	Lingxiang Gao, Hao Zhang, Wen Liu, Shulong Zhang, and Zunyuan Xie	SCI(四)区
168	Bis-tolane Liquid Crystals Terminated by 2,2-Difluorovinyl with High Birefringence and Large Electrical Anisotropy	Journal of Molecular Liquids	2023, 375, 121369	Yao, Chenhe; Tang, Jiaxing; Chen, Ran; Mao, Zihao; Chen, Xinbing ; Chen, Pei; An, Zhongwei	SCI(二)区
169	Bioinspired Polydopamine Nanoparticles as Efficient Antioxidative and Anti-Inflammatory Enhancers Against Uv-Induced Skin Damage	Journal of Nanobiotechnology	2023, 21, 354	Jia Zhang, Yuqi Zhou, Zhaoting Jiang, Chenhui He, Bo Wang, Qi Wang, Zeqian Wang, Tong Wu, Xiaoqi Chen, Ziwei Deng, Chunying Li and Zhe Jian	SCI(一)区
170	3-Substituted 2-Aminonaphthalene Photocages for Carboxylic Acids and Alcohols; Decaging Mechanism and Potential Applications in Synthesis	Journal of Organic Chemistry	2023,88,15176-15188	Vilma Lovrincević, Yan Guo, Dragana Vuk, Irena Škorić, Jiani Ma , and Nikola Basarić	SCI(二)区
171	A Cross-Reactive Fluorescent Ensemble Based on Perylene Derivative/ Surfactant Assemblies for Discrimination of Multiple Aminoglycoside Antibiotics in Aqueous Solution	Journal of Photochemistry and Photobiology A-Chemistry	2024, 446, 115128	<i>Lu Qi , Shanshan Liu , Zhen Ya , Min Qiao ,</i> Haonan Peng, Liping Ding	SCI(三)区
172	Theoretical Insights into Aggregation-Induced Emission with the Ionic π Fluorophore: The Importance of Choosing the Dimer QM Model in the ONIOM Study	Journal of Physical Chemistry A	2023, 127, 7148-7155	<i>Gong, Qianqian ;</i> Li, Yazhen; Nie, Xiaoke; Liu, Fengyi	SCI(二)区
173	Tracking the Intramolecular Charge Transfer Process of 2,6-Substituted D-A BODIPY Derivatives	Journal of Physical Chemistry B	2023, 127, 2044-2051	<i>Chen, Hao ; An, Nan ; Wang, Yanqing ;</i> Mukherjee, Somnath; Ma, Jiani; Liu, Jing ; Fang, Yu ; Wang, Gang; Bian, Hongtao	SCI(二)区

174	Intramolecular Photoredox Reaction Mechanism of Naphthoquinone Compounds: Combined Time-Resolved Spectroscopies and Dft Calculations	Journal of Physical Chemistry B	2023, 127, 710-716	Dai, Mingdong; Duan, Mei; Li, Xuyang; Guo, Yan; Ma, Jiani	SCI(二) ☒
175	Advances in Molecular Design and Photophysical Engineering of Perylene Bisimide-Containing Polyads and Multichromophores for Film-Based Fluorescent Sensors	Journal of Physical Chemistry B	2023, 127, 828-837	<i>Wang, Zhaolong</i> ; Liu, Taihong; Peng, Haonan; Fang, Yu	SCI(二) ☒
176	Tunable Non-Kasha Behaviors and Excited-State Dynamics of Quadrupolar Squaraine Aggregates	Journal of Physical Chemistry Letters	2023, 14, 7283-7289	Zhang, Nan; Liu, Lu; Chang, Haixia; Liu, Ke; Liu, Taihong; Ding, Liping; Fang, Yu	SCI(二) ☒
177	Chain-Like Structures Facilitate Li ⁺ Transport in Concentrated Aqueous Electrolytes: Insights from Ultrafast Infrared Spectroscopy and Molecular Dynamics Simulations	Journal of Physical Chemistry Letters	2023, 1431, 6968-6976	<i>Zhang, Miaomiao</i> ; Gao, Yuting; Fu, Lanya; Bai, Yimin; Mukherjee, Somnath; Chen, Cheng-Lung; Liu, Jing; Bian, Hongtao; Fang, Yu	SCI(二) ☒
178	Photorelease Reaction Mechanism Study of a Diarylethene Caged Dual Functions Compound	Journal of Physical Chemistry Letters	2023, 14, 2119-2124	Tan, Qian-qian; Guo, Yan; Phillips, David Lee; Xu, tongyu; Ma, Jiani	SCI(二) ☒
179	Unusual Contact Properties at the Metal-2D Perovskite Interface: The Crucial Role of Naturally Formed Buffer Layer in 2D Perovskite	Journal of Physical Chemistry Letters	2023, 14, 2606-2612	Xu, Zhuo; Chen, Ming; Luo, Weidong; Liu, Shengzhong Frank	SCI(二) ☒
180	Anion Recognition in Solution: Insights from Thermodynamics and Ultrafast Structural Dynamics	Journal of Physical Chemistry Letters	2023, 14, 11183-11189	<i>Dexia Zhou</i> , Fang Zhang, Baihui Wang, Jiman He, Yimin Bai, and Hongtao Bian	SCI(二) ☒

181	A Cobalt Corrole with a Biologically Relevant Imidazolium Pendant for Boosted Electrocatalytic Oxygen Reduction	Journal of Porphyrins and Phthalocyanines	2023, 27, 719-727	Yimei Gao , Haitao Lei, Hongbo Guo , Jia Meng, Qingxin Zhang , Qian Zhao , Jingwen Li , Zhou Zhou , Weiguo Feng, Wei Zhang , and Rui Cao	SCI(四)区
182	High-Performance and Stable Poly(Carbazole)-Based Anion Exchange Membrane Containing Rigid-Flexible Coupled Side-Chains for Fuel Cells	Journal of Power Sources	2023, 574, 233121	Ning Xie , Tao Wang , Shenghua Du , Qiang Weng, Kai Zheng , Tong Zhang , Xingming Ning, Pei Chen, Xinbing Chen , Zhongwei An	SCI(二)区
183	Construction of New Multi-Cage-Based MOFs Using Flexible Triangular Ligands for Efficient Gas Adsorption and Separation	Journal of Solid State Chemistry	2023, 322, 123994	Cun Gao , Xiao-Bing Mu , Wen-YuYuan , Peng Zhang, Ying Wang, Quan-Guo Zhai	SCI(三)区
184	Precise Manipulation of Excited-State Intramolecular Proton Transfer via Incorporating Charge Transfer toward High-Performance Film-Based Fluorescence Sensing	Journal of the American Chemical Society	2023, 145, 7408-7415	Liu, Ke; Zhang, Jing; Shi, Qiyuan; Ding, Liping ; Liu, Taihong ; Fang, Yu	SCI(一)区
185	α -Helix-Mediated Protein Adhesion	Journal of the American Chemical Society	2023, 145, 17125-17135	Zhang, Yingying ; Liu, Yongchun; Liu, Yonggang; Zuo, Ping; Miao, Shuting; Hu, Bowen; Kang, Yu; Liu, Wei; Yang, Qingmin; Ren, Hao; Yang, Peng	SCI(一)区
186	Sigma-Bond Metathesis as an Unusual Asymmetric Induction Step in Rhodium-Catalyzed Enantiodivergent Synthesis of C-N Axially Chiral Biaryls	Journal of the American Chemical Society	2023, 145, 8417-8429	Wang, Peiyuan; Wu, Hongli; Zhang, Xue-Peng; Huang, Genping; Crabtree, Robert H.; Li, Xingwei	SCI(一)区
187	O-allylhydroxyamine: a Bifunctional Olefin for Construction of Axially and Centrally Chiral Amino Alcohols Via Asymmetric Carboamidation	Journal of the American Chemical Society	2023, 145, 8150-8162	Mi, Ruijie; Ding, Zhiying; Yu, Songjie; Crabtree, Robert H.; Li, Xingwei	SCI(一)区

188	Precise Manipulation of Excited-State Intramolecular Proton Transfer via Incorporating Charge Transfer toward High-Performance Film-Based Fluorescence Sensing	Journal of the American Chemical Society	2023, 145, 7408-7415	Ke Liu, <i>Jing Zhang</i> , <i>Qiyuan Shi</i> , Liping Ding , Taihong Liu , and Yu Fang	SCI(一)区
189	Acceleration Mechanism of Triethanolamine in Electroless Bath for Pure Cobalt Deposition	Journal of the Electrochemical Society	2023, 170, 112503	Yu Shen, Jiayi Guo, Lu Wang, Huizhen Han, Yi Ma, Bo Xin, and Zenglin Wang	SCI(四)区
190	Enhancing Adhesion of Electroless Copper Film on Smooth Polyimide Surfaces by Photocatalytic Oxidation	Journal of the Electrochemical Society	2023, 170, 092503	Bingbing Li, Kamran Dastafkan, Yu Shen, Lu Wang, Yi Ma, Zenglin Wang, and Chuan Zhao	SCI(四)区
191	Automated Study on Kinetics and Biosensing of Glow-Type Luminescence Reaction via Digital Microfluidics-Chemiluminescence	Lab On A Chip	2023, 234, 785-792	Yang, Bing; Shi, Lu; Tang, Qiaorong; Liu, Wei; Li, Baoxin ; Yang, Chaoyong; Jin, Yan	SCI(二)区
192	Novel Benzoxazole-Based Liquid Crystals with Negative Dielectric Anisotropy and Moderate Optical Anisotropy	Liquid Crystals	DOI: 10.1080/02678292.2023.2259843	Tong Zhang, Fanghua Liang, Xurui Li, Hongfei Lin, Ran Chen, Pei Chen, Xinbing Chen and Zhongwei An	SCI(三)区
193	Amyloid-Like Assembly to Form Film at Interfaces: Structural Transformation and Application	Macromolecular Bioscience	2023, 23, 2300172	<i>Han, Qian</i> ; Tao, Fei; Yang, Peng	SCI(四)区
194	Self-Assembly of Glycolipid Epimers: Their Supramolecular Morphology Control and Immunoactivation Function	Macromolecular Rapid Communications	2023, 2300359	Xu, Xuyang; Li, Long; Ye, Linfei; Liu, Xiaomei; Feng, Yingle; Chen, Guosong	SCI(三)区

195	Highly Stretchable Conjugated Polymer/Elastomer Blend Films with Sandwich Structure	Macromolecular Rapid Communications	2023, 2300240	Qin, Ru; Wu, Yin; Ding, Zicheng; Zhang, Rui; Yu, Jifa; Huang, Wenliang; Liu, Dongle; Lu, Guanghao; Liu, Shengzhong (Frank); Zhao, Kui ; Han, Yanchun	SCI(三)区
196	Ultrabright Acrylic Polymers with Tunable Fluorescence enabled by Imprisoning Single Tict Probe	Macromolecular Rapid Communications	2023, 2300592	<i>Yalei Ma , Qiuping Wang , Jia Deng , Xudong Yan ,</i> Jing Liu, Liping Ding, Rong Miao, and Yu Fang	SCI(三)区
197	Mimicking Amelogenesis to Remineralize Enamel Through CO-Assembly of PTL Fibrils and CMC/ACP	Materials & Design	2023, 226, 111654	Ye, Yangyang; Lu, Runqiu; Ren, Hao; Yang, Yang; Li, Tianqi; Zhang, Xiangyu; Yang, Peng ; Zhang, Xu	SCI(二)区
198	Construction of ZnONRs-PDA/PMPC Nanocomposites on the Surface of Magnesium Alloy with Enhanced Corrosion Resistance and Antibacterial Performances	Materials Chemistry and Physics	2023, 309, 128361	<i>Fenyan Hu , Minting Du , Ruiqi Liang , Wancheng Zhu , Mengke Peng , Hao Xiang ,</i> Changhao Wang, Yashao Chen	SCI(三)区
199	Naphthalenediimide-Carbonylpyridiniums: Stable Six Electron Acceptors for Organic Cathodes	Materials Chemistry Frontiers	2023, 7, 3747-3753	<i>Qiting Lin , Heyang Li , Ling Chen and</i> Xiaoming He	SCI(二)区
200	Acid-Accelerated Hydrolysis of NaBH ₄ : a Gas-Generation Reaction for Diverse Gas Pressure Biosensing	Microchimica Acta	DIO:10.1007/s00604-023-05655-9	<i>Lu Shi , Qiaorong Tang , Bing Yang ,</i> Baoxin Li, Chaoyong Yang, Yan Jin	SCI(二)区
201	Self-Assembly of DNA-Gold Nanoaggregate for Visual Detection of Thymidine Kinase 1 (TK1) mRNA via Lateral Flow Assay	Microchimica Acta	DIO: 10.1007/s00604-023-06036-y	<i>Jing Wang , Lu Shi , Qiaorong Tang , Xinyu Zhu , Mengmeng Wu, Wei Liu,</i> Baoxin Li, Yan Jin	SCI(二)区

202	Fluorination Improves the Electro-Optical Properties of Benzoxazole-Terminated Liquid Crystals In High Birefringence Liquid Crystal Mixtures: Experimental and Theoretical Investigations	Molecules	DOI:10.3390/molecules28073019	Chen, Ran; Mao, Zihao; An, Zhongwei; Chen, Xinbing; Chen, Pei	SCI(二)区
203	Difluorovinyl Liquid Crystal Diluters Improve the Electro-Optical Properties of High-Increment N Liquid Crystal Mixture for AR Displays	Molecules	2023, 28, 2458	Tang, Jiaying; Mao, Zihao; An, Zhongwei; Chen, Ran; Chen, Xinbing; Chen, Pei	SCI(二)区
204	A General Synthesis of Cross-Conjugated Enynones Through Pd Catalyzed Sonogashira Coupling with Triazine Esters	Molecules	DIO: 10.3390/molecules28114364	Lin, Dezhi; Liu, Yunfang; Yang, Hongyu; Zhang, Xiao; Sun, Huaming; Jian, Yajun; Zhang, Weiqiang; Yang, Jianming; Gao, Ziwei	SCI(二)区
205	Bifunctional Hot Water Vapor Template-Mediated Synthesis of Nanostructured Polymeric Carbon Nitride for Efficient Hydrogen Evolution	Molecules	DIO: 10.3390/molecules28124862	Long, Baihua; He, Hongmei; Yu, Yang; Cai, Wenwen; Gu, Quan; Yang, Jing; Meng, Sugang	SCI(二)区
206	Ambient-aging Process Enables Enhanced Efficiency for Wide-Bandgap Perovskite Solar Cells	Nano Energy	2023, 109, 108288	Yang, Yang; Liu, Lu; Li, Jianxun; Zhao, Shuai; Chang, Zhen; Wang, Le; Yu, Dongqi; Wang, Kai; Liu, Shengzhong (Frank)	SCI(一)区
207	Aligned Conjugated Polymer Nanofiber Networks in an Elastomer Matrix for High-Performance Printed Stretchable Electronics	Nano Letters	2024, 24, 441-449	<i>Wenliang Huang, Xinmei Liu, Zicheng Ding, Zhongli Wang, Chenhui Xu, Ruipeng Li, Shumei Wang, Yin Wu, Ru Qin, Yang Han, Yanhou Geng, Shengzhong Frank Liu, Yanchun Han, and Kui Zhao</i>	SCI(一)区
208	Elaboration of Silicon Nanostructures with Vapor-Phase Silver assisted Chemical Etching: Correlation Between Structural and Optical Properties	Nanomaterials	2023, 13, 1602	Amri, Chohdi; Liu, Shengzhong (Frank); Najjar, adel	SCI(三)区

209	Recent Advances in Wide-Bandgap Organic-Inorganic Halide Perovskite Solar Cells and Tandem Application	Nano-Micro Letters	2023, 155, 2311-6706	Ting Nie, Zhimin Fang , Xiaodong Ren, Yuwei Duan, Shengzhong Frank Liu	SCI(一)区
210	Single-crystalline Mg-substituted $\text{Na}_4\text{Mn}_3(\text{PO}_4)_2\text{P}_2\text{O}_7$ Nanoparticles as a High Capacity and Superior Cycling Cathode for Sodium-ion Batteries	Nanoscale	2023, 1510, 4830-4838	Xu, Hanxue; Ma, Jixian; He, Xuexia; Sun, Jie; Yang, Longhai; Jiang, Ruibin; Lei, Zhibin; Liu, Zong-huai ; Li, Qi	SCI(三)区
211	Multifunctional DNA Nanoprobe for Tumor-Targeted Synergistic Therapy By Integrating Chemodynamic Therapy with Gene Silencing	Nanoscale Horizons	2023, 88, 1106-1112	<i>Tang, Qiaorong ; Li, Qianqian ; Shi, Lu ;</i> Liu, Wei; Li, Baoxin; Jin, Yan	SCI(二)区
212	Discovering Layered Lead-Free Perovskite Solar Absorbers Via Cation Transmutation	Nanoscale Horizons	2023, 84, 483-488	Chen, Ming; Shan, Zhicheng; Dong, Xiaofeng; Liu, Shengzhong(Frank) ; Xu, Zhuo	SCI(二)区
213	Rectifying Disorder of Extracellular Matrix to Suppress Urethral Stricture By Protein Nanofilm-Controlled Drug Delivery from Urinary Catheter	Nature Communications	DIO:10.1038/s41467-023-38282-2	Tian, Juanhua; Fu, Delai; Liu, Yongchun; Guan, Yibing; Miao, Shuting; Xue, Yuquan; Chen, Ke; Huang, Shanlong; Zhang, Yanfeng; Xue, Li; Chong, Tie; Yang, Peng	SCI(一)区
214	One-Stone-for-Two-Birds Strategy to Attain Beyond 25% Perovskite Solar Cells	Nature Communications	DIO:10.1038/s41467-023-36229-1	Yang, Tinghuan; Gao, Lili; Lu, Jing; Ma, Chuang; Du, Yachao; Wang, Peijun; Ding, Zicheng; Wang, Shiqiang; Xu, Peng; Liu, Dongle; Li, Haojin; Chang, Xiaoming; Fang, Junjie; Tian, Wenming; Yang, Yingguo; Liu, Shengzhong (Frank); Zhao, Kui	SCI(一)区
215	Synthesis of Robust Underwater Glues from Common Proteins via Unfolding-Aggregating Strategy	Nature Communications	DOI: 10.1038/s41467-023-40856-z	Yongchun Liu, Ke Li, Juanhua Tian, Aiting Gao, <i>Lihua Tian , Hao Su , Shuting Miao ,</i> Fei Tao, Hao Ren, Qingmin Yang, Jing Cao & Peng Yang	SCI(一)区

216	Synthesis and Functionalization of Scalable and Versatile 2D Protein Films Via Amyloid-Like Aggregation	Nature Protocols	2024, 19, 539-564	Yongchun Liu, <i>Shuting Miao</i> , Hao Ren, Lihua Tian, Jian Zhao & Peng Yang	SCI(一)区
217	Sustainable Polymer Coating for Stainproof Fabrics	Nature Sustainability	2023, 6, 984-994	<i>Chengyu Fu</i> , Zhengge Wang, <i>Yingtao Gao</i> , Jian Zhao, Yongchun Liu, <i>Xingyu Zhou</i> , <i>Rongrong Qin</i> , Yanyun Pang, <i>Bowen Hu</i> , <i>Yingying Zhang</i> , <i>Songpei Nan</i> , <i>Jinrui Zhang</i> , Xu Zhang & Peng Yang	SCI(一)区
218	Furan Ring Opening Reaction for the Synthesis of 2,5-Dicarbonyl-3-Ene-Phosphates	Organic & Biomolecular Chemistry	2023, 2135, 7219-7223	<i>Wahab, Abdul</i> ; Cheng, Guanghai; Su, Hang; Yang, Lihua; Gao, Ziwei ; Yu, Binxun	SCI(三)区
219	Scalable Synthesis of Highly Stable Cyclopropene Building Blocks: Application for Bioorthogonal Ligation with Tetrazines	Organic Chemistry Frontiers	2023, 10, 4223-4229	Lei Chen, Yuan Yang, Fei Li, Fei Jin, Bin He and Jun Yang	SCI(一)区
220	Construction of the Tetracyclic Framework of Sulfur-Containing Discorhabdin-Type Alkaloids	Organic Letters	2023, 25, 4066-4069	Zhou, Qin; Tao, Yong-Shuai; Qiao, Jin-Bao; Zhao, Yu-Ming	SCI(一)区
221	S-O-(P-Methoxyphenylethynyl)Benzyl (SMPEB) Glycosides for Catalytic Glycosylation and Their Application in the Synthesis of Polyporus Umbellatus Polysaccharides	Organic Letters	2023, 25, 6116-612	Wang, Jincai; Lan, Xinguang; Zhang, Shuangshuang; Cai, Chenglin; Zhang, Qi; Feng, Yingle; Chai, Yonghai	SCI(一)区
222	Photosensitive Fluorous Tag-assisted Convergent Synthesis of Beta-1,4-Mannuronates	Organic Letters	2023, 25, 3548-3552	Feng, Yingle; Yang, Jie; Fan, Xueqing; Zhang, Qi; Chai, Yonghai	SCI(一)区

223	Light-Promoted Ni-Catalyzed Cross-Coupling of Aryl Chlorides with Hydrazides: Application to the Synthesis of Rizatriptan	Organic Letters	2023, 25, 3287-3292	Li, Fei; Xiong, Weikang; Song, Geyang; Yan, Yonggang; Li, Gang; Wang, Chao ; Xiao, Jianliang; Xue, Dong	SCI(一)区
224	Triazine-Augmented Catalytic Activity of Cyclobutadiene Tricarbonyl Fe(0) Complexes for Thermal Decomposition of Ammonium Perchlorate	Organometallics	2023, 42, 384-391	Ashwaq Qasem, Xiao Zhang, Zunyuan Xie, Qinsheng Zhang, Huaming Sun, Ziwei Gao , Jun Yang, Huma Khan, Weiqiang Zhang, Bin Hu, and Guofang Zhang	SCI(三)区
225	Millisecond-Response Nematic Liquid Crystal for Augmented Reality Displays	Photonics	2023, 10, 1062	<i>Jiaxing Tang</i> , Ran Chen, Zhongwei An , Xinbing Chen and Pei Chen	SCI(四)区
226	Electrocatalytic Oxygen Reduction with Cobalt Corroles Bearing Cationic Substituents	Physical Chemistry Chemical Physics	2023, 256, 4604-4610	<i>Gao, Yimei</i> ; Lei, Haitao; Bao, Zijia; Liu, Xinrong; Qin, Lingshuang; Yin, Zhiyuan; Li, Huiyuan; Huang, Shu; Zhang, Wei ; Cao, Rui	SCI(三)区
227	Revisiting Photocyclization of the Donor-acceptor Stenhouse Adduct: Missing Pieces in the Mechanistic Jigsaw Discovered	Physical Chemistry Chemical Physics	2023, 2510, 7417-7422	Li, Yazhen; Zhu, Chaoyuan; Gu, Fenglong; Liu, Fengyi	SCI(三)区
228	Surface Modulation for Highly Efficient and Stable Perovskite Solar Cells	RSC Advances	2023, 13, 28097-28103	Dongliang Bai, Dexu Zheng, Shaoan Yang, Fengyang Yu, Xuejie Zhu, Lei Peng, Likun Wang, Jishuang Liu, DongYang and Shengzhong(Frank) Liu	SCI(三)区
229	Film-Based Fluorescent Sensors: From Sensing Materials to Hardware Structures	Science Bulletin	2023, 68(6), 546-548	<i>Ding, Nannan</i> ; Liu, Taihong ; Peng, Haonan ; Liu, Jing ; Ding, Liping ; Fang, Yu	SCI(一)区
230	Highly Selective Adsorption of Rhenium by Amyloid-like Protein Material	Science China- Technological Sciences	DIO:10.1007/s11431-023-2497-3	<i>Arif Muhammad</i> , Qingmin Yang, Aisha Kanwal, Jian Zhao, Mohsan Nawaz, Hao Ren, Peng Yang	SCI(二)区

231	Charge Transport Materials for Monolithic Perovskite-Based Tandem Solar Cells: A Review	Science China-Materials	2023, 666, 2107-2127	Fang, Zhimin; Nie, Ting; Yan, Nan; Zhang, Jing; Ren, Xiaodong; Guo, Xu; Duan, Yuwei; Feng, Jiangshan; Liu, Shengzhong Frank	SCI(二)区
232	Automated and Label-Free Detection of HIV DNA via Digitalmicrofluidics-Chemiluminescence Analysis	Sensors and Actuators B-Chemical	2023, 389, 133905	<i>Bing Yang , Lu Shi , Qiaorong Tang ,</i> Wei Liu, Baoxin Li , Chaoyong Yang, Yan Jin	SCI(一)区
233	High Performance Porous LaFeO ₃ Gas Sensor with Embedded P-N Junctions Enabling Ppb-Level Formaldehyde Detection	Sensors and Actuators B-Chemical	2023, 397, 134670	Changlin Xiao, Zihuan Tang, Zhuangzhuang Ma, Xiaotong Gao, Hongqiang Wang, Lichao Jia	SCI(一)区
234	An Ethanol-Induced On-Paper Perovskite Nanocrystal Crystallization Mechanism for Expiratory Alcohol Screening and Information Encryption	Sensors and Actuators B-Chemical	2023, 384, 133649	Mu, Shuang; Ren, Wei; Xu, Meng; He, Pan; Jia, Dailu; Liu, Chenghui	SCI(一)区
235	Diminishable Solvatochromic Emission of a Phenothiazine-Derived Triad for High-Performance Detection of ClO ₂	Sensors and Actuators B-Chemical	2024, 399, 134857	<i>Xinyu Gou , Zhaolong Wang, Ke Liu, Qiyuan Shi , Xue Gu ,</i> Taihong Liu, Yu Fang	SCI(一)区
236	Controllable Preparation of Imine-Based Nanofilms towards Ozone Detection and Removal	Sensors and Actuators B-Chemical	2023, 390, 133947	<i>Min Li ,</i> Jiaqi Tang, Yan Luo, Jinglun Yang, Kaiqiang Liu, Zhongshan Liu, Yu Fang	SCI(一)区
237	Controllable C ₂ H ₂ /CO ₂ Inverse Adsorption and Separation in Pillar-Layered Zn-1,2,4-Triazolate-Dicarboxylate Frameworks Induced by the Ligand Aromaticity	Separation and Purification Technology	2023, 327, 124930	<i>Li-Qiu Yang , Jia Yu ,</i> Peng Zhang, Ying Wang, Wen-Yu Yuan, Quan-Guo Zhai	SCI(一)区
238	Strengthened Surface Modification for High-Performance Inorganic Perovskite Solar Cells with 21.3% Efficiency	Small	2023, 19, 2304190	Liu, Yali; Xiang, Wanchun; Xu, Tianfei; Zhang, Hao; Xu, Haojie; Zhang, Yuchen; Qi, Wenzhuo; Liu, Lidan; Yang, Tengting; Wang, Zezhang; Liu, Shengzhong	SCI(二)区

239	Polarization-Sensitive Photodetector Based on High Crystallinity Quasi-1D Bisei Nanowires Synthesized Via Chemical Vapor Deposition	Small	2023, 19, 2302623	Li, Yubin; Wang, Shiyao; Hong, Jinhua; Zhang, Nannan; Wei, Xin; Zhu, Tao; Zhang, Yao; Xu, Zhuo; Liu, Kaiqiang ; Jiang, Man; Xu, Hua	SCI(二)区
240	Air-Stable Violet Phosphorus/MoS ₂ Van Der Waals Heterostructure for High-Responsivity and Gate-Tunable Photodetection	Small	2023, 19, 2301463	Zhang, Yao; Zhu, Tao; Zhang, Nannan; Li, Yubin; Li, Xiaobo; Yan, Minglu; Tang, Yue; Zhang, Jinying; Jiang, Man; Xu, Hua	SCI(二)区
241	Low Dimensional, Metal-Free, Hydrazinium Halide Perovskite-Related Single Crystals and Their Use as X-Ray Detectors	Small	2023, 19, 2300892	Song, Xin; Cohen, Hagai; Yin, Jun; Li, Haojin; Wang, Jiayi; Yuan, Youyou; Huang, Renwu; Cui, Qingyue; Ma, Chuang; Liu, Shengzhong (Frank) ; Hodes, Gary; Zhao, Kui	SCI(二)区
242	Large-area Black Phosphorus/PtSe ₂ Schottky Junction for High Operating Temperature Broadband Photodetectors	Small	2023, 19, 2206590	Yang, Xue; Zhou, Xi; Li, Lei; Wang, Ning; Hao, Rui; Zhou, Yanan; Xu, Hua; Li, Yingtao; Zhu, Guangming; Zhang, Zemin; Wang, Junru; Feng, Qingliang	SCI(二)区
243	Modulating the Function of Geas/ReS ₂ Van Der Waals Heterojunction with Its Potential Application for Short-Wave Infrared and Polarization-Sensitive Photodetection	Small	2023, 19, 2303335	Zhang, Jianbin; Duan, Linfan; Zhou, Nan; Zhang, Lihui; Shang, Conghui; Xu, Hua; Yang, Rusen; Wang, Xiao; Li, Xiaobo	SCI(二)区
244	Dual-Modified Electrospun Fiber Membrane as Separator with Excellent Safety Performance and High Operating Temperature for Lithium-Ion Batteries	Small	2023, 2309896	Huanbao Shi, Zitai Fu, Wenpu Xu, Naicai Xu, Xuexia He, Qi Li, Jie Sun, Ruibing Jiang, Zhibin Lei , and Zong-Huai Liu	SCI(二)区
245	Boron Quantum Dots Pillared Ti ₃ C ₂ Tx Membrane Electrode with High Rate Performance for Supercapacitor	Small	2023, 2306562	<i>Wenpu Xu</i> , <i>Anran Zhao</i> , Hexia He, and Zong-Huai Liu	SCI(二)区

246	Interfacial Designs of Mxenes for Mild Aqueous Zinc-Ion Storage	Small Methods	2023, 7, 2201683	Guo, Rui; Chen, Chaofan; Bannenberg, Lars J.; Wang, Hao; Liu, Haozhe; Yu, Minghao; Sofer, Zdenek; Lei, Zhibin ; Wang, Xuehang	SCI(二)区
247	Fabrication of Highly Catalytic Active A-Fe ₂ O ₃ -Carbon Nanotube Composites for Thermal Decomposition of Ammonium Perchlorate by Light and Temperature Control Strategy	Surfaces and Interfaces	2024, 44, 103642	Lufei Yang, Zhiyuan Mi, Haichao Fang, Ruizhe Xu, Binyang Lv, Jizhen Li, Guofang Zhang	SCI(二)区
248	Tf ₂ O/TfOH Catalytic Glycosylation Using o-(p-methoxyphenylethynyl) Benzyl Glycosides as Donors and Its Application in Synthesis of Oligosaccharides	Tetrahedron Letters	2023, 116, 154342	Xinguang Lan, Chenglin Cai, Jincal Wang, Qi Zhang, Yingle Feng, Yonghai Chai	SCI(四)区
249	Comparative Observation of Distinct Dynamic Stokes Shifts in Diaryl BODIPY Triads with Broadband Two-Photon Absorption	The Journal of Physical Chemistry B	2023, 127, 10171-10178	<i>Lu Liu , Sheng Li , Nan Zhang , Qiyuan Shi ,</i> Ke Liu, Taihong Liu , Zhiyan Huang, Liping Ding , and Yu Fang	SCI(二)区
250	Advances in Molecular Design and Photophysical Engineering of Perylene Bisimide-Containing Polyads and Multichromophores for Film-Based Fluorescent Sensors	The Journal of Physical Chemistry B	2023, 127, 828-837	Zhaolong Wang, Taihong Liu , Haonan Peng , and Yu Fang	SCI(二)区
251	Intramolecular Photoredox Reaction Mechanism of Naphthoquinone Compounds: Combined Time-Resolved Spectroscopies and DFT Calculation	The Journal of Physical Chemistry B	2023, 127, 710-716	Mingdong Dai, Mei Duan, Xuyang Li, Yan Guo, and Jiani Ma	SCI(二)区
252	Tunable Non-Kasha Behaviors and Excited-State Dynamics of Quadrupolar Squaraine Aggregates	The Journal of Physical Chemistry Letters	2023, 14, 7283-7289	<i>Nan Zhang , Lu Liu , Haixia Chang ,</i> Ke Liu, Taihong Liu , Liping Ding , and Yu Fang	SCI(二)区

253	Chain-like Structures Facilitate Li ⁺ Transport in Concentrated Aqueous Electrolytes: Insights from Ultrafast Infrared Spectroscopy and Molecular Dynamics Simulations	The Journal of Physical Chemistry Letters	2023, 14, 6968-6976	Miaomiao Zhang , Yuting Gao, Lanya Fu, Yimin Bai, Somnath Mukherjee, Cheng-Lung Chen, Jing Liu, Hongtao Bian, and Yu Fang	SCI(二)区
254	Water-Soluble Carbon Monoxide-Releasing Molecules (Corms)	Topics in Current Chemistry	DIO:10.1007/s41061-022-00413-6	Khan, Huma; Faizan, Muhammad; Niazi, Salamat Ullah Khan; Muhammad, Madiha Niazi; Zhang, Weiqiang	SCI(二)区
255	Assessing Leaching of Potentially Hazardous Elements from Cookware During Cooking: a Serious Public Health Concern	Toxics	DIO:10.3390/toxics11070640	Sultan, Saif Ali Ali; Khan, Fawad ahmed; Wahab, Abdul; Fatima, Batool; Khalid, Hira; Bahader, Ali; Safi, Sher Zaman; Selvaraj, Chandrabose; Ali, Abid; alomar, Suliman Yousef; Imran, Muhammad	SCI(三)区
256	Single Microentity Analysis-Based Ultrasensitive Bioassays: Recent Advances, Applications, and Perspectives	Trends in Analytical Chemistry	2023, 162, 117035	Wenjiao Fan, <i>Yuanyuan Dong</i> , Wei Ren, Chenghui Liu	SCI(二)区
257	基于蛋白质类淀粉样聚集的表面功能化	化学学报	2023, 81, 1566-1576	伏成玉, 周星宇, 杨鹏	SCI(四)区

