

2016年中科院纳米系统与多级次制造重点实验室发表论文列表

序号	所属 课题组	论文名称	期刊	作者	卷期	起止 页码	影响 因子	排名
1	刘鸣 华	Self-Assembled Single-Walled Metal-Helical Nanotube (M-HN):Creation of Efficient Supramolecular Catalysts for Asymmetric Reaction	J. Am. Chem. Soc.	Jian Jiang, Yan Meng, Li Zhang, and Minghua Liu*	138	1562 9- 1563 6	13.03 8	1
2	刘鸣 华	Role of Achiral Nucleobases in Multicomponent Chiral Self- Assembly:Purine-Triggered Helix and Chirality Transfer	Angew. Chem. Int. Ed.	Ming Deng, Li Zhang, Yuqian Jiang, Minghua Liu*	55	1506 2- 1506 6	11.70 9	1
3	唐智	Metal-organic frameworks as	Nature	Zhao, M. ;	539	76-	38.13	1

	勇	selectivity regulators for hydrogenation reactions		Yuan, K. ; Wang, Y. ; Li, G. ;* Guo, J. ; Gu, L. ; Hu, W. ; Zhao, H. ;* Tang, Z. *		80	8	
4	唐智勇	Ultrathin two-dimensional layered metal hydroxides: an emerging platform for advanced catalysis, energy conversion and storage.	Chemical Society Reviews	Yin, H. ; Tang, Z. *	45	4873 - 4891	34.09	1
5	唐智勇	Co <sub>3</sub> O <sub>4</sub> Hexagonal Platelets with Controllable Facets Enabling Highly Efficient Visible-Light	Advanced Materials	Gao, C. ; Meng, Q. ; Zhao, K. ; Yin,	28	6485 - 6490	18.96	1

		Photocatalytic Reduction of CO <sub>2</sub>		H. ; Wang, D. ; Guo, J. ; Zhao, S. ; Chang, L. ; He, M. ; Li, Q. ; Zhao, H. ; Huang, X. ;* Gao, Y. ;* Tang, Z. *				
6	唐智勇	Advanced Inorganic Nanoarchitectures from Oriented Self-Assembly.	Advanced Materials	Lu, C. ;* Tang, Z. *	28	1096 - 1108	18.96	1
7	唐智勇	Efficient polysulfide chemisorptions in covalent organic frameworks for high-	Advanced Energy Materials	Ghazi, Z. A. ; Zhu, L. ; Wang, H. ; Naeem, A. ;	6	1601 250	15.23	1

		performance lithium-sulfur batteries		Khattak, A. M.; Liang, B.; Khan, N. A.; Wei, Z.; Li, L.;* Tang, Z.*				
8	唐智 勇	Chirality-discriminated conductivity of metal-amino acid biocoordination polymer nanowires	ACS Nano	Zheng, J.; Wu, Y.; Deng, K.; He, M.; He, L.; Cao, J.; Zhang, X.; Liu, Y.;* Li, S.;* Tang, Z.*	10(9 )	8564 - 8570	13.33 4	1
9	唐智 勇	High hole mobility in long-range ordered 2D lead sulfide	Advanced Functional	Zhao, M.; Yang, F.;	26	5182 -	11.38 2	1

		nanocrystal monolayer films	Materials	Liang, C. ; Wang, D. ; Ding, D. ; Lv, J. ; Zhang, J. ; Hu, W. ; Lu, C. ; * Tang, Z. *		5188		
10	唐智 勇	Ultra-stable Silica-coated Chiral Au-Nanorod Assemblies: Core-shell Nanostructures with Enhanced Chiroptical Properties	Nano Research	Han, B. ; Shi, L. ; Gao, X. ; Guo, J. ; Hou, K. ; Zheng, Y. ; Tang, Z. *	9(2)	451- 457	8.893	1
11	唐智 勇	A redox-active 2D covalent organic framework with pyridine moieties capable of faradaic	J. Mater. Chem. A	Khattak, A. M. ; Ghazi, Z. A. ; Liang, B. ;	4	1631 2- 1631	8.262	1

		energy storage		Khan, N. A. ; Iqbal, A. ; Li, L. ;* Tang, Z.*		7		
12	唐智 勇	Cu <sub>2</sub> O clusters grown on TiO <sub>2</sub> nanoplates as efficient photocatalysts for hydrogen generation	Inorganic Chemistry Frontiers	Zhao, K. ; Zhao, S. ; Qi, J. ; Yin, H. ; Gao, C. ; Khattak, A.M; Wu, Y. ; Iqbal, A. ; Wu, L. ; Gao, Y. ;* Yu, R. ;* Tang, Z.*	3	488- 493	4.532	1
13	唐智 勇	Three dimensional iron oxide/graphene aerogel hybrids as	RSC Advances	Khattak, A. M. ; Yin, H. ;	6	5899 4-	3.289	1

		all-solid-state flexible supercapacitor electrodes		Ghazi, Z. A. ; Liang, B. ; Iqbal, A. ; Khan, N. A. ; Gao, Y. ; Li, L. ; * Tang, Z. *		5900 0		
14	唐智勇	Ultra-thin metal organic framework for oxygen evolution.	Nature Energy	Zhao, S. ; Wang, Y. ; Dong, J. ; He, C. -T. ; Yin, H. ; An, P. ; Zhao, K. ; Zhang, X. ; Gao C. ; Zhang, L. ;	1	1618 4		1

				<p>Lv, J.; Wang, J.; Zhang, J.; Khattak, A. M.; Khan, N. A.; Wei, Z.; Zhang, J.; Liu, S.*; Zhao, H.*; Tang, Z.*</p>				
15	唐智勇	<p>High-Performance Fiber-Shaped All-Solid-State Asymmetric Supercapacitors Based on Ultrathin MnO<sub>2</sub> nanosheet/Carbon Fiber Cathodes for Wearable</p>	<p>Advanced Energy Materials</p>	<p>Yu, N.; Yin, H.; Zhang, W.; Liu, Y.; Tang, Z.*; Zhu, M.*</p>	6	1501 458	15.23	1



		Electronics						
16	唐智勇	Integration of inherent and induced chirality into subphthalocyanine analogue	Scientific Reports	Zhao, L. ; Qi, D. ; Wang, K. ; Wang, T. ; Han, B. ; Tang, Z. ;* Jiang, J.*	6	2802 6	5.228	1
17	唐智勇	Molecular engineering of Ni-/Co-porphyrin multilayers on reduced graphene oxide sheets as bifunctional catalysts for oxygen evolution and oxygen reduction reactions	Chemical Science	Sun, J. ; Yin, H. ; Liu, P. ; Wang, Y. ; Yao, X. ;* Tang, Z. ;* Zhao, H. .	7	5640 - 5646	9.144	1
18	唐智勇	Magnetic Polydopamine Decorated with Mg-Al LDH Nanoflakes as a	J. Mater. Chem. A	Li, J. ; Fan, Q. ; Wu, Y. ;	4	1737 -	8.262	1

		Novel Bio-based Adsorbent for Simultaneous Removal of Potentially Toxic Metals and Anionic Dyes		Wang, X. ; Chen, C. ; Tang, Z. ;* Wang, X.		1746		
19	唐智勇	Helical aromatic imide based enantiomers with full-color circularly polarized luminescence.	Chemical Communications	Li, M. ; Lu, H. ;* Zhang, C. ; Shi, L. ; Tang, Z. ; Chen, Ch.*	52	9921 - 9924	6.567	5
20	丁黎明	Development of isomer-free fullerene bisadducts for efficient polymer solar cells	Energy & Environmental Science	Zuo Xiao, Xinjian Geng, Dan He, Xue Jia, Liming Ding*	9(6)	2114 - 2121	25.42 7	1

21	丁黎明	Advances in Perovskite Solar Cells	Adv. Sci	Chuantian Zuo, Henk J. Bolink, Hongwei Han, Jinsong Huang, David Cahen*, Liming Ding*	3(7)	1500 324	6	1
22	丁黎明	A heptacyclic acceptor unit developed for D-A copolymers used in polymer solar cells	Polym. Chem	Jiamin Cao, Liu Qian, Liming Ding*	7(5)	1027 - 1030	5.687	1
23	丁黎明	A pentacyclic building block containing an azepine-2,7-dione moiety for polymer solar cells	Polym. Chem	Dan He, Liu Qian, Liming Ding*	7(13) )	2329 - 2332	5.687	1

24	丁黎明	The effect of fluorination on the photovoltaic performance of the D - A copolymers containing naphtho[2,3-c]thiophene-4,9-dione and bithiophene moieties	Polym. Chem	Dan He, Xinjian Geng, Liming Ding*	7(31)	4993 - 4997	5.687	1
25	丁黎明	High-Performance Polymer Tandem Solar Cells Employing a New n-Type Conjugated Polymer as an Interconnecting Layer	Advanced Materials	Kai Zhang, Ke Gao, Ruoxi Xia, Zhihong Wu, Chen Sun, Jiamin Cao, Liu Qian, Weiqi Li, Shiyuan Liu, Fei Huang*,	28(24)	4817 - 4823	18.96	1

				Xiaobin Peng*, Liming Ding*, Hin-Lap Yip*, Yong Cao				
26	丁黎明	D - A copolymers with the benzo[1,2-b:4,5-c' ]-dithiophene- 4,8-dione acceptor unit for polymer solar cells	Polym. Chem	Xiaojuan Zhao, Liu Qian, Jiamin Cao, Shouke Yan*, Liming Ding*	7(6)	1226 - 1229	5.687	1
27	丁黎明	A zigzag fused-ring building block for polymer solar cells	New Journal of Chemistry	Nan Xiao, Liu Qian, Jiamin Cao, Xiaojuan Zhao, Aihong Han*, Liming	40(6 )	4895 - 4898	3.277	1

				Ding*				
28	丁黎明	Alloy Acceptor: Superior Alternative to PCBM toward Efficient and Stable Organic Solar Cells	Advanced Materials	Pei Cheng, Cenqi Yan, Yang Wu, Jiayu Wang, Meng Qin, Qiaoshi An, Jiamin Cao, Lijun Huo, Fujun Zhang, Liming Ding, Yanming Sun, Wei Ma, Xiaowei	28(3 6)	8021 - 8028	18.96	10
29	孙向	Active Morphology Control for	Advanced	Xiangnan Sun,	28(1	2609	18.96	1

	南	Concomitant Long Distance Spin Transport and Photoresponse in a Single Organic Device	Materials	Amilcar Bedoya-Pinto, Zupan Mao, Marco Gobbi, Wenjing Yan, Yunlong Guo, Ainhoa Atxabal, Roger Llopis, Gui Yu, Yunqi Liu, Andrey Chuvilin, Felix Casanova, Luis	3)	- 2615		
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				E. Hueso*.				
30	孙向南	Spin doping using transition metal phthalocyanine molecules	Nature Communications	Ainhoa Atxabal, Mario Ribeiro, Subir Parui, Leire Urreta, Edurne Sagasta, Xiangnan Sun, Roger Llopis, Felix Casanova, and Luis Hueso*.	7	13751	11.329	6
31	孙向南	Frequency driven inversion of tunnel magnetoimpedance and	Applied Physics	Subir Parui*, Mário	109(5)	52401	3.142	5



		observation of positive tunnel magnetocapacitance in magnetic tunnel junctions	Letters	Ribeiro, Ainhoa Atxabal, Amilcar Bedoya-Pinto, Xiangnan Sun, Roger Llopis, Fèlix Casanova, Luis E. Hueso*.				
32	智林 杰	Encapsulating V2O5 into Carbon Nanotube Enables Flexible High-Performance Lithium Ion Batteries	Energy & Environmental Science	Debin Kong, Xianglong Li, Yunbo Zhang, Xiao Hai, Bin	9(3)	906- 911	25.42 7	1

				Wang, Xiongying Qiu, Qi Song, Quan- Hong* and Linjie Zhi*				
33	智林 杰	Carbon-Network-Integrated SnSiO <sub>x+2</sub> Nanofiber Sheathed by Ultrathin Graphitic Carbon for Highly Reversible Lithium Storage[J].	Advanced Energy Materials	Haiyong He, Debin Kong, Bin Wang, Wei Fu, Xiongying Qiu, Quan-Hong Yang and Linjie Zhi*	6(10 )	1502 495( 1-8)	15.23	1
34	智林 杰	Tin nanoparticles encapsulated in graphene backboned carbonaceous	Nano Energy	Bin Luo, Tengfei Qiu,	22	232- 240	11.55 3	1

		foams as high-performance anodes for lithium-ion and sodium-ion storage[J].		Delai Ye, Lianzhou Wang* and Linjie Zhi*				
35	智林 杰	All-biomaterial supercapacitor derived from bacterial cellulose	Nanoscale	Xiangjun Wang, Debin Kong, Yunbo Zhang, Bin Wang, Xianglong Li, Tengfei Qiu, Qi Song, Jing Ning, Yan Song* and Linjie Zhi*	8(17 )	9146 - 9150	7.76	1

36	智林杰	Cation-induced fast growth of ultrathin cuprous chloride nanoplatelets	CrystEngComm	Zhongzheng Miao, Minghui Liang, Zhichang Xiao, Badshah Amir, Xianglong Li and Linjie Zhi*	18(19)	3340-3342	3.849	1
37	智林杰	Reversible Functionalization: A Scalable Way to Deliver the Structure and Interface of Graphene for Different Macro Applications	Advanced Materials Interfaces	Zhongzheng Miao, Xianglong Li*, Xinghao Zhang, Min Zhou, Jing Ning, Lixiao	3(8)	1500842(1-8)	3.365	1

				Miao, Xiongying Qiu, Meihua Jin and Linjie Zhi*				
38	智林 杰	Controlled functionalization of graphene with carboxyl moieties toward multiple applications[J].	RSC Advances	Zhongzheng Miao, Xianglong Li* and Linjie Zhi*	6(63 )	5856 1- 5856 5	3.289	1
39	智林 杰	Activated pyrolysed bacterial cellulose as electrodes for supercapacitors	Science China Chemistry	Xiangjun Wang, Debin Kong, Bin Wang, Yan Song* and Linjie Zhi*	59(6 )	713- 718	2.429	1

40	智林杰	Porous graphene oxide-based carbon artefact with high capacity for methylene blue adsorption	Adsorption- Journal Of The International Adsorption Society	Debin Kong, Xiaoyu Zheng, Ying Tao, Wei Lv, Yang Gao, Linjie Zhi* and Quan-Hong Yang*	22(8)	1043-1050	1.87	1
41	智林杰	石墨烯化聚合物：一种兼具电子和离子传输通道的三维富碳高分子能源材料	Acta Physico-Chimica Sinica	梁家旭，肖志昌，智林杰*	32(10)	2390-2398	0.844	1
42	智林杰	Continuous carbon nanofiber bundles with tunable pore structures and functions for	Energy Storage Materials	Lin Shi, Xianglong Li, Yuying	5	43-49		1

		weavable fibrous supercapacitors		Jia, Debin Kong, Haiyong He, Manfred Wagner, Klaus Mullen and Linjie Zhi*				
43	丁宝 全	A Photosensitizer-Loaded DNA Origami Nanosystem for Photodynamic Therapy	ACS Nano	Xiaoxi Zhuang, Xiaowei Ma*, Xiangdong Xue, Qiao Jiang, Linlin Song, Luru Dai, Chunqiu Zhang, Shubin Jin,	10(3 )	3486 - 3495	13.33 4	10

				Keni Yang, Baoquan Ding, Paul C. Wang, and Xing-Jie Liang*				
44	丁宝 全	DNA-Based Nanotemplate Directed In Situ Synthesis of Silver Nanoclusters with Specific Fluorescent Emission: Surface- Guided Chemical Reactions	Chem. Mater.	Zhen-Gang Wang, Qing Liu, Na Li, and Baoquan Ding*	28 (23)	8834 - 8841	9.407	1
45	丁宝 全	DNA-Nanostructure - Gold-Nanorod Hybrids for Enhanced In Vivo Optoacoustic Imaging and Photothermal Therapy	Advanced Materials	Yang Du, Qiao Jiang, Nicolas Beziere, Linlin Song,	28(4 5)	1000 0- 1000 7	18.96	1



				<p>Qian Zhang,  Dong Peng,  Chongwei Chi,  Xin Yang,  Hongbo Guo,  Gaël Diot,  Vasilis  Ntziachristos,  * Baoquan  Ding,* and Jie  Tian*</p>				
46	丁宝全	Observation of intracellular interactions between DNA origami and lysosomes by the fluorescence	Chemical Communications	<p>Meifang Fu,  Luru Dai, Qiao  Jiang, Yunqing</p>	52	9240 - 9242	6.567	1

		localization method		Tang, Xiaoming Zhang, Baoquan Ding* and Junbai Li*				
47	丁宝 全	The study of the paranemic crossover (PX) motif in the context of self-assembly of DNA 2D crystals	Org. Biomol. Chem.	Weili Shen, Qing Liu, Baoquan Ding, Zhiyong Shen, *Changqing Zhu* and Chengde Mao*	14	7187 — 7190	3.559	3
48	丁宝 全	Self-Assembled DNA Nanostructures for Drug Delivery	Chinese Journal of Chemistry	Ruokun Jia, Ting Wang, Qiao Jiang,	34	265 —	1.872	1

				Zhengang Wang, Chen Song, and Baoquan Ding*		272		
49	丁宝 全	Plasmonic Toroidal Metamolecules Assembled by DNA Origami	J. Am. Chem. Soc.	Maximilian J. Urban, Palash K. Dutta, Pengfei Wang, Xiaoyang Duan, Xibo Shen, Baoquan Ding,* Yonggang Ke,* and Na	138 (17)	5495 - 5498	13.03 8	1

				Liu*				
50	王汉夫、褚卫国、孙连峰	Graphite assisted synthesis of nanoparticles interconnected porous two-dimensional LiMn <sub>2</sub> O <sub>4</sub> nanoplates with superior performance	Journal of Power Sources	X.H. Tan , H.Q. Liu, Y. Jiang , G.Y. Liu , Y.J. Guo , H.F. Wang* , L.F. Sun*, W.G. Chu*	328	345- 354	6.333	1
51	王汉夫	Flexible n-Type High-Performance Thermoelectric Thin Films of Poly(nickel-ethylenetetra-thiolate) Prepared by an electrochemical Method	Advanced Materials	Yuanhui Sun , Lin Qiu , Liangpo Tang , Hua Geng , Hanfu Wang ,	28	3351 - 3358	18.96	5

				<p>Fengjiao  Zhang ,Dazhen  Huang , Wei  Xu*, Peng  Yue , Ying-shi  Guan , Fei  Jiao , Yimeng  Sun , Dawei  Tang , Chong-  an Di ,  Yuanping Yi* ,  and Daoben  Zhu*</p>				
52	王汉	High-performance organic	J. Mater.	Guangbao Wu,	4	1418	8.262	1

	夫	thermoelectric modules based on flexible films of a novel n-type singlewalled carbon nanotube	Chem. A	Caiyan Gao, Guangming Chen*, Xin Wang* and Hanfu Wang*		7 - 1419 3		
53	施兴华	Rotation-Facilitated Rapid Transport of Nanorods in Mucosal Tissues	Nano Letters	Yu, Miaorong; Wang, Jiuling; Yang, Yiwei; Zhu, Chunliu; Su, Qian; Guo, Shiyan; Sun, Jiashu; Gan, Yong*; Shi, Xinghua*; Gao,	16(1 1)	7176 - 7182	13.77 9	1

				Huajian*				
54	施兴华	Grain boundary and curvature enhanced lithium adsorption on carbon	Carbon	Pang, Zhenqian; Shi, Xinghua; Wei, Yujie; Fang, Daining	107	557-563	6.198	2
55	施兴华	Nonspecific Organelle-Targeting Strategy with Core-Shell Nanoparticles of Varied Lipid Components/Ratios	Analytical Chemistry	Zhang, Lu; Sun, Jiashu; Wang, Yilian; Wang, Jiancheng; Shi, Xinghua; Hu, Guoqing	88(14)	7344-7351	5.886	5
56	褚卫	Vertically porous nickel thin	Journal of	Li, XJ; Song,	483	17-	3.782	1

	国、 贺蒙	film supported Mn3O4 for enhanced energy storage performance	Colloid and Interface Science	ZW Zhao, Y; Wang, Y; Zhao, XC*;Liang, MH*; Chu, WG*; Jiang, P*; Liu, Y		25		
57	褚卫 国	Fabrication of single-crystal silicon nanotubes with sub-10 nm walls using cryogenic inductively coupled plasma reactive ion etching	Nanotechnology	Li, ZQ ; Chen, YQ ; Zhu, XP ; Zheng, MJ ; Dong, FL; Chen, PP; Xu, LH; Chu, WG*; Duan, HG*	27 (36)	3653 02	3.573	1



58	褚卫国、孙连峰	Effective enhancement of the mechanical properties of macroscopic single-walled carbon nanotube fibers by pressure treatment	RSC Advances	Hou, G; Wang, G; Deng, Y; Zhang, J; Nshimiyimana, JP; Chi, XN; Hu, X; Chu, WG*; Dong, HW*; Zhang, Z; Liu, LQ; Sun, LF*	6 (99)	9701 2- 9701 7	3.289	1
59	褚卫国	High efficiency room temperature detection of NO <sub>2</sub> gas based on ultrathin metal/graphene devices	RSC Advances	Zhao, M; Dong, FL; Yan, LQ; Xu, LH; Zhang, XF; Chen, PP;	6 (87)	8408 2- 8408 9	3.289	1

				Song, ZW; Chu, WG*				
60	褚卫国	Thinning of n-layer MoS2 by annealing a palladium film under vacuum	RSC Advances	Deng, Y; Chen, MJ; Zhang, J; Hu, X; Zhao, Y; Nshimiyimana, JP; Chi, XN; Hou, G; Chu, WG*; Sun, LF*	6 (56)	5059 5- 5059 8	3.289	1
61	褚卫国	Visible-Frequency Dielectric Metasurfaces for Multiwavelength Achromatic and Highly Dispersive Holograms	Nano Letters	Wang, B ; Dong, FL ; Li, QT; Yang, D ; Sun, CW; Chen,	16 (8)	5235 - 5240	13.77 9	1

				JJ ; Song, ZW; Xu, LH; Chu, WG*; Xiao, YF; Gong, QH ; Li, Y*				
62	褚卫 国	Study on evolving phases of accelerating generalized polygon beams	Optics Expre ss	Zhang, YT; Dong, FL; Qian, KM; Zhang, QC*; Chu, WG*; Ma, X; Wu, XP	24 (5)	5300 - 5310	3.148	1
63	褚卫 国	Polarization-independent and high-efficiency dielectric metasurfaces for visible light	Optics Expre ss	Li, QT; Dong, FL; Wang, B; Gan, FY; Chen,	24 (15)	1630 9- 1631	3.148	1

				JJ; Song, ZW; Xu, LX; Chu, WG*; Xiao, YF; Gong, QH; Li, Y*		9		
64	周二 军	Effect of fluorination and symmetry on the properties of polymeric photovoltaic materials based on asymmetric building block	RSC Advances	Xiaochen Wang, Ailing Tang, Yu Chen, Asif Mahmood, Jianhui Hou, Zhixiang Wei, Erjun Zhou*	6	9005 1- 9006 0	3.289	1
65	周二 军	基于引达省并二噻吩及其衍生结构的 有机光伏材料研究进展	Chinese Journal of	翟文超, 周二军 *	36	2786 -	1.309	1

			Organic Chemistry			2812		
66	周二 军	Naphthodithiophene Diimide-Based Copolymers: Ambipolar Semiconductors in Field-Effect Transistors and Electron Acceptors with Near-Infrared Response in Polymer Blend Solar Cells	Macromolecu les	Kyohei Nakano, Masahiro Nakano, Bo Xiao, Erjun Zhou*, Kaori Suzuki, Itaru Osaka, Kazuo Takimiya* and Keisuke Tajima*	49	1752 - 1760	5.554	1
67	孙连 峰	Thickness-dependent morphologies of Ag on n-layer MoS2 and its	Nano Research	Ya Deng, Minjiang Chen,	9	1682 -	8.893	1

		surface-enhanced Raman scattering		Jian Zhang, Zihao Wang, Wenbin Huang, Yun Zhao, Jean Pierre Nshimiyimana, Xiao Hu, Xiannian Chi, Gu Hou, Xueyao Zhang, Yanjun Guo, Lianfeng Sun*		1688		
68	孙连 峰	Thinning of n-layer MoS2 by annealing a palladium film under	RSC Advances	Ya Deng, Minjiang Chen,	6	5059 5-	3.289	1

		vacuum,		Jian Zhang, Xiao Hu, Yun Zhao, Jean Pierre Nshimiyimana, Xiannian Chi, Gu Hou, Weiguo Chu*, Lianfeng Sun*		5059 8		
69	孙连 峰	Investigations on the wettability of graphene on a micron-scale hole array substrate	RSC Advances	Yun Zhao, Gang Wang, Wenbin Huang, Xiaokun Fan, Ya Deng, Jian Zhang,	6	1999 - 2003	3.289	1

				Tongbo Wei, Ruifei Duan*, Junxi Wang, Lianfeng Sun*				
70	孙连峰	Large-scale synthesis and electrical transport properties of single-crystalline SmB6 nanowires	Journal of Physics D: Applied Physics	Y. Zhou, Yuehua Peng, Yanling Yin, Weichang Zhou, Fang Zhou, Chang Liu, Guangtong Liu, Lianfeng Sun, Dongsheng Tang*	49	265-302	2.772	8



71	鄢勇	Chemoelectronic circuits based on metal nanoparticles	Nature Nanotechnology	Yong Yan, Scott C. Warren, Patrick Fuller and Bartosz A. Grzybowski*	11	603-608	35.267	1
72	贺蒙	Co3O4 Hexagonal Platelets with Controllable Facets Enabling Highly Efficient Visible-Light Photocatalytic Reduction of CO2	Advanced materials	Chao Gao, Qiangqiang Meng, Kun Zhao, Huajie Yin, Dawei Wang, Jun Guo, Shenlong Zhao, Lin Chang,	28	6485-6490	18.96	9

				Meng He, Qunxiang Li, Huijun Zhao, Xingjiu Huang, Yan Gao and Zhiyong Tang*				
73	贺蒙	Chirality-Discriminated Conductivity of Metal-Amino Acid Biocoordination Polymer Nanowires	ACS Nano	Jianzhong Zheng, Yijin Wu, Ke Deng, Meng He, Liangcan He, Jing Cao, Xugang Zhang, Yaling Liu,	10	8564 - 8570	13.33 4	4

				Shunxing Li, and Zhiyong Tang*				
74	贺蒙	Ternary Oxides in the TiO <sub>2</sub> -ZnO System as Efficient Electron- Transport Layers for Perovskite Solar Cells with Efficiency over 15%	ACS Appl. Mater. Interfaces	Xiong Yin, Zhongzhong Xu, Yanjun Guo, Peng Xu, and Meng He*	8	2958 0- 2958 7	7.145	1
75	贺蒙	In Situ Growth of Highly Adhesive Surface Layer on Titanium Foil as Durable Counter Electrodes for Efficient Dye-sensitized Solar Cells	Scientific reports	Wantao Liu, Peng Xu, Yanjun Guo, Yuan Lin, Xiong Yin, Guangshi Tang	6	3459 6, 1-9	5.228	1

				and Meng He*					
76	贺蒙	Seeing Modulability Self-Assembled Monolayers of pi-Conjugated Perylene Derivatives by Scanning Tunneling Microscopy	Journal of Physical Chemistry C	Xiao-Ping Liu, Ling-Wei Xue, Qian Wei, Minghui Liang, Ke Deng*, Zhan-Jun Zhang*, Peng Jiang*	120(33)	7-18615	1860	4.509	4
77	贺蒙	Cation-induced fast growth of ultrathin cuprous chloride nanoplatelets	CrystEngComm	Zhongzheng Miao, Minghui Liang, Zhichang Xiao, Badshah Amir,	18(19)	3340-3342	3340	3.849	2

				Xianglong Li*, Linjie Zhi*				
78	贺蒙	Morphology and chemical characteristics of micro- and Nano-particles in the haze in Beijing studied by XPS and TEM/EDX	Science of the Total Environment	Peng Xu, Jianxun Xu, Meng He, Lexin Song, Dongliang Chen, Guangsheng Guo, Hongxing Dai	565	827 - 832	3.976	3
79	贺蒙	Controllable incoherent growth of a surface toward gold nanocrystals with regular	CrystEngCom m	Tengjiao Liu, Wei Guo, Minghui	18	4713 - 4719	3.849	1

		multibumps		Liang,* Yongzhong Bian*, Peng Jiang*				
80	贺蒙	Self-assembly of trithia-9-crown-3 and octathia-24-crown-8 on Au(111) surfaces	RSC Advances	Xiao-Ping Liu, Ke Deng, Qian Wei, Minghui Liang, Zhan- Jun Zhang*, Peng Jiang*	6(85 )	8172 6- 8173 0	3.289	4
81	贺蒙	Spongy carbon film deposited on a separated substrate as counter electrode for perovskite-based solar cell	Materials letters	Ningning Zhang, Yanjun Guo, Xiong Yin, Meng He,	182	248- 252	2.437	1

				Xiaoping Zou				
82	贺蒙	In situ growth of MoS <sub>2</sub> nanosheets on reduced graphene oxide (RGO) surfaces: interfacial enhancement of absorbing performance against electromagnetic pollution	Phys. Chem. Chem. Phys.	Aming Xie, Mengxiao Sun, Kun Zhang, Wanchun Jiang, Fan Wu and Meng He*	18	2493 1-- 2493 6	4.449	1
83	贺涛	Flower-like CdS/CdV <sub>2</sub> O <sub>6</sub> composite for visible-light photoconversion of CO <sub>2</sub> into CH <sub>4</sub>	Materials & Design	Sana Ijaz, Muhammad Fahad Ehsan, Muhammad Naeem Ashiq,* Nazia Karamat, Muhammad	107	178 - 186	3.997	1

				Najam-ul-Haq, Tao He*				
84	贺涛	Photocatalytic Reduction of CO <sub>2</sub> over Heterostructure Semiconductors into Value-Added Chemicals	Chemical Record	Lingju Guo, Yanjie Wang, Tao He*	16 (4)	1918 - 1933	3.459	1
85	贺涛	Fabrication of olive-like BiVO <sub>4</sub> hierarchical architecture with enhanced visible-light photocatalytic activity	RSC Advances	Bin Wang, Lingju Guo, Tao He*	6 (36)	3011 5 - 3012 4	3.289	1
86	贺涛	Preparation of CdS/CeO <sub>2</sub> core/shell composite for photocatalytic reduction of CO <sub>2</sub> under visible-light irradiation	Applied Surface Science	Sana Ijaz, Muhammad Fahad Ehsan, Muhammad Naeem	390	550 - 559	3.15	1



				Ashiq,* Nazia Karamat, Tao He*				
87	贺涛	Design and analysis of a square spiral nano-rectenna for infrared energy harvest and conversion	Optical Materials Express	Kai Wang, Haifeng Hu, Shan Lu, Lingju Guo,* Tao Zhang, Yunzhong Han, Aosong Zhou,Tao He*	6 (12)	3977 - 3991	2.657	1
88	贺涛	Simple colorimetric detection of dopamine using modified silver nanoparticles	Science China Chemistry	Sivakumar Palanisamy, Xuehua Zhang,*	59 (4)	387 - 393	2.429	1

				Tao He*				
89	贺涛	酸碱度调控氧化锌纳米材料形貌及其光催化还原 CO2 研究	物理化学学报	胡海峰, 贺涛*	32 (2)	543 - 550	0.844	1
90	贺涛	Synthesis and characterization of polyaniline/Zr-Co substituted nickel ferrite (NiFe <sub>1.2</sub> Zr <sub>0.4</sub> Co <sub>0.4</sub> O <sub>4</sub> ) nanocomposites: their application for the photo-degradation of methylene blue	Desalination and Water Treatment	Muhammad Aamir, Muhammad Naeem Ashiq,* Ghazala Yasmeen, Bashir Ahmad, Muhammad Fahad Ehsan, Tao He	57 (26)	1216 8 - 1217 7	1.272	6
91	刘前	Boosting Light Emission from Two-	Nanoscale	Cong Wang,	8	5820	7.76	1

		Dimensional GaSe Sheets by Optical Anisotropy Engineering		Shengxue Yang, Hui Cai, Can Ataca, Hui Chen, Xinzheng Zhang, Jingjun Xu, Bin Chen, Kedi Wu, Haoran Zhang, Luqi Liu‡, Jingbo Li, Jeffrey C. Grossman, Sefaattin Tongay, Qian		- 5825		
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				Liu*				
92	刘前	Gate-tunable Diode-like Current Rectification and Ambipolar Transport in Multilayer van der Waals ReSe <sub>2</sub> /WS <sub>2</sub> p-n Heterojunctions	Phys. Chem. Chem. Phys.	Cong Wanga, Shengxue Yang, Wenqi Xiong, Congxin Xia, Hui Cai, Bin Chen, Xiaoting Wang, Xinzheng Zhang, Zhongming Wei, Sefaattin Tongaye, Jingbo Li, Qian Liu*	18	2775 0- 2775 3	4.449	1

93	刘前	A novel hanging bowl-shaped mask cutting sidewall effects	Front. Phys	Dongxue Chen, Qian Liu*	11(1 )	1168 05(1 -4)	2.462	1
94	刘前	An atomically thin wrinkled-GaSe strain sensor	Front. Phys	Cong Wang, Sheng-Xue Yang, Hao-Ran Zhang, Le-Na Du, Lei Wang, Feng-You Yang, Xin-Zheng Zhang, Qian Liu*	11(2 )	1168 02(1 -5)	2.462	1
95	刘前	Self-power photodiode and ambipolar transistor in	ACS Appl. Mater.	Shengxue Yang, Cong Wang, Yan	8	2533 -	7.145	1

		atomically thin GaTe-MoS2 p-n vdW heterostructure	Interfaces	Li, Hui Chen, Hui Cai, Can Ataca, Aslihan Suslu, G. C. Grossman, Chengbao Jiang, Qian Liu*, and Sefaattin Tongay*		2539		
96	刘前	Photoconductive probing of the trap distribution in BSNN/FTO switchable interface	Nanoscale	Ye Tian, Jianming Zhang, Chuan Fei Guo,	8	915- 920	7.76	1

				Baoshun Zhang, Qian Liu*				
97	魏志 祥	Acceptor End-Capped Oligomeric Conjugated Molecules with Broadened Absorption and Enhanced Extinction Coefficients for High- Efficiency Organic Solar Cells	Advanced Materials	Liu Yuan, Kun Lu*, Benzheng Xia, Jianqi Zhang, Zhen Wang, Zaiyu Wang, Dan Deng, Jin Fang, Lingyun Zhu* and Zhixiang Wei*	28 (28)	5980 - 5985	18.96	1
98	魏志	Efficient Polysulfide	Adv. Energy	Zahid Ali		1601	15.23	8

	祥	Chemisorption in Covalent Organic Frameworks for High-Performance Lithium-Sulfur Batteries	Mater.	Ghazi, Lingyun Zhu, Han Wang, Abdul Naeem, Abdul Muqsit Khattak, Bin Liang, Niaz Ali Khan, Zhixiang Wei, Lianshan Li,* and Zhiyong Tang*		250- 1601 255		
99	魏志 祥	Fluorination-enabled optimal morphology leads to over 11% efficiency for inverted small-	Nature Communicati ons	Dan Deng#, Yajie Zhang#, Jianqi Zhang,	7	1374 0	11.32 9	1



		molecule organic solar cells		Zaiyu Wang, Lingyun Zhu, Jin Fang, Benzheng Xia, Zhen Wang, Kun Lu*, Wei Ma* and Zhixiang Wei*				
100	魏志 祥	Naphtho[1,2-b:5,6- b']dithiophene-Based Small Molecules for Thick-Film Organic Solar Cells with High Fill Factors	Chem. Mater.	Xiangwei Zhu, Benzheng Xia, Kun Lu*, Huan Li, Ruimin Zhou, Jianqi Zhang, Yajie	28 (3)	943- 950	9.407	1

				Zhang, Zhigang Shuai and Zhixiang Wei*				
101	魏志 祥	A polyimide derivative containing different carbonyl groups for flexible lithium ion batteries	J. Mater. Chem. A	Haiping Wu, Qian Yang, Q. H. Meng, A. Ahmad, M. Zhang, L. Y. Zhu, Y. G. Liu and Zhixiang Wei*	4	2115 - 2121	8.262	1
102	魏志 祥	A conformational locking strategy in linked-acceptor type polymers for organic solar cells	Polym. Chem.	Benzheng Xia, Kun Lu*, Liu Yuan, Jianqi	7 (6)	1323 - 1329	5.687	1

				Zhang, Lingyun Zhu, Xiangwei Zhu, Dan Deng, Huan Li and Zhixiang Wei*				
103	魏志祥	Dialkoxyphenyldithiophene-based small molecules with enhanced absorption for solution processed organic solar cells	RSC Advances	Junjue Zhao, Benzheng Xia, Kun Lu*, Dan Deng, Liu Yuan, Jiangqi Zhang, Lingyun Zhu, Xiangwei Zhu, Huan Li and Zhixiang	6 (65)	6059 5- 6060 1	3.289	1

				Wei*				
104	魏志祥	A graphene supported polyimide nanocomposite as a high performance organic cathode material for lithium ion batteries	RSC Advances	Aziz Ahmad, Haiping Wu, Yufen Guo, Qinghai Meng, Yuena Meng, Kun Lu, Liwei Liu* and Zhixiang Wei*	6	3328 7 - 3329 4	3.289	1
105	魏志祥	Effect of fluorination and symmetry on the properties of polymeric photovoltaic materials based on an asymmetric building block	RSC Advances	Xiaochen Wang, Ailing Tang, Yu Chen, Asif Mahmood, Jianhui Hou,	6	9005 1 - 9006 0	3.289	6

				Zhixiang Wei and Erjun Zhou*				
106	魏志 祥	Naphthodithiophene- based donor materials for solution processed organic solar cells	Chinese Chem ical Letters	Xiangwei Zhu, Kun Lu *, Huan Li, Ruimin Zhou, and Zhixiang We i*	27 (8)	1271 - 1276	1.947	1
107	魏志 祥	Ultrathin metal - organic framework nanosheets for electrocatalytic oxygen evolution	Nature Energy	Shenlong Zhao, Yun Wang, Juncai Dong, Chun-Ting He, Huajie Yin,	1	1618 4		17

				Pengfei An, Kun Zhao, Xiaofei Zhang, Chao Gao, Lijuan Zhang, Jiawei Lv, Jinxin Wang, Jianqi Zhang, Abdul Muqsit Khattak, Niaz Ali Khan, Zhixiang Wei, Jing Zhang, Shaoqin Liu*,				
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				Huijun Zhao* and Zhiyong Tang*				
108	魏志 祥	Over 11% Efficiency in Tandem Polymer Solar Cells Featured by a Low-Band-Gap Polymer with Fine- Tuned Properties	Advanced Materials	Zhong Zheng, Shaoqing Zhang, Jianqi Zhang, Yunpeng Qin, Wanning Li, Runnan Yu, Zhixiang Wei and Jianhui Hou*	28 (25)	5133 - 5138	18.96	7
109	魏志 祥	Deepening Insights of Charge Transfer and Photophysics in a	Advanced Materials	Weigang Zhu , Lingyun Zhu ,	28	5954 -	18.96	8

		Novel Donor - Acceptor Cocystal for Waveguide Couplers and Photonic Logic Computation		Ye Zou , Yishi Wu , Yonggang Zhen , Huanli Dong , Hongbing Fu , Zhixiang Wei , Qiang Shi , and Wenping Hu  *		5962		
110	魏志 祥	Self-Doped and Crown-Ether Functionalized Fullerene as Cathode Buffer Layer for Highly- Efficient Inverted Polymer Solar Cells	Adv. Energy Mater.	Fuwen Zhao, Zhen Wang, Jianqi Zhang, Xiangwei Zhu, Yajie Zhang,	6 (9)	1502 120	15.23	1



				Jin Fang, Dan Deng, Zhixiang Wei*, Yongfang Li, Li Jiang and Chunru Wang **				
111	魏志 祥	Optimized “Alloy-Parallel” Morphology of Ternary Organic Solar Cells	Adv. Energy Mater.	Zaiyu Wang, Yajie Zhang, Jianqi Zhang, Zhixiang Wei* and Wei Ma*	6 (9)	1502 456	15.23	1
112	魏志 祥	Inversion of the Supramolecular Chirality of Nanofibrous Structures through Co-Assembly	Angew. Chem. Int. Ed.	Guofeng Liu, Lingyun Zhu, Wei Ji,	55	2411 - 2415	11.70 9	5

		with Achiral Molecules		Chuanliang Feng,* and Zhixiang Wei				
113	魏志 祥	Uncovering the Intramolecular Emission and Tuning the Nonlinear Optical Properties of Organic Materials by Cocrystallization	Angew. Chem. Int. Ed.	Weigang Zhu, Lingyun Zhu, Lingjie Sun, Yonggang Zhen, Huanli Dong,* Zhixiang Wei, and Wenping Hu*	55	1402 3- 1402 7	11.70 9	6
114	魏志 祥	Impact of the alkyl side chain position on the photovoltaic properties of solution-	J. Mater. Chem. A	J. Zhang, X. W. Zhu, C. He, H. J. Bin, L.	4	1174 7 - 1175	8.262	1

		<p>processable organic molecule donor materials</p>		<p>W. Xue, W. G. Wang, Y. K. Yang, N. Y. Yuan,* J. N. Ding,* Zhixiang Wei,* Z.-G. Zhang and Yongfang Li*</p>		3		
115	魏志祥	<p>PBDT-TSR: a highly efficient conjugated polymer for polymer solar cells with a regioregular structure</p>	<p>J. Mater. Chem. A</p>	<p>Huifeng Yao, Wenchao Zhao, Zhong Zheng, Yong Cui, Jianqi Zhang,</p>	4 (5)	1708 - 1713	8.262	6

				Zhixiang Wei and Jianhui Hou*				
116	魏志 祥	Effect of bifurcation point of alkoxy side chains on photovoltaic performance of 5- alkoxy-6- fluorobenzo[c][1,2,5]thiadiazole- based conjugated polymers	Sol. Energy Mater. Sol. Cells	Shiyu Feng, Ran Hou, Qian Xu, Yahui Liu, Jianqi Zhang, Xue Gong, Cuihong Li*, Kun Lu, Zhixiang Wei and Zhishan Bo*	154	42- 48	4.732	9
117	魏志	Methylated conjugated polymers	Org.	Fan Yang,	37		3.471	5

	祥	based on diketopyrrolopyrrole and dithienothiophene for high performance field-effect transistors	Electron.	Cheng Li*, Jianqi Zhang, Guitao Feng, Zhixiang Wei and Weiwei Li*		366- 370		
118	魏志祥	Asymmetric Diketopyrrolopyrrole Conjugated Polymers for Field-Effect Transistors and Polymer Solar Cells Processed from a Nonchlorinated Solvent	Advanced Materials	Yunjing Ji, Chengyi Xiao, Qiang Wang, Jianqi Zhang, Cheng Li*, Yonggang Wu, Zhixiang Wei, Xiaowei Zhan, Wenping Hu,	28 (5)	943- 950	18.96	7

				Zhaohui Wang, René A. J. Janssen* and Weiwei Li*				
119	魏志 祥	All-Polymer Solar Cells Based on Absorption-Complementary Polymer Donor and Acceptor with High Power Conversion Efficiency of 8.27%	Advanced Materials	Liang Gao, Zhi-Guo Zhang*, Lingwei Xue, Jie Min, Jianqi Zhang, Zhixiang Wei and Yongfang Li*	28 (9)	1884 - 1890	18.96	6
120	魏志	Perfluoroalkyl-substituted	J. Mater.	Andong Zhang,	4	7736	8.262	7

	祥	conjugated polymers as electron acceptors for all-polymer solar cells: the effect of diiodoperfluoroalkane additives	Chem. A	Qiang Wang, Ralf A. A. Bovee, Cheng Li*, Jianqi Zhang*, Yi Zhou, Zhixiang Wei, Yongfang Li, Rene A. J. Janssen, Zhaohui Wang* and Weiwei Li*	(20)	- 7745		
121	魏志祥	All-small-molecule organic solar cells based on an electron donor incorporating binary electron-	J. Mater. Chem. A	Guitao Feng, Yunhua Xu*, Jianqi Zhang,	4 (16)	6056 - 6063	8.262	7

		deficient units		Zhaowei Wang, Yi Zhou, Yongfang Li, Zhixiang Wei, Cheng Li* and Weiwei Li*				
122	魏志祥	D - A1 - D - A2 Copolymer Based on Pyridine-Capped Diketopyrrolopyrrole with Fluorinated Benzothiadiazole for High-Performance Ambipolar Organic Thin-Film Transistors	ACS Appl. Mater. Interfaces	Ping Li, Long Xu, Hongguang Shen, Xianming Duan, Jianqi Zhang, Zhixiang Wei, Zhengran Yi*, Chong-an Di	8 (13)	8620 - 8626	7.145	6



				and Shuai Wang*				
123	魏志 祥	Poly(pentacyclic lactam-alt-diketopyrrolopyrrole) for field-effect transistors and polymer solar cells processed from non-chlorinated solvents	Polym. Chem.	Guitao Feng, Yunhua Xu, Chengyi Xiao, Jianqi Zhang, Xiaotao Zhang*, Cheng Li*, Zhixiang Wei, Wenping Hu, Zhaohui Wang and Weiwei Li*	7 (1)	164- 170	5.687	7
124	魏志	Top-Pinning Controlled Dewetting	Adv. Electro	Xiaonan Kan,	2	1600		8

	祥	for Fabrication of Large-Scaled Polymer Microwires and Applications in OFETs	n. Mater.	Chengyi Xiao, Hanfei Gao, Zhaohui Wang, Yuchen Wu, Bin Su, Jianqi Zhang, Zhixiang Wei, Bin Kong, Wenping Hu, Yanming Sun, Lei Jiang* and Alan J. Heeger	(9)	111		
125	何军	Epitaxial two dimensional PbS nanoplates arrays with highly	Advanced Materials	Yao Wen, Qisheng	28	8051 -	18.96	1

		efficient infrared response		Wang,Lei Yin, Qi Liu, Feng Wang, Fengmei Wang, Zhenxing Wang, Kaili Liu, Kai Xu,Yun Huang, Tofik Ahmed Shifa, Chao Jiang* , Jie Xiong* and Jun He*		8057		
126	何军	High-performance phototransistor of epitaxial PbS nanoplates-	Advanced Materials	Qisheng Wang, Yao Wen, Peng	28	6497 -	18.96	1

		graphene heterostructure with edge contact		He, Lei Yin, Zhenxing Wang, Feng Wang, Kai Xu, Yun Huang, Fengmei Wang,Chao Jiang and Jun He*		6503		
127	何军	Oriented Growth of Pb <sub>1-x</sub> Sn <sub>x</sub> Te Nanowires Array for Integration of Flexible Infrared Detectors	Advanced Materials	Qisheng Wang, Jie Li, Yin Lei, Yao Wen, Zhenxing Wang, Xueying Zhan, Feng Wang,	28	3596 - 3601	18.96	1

				Fengmei Wang, Yun Huang, Kai Xu and Jun He*				
128	何军	Rational Design of Ultralarge Pb <sub>1-x</sub> Sn <sub>x</sub> Te Nanoplates for Exploring Crystalline Symmetry- protected Topological Transport	Advanced Materials	Qisheng Wang, KaimingCa i, Jie Li, Yun Huang, Zhenxing Wang, Kai Xu, Feng Wang, Xueying Zhan, Fengmei Wang, Kaiyou Wang* and Jun He*	28	617- 623	18.96	1

129	何军	Integrated high-performance infrared phototransistor arrays composed of nonlayered PbS-MoS <sub>2</sub> heterostructures with edge contacts	Nano Letters	Yao Wen, Lei Yin, Peng He, Zhenxing Wang, Xiankun Zhang, Qisheng Wang, Tofik Ahmed Shifa, Kai Xu, Fengmei Wang, Xueying Zhan, Feng Wang, Chao Jiang and Jun He*	16	6437 - 6444	13.77 9	1
130	何军	Selenium-Enriched Nickel	Angew.	Fengmei Wang,	55	6919	11.70	1

		Selenide Nanosheet as Robust Electrocatalyst for Hydrogen Generation	Chem. Int. Ed.	Yuanchang Li, Tofik Ahmed Shifa, Kaili Liu, Feng Wang, Zhenxing Wang, Peng Xu, Qisheng Wang, Jun He*		- 6924	9	
131	何军	Configuration dependent electrically tunable van der Waals heterostructures based on MoTe <sub>2</sub> /MoS <sub>2</sub>	Advanced Functional Materials.	Feng Wang, Lei Yin, Zhen Xing Wang, Kai Xu, Feng Mei Wang, Tofik Ahmed Shifa, Yun	26	5499 - 5506	11.38 2	1

				Huang, Chao Jiang and Jun He*				
132	何军	Engineering the Electronic Structure of Two-Dimensional WS <sub>2</sub> Nanosheets Using Co Incorporation as Co <sub>x</sub> W <sub>(1-x)</sub> S <sub>2</sub> for Conspicuously Enhanced Hydrogen Generation	Small	Tofik Ahmed Shifa, Fengmei Wang, Kaili Liu, Kai Xu, Zhenxing Wang, Xueying Zhan, Chao Jiang and Jun He*	12	3802 - 3809	8.315	1
133	何军	Towards High-Performance Top- Gate Ultrathin HfS <sub>2</sub> Field-Effect Transistors by Interface	Small	Kai Xu, Yun Huang, Bo Chen, Yang	12	3102 - 3111	8.315	1



		Engineering		Xia, Wen Lei, Zhenxing Wang, Qisheng Wang, Feng Wang, Lei Yin and Jun He*				
134	何军	Synthesis, Properties and Applications of 2D Layered MIIIXVI (M = Ga, In; X = S, Se, Te) Materials	Nanoscale	Kai Xu, Lei Yin, Yun Huang, Tofik Ahmed Shifa, Junwei Chu, Feng Wang, Ruiqing Cheng, Zhenxing Wang and Jun He*	8	1680 2- 1681 8	7.76	1

135	何军	Electrostatically tunable lateral MoTe <sub>2</sub> p-n junction for use in high-performance optoelectronics	Nanoscale	Zhenxing Wang, Feng Wang, Lei Yin, Yun Huang, Kai Xu, Fengmei Wang, Xueying Zhan and Jun He*	8	1324 5- 1325 0	7.76	1
136	何军	CoS <sub>2</sub> xSe <sub>2</sub> (1-x) Nanowire Array: An Efficient Ternary Electrocatalyst for Hydrogen Evolution Reaction	Nanoscale	Kaili Liu, Fengmei Wang, Kai Xu, Tofik Ahmed Shifa, Zhongzhou Cheng, Xueying Zhan and Jun	8	4699 - 4704	7.76	1

				He*				
137	何军	Nanoseed Assisted PVT Growth of Ultrathin 2D Pentacene Molecular Crystal Directly onto SiO <sub>2</sub> Substrate	Crystal Growth & Design	S. Atika Arabi, Ji Dong, Misbah Mirza, Peng Yu, Liang Wang, Jun He, and Chao Jiang*	16	2624 - 2630	4.425	6
138	何军	Mobility Enhance in Organic Field-Effect Transistors Due to Semiconductor/dielectric Interface Control and Very Thin Single Crystal	Nanotechnology	Ji Dong, Peng Yu, SyedaArabi Arabi, Jiawei Wang, Jun He, Chao Jiang*	27	2752 02	3.573	5

139	何军	Ultrafast and Ultrasensitive Phototransistors Based on Few-Layered HfSe <sub>2</sub>	Applied Physics Letters	Lei Yin, Kai Xu, Yao Wen, Zhenxing Wang, Yun Huang, Feng Wang, Tofik Ahmed Shifa, Ruiqing Cheng, He Ma and Jun He*	109	213105	3.142	1
140	何军	Strong Electrically Tunable MoTe <sub>2</sub> /Graphene van der Waals Heterostructures for High-Performance Electronic and Optoelectronic Devices	Applied Physics Letters	Feng Wang, Lei Yin, Zhenxing Wang, Kai Xu, Fengmei Wang, Tofik Ahmed	109	193111	3.142	1

				Shifa, Yun Huang, Yao Wen, Chao Jiang, and Jun He*				
141	何军	Carbon Dots decorated vertical SnS2 nanosheets for efficient photocatalytic oxygen evolution	Applied Physics Letters	Zhongzhou Cheng, Fengmei Wang ,Tofik Ahmed Shifa, Kaili Liu, Yun Huang, Quanlin Liu, Chao Jiang and Jun He*	109	5390 5	3.142	1

142	何军	Ultrahigh Sensitive MoTe2 Phototransistors Driven by Carrier Tunneling	Applied Physics Letters	Lei Yin, Xueying Zhan, Kai Xu, Feng Wang, Zhenxing Wang*, Yun Huang, Qisheng Wang, Chao Jiang and Jun He*	108	43503	3.142	1
143	何军	Highly sensitive photodetectors based on hybrid 2D-0D SnS2-CIS quantum dots	Applied Physics Letters	Yun Huang, Xueying Zhan, Kai Xu, Lei Yin, Zhongzhou	108	013101	3.142	1

				Cheng, Chao Jiang, Zhenxing Wang* and Jun He*				
144	韩宝航	Supramolecular Organic Networks Assembled from Quadruple Hydrogen-Bonding Motifs	Chemical Communications	Xue Huang, Yan-Chao Zhao, Bao-Hang Han*	52 (39)	6597 - 6600	6.567	1
145	韩宝航	Porous Azo-Bridged Porphyrin- Phthalocyanine Network with High Iodine Capture Capability	Chemistry - A European Journal	Hui Li, Xuesong Ding,* Bao-Hang Han*	22 (33)	1186 3- 1186 8	5.771	1
146	韩宝	Conjugated Microporous	Polym. Chem	Long Pan,	7	2299	5.687	1

	航	Polycarbazoles Containing Tris(2-phenylpyridine)iridium(III) Complex: Phosphorescence, Porosity, and Heterogeneous Organic Photocatalysis		Meng-Ying Xu, Li-Juan Feng, Qi Chen,* Yu-Jian He,* Bao-Hang Han*	(12)	- 2307		
147	韩宝航	All Thiophene-based Conjugated Porous Organic Polymers	Polym. Chem	Chao-Jing Sun, Peng-Fei Wang, Hua Wang,* Bao-Hang Han*	7 (31)	5031 - 5038	5.687	1
148	韩宝航	Preparation of Mannitol-based Ketal-linked Porous Organic Polymers and Their Application for Selective Capture of Carbon Dioxide	Polymer	Hui Li, Xuesong Ding,* Yan-Chao Zhao, Bao-Hang Han*	89	112- 118	3.586	1



149	韩宝航	Soft Templating Synthesis of Nitrogen-Doped Porous Hydrothermal Carbons and Their Applications in Carbon Dioxide and Hydrogen Adsorption	Microporous and Mesoporous Materials	Peiwen Xiao, Dan Guo, Li Zhao,* Bao-Hang Han*	220	129-135	3.349	1
150	韩宝航	Facile Synthesis of Hierarchical Triazine-based Porous Carbons for Hydrogen Storage	Microporous and Mesoporous Materials	Xin-Ming Hu, Qi Chen, Yan-Chao Zhao, Bo W. Laursen, Bao-Hang Han*	224	129-134	3.349	1
151	韩宝航	Gold nanoparticles Encapsulated in Hierarchical Porous Polycarbazole: Preparation and Application in Catalytic	RSC Advances	Jing Liu, Qi Chen,* Ya-Nan Sun, Meng-Ying Xu, Wei Liu,*	6 (54)	4854 3-4854 9	3.289	1

		Reduction		Bao-Hang Han*				
152	韩宝航	Tetraphenylethylene-Based Microporous Organic Polymers: Insight into Structure Geometry, Porosity, and CO <sub>2</sub> /CH <sub>4</sub> Selectivity	RSC Advances	Hui Li, Xuesong Ding,* Bao-Hang Han*	6 (56)	5141 1- 5141 8	3.289	1
153	韩宝航	Sugar-functionalized Triptycenes Used for Dispersion of Single-Walled Carbon Nanotubes in Aqueous Solution by Supramolecular Interaction	New Journal of Chemistry	Hui Li, Qi Chen,* Bao-Hang Han*	40 (4)	3300 - 3307	3.277	1
154	韩宝航	Porous Nitrogen-Doped Carbon Nanoribbons for High-Performance Gas Adsorbents and Lithium Ion	Industrial & Engineering Chemistry R	Quan-Sheng Yang, Zhu-Yin Sui, Yu-Wen	55 (22)	6384 -	2.567	1

		Batteries	Research	Liu,* Bao-Hang Han* "		6390		
155	韩宝航	A New Strategy to Microporous Polypyrrole Networks Based on Condensation of Pyrrole and Diketone	Macromolecular Chemistry and Physics	Saad Melhi, Xuesong Ding, Zhiwei Liu, Cong-Xiao Cao, Bao-Hang Han*	217 (13)	1529 - 1533	2.495	1
156	韩宝航	Synthesis of Highly Stable Porous Metal-IDA Gels from a Novel IDA Compound	Chinese Journal of Chemistry	Wen-Jing Chen, Yan-Hong Jiang, Xuesong Ding,* Chao- Guo Yan,* Bao- Hang Han*	34 (6)	617- 623	1.872	1
157	韩宝	Extraction of Rutin and Rhoifolin	Chinese Jour	Yu Huang, Ai-	34		1.872	1

	航	by Inorganic Borate Functionalized Magnetic Particles	nal of Chemi stry	Di Qi,* Bao- Hang Han*	(8)	823- 829		
158	韩宝 航	Fast Conversion of Ionic Liquids and Poly(ionic liquid)s into Porous Nitrogen-doped Carbons in Air	Internation al Journal o f Molecular Sciences	Yongjun Men, Martina Ambrogi, Bao- Hang Han, Jiayin Yuan*	17 (4)	532( 1-9)	3.257	3
159	张忠	Hierarchical Graphene-Based Films with Dynamic Self-Stiffening for Biomimetic Artificial Muscle	Adv. Funct. Mater.	Zhaohe Dai, Yanlei Wang, Luqi Liu*, Xuelu Liu, PingHeng Tan, Zhiping Xu*, Jun Kuang,	26	7003 - 7010	11.38 2	1

				Qing Liu, Jun Lou and Zhong Zhang*				
160	张忠	Lightweight and hierarchically porous MWCNT/WPU composites for ultra-high performance electromagnetic interference shielding	Advanced Functional Materials	Zeng Z, Jin H, Chen MJ, Li WW, Zhou LC, Zhang Z	26	303-310	11.38 2	1
161	张忠	Continuously tunable wettability by using surface patterned shape memory polymers with giant deformability	Small	Zhao, L-Y., Zhao, J., Liu, J., Guo, Y-F., Zhang, L-P., Zhang H	12	3327-3333	8.315	5
162	张忠	High performance shape memory	ACS Appl.	Liu YY, Zhao	8	311-	7.145	5

		epoxy/carbon nanotube nanocomposites	Mater. Interfaces	J, Zhao LY, Li WW, Zhang H, Yu X, Zhang Z		320		
163	张忠	Thin and flexible multi-walled carbon nanotube/waterborne polyurethane composites with high-performance electromagnetic interference shielding.	Carbon	Zeng, ZH,, Chen, MJ, Jin, H, Li, WW, Xue, X, Zhou, LC, Pei, YM, Zhang, H.	96	768-777	6.198	8
164	张忠	Multifunctional polymer-based graphene foams with buckled structure and negative Poisson's ratio	Scientific Reports	Zhaohe Dai, Chuanxin Weng, Luqi Liu*, Yuan Hou,, Xuanliang	6	32989	5.228	1

				Zhao, Jun Kuang,, Jidong Shi, Yueguang Wei, Jun Lou*, Zhong Zhang*				
165	张忠	three-dimensional sponges with super mechanical stability: harnessing true elasticity of individual carbon nanotubes in macroscopic architectures	Scientific Reports	Zhaohe Dai, Luqi Liu*, Xiaoying Qi, Jun Kuang, Yueguang Wei, Hongwei Zhu*, Zhong Zhang*	6	1893 0	5.228	1
166	张忠	Preparation of lipophilic graphene oxide derivates via a	Compos. Sci.	Yanbing Zhang, Luqi Liu*,	134	36- 42	3.897	1

		concise route and its mechanical reinforcement in thermoplastic polyurethane	Technol.	Bing Sun, Guorui Wang, Zhong Zhang*				
167	张忠	Rheological behaviors of nanosilica suspensions with different dispersion levels prepared by the bead milling technique	Composites Part A	Chup, P-F, Zhang H.*,Chen, F-H.	81	34- 40	3.719	1
168	张忠	High strain rate compression of epoxy based nanocomposites	Composites Part A	Tian, Y. , Zhang H. *, Zhao, J.	90	62- 70	3.719	1
169	张忠	A coatable, lightweight, fast-response nanocomposite sensor for in-situ acquisition of dynamic	Smart Materials and	Zeng Z, Liu M, Xu H, Liu W, Liao Y, Jin H,	25	2506 5005 (12p	2.769	1



		elastic disturbance: from structural vibration to ultrasonic waves	Structures	Zhou L, Zhang Z, Su Z		p)		
170	张忠	Tuning the Interfacial Mechanical Behaviors of Monolayer Graphene/PMMA Nanocomposites	ACS Appl. Mater. Interfaces	Guorui Wang, Zhaohe Dai, Luqi Liu*, Hai Hu, Qing Dai, Zhong Zhang*	8	2255 4- 2256 2	7.145	1
171	张忠	Mechanical behavior and properties of hydrogen bonded graphene/polymer nano-interfaces	Compos. Sci. Technol.	Zhaohe Dai, Guorui Wang, Luqi Liu*, Yuan Hou, Yueguang Wei, Zhong Zhang*	136	1—9	3.897	1

172	张忠	Percolation model of reinforcement efficiency for carbon nanotubes dispersed in thermoplastics	Composites Part A	Jiang, ZY., Zhang H. *, Han, JF.	86	49-56	3.719	1
173	张忠	Quantifying nanoparticle mixing state to account for both particle location and size effect	Technometrics	Dong L, Li XD, Qian YJ, Yu D, Zhang H, Zhang Z, Ding Y		1-39	1.435	5
174	张忠	Nanocrystalline cellulose improves the biocompatibility and reduces the wear debris of ultrahigh molecular weight polyethylene via weak binding	ACS Nano	Wang S, Feng Q, Sun J, Gao F, Fan W, Zhang Z, Li X, Jiang X	10	298-306	13.334	6

175	张忠	Graphene reinforced carbon nanotube networks for wearable strain sensors	Advanced Functional Materials	Shi J, Li X, Cheng H, Liu Z, Zhao L, Yang T, Dai Z, Cheng Z, Shi E, Yang L, Zhang Z, Cao A, Zhu H, Fang Y	26	2078 - 2084	11.38 2	11
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