

发表论文列表

序号	论文名称	刊物名称	论文所在期刊的卷、期、页	论文作者	通讯作者
1	填料在共连续结构中选择性分散的功能与智能高分子材料的研究进展	绝缘材料	48; 10-16; 2015	赵玲玉; 赵军; 王晓 猛; 刘雅芸; 张晖; 张 忠	张忠
2	聚 3; 4-乙烯二氧噻吩/金修饰电极的制备及其在多巴胺检测中的应用	应用化工	44(3); 569- 574; 2015	王保光; 邱吟; 胡海 峰; 张雪华*; 何声太 *; 贺涛*	贺涛
3	基于三蝶烯的微孔聚二胺磷腈	化学学报	73 (6); 617- 622; 2015	李慧; 姜美洋; 王 求; 李中华; 陈琦; * 韩宝航*	韩宝航
4	g-C ₃ N ₄ /BiVO ₄ 复合催化剂的制备及光催化还原 CO ₂ 的性能研究	物理化学学报	31 (6); 1145- 1152; 2015	黄艳; 傅敏; * 贺涛*	贺涛

5	Controlled aspect-ratio modulation of ZnO nanorods via indium doping	物理化学学报	31 (7); 1421–1429; 2015	胡海峰; 贺涛*	贺涛
6	SO ₄ ²⁻ 和 I ⁻ 共掺杂的聚苯胺对电极在染料敏化太阳能电池中的应用	化学学报	73 (10); 1061–1068; 2015	韩若冰; 芦姗; 王艳杰; 张雪华; * 吴强; * 贺涛*	贺涛
7	基于 CO ₂ 连续激光器模拟的氮化物填充聚四氟乙烯复合材料耐烧蚀性能	复合材料学报	32 (5); 28–34; 2015	陈卓; 张晖; 袁端鹏; 郝留成; 张忠	张忠
8	含咪唑的有机多孔聚合物的制备及性能研究进展	化学学报	73 (6); 541–556; 2015	操强; 陈琦; 韩宝航*	韩宝航
9	Nitrogen-Doped Graphene Aerogels as Efficient Supercapacitor Electrodes and Gas Adsorbents	ACS Appl. Mater. Interfaces	7 (3); 1431–1438; 2015	Zhu-Yin Sui; Yue-Na Meng; Pei-Wen Xiao; Zhi-Qiang	Bao-Hang Han*

				Zhao; Zhi-Xiang Wei; * Bao-Hang Han*	
10	A Highly Nitrogen-Doped Porous Graphene - An Anode Material for Lithium Ion Batteries	J.Mater.Chem. A	3 (35); 18229-18237; 2015	Zhu-Yin Sui; Caiyun Wang; Quan-Sheng Yang; Kewei Shu; Yu-Wen Liu; Bao-Hang Han; * Gordon G. Wallace*	Bao-Hang Han*
11	Manganese Dioxide-Anchored Three-Dimensional Nitrogen-Doped Graphene Hybrid Aerogels as Excellent Anode Materials for Lithium Ion Batteries	J.Mater.Chem. A	3 (19); 10403-10412; 2015	Zhu-Yin Sui; Caiyun Wang; Kewei Shu; Quan-Sheng Yang; Yu Ge; Gordon G. Wallace; * Bao-Hang Han*	Bao-Hang Han*

12	Effect of Surface Chemistry and Textural Properties on Carbon Dioxide Uptake in Hydrothermally Reduced Graphene Oxide	Carbon	82; 590-598; 2015	Zhu-Yin Sui; Bao-Hang Han*	Bao-Hang Han*
13	Template-directed in situ polymerization preparation of nanocomposites of PEDOT:PSS-coated multi-walled carbon nanotubes with enhanced thermoelectric property	Chem. Asian J.	10; 149-153; 2015	Zhuang Zhang; Guangming Chen; * Hanfu Wang*; and Xin Li	Hanfu Wang*
14	Enhanced thermoelectric property by the construction of a nanocomposite 3D interconnected architecture consisting of graphene	J. Mater. Chem. C	3; 1649–1654; 2015	Zhuang Zhang; Guangming Chen; * Hanfu Wang* and Wentao Zhai*	Wentao Zhai*

	nanolayers sandwiched by polypyrrole nanowires				
15	An Azine-Linked Covalent Organic Framework: Synthesis; Characterization and Efficient Gas Storage	Chem.–Eur. J.	21 (34); 12079–12084; 2015	Zhongping Li; Yongfeng Zhi; Xiao Feng; Xuesong Ding; Yongcun Zou; Xiaoming Liu; * Ying Mu	Xiaoming Liu; *
16	Triarylboron-Linked Conjugated Microporous Polymers: Sensing and Removal of Fluoride Ions	Chem.–Eur. J.	21 (48); 17355–17362; 2015	Zhongping Li; He Li; Hong Xia; Xuesong Ding; Xiaolong Luo; Xiaoming Liu; * Ying Mu	Xiaoming Liu; *

17	Human Hair-Derived Nitrogen and Sulfur Co-Doped Porous Carbon Materials for Gas Adsorption	RSC Adv.	5 (90); 73980-73988; 2015	Zhi-Qiang Zhao; Pei-Wen Xiao; Li Zhao; * Yuwen Liu; * Bao-Hang Han*	Bao-Hang Han*
18	Plain Silver Surface Plasmon Resonance for Microarray Application	Analytical Chemistry	87; 1466-1469; 2015	Zhiqiang Cheng; Zhiyou Wang; Doreen E. Gillespie; Christopher Lausted; Zheng Zheng; Mo Yang; and Jinsong Zhu*	Jinsong Zhu*
19	Real-time phase measurement of optical vortices	OPTICS EXPRESS	23 (6); 20521-20528; 2015	Zhigang Zhang; Fengliang Dong; Kemao Qian; Qingchuan Zhang; *	Weiguo Chu; *

				Weiguo Chu; * Yuntian Zhang; Xuan Ma; and Xiaoping Wu	
20	Transparent and transferrable organic optoelectronic devices based on WO ₃ /Ag/WO ₃ electrodes	APPLIED PHYSICS LETTERS	106; 053304-1-053304-4; 2015	Zhe Qi; Jiamin Cao; Liming Ding; *; and Jizheng Wang*	Liming Ding ; *
21	Solution-Processed Ultrathin Organic Semiconductor Film: Toward All-Transparent Highly Stable Transistors	Adv. Electron. Mater.	1; 1500173(1)-1500173(7); 2015	Zhe Qi; Jiamin Cao; Hui Li; Liming Ding*; Jizheng Wang*	Liming Ding ; *
22	High-Performance Thermally Stable Organic Phototransistors Based on PSeTPTI/PC61BM for Visible and Ultraviolet Photodetection	Adv. Funct. Mater.	25; 3138-3146; 2015	Zhe Qi ; Jiamin Cao ; Hui Li ; * Liming Ding ; * and Jizheng Wang *	Liming Ding ; *

23	Three-Dimensional Graphene/Pt Nanoparticle Composites as Freestanding Anode for Enhancing Performance of Microbial Fuel Cells	Science Advances	1; e1500372; 2015	Zhao; S.; Li; Y.; Yin; H.; Liu; Z.; Luan; E.; Zhao; F.; Tang; Z.; * Liu; S.*	Tang; Z.*
24	Multiple Au Cores in CeO ₂ Hollow Spheres for the Superior Catalytic Reduction of p-Nitrophenol	Chinese Journal of Catalysis	36(3); 261-267; 2015	Zhao; K.; Qi; J.; Zhao; S.; Tang; H.; Yin; H.; Zong; L.; Chang; L.; Gao; Y.; * Yu; R.; * Tang; Z.*	Tang; Z.*
25	Efficient Water Oxidation under Visible Light by Tuning Surface Defects on Ceria Nanorods	Journal of Materials Chemistry A	3; 20465-20470; 2015	Zhao; K.; Qi; J.; Yin; H.; Wang; Z.; Zhao; S.; Ma;	Tang; Z.*

				X.; Wan; J.; Chang; L.; Gao; Y.; * Yu; R.; * Tang; Z.*	
26	Wear resistant and transparent multi-functional polymeric nanocoatings	In: Multi- Functionality of Polymer Composites: Challenges and New Solutions; edited by Klaus Friedrich; Ulf Breuer; Elsevier BV	X; 573-587; 2015	Zhang H; Zhou LY; Zhang Z	Zhang Z

27	Low voltage and high performance electrothermal actuator based on multi-walled carbon nanotube/polymer composites	Carbon	84; 327-334; 2015	Zeng ZH; Jin H; Zhang LP; Zhang H; Chen Z; Gao F; Zhang Z	Zhang Z
28	Au plasmonics in a WS ₂ -Au-CuInS ₂ photocatalyst for significantly enhanced hydrogen generation	Applied Physics Letters.	107; 223902; 2015	Z. Z. Cheng; Z. X. Wang; * T. Shifa; F. M. Wang; X. Y. Zhan; K. Xu; Q. L. Liu; J. He*	J. He*
29	Construction of CuInS ₂ /Ag sensitized ZnO nanowire arrays for efficient hydrogen generation	RSC Advances.	5; 81723-81727 ; 2015	Z. Z. Cheng; X. Y. Zhan; F. M. Wang; Q. S. Wang; K. Xu; Q. L. Liu; C. Jiang; Z. X. Wang* and J. He*	J. He*

30	Transgenerational safety of nitrogen-doped graphene quantum dots and the underlying cellular mechanism in <i>Caenorhabditis elegans</i>	Toxicology Research	4; 270-280; 2015	Yunli Zhao; Qian Liu; Shumaila Shakoor a; Jian Ru Gong *; and Dayong Wang *	Jian Ru Gong *
31	A graphene-oxide-based thin coating on the separator: an efficient barrier towards high-stable lithium-sulfur batteries	2D Mater.	2; 024013-1-7; 2015	Yunbo Zhang; Lixiao Miao; Jing Ning; Zhichang Xiao; Long Hao; Bin Wang and Linjie Zhi*	Linjie Zhi*
32	Raman-Encoded microbeads for spectral multiplexing with SERS detection	RSC Advances	5 (18); 13762-13767; 2015	Yuming Lai; Shuqing Sun; Tao He; Sebastian Schluucker; Yuling Wang	Yuling Wang

33	Temperature Tunable Self-Doping in Stable Diradicaloid Thin-Film Devices	Advanced Materials	27; 7412– 7419; 2015	Yuan Zhang; Yonghao Zheng; Huiqiong Zhou; Mao-Sheng Miao; Fred Wudl; * and Thuc-Quyen Nguyen	Huiqiong Zhou
34	Water-assisted and surfactant-free synthesis of cobalt ferrite nanospheres via solvothermal method	Journal of Alloys and Compounds	646; 827– 832; 2015	Yiqing Bi; Yanan Ren; Feng Bi; Tao He*	Tao He*
35	Synthesis of Cr-doped SrTiO ₃ photocatalyst and its application in visible-light-driven transformation of CO ₂ into CH ₄	Journal of CO ₂ Utilization	12; 43-48; 2015	Yiqing Bi; Muhammad Fahad Ehsan; Yan Huang; Jiarui Jin; Tao He*	Tao He*

36	Surface Growth of Highly Oriented Covalent Organic Framework Thin Film with Enhanced Photoresponse Speed	RSC Adv.	5; 92573-92576; 2015	Ying Chen; Haijun Cui; Jianqi Zhang; Kun Zhao; Defang Ding; Jun Guo; Lianshan Li; * Zhiyuan Tian* and Zhiyong Tang*	Tang; Z.*
37	Ultrathin platinum nanowires grown on single-layered nickel hydroxide with high hydrogen evolution activity	Nature Communications	6; 6430; 2015	Yin; H.; Zhao; S.; Zhao; K.; Muqsit; A.; Tang; H.; Chang; L.; Zhao; H.; Gao; Y.; Tang; Z.*	Tang; Z.*

38	Two-Dimensional Architecture at Nanojunctions for Photocatalytic Hydrogen Generation	ChemCatChem	7(6); 904-906; 2015	Yin; H.; Tang; Z.*	Tang; Z.*
39	Understanding effects of two different acceptors in	RSC advances	5; 61703-61709; 2015	Yifan Zhao; Liu Yuan; Jianqi Zhang; Lingyun Zhu; Kun Lu; * Wei Yan* and Zhixiang Wei*	Zhixiang Wei*
	one small molecule for solution processable				
	organic solar cells				
40	Synthesis and characterization of oriented linked LiFePO ₄ nanoparticles with fast electron and ion transport for	Nano Research	8 (12); 3803-3814; 2015	Yi Jiang; Ruiyuan Tian; Haiqiang Liu; Jiankun Chen; Xinghua Tan; Lina Zhang;	Hanfu Wang *; Lianfeng Sun *;

	high-power lithium-ion batteries			Guangyao Liu; Hanfu Wang *; Lianfeng Sun *; and Weiguo Chu *	and Weiguo Chu *
41	Benzimidazole-linked Porous Polymers: Synthesis and Gas Sorption Properties	Chinese J.Chem.	33 (1); 131-136; 2015	Yi Cui; Yan-Chao Zhao; Tao Wang; Bao-Hang Han*	Bao-Hang Han*
42	Sonochemical Synthesis of Graphene Oxide-Wrapped Gold Nanoparticles Hybrid Materials: Visible Light Photocatalytic Activity	Chinese J.Chem.	33 (1); 119-124; 2015	Yi Cui; Ding Zhou; Zhu-Yin Sui; Bao-Hang Han*	Bao-Hang Han*
43	Operable persistent photoconductivity of Bi ₂ S ₃	PCCP	17; 851-857; 2015	Ye Tian; Chuan Fei Guo; Jianming Zhang and Qian Liu*	Qian Liu*
	nested nano-networks				

44	<p>SPRi Determination of Inter-Peptide Interaction by Using 3D Supramolecular Co-assembly Polyrotaxane Film</p>	<p>Biosens. Bioelectron</p>	<p>66; 338-344; 2015</p>	<p>Yanmei Wang; Chenxuan; Zhiqiang Cheng; Dongdong Zhang; Shaopeng Li; Lusheng Song; Wenfei Zhou; Mo Yang; Zhiyou Wang; Zheng Zheng; Bao-Hang Han; Chen Wang; * Yanlian Yang; * Jinsong Zhu*</p>	<p>Jinsong Zhu*</p>
45	<p>Efficient visible-light photocatalytic degradation system assisted by conventional Pd catalysis</p>	<p>Scientific Reports</p>	<p>5; 9561; 2015</p>	<p>Yanlong Yu; Tao He*; Lingju Guo; Yajun Yang; Limei</p>	<p>Tao He*</p>

				Guo; Yue Tang; Yaan Cao*	
46	Reconstruction of Pyrolyzed Bacterial Cellulose (PBC)-Based Three-Dimensional Conductive Network for Silicon Lithium Battery Anodes	ChemElectroChem	2; 1238-1242; 2015	Yanhong Chang*; Min Zhou; Xianglong Li*; Yunbo Zhang; Linjie Zhi*	Linjie Zhi*
47	Hybrid of MoS ₂ and Reduced Graphene Oxide: A Lightweight and Broadband Electromagnetic Wave Absorber	ACS applied materials & interfaces	7 (47) ; 26226-26234; 2015	Yanfang Wang; Dongliang Chen; Xiong Yin; Peng Xu; Fan Wu* and Meng He*	Meng He*
48	A Low Band Gap n-Type Polymer Based on Dithienosilole and	Polymer	63; 164-169; 2015	Yanfang Geng; Jianming Huang; Keisuke Tajima*;	Erjun Zhou*

	Naphthalene Diimide for All-Polymer Solar Cells Application			Qingdao Zeng and Erjun Zhou*	
49	Fullerene-Free Organic Photovoltaics Based on Unconventional Material Combination: Molecular Donor and Polymeric Acceptor	J. Mater. Chem. A	3; 22325-22331; 2015	Yanfang Geng; Bo Xiao; Jianming Huang; Keisuke Tajima*; Qingdao Zeng and Erjun Zhou*	Erjun Zhou*
50	Microporous Spiro-Centered Poly(benzimidazole) Networks: Preparation; Characterization; and Gas Sorption Properties	Polym. Chem.	6 (5); 748-753; 2015	Yan-Chao Zhao; Tao Wang; Li-Min Zhang; Yi Cui; Bao-Hang Han*	Bao-Hang Han*
51	Preparation of 2D hydroxyl-rich carbon nitride nanosheets for photocatalytic reduction of CO ₂	RSC Advances	5 (42); 33254-33261; 2015	Yan Huang; Yanjie Wang; Yiqing Bi; Jiarui Jin; Muhammad	Tao He*

				Fahad Ehsan; Min Fu; * Tao He*	
52	Synergistic Effect of Polymer and Small Molecules for High-Performance Ternary Organic Solar Cells	Adv. Mater.	27(6); 1071-1076; 2015	Yajie Zhang; Dan Deng; Kun Lu*; Jianqi Zhang; Benzhen Xia; Yifan Zhao; Jin Fang; Zhixiang Wei*	Zhixiang Wei*
53	Enhancing performance of polymer solar cells using CuPc nanocrystals as additives	Nanotechnology	26(20); 204001-204008; 2015	Yajie Zhang and Zhixiang Wei*	Zhixiang Wei*
54	Designing Shape Evolution of SnSe ₂ Nanosheets and their Optoelectronic Property	Nanoscale	7; 17375 - 17380; 2015	Y. Huang; K. Xu; Z. X. Wang; T. Shifa; Q. S. Wang; F.	J. He*

				Wang; C. Jiang and J. He*	
55	Mannitol-based Acetal-Linked Porous Organic Polymers for Selective Capture of Carbon Dioxide over Methane	Polym. Chem	6 (29); 5305-5312; 2015	Xuesong Ding; Hui Li; Yan-Chao Zhao; Bao-Hang Han*	Bao-Hang Han*
56	Novel Metallophthalocyanine-Based Conjugated Microporous Polymers as High Efficient Photosensitizers for Singlet Oxygen Generation	Angew.Chem.; Int. Ed.	54 (22); 6536-6539; 2015	Xuesong Ding; Bao-Hang Han*	Bao-Hang Han*
57	Copper Phthalocyanine-based CMPs with Various Internal Structures and Functionalities	Chem. Commun.	51 (64); 12783-12786; 2015	Xuesong Ding; Bao-Hang Han*	Bao-Hang Han*

58	Formation of Highly Stable Self-assembled Monolayers of Alkyl Phosphonic Acid for the Functionalization of Titanium Surfaces and Protein Patterning	Langmuir	31 (1); 140–148; 2015	Xuemingyue Han; Xiangyu Sun; Tao He*; Shuqing Sun*	Tao He*
59	Performance enhancement of perovskite-sensitized mesoscopic solar cells using Nb-doped TiO ₂ compact layer	Nano Research	8 (6); 1997-2003; 2015	Xiong Yin; Yanjun Guo; Zhaosheng Xue; Peng Xu; Meng He*; and Bin Liu*	Meng He*
60	Triazatriangulenium-Based Porous Organic Polymers for CO ₂ Capture	RSC Adv.	5 (109); 90135-90143; 2015	Xin-Ming Hu; Qi Chen; Zhu-Yin Sui; Zhi-Qiang Zhao; Nicolas Bovet; Bo W.	Bao-Hang Han*

				Laursen; * Bao-Hang Han*	
61	Tuning thermoelectric performance by nanostructure evolution of a conducting polymer	J. Mater. Chem. A	3; 20896–20902; 2015	Xincheng Hu; Guangming Chen; * Xin Wang* and Hanfu Wang*	Hanfu Wang*
62	Poly(3; 4-dinitrothiophene)/SWCNT composite as low overpotential hydrogen evolution metal-free catalyst	Journal of Materials Chemistry A	3; 78-82; 2015	Xie K; Wu HP; Lu K; Wei ZX; Zhang Z	Zhang Z
63	Vertically aligned carbon nanotube@MnO ₂ nanosheet arrays grown on carbon cloth for high	RSC Advances	5 (94); 77437-77442; 2015	Xiao-Jun Li; Yong Zhao; Wei-Guo Chu; Yue Wang; Zhen-Jun	Minghui Liang*

	performance flexible electrodes of supercapacitors			Li; Peng Jiang*; Xiu-Chen Zhao*; Minghui Liang*; Ying Liu	
64	A hybrid of holey graphene and Mn ₃ O ₄ and its oxygen reduction reaction performance	Chem. Commun.	51; 3911-3914; 2015	Xiaohui Lv; Wei Lv; Wei Wei; Xiaoyu Zheng; Chen Zhang; Linjie Zhi* Quan-Hong Yang*	Linjie Zhi*
65	An Amorphous N-type Polymer Based on Perylenediimide and Selenophene for All-Polymer Solar Cells Application	Mater. Today Commun.	4; 16-21; 2015	Xiaochen Wang; Jianming Huang; Keisuke Tajima*; Bo Xiao and Erjun Zhou*	Erjun Zhou*

66	Facile Approach to Preparing Porous Organic Polymer through Bergman Cyclization	Polym. Chem.	6 (26); 4734-4741; 2015	Xian-Mei Zhang; Xuesong Ding; Aiguo Hu; * Bao-Hang Han*	Bao-Hang Han*
67	Surface Plasmon Resonance enhanced Light Absorption of Au decorated Composition-tuned ZnO/ZnxCd1-xSeyTe1-y Core/shell Nanowires for Efficient H2 Production	Applied Physics Letters.	106; 123904; 2015	X. Y. Zhan; Y. J. Bao; F. M. Wang; Q. S. Wang; Z. Z. Cheng; Z. X. Wang; K. Xu; Z. Y. Fang and J. He*	J. He*
68	A three-dimensionally bonded spongy graphene material with both super compressive elasticity and near-zero Poisson's ratio	Nature Communications	6; 6141; 2015	Wu YP; Yi NB; Huang L; Zhang TF; Fang SL; Chang HC; Li N; Oh JY; Lee JA; Kozlov M;	Chen YS

				Chipara AC; Terrones H; Xiao PS; Long GK; Huang Y; Zhang F; Zhang L; Lepró X; Haines C; Lima M; Perea-Lopez N; Rajukumar LP; Elias AL; Feng SM; Kim SJ; Tharangattu N; Ajayan P; Terrones M; Aliev A; Chu PF; Zhang Z; Baughman R; Chen YS	
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69	Generating electricity using graphene nanodrums	RSC Advances	5; 34065–34069; 2015	Wenbin Huang; Yun Zhao; Guanglong Wang; Zhongtao Qiao; Fengqi Gao; Xiaowei Wang; Gang Wang; Ya Deng; Xiaokun Fan; Jian Zhang; Ruifei Duan; Xiaohui Qiu and Lianfeng Sun*	Lianfeng Sun*
70	Development of a Conjugated Polymer-based Fluorescent Probe for Selective Detection of HOCl	Journal of Materials Chemistry C	3; 5136-5140; 2015	Wang; H.; Li; Y.; Chen; Y.; Li; L.; * Fang T.; * Tang Z.*	Tang Z.*

71	Biaxial compressive behavior of embedded monolayer graphene inside flexible poly (methyl methacrylate) matrix	Carbon	86; 69-77; 2015	Wang GR; Liu LQ; Dai ZH; Liu Q; Miao H; Zhang Z	Zhang Z
72	Synthesizing graphenes directly on SiO ₂ /Si in open environments by a dual flame method	RSC Advances	5; 16691– 16695; 2015	Wang Gang; Zhao Yun; Deng Ya; Chen Minjiang; Tao Li; Fan Xiaokun; Huang Wenbin; Yang Huaichao and Sun Lianfeng*	Sun Lian-Feng*
73	Giant magnetic moment at open ends of multiwalled carbon nanotubes	Chin. Phys. B	24; 016202-4; 2015	Wang Gang; Chen Min-Jiang; Yu Fang; Xue Lei-Jiang; Deng	Sun Lian-Feng*

				Ya; Zhang Jian; Qi Xiao-Ying; Gao Yan; Chu Wei-Guo*; Liu Guang-Tong; Yang Hai-Fang; Gu Chang- Zhi; and Sun Lian- Feng*	
74	A vertical-oriented WS ₂ nanosheet sensitized by graphene: an advanced electrocatalyst for hydrogen evolution reaction	Nanoscale	7; 14760-14765; 2015	T. Shifa; F. M. Wang; Z. Z. Cheng; X. Y. Zhan; Z. X. Wang; K. L. Liu; M. Safdar; L. F. Sun and J. He*	J. He*

75	Preparation and Characterization of a Composite Hydrogel with Graphene Oxide as an Acid Catalyst	Soft Matter	11 (16); 3215-3221; 2015	Ting Jiang; Zhu-Yin Sui; Quan-Sheng Yang; Xue-Tong Zhang; * Bao-Hang Han*	Bao-Hang Han*
76	Hydrogen reduced graphene oxide/metal grid hybrid film: towards high performance transparent conductive electrode for flexible electrochromic devices	Carbon	81; 232-238; 2015	Tengfei Qiu; Bin Luo; Minghui Liang; Jing Ning; Bin Wang; Xianglong Li; Linjie Zhi*	Linjie Zhi*
77	Nickel Embedded in N-Doped Porous Carbon for the Hydrogenation of Nitrobenzene to p-Aminophenol in Sulphuric Acid	Chem. Commun.	51 (100); 17712-17715; 2015	Tao Wang; Zhen Dong; Teng Fu; Yanchao Zhao; Tian Wang; Yongzheng	Bao-Hang Han

				Wang; Yi Chen; Bao-Hang Han; Weiping Ding*	
78	Facile One-Pot Synthesis of Glycoluril-Based Porous Organic Polymers	Polymer	60; 26-31; 2015	Tao Wang; Yan-Chao Zhao; Min Luo; Li- Min Zhang; Yi Cui; Chang-Shan Zhang; * Bao-Hang Han*	Bao-Hang Han*
79	Growth of Polypyrrole Ultrathin Films on MoS ₂ Monolayers as High-Performance Supercapacitor Electrodes	Advanced Materials	27; 1117- 1123; 2015	Tang; H.; Wang; J.; Yin; H.; Zhao; H.; Wang; D.; * Tang; Z.*	Tang; Z.*

80	Self-Assembled Chiral Nanofibers from Ultrathin Low-Dimensional Nanomaterials	Journal of the American Chemical Society	137(4); 1565-1571; 2015	Tan; C.; Qi; X.; Liu; Z.; Zhao; F.; Li; H.; Huang; X.; Shi; L.; Zheng; B.; Zhang; X.; Xie; L.; Tang; Z.; Huang; W.; Zhang; H.*	Tang; Z.
81	Three-dimensional single crystalline GaN hierarchical nanowire architectures	Science of Advanced Materials	7(2); 264-268; 2015	Suo Guoquan; He Meng; Li Jianye	He Meng;
82	Conversion of amorphous polymer networks to covalent organic frameworks under ionothermal	J. Mater. Chem. A	3; 24422-24427; 2015	Sophie Kuecken; Johannes Schmidt;	Linjie Zhi

	conditions: a facile synthesis route for covalent triazine frameworks			Linjie Zhi; Arne Thomas*	
83	Surface Enhanced Raman Scattering Active Worm-Like Ag Clusters Modified Substrate for Sensitive and Selective Detection of Dopamine	Analytical Methods	7 (8); 3438–3447; 2015	Sivakumar Palanisamy; Lanqin Yan; Xuehua Zhang; * Tao He*	Tao He*
84	Fast and Sensitive Colorimetric Gold Bioassay for Dopamine	Journal of Materials Chemistry B	3 (29); 6019–6025; 2015	Sivakumar Palanisamy; Xuehua Zhang*; Tao He*	Tao He*
85	Synthesis of SnS ₂ /SnS Heterojunction and Their Enhanced Photocatalytic Properties Under Visible Light	Sci. Adv. Mater.	7; 1071-1075; 2015	Shuling Shen; Yunfeng Yao; Bin Wang; Yanhong Chang; Linjie Zhi*	Linjie Zhi*

86	Facile Synthesis of Zn _{0.5} Cd _{0.5} S Ultrathin Nanorods on Reduced Graphene Oxide for Enhanced Photocatalytic Hydrogen Evolution under Visible Light	ChemCatChem	7; 537-543; 2015	Shuling Shen; Anping Ma; Zhihong Tang; Zhuo Han; Mingjie Wang; Zhao Wang; Linjie Zhi*; Junhe Yang*	Linjie Zhi*
87	Vertical Ultrathin MoS ₂ Nanosheets on a Flexible Substrate as an Efficient Counter Electrode for Dye-Sensitized Solar Cells	Nanoscale	7 (23); 10459-10464; 2015	Shuai Jiang; Xiong Yin; Juntao Zhang; Xiaoyang Zhu; Jianye Li* and Meng He*	Meng He*
88	Inverse problem of air filtration of nanoparticles: optimal quality factors of fibrous filters	Journal of Nanomaterials	Article ID 168392; 11; 2015	Shou DH; Fan JT; Ye L; Zhang H; Qian XM; Zhang Z	Zhang Z

89	<p>Multi-Hydroxyl-Containing Porous Organic Polymers Based on Phenol Formaldehyde Resin Chemistry with High Carbon Dioxide Capture Capacity</p>	RSC Adv.	5 (87); 71095-71101; 2015	<p>Shi-Hui Jia; Xuesong Ding; * Hai-Tao Yu; * Bao-Hang Han*</p>	<p>Bao-Hang Han*</p>
90	<p>Tuning the Optical; Magnetic; and Electrical Properties of ReSe₂ by Nanoscale Strain Engineering</p>	Nano Letters	15; 1660-1666; 2015	<p>Shengxue Yang; Cong Wang; Hasan Sahin; Hui Chen; Yan Li; Shu-Shen Li; Aslihan Suslu; Francois M. Peeters; Qian Liu*; Jingbo Li; *; and Sefaattin Tongay</p>	<p>Jingbo Li; *</p>

91	Strong Circularly Polarized Luminescence from the Supramolecular Gels of an Achiral Gelator	Chemical Science	6; 4267-4272; 2015	Shen; Z.; Wang; T.; * Shi; L.; Tang; Z.; Liu; M.*	Tang; Z.
92	Dextran hydrogel coated surface plasmon resonance imaging (SPRi) sensor for sensitive and label-free detection of small molecule drugs	Applied Surface Science	355; 570-576; 2015	Shaopeng Li; Mo Yang; Wenfei Zhou; Trevor G. Johnston; RuiWang; Jinsong Zhu*	Jinsong Zhu*
93	Folded and crumpled morphologies of graphene oxide platelets determined the mechanical properties of polymer nanocomposites	Polymer	68; 131-139; 2015	Shang J; Chen YL; Zhou YG; Liu LQ; Wang GR; Li XL; Kuang J; Liu Q; Dai	Zhang Z

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94	Influence of iodine on the performance of polypyrrole counter electrode for dye-sensitized solar cells	Journal of Power Sources	274; 1076–1084; 2015	Shan Lu; Ting Feng; Ruobing Han; Xuehua Zhang*; Dongsheng Liu*; Tao He*	Tao He*
95	A graphene oxide/oxygen deficient molybdenum oxide nanosheet bilayer as a hole transport layer for efficient polymer solar cells	J. Mater. Chem. A	3; 18380-18383; 2015	Shan Chen; Xiaowen Yu; Miao Zhang; Jiamin Cao; Yingru Li; Liming Ding* and Gaoquan Shi*	Gaoquan Shi*
96	Synthesis of Bi ₂ S ₃ /CeO ₂ nanocatalyst and its visible-light-	Catalysis Science & Technology	5(12); 5208–5215; 2015	Sana Ijaz; Muhammad Fahad Ehsan;	Tao He*

	driven conversion of CO ₂ into CH ₃ OH and CH ₄			Muhammad Naeem Ashiq*; Tao He*	
97	Influence of monomer concentration during polymerization on the performance and catalytic mechanism of resultant poly(3; 4- ethylenedioxythiophene) counter electrodes for dye-sensitized solar cells	Electrochimica Acta	173; 796– 803; 2015	Ruobin Han; Shan Lu; Yanjie Wang; Xuehua Zhang*; Qiang Wu*; Tao He*	Tao He*
98	Drastically Enhanced High-Rate Performance of Carbon- Coated LiFePO ₄ Nanorods Using a Green Chemical Vapor Deposition (CVD) Method for Lithium Ion	ACS Appl. Mater. Interfaces	7; 11377- 11386; 2015	Ruiyuan Tian; Haiqiang Liu; Yi Jiang; Jiankun Chen; Xinghua Tan; Guangyao Liu; Lina	Weiguo Chu*;

	Battery: A Selective Carbon Coating Process			Zhang; Xiaohua Gu; Yanjun Guo; Hanfu Wang; *; Lianfeng Sun; *; and Weiguo Chu*;	
99	Very high power and superior rate capability LiFePO4 nanorods hydrothermally synthesized	RSC Adv	5; 1859-1866; 2015	Ruiyuan Tian; Guangyao Liu; Haiqiang Liu Lina Zhang; Xiaohua Gu Yanjun Guo; Hanfu Wang; * Lianfeng Sun* and Weiguo Chu*	Weiguo Chu*;
	using tetraglycol as surfactant				
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	working ionic actuator with a large actuation stroke and long-term durability			Meng; Haiping Wu; Guorui Wang; Zhaohe Dai; Zhixiang Wei and Zhong Zhang *	
101	A Self-Assembled DNA Origami-Gold Nanorod Complex	Small	11(38); 5134-5141; 2015	Qiao Jiang; Yuefeng Shi ; Qian Zhang ; Na Li ; Pengfei Zhan ; Linlin Song ; Luru Dai ;	Baoquan Ding *
	for Cancer Theranostics			Jie Tian ; Yang Du ; * Zhen Cheng ; * and Baoquan Ding *	

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103	BN-Enabled Epitaxy of Pb _{1-x} Sn _x Se Nanoplates on SiO ₂ /Si for High-Performance Mid-Infrared Detection Synthesis; properties and applications of 2D non-graphene materials	Small	11; 5388–5394; 2015	Q. S. Wang; Y. Wen; F. R. Yao; Y. Huang; Z. X. Wang; M. Li; X. Y. Zhan; K. Xu; F. M. Wang; F. Wang; J. Li; K. H. Liu; C. Jiang; F. Q. Liu and J. He*	J. He*
104	Topological crystalline insulator Pb(1-x)Sn _x Se nanowires with {100} facets	Small	11; 2019-2025; 2015	Q. S. Wang; M. Safdar; Z. X. Wang;	J. He*

				X. Y. Zhan; K. Xu; F. M. Wang and J. He*	
105	Van der Waals Epitaxial Ultrathin Two-Dimensional Nonlayered Semiconductor for Highly Efficient Flexible Optoelectronic Devices	Nano Letters.	15; 1183- 1189; 2015	Q. S. Wang; K.i Xu; Z. X. Wang; F. Wang; Y. Huang; M. Safdar; X. Y. Zhan; F. M. Wang; Z. Z. Cheng; and J. He*	J. He*
106	Low-dimensional topological crystalline insulators	Small	11; 4613- 4624; 2015	Q. S. Wang; F. Wang; J. Li; Z. X. Wang; X. Y. Zhan and J. He*	J. He*

107	Engineering Gold Nanoparticles with DNA Ligands for Selective Catalytic Oxidation of Chiral Substrates	ACS Catal	5(3); 1489-1498; 2015	Pengfei Zhan; Zhen-Gang Wang; * Na Li; and Baoquan Ding*	Baoquan Ding*
108	A Photoresponsive Smart Covalent Organic Framework	Angew.Chem.; Int. Ed.	54 (30); 8704–8707; 2015	Ning Huang; Xuesong Ding; Jangbae Kim; Hyotcherl Ihee; Donglin Jiang*	Donglin Jiang
109	Efficient Electrocatalytic Water Oxidation by Using Amorphous Ni-Co Double Hydroxides Nanocages	Advanced Energy Materials	5(10); 1401880; 2015	Nai; J.; Yin; H.; You; T.; Zheng; L.; Zhang; J.; Wang; P.; Jin; Z.; Tian; Y.; Liu; J.;	Tang; Z.; *

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110	Photoreduction of carbon dioxide using strontium zirconate nanoparticles	Science China Materials	58 (8); 634– 639; 2015	Muhammad Naeem Ashiq; Yanjie Wang; Muhammad Fahad Ehsan; Tao He*	Tao He*
111	In-Situ Synthesis of ZnTe/ZnO Common Cation Heterostructure and Its Visible-Light Photocatalytic Reduction of CO ₂ into CH ₄	Applied Catalysis B	166-167; 345– 352; 2015	Muhammad Fahad Ehsan; Tao He*	Tao He*
112	Hollow and mesoporous ZnTe microspheres: Synthesis and visible-light photocatalytic	RSC Advances	5 (8); 6186– 6194; 2015	Muhammad Fahad Ehsan; Muhammad Naeem Ashiq; Tao He*	Tao He*

	reduction of carbon dioxide into methane				
113	High-Performance Silicon Battery Anodes Enabled by Engineering Graphene Assemblies	Nano Lett.	15; 6222-6228; 2015	Min Zhou; Xianglong Li*; Bin Wang; Yunbo Zhang; Jing Ning; Zhichang Xiao; Xinghao Zhang; Yanhong Chang; Linjie Zhi	Linjie Zhi
114	Weak antilocalization effect of topological crystalline insulator Pb _{1-x} Sn _x Te nanowires with tunable composition and distinct {100} facets	Nano Letters.	15; 2485-2490; 2015	M. Safdar; Q. S. Wang; Z. X. Wang; X. Y. Zhan; K. Xu; F. M. Wang; M. Mirza; and J. He*	J. He*

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116	Hypercrosslinked Porous Polycarbazoles via One-Step Oxidative Coupling Reaction and Friedel–Crafts Alkylation	Polym. Chem.	6 (13); 2478-2487; 2015	Long Pan; Qi Chen; * Jian-Hua Zhu; Jia-Guo Yu; Yu-Jian He; * Bao-Hang Han*	Bao-Hang Han*
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	Based Framework toward the Study of High-Performance Supercapacitors			Wang; Yunbo Zhang; Zhihong Tang; Junhe Yang; Arne Thomas; Linjie Zhi*	
119	Synthesis of uniform CdSe quantum wires via oriented attachment	Journal of Nanoscience and Nanotechnology	15; 5798- 5806; 2015	Liu; X.; Wan; J.; Xiong; Y.; Liang; S.; Gao; Y.; * Tang; Z.	Tang; Z.*
120	Solar Light Driven Renewable Butanol Separation by Core-Shell Ag-ZIF-8 Nanowires	Advanced Materials	27; 3273- 3277; 2015	Liu; X.; He; L.; Zheng; J.; Guo; J.; Bi; F.; Ma; X.; Zhao; K.; Liu	Tang; Z.*

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122	Perovskite Solar Cells: Work Mechanism and Major Factors Affecting Their Performances	CHEMICAL JOURNAL OF CHINESE UNIVERSITIES	36(4); 595-607; 2015	Liu Qian; Liming Ding*	Liming Ding*

123	A hexacyclic ladder-type building block for high-performance D–A copolymers	J. Mater. Chem. A	3; 24211-24214; 2015	Liu Qian; Jiamin Cao and Liming Ding*	Liming Ding*
124	Synergistic effect of r-GO/PANI nanocomposite air working ionic actuator on large actuation stroke and long-term durability	Journal of Materials Chemistry A	3; 8380-8388; 2015	Liu Q; Liu LQ; Meng Y; Wang G; Dai Z; Wei Z; Zhang Z	Zhang Z
125	From 1D chain to 3D network: a theoretical study on TiO ₂ low dimensional structures	Journal of Chemical Physics	142 (22); 224305; 2015	Lingju Guo; Zhi Zeng; Tao He*	Tao He*
126	Capping Nanoparticles with Graphene Quantum Dots for Enhanced Thermoelectric Performance	Chemical Science	6; 4103-4108; 2015	Liang; Y.; Lu; C.; * Ding; D.; Zhao; M.; Wang; D.; Hu;	Tang; Z

				C.; Qiu; J.; Xie; G.; * Tang; Z.*	
127	Core-Shell Upconversion Nanoparticle@Metal-Organic Framework Nanoprobes for Luminescent/Magnetic Dual-Mode Targeted Imaging	Advanced Materials	27(27); 4075- 4080; 2015	Li; Y.; Tang; J.; He; L.; Liu; Y.; * Liu; Y.; Chen; C.; * Tang; Z.*	Tang; Z
128	Circularly polarized phosphorescent photoluminescence and electroluminescence of iridium complexes	Scientific Reports	5; 14912; 2015	Li; T.; Jing; Y.; Liu; X.; Zhao; Y.; Shi; L.; Tang; Z.; Zheng; Y.; * Zuo; J.*	Tang; Z
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130	Facile Synthesis of pH-Sensitive Germanium Nanocrystals with High Quantum Yield for Intracellular Acidic Compartment Imaging	Small	11(16); 1954-1961; 2015	Li; F.; Wang; J.; Sun; S.; * Wang; H.; Tang; Z.; Nie; G.*	Tang; Z.;
131	Fabrication-resolution enhancement method based on low-energy multiple exposures	Opt. Express	23(23); 29353-29359; 2015	Lei Wang; Chuang Wang; Haoran Zhang; Feng Xia; Cong Wang; Fengyou Yang; Xinzheng Zhang and Qian Liu*	Qian Liu*

132	Synergistic effects from graphene and carbon nanotubes enable ordered hierarchical structure foams with combination of compressibility; super-elasticity and stability; and their potential application as pressure sensors	Nanoscale	7; 9252-9260; 2015	Kuang J; Dai ZH; Liu LQ; Yang Z; Jin M; Zhang Z	Zhang Z
133	Design of a Sector Bowtie Nano-Rectenna for Optical Power and Infrared Detection	Frontiers of Physics	10 (5); 104101; 2015	Kai Wang; Haifeng Hu; Shan Lu; Lingju Guo; * Tao He*	Tao He*
134	Chemically Crosslinked Hydrogel Film Leads to Integrated Flexible Supercapacitors with Superior Performance	Adv. Mater.	27(45); 7451-7457; 2015	Kai Wang ; Xiong Zhang ; Chen Li ; Xianzhong Sun ; Qinghai Meng ;	Zhixiang Wei *

				Yanwei Ma ; * and Zhixiang Wei *	
135	Short Channel Field-Effect Transistors from Ultrathin GaTe Nanosheets	Applied Physics Letters.	107; 153507; 2015	K. Xu; Z. Y. Zhang; Z. X. Wang; F. Wang; Y. Huang; L. Liao* and J. He*	J. He*
136	Ultrasensitive Phototransistors Based on Few-Layered HfS ₂	Advanced Materials	27; 7881- 7887; 2015	K. Xu; Z. X. Wang; F. Wang; Y. Huang; F. M. Wang; L. Yin; C. Jiang and J. He*	J. He*
137	Sulfur vacancy activated field effect transistors based on ReS ₂ nanosheets	Nanoscale	7; 15757- 15762; 2015	K. Xu; H. Deng; Z. X. Wang; Y. Huang; F. Wang; S. Li; J. Luo and J. He*	J. He*

138	Synergistic effects from graphene and carbon nanotubes endow ordered hierarchical structure foams with a combination of compressibility; super-elasticity and stability and potential application as pressure sensors	Nanoscale	7; 9252-9260; 2015	Jun Kuang; Zhaohe Dai; Luqi Liu*; Zhou Yang; Ming Jin; Zhong Zhang*	Zhong Zhang*
139	Chirality from Substitution: Enantiomer Separation via a Modified Metal–Organic Framework	J. Mater. Chem. A	3 (23); 12145–12148; 2015	Jingshu Zhao; Haiwei Li; Yuzhen Han; Rui Li; Xuesong Ding; Xiao Feng; * Bo Wang*	Bo Wang*
140	Effect of folded and crumpled morphologies of graphene oxide	Polymer	68; 131-139; 2015	Jin Shang; Yuli Chen; Yanguang	Zhong Zhang*

	platelets on the mechanical performances of polymer nanocomposites			Zhou; Luqi Liu*; Guorui Wang; Xianglong Li; Jun Kuang; Qing Liu; Zhaohe Dai; Hong Miao; Linjie Zhi*; Zhong Zhang*	
141	Understanding the Impact of Hierarchical Nanostructure in Ternary Organic Solar Cells	Adv. Sci.	2(10); 1500250; 2015	Jin Fang; Zaiyu Wang; Jianqi Zhang*; Yajie Zhang; Dan Deng; Zhen Wang; Kun Lv; Wei Ma*; Zhixiang Wei*	Zhixiang Wei*

142	Preparation of thickness-tunable BiOCl nanosheets with high photocatalytic activity for photoreduction of CO ₂	RSC Advances	5(121); 100244– 100250; 2015	Jiarui Jin; Yanjie Wang; Tao He*	Tao He*
143	A high-selective positive-type developing technique for phase-change inorganic resist $\text{Ge}_2\text{Sb}_2(1-x)\text{Bi}_x\text{Te}_5$	Materials Science in Semiconductor Processing	40; 690-694; 2015	Jianzheng Li Jianming Zhang; Haoran Zhang; Xing Zhu*; Qian Liu*	Qian Liu*
144	Conjugated Polymer–Small Molecule Alloy Leads to High Efficient Ternary Organic Solar Cells	J. Am. Chem. Soc.	137(25); 8176– 8183; 2015	Jianqi Zhang; Yajie Zhang; Jin Fang; Kun Lu; Zaiyu Wang; Wei Ma*; Zhixiang Wei*	Zhixiang Wei*

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146	Hexacyclic lactam building blocks for highly efficient polymer solar cells	Chem. Commun.	51; 12122-12125; 2015	Jiamin Cao; Chuantian Zuo; Bin Du; * Xiaohui Qiu* and Liming Ding*	Liming Ding*
147	Predicting the right spacing between protein immobilization sites on self-assembled monolayers to optimize ligand binding	Analytical Biochemistry	484; 133-135; 2015	Javier Batista Perez; Deependra Tyagi; Mo Yang; Loany Calvo; Rolando Perez;	Jinsong Zhu*

				Ernesto Moreno*; Jinsong Zhu*	
148	Sugar-Functionalized Water-Soluble Pillar[5]arene and its Host-Guest Interaction with Fullerene	RSC Adv.	5 (25); 19041-19047; 2015	Hui Li; Qi Chen*; Christian Schönbeck; Bao-Hang Han*	Bao-Hang Han*
149	High-performance inverted PThTPTI:PC71BM solar cells	Nano Energy	15; 125-134; 2015	Hui Li; Jiamin Cao; Qing Zhou; Liming Ding*; Jizheng Wang*	Jizheng Wang*
150	Friction and wear of high electrical conductive carbon nanotube buckypaper/epoxy composites	Composites Science and Technology	114; 1-10; 2015	Han JH; Zhang H; Chu PF; Imani A; Zhang Z	Zhang Z
151	The combination of carbon nanotube buckypaper and insulating adhesive for lightning strike	Carbon	94; 101-113; 2015	Han JH; Zhang H; Chen MJ; Wang D;	Zhang Z

	protection of the carbon fiber/epoxy laminates			Liu Q; Wu QL; Zhang Z	
152	Well-oriented epitaxial gold nanotriangles and bowties on MoS ₂ for surface-enhanced Raman scattering	NANOSCALE	7; 9153-9157; 2015	Haiqing Zhou; Fang Yu; Chuan Fei Guo; Zongpeng Wang; Yucheng Lan; Gang Wang; Zheyu Fang; Yuan Liu; Shuo Chen; Lianfeng Sun* and Zhifeng Ren*	Lianfeng Sun*
153	On the drastically improved performance of Fe - doped LiMn ₂ O ₄	Electrochimica Acta	180; 138-146; 2015	Haiqiang Liu; Ruiyuan Tian; Yi Jiang; Xinghua Tan; Jiankun	Weiguo Chu; *

				Chen; Lina Zhang; Yanjun Guo; Hanfu Wang; *; Lianfeng Sun; *; Weiguo Chu; *	
154	Large-Area Polyimide/SWCNT Nanocable Cathode for Flexible Lithium-Ion Batteries	Adv. Mater.	27(41); 6504- 6510; 2015	Haiping Wu ; Qinghai Meng ; Qian Yang ; Miao Zhang ; Kun Lu ; * and Zhixiang Wei *	Zhixiang Wei *
155	Biaxial compressive behavior of embedded monolayer graphene inside flexible poly(methyl methacrylate) matrix	Carbon	86; 69-77; 2015	Guorui Wang; Luqi Liu*; Zhaohe Dai; Qing Liu; Hong	Zhong Zhang*

				Miao; Zhong Zhang*;	
156	Poly(pentacyclic lactam-alt-diketopyrrolopyrrole) for field-effect transistors and polymer solar cells processed from non-chlorinated solvents	Polym. Chem.	7; 164-170; 2015	Guitao Feng; Yunhua Xu; Chengyi Xiao; Jianqi Zhang; Xiaotao Zhang; * Cheng Li; * Zhixiang Wei; Wenping Hu; Zhaohui Wang and Weiwei Li*	Weiwei Li*
157	Lattice Selective Growth of Graphene on Sapphire Substrate	J. Phys. Chem. C	119; 426-430; 2015	Gang Wang; Yun Zhao; Ya Deng; Wenbin Huang; Xiaokun Fan; Jian	Lianfeng Sun*

				Zhang; Ruifei Duan; and Lianfeng Sun*	
158	D–A copolymers containing lactam moieties for polymer solar cells	Polym.Chem.	6; 7373-7376; 2015	Futai Lu; Liu Qian; Jiamin Cao; Yaqing Feng*; Bin Du* and Liming Ding*	
159	Growth Mechanism Deconvolution of Self-Limiting Supraparticles Based on Microfluidic System	ACS Nano	9; 172-179; 2015	Fu; Q.; Sheng; Y.; Tang; H.; Zhu; Z.; Ruan; M.; Xu; W.; * Zhu; Y.; * Tang; Z.*	Tang; Z.*
160	Analysis of the laser oxidation kinetics	Opt. Express	23(22); 29193- 29201; 2015	Feng Xia; Xinzheng Zhang; Meng Wang; Qian Liu; and	Jingjun Xu

	process of In-In ₂ O ₃ MTMO photomasks			Jingjun Xu	
	by laser direct writing				
161	Visible-Light Photocatalytic Conversion of Carbon Dioxide into Methane Using Cu ₂ O/TiO ₂ Hollow Nanospheres	Chinese Journal of Chemistry	33 (1); 112- 118; 2015	Feng Bi; Muhammad Fahad Ehsan; Wei Liu*; Tao He*	Tao He*
162	Tunable GaTe-MoS ₂ van der Waals p-n junctions with novel optoelectronic performance	Nano Letters.	15; 7558- 7566; 2015	F. Wang; Z. X. Wang; K. Xu; F. M. Wang; Q. S. Wang; Y. Huang; L. Yin; and J. He*	J. He*

163	Synthesis; properties and applications of 2D non-graphene materials	Nanotechnology	26; 749-755; 2015	F. Wang; Z. X. Wang*; Q. S. Wang; F. M. Wang; L. Yin; K. Xu; Y. Huang and J. He*	J. He*
164	Tungsten Oxide @ Polypyrrole Core-shell Nanowire Arrays as Novel Negative Electrodes for High-performance Asymmetric Supercapacitors	Small	11; 749-755; 2015	F. M. Wang; X. Y. Zhan; Z. Z. Cheng; Z. X. Wang; Q. S. Wang; K. Xu; M. Safdar and J. He*	J. He*
165	A High-Energy-Density Asymmetric Microsupercapacitor for Integrated Energy System	Advanced Electronic Materials.	1; 1400053; 2015	F. M. Wang; X. Y. Zhan; Z. Z. Cheng; Q. S. Wang; Z. X. Wang; F. Wang; K.	J. He*

				Xu; Y. Huang; M. Safdar and J. He*	
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167	Optically active nanostructured ZnO films	Angewandte Chemie International Edition	54(50); 15170-15175; 2015	Duan; Y.; Han; L.; Zhang; J.; Asahina; S.; Huang; Z.; Shi; L.; Wang; B.; Cao; Y.; Sun;	Tang; Z.*

				L.; Jiang; C.; Tang; Z.; Nafie; L. A.; Che; S.*	
168	Effects of end-capped acceptors subject to subtle structural changes on solution- processable small molecules for organic solar cells	Phys. Chem. Chem. Phys.	17; 8894- 8900; 2015	Dan Deng; Yajie Zhang; Lingyun Zhu; Jianqi Zhang; Kun Lu* and Zhixiang Wei*	Zhixiang Wei*
169	Porous layer-stacking carbon derived from in-built template in biomass for high volumetric performance supercapacitors	Nano Energy	12; 141-151; 2015	Conglai Long; Xu Chen; Lili Jiang; Linjie Zhi; Zhuangjun Fan*	Zhuangjun Fan*

170	Replacing indenenes on fullerene with CH ₂ groups benefits photovoltaic performance	SCIENCE CHINA Chemistry	58(2); 370-372; 2015	Chuantian Zuo; Dan He; Zuo Xiao* & Liming Ding*	Liming Ding*
171	Bulk heterojunctions push the photoresponse of perovskite solar cells to 970 nm	J. Mater. Chem. A	3; 9063-9066; 2015	Chuantian Zuo and Liming Ding*	Liming Ding*
172	Solution-Processed Cu ₂ O and CuO as Hole Transport Materials for Efficient Perovskite Solar Cells	Small	11(41); 5528-5532; 2015	Chuantian Zuo and Liming Ding*	Liming Ding*
173	Solvent Effects and Driving Forces in Pillararene Inclusion Complexes	J. Phys. Chem. B	119 (22); 6711-6720; 2015	Christian Schönbeck; Hui Li; Bao-Hang Han; * Bo W. Laursen*	Bao-Hang Han; *
174	Tunable optical activity of plasmonic dimers	Nanoscale	7(20); 9147-9152; 2015	Chengcheng Rao; Zhen-Gang Wang; Na	Baoquan Ding*

	assembled by DNA origami			Li; Wei Zhang; * Xuecheng Xu* and Baoquan Ding*	
175	Surface Growth of Highly Oriented Covalent Organic Framework Thin Film with Enhanced Photoresponse Speed	RSC Advance	5; 92573- 92576; 2015	Chen; Y.; Cui; H.; Zhang; J.; Zhao; K.; Ding; D.; Guo; J.; Li; L.; * Tian; Z.; * Tang; Z.*	Tang; Z.*
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177	Optimal design of broadband radar absorbing sandwich structure with circuit analog absorber core	International Journal of Applied Mechanics	7; 2; 2015	Chen MJ; Zhu XL; Lei SH; Fang DN; Zhang Z	Zhang Z
178	A Comparison of N-Type Copolymers Based on Cyclopentadithiophene and Naphthalene Diimide/Perylene Diimides for All-Polymer Solar Cells Application	Polym. Chem.	6; 7594-7602; 2015	Bo Xiao; Guodong Ding; Zhan'ao Tan* and Erjun Zhou*	Erjun Zhou*
179	Approaching the Downsizing Limit of Silicon for Surface-Controlled Lithium Storage	Adv. Mater.	27; 1526-1532; 2015	Bin Wang; Xianglong Li*; Bin Luo; Long Hao; Min Zhou; Xinghao Zhang;	Xianglong Li*

				Zhuangjun Fan; Linjie Zhi*	
180	Synergistically engineered self-standing silicon/carbon composite arrays as high performance lithium battery anodes	J. Mater. Chem. A	3; 494-498; 2015	Bin Wang; Tengfei Qiu; Xianglong Li*; Bin Luo; Long Hao; Yunbo Zhang; Linjie Zhi*	Linjie Zhi*
181	Freestanding carbon-coated CNT/Sn(O ₂) coaxial sponges with enhanced lithium-ion storage capability	Nanoscale	7; 20380-20385; 2015	Bin Luo; Tengfei Qiu; Bin Wang; Long Hao; Xianglong Li; Anyuan Cao; Linjie Zhi*	Linjie Zhi*
182	Design and construction of three dimensional graphene-based	Energy Environ. Sci.	8; 456-477; 2015	Bin Luo; Linjie Zhi*	Linjie Zhi*

	composites for lithium ion battery applications				
183	Plasma-treated polystyrene film that enhances binding efficiency forsensitive and label-free protein biosensing	Applied Surface Science	345; 379-386; 2015	Bihong Guo; Shaopeng Li; Lusheng Song; Mo Yang; Wenfei Zhou; Deependra Tyagi; Jinsong Zhu*	
184	Dynamic fracture of carbon nanotube-epoxy composites under high strain-rate loading	Composites Part A	68; 282-288; 2015	Bie BX; Han JH; Lu L; Zhou XM; Huang HJ; Zhang Z; Luo SN	
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