

序号	论文题目	作者	期刊	年-卷-期-页	影响因子	标注单位
1	A Gradient Heterostructure Based on Tolerance Factor in High-Performance Perovskite Solar Cells with 0.84 Fill Factor	Qiao, Hong Wei; Yang, Shuang; Wang, Yun; Chen, Xiao; Wen, Tian Yu; Tang, Li Juan; Cheng, Qilin; Hou, Yu; Zhao, Huijun; Yang, Hua Gui	Advanced Materials	2019,31(5)	25.809	第 1
2	Unsaturated Sulfur Edge Engineering of Strongly Coupled MoS ₂ Nanosheet-Carbon Macroporous Hybrid Catalyst for Enhanced Hydrogen Generation	Xu, Qiucheng; Liu, Yu; Jiang, Hao; Hu, Yanjie; Liu, Honglai; Li, Chunzhong	Advanced Energy Materials	2019,9(2)	24.884	第 1
3	Concurrent Modulation of Competitive Mechanisms to Design Stimuli-Responsive Ln-MOFs: A Light-Operated Dual-Mode Assay for Oxidative DNA Damage	Hao, Ji-Na; Li, Yongsheng	Advanced Functional Materials	2019,29(36)	15.621	第 1
4	Programmable Electrofabrication of Porous Janus Films with Tunable Janus Balance for Anisotropic Cell Guidance and Tissue Regeneration	Lei, Miao; Qu, Xue; Liu, Huan; Liu, Yi; Wang, Shijia; Wu, Shang; Bentley, William E.; Payne, Gregory F.; Liu, Changsheng	Advanced Functional Materials	2019,29(18)	15.621	第 1
5	Impact of Antifouling PEG Layer on the Performance of Functional Peptides in Regulating Cell Behaviors	Chen, Qj; Yu, Shan; Zhang, Donghui; Zhang, Wenjing; Zhang, Haodong; Zou, Jingcheng; Mao, Zhengwei; Yuan, Yuan; Gao,	Journal of The American Chemical Society	2019,141(42):16772-16780	14.695	第 1

		Changyou; Liu, Runhui				
6	Reversible Polymerization-like Kinetics for Programmable Self-Assembly of DNA-Encoded Nanoparticles with Limited Valence	Gu, Mengxin; Ma, Xiaodong; Zhang, Liangshun; Lin, Jiaping	Journal of The American Chemical Society	2019,141(41):16408-16415	14.695	第 1
7	Reconstructing bimetallic carbide Mo ₆ Ni ₆ C for carbon interconnected MoNi alloys to boost oxygen evolution electrocatalysis	Zu, Meng Yang; Wang, Chongwu; Zhang, Le; Zheng, Li Rong; Yang, Hua Gui	Materials Horizons	2019,6(1): 115-121	14.356	第 1
8	In-situ enriching active sites on co-doped Fe-Co ₄ N@N-C nanosheet array as air cathode for flexible rechargeable Zn-air batteries	Xu, Qiucheng; Jiang, Hao; Li, Yuhang; Liang, Da; Hu, Yanjie; Li, Chunzhong	Applied Catalysis B-Environmental	2019,256	14.229	第 1
9	Heterogeneous interface engineered atomic configuration on ultrathin Ni(OH) ₂ /Ni ₃ S ₂ nanoforests for efficient water splitting	Xu, Qiucheng; Jiang, Hao; Zhang, Haoxuan; Hu, Yanjie; Li, Chunzhong	Applied Catalysis B-Environmental	2019,242: 60-66	14.229	第 1
10	Sequence-Regulated Supracolloidal Copolymers via Copolymerization-Like Coassembly of Binary Mixtures of Patchy Nanoparticles	Ma, Xiaodong; Gu, Mengxin; Zhang, Liangshun; Lin, Jiaping; Tian, Xiaohui	Acs Nano	2019,13(2): 1968-1976	13.903	第 1
11	Gradient Redox-Responsive and Two-Stage Rocket-Mimetic Drug Delivery System for Improved Tumor Accumulation and Safe Chemotherapy	Xiaobo Jia; Jianping He; Luying Shen; Jianzhuang Chen; Zhenyang Wei; Xing Qin; Dechao Niu; Yongsheng Li; Jianlin Shi	Nano Letters	2019,19(12): 8690-8700	12.279	第 1

12	Living Supramolecular Polymerization of Rod-Coil Block Copolymers: Kinetics, Origin of Uniformity, and Its Implication	Gao, Liang; Lin, Jiaping; Zhang, Liangshun; Wang, Liquan	Nano Letters	2019,19(3): 2032-2036	12.279	第 1
13	Accelerated proton transmission in metal-organic frameworks for the efficient reduction of CO ₂ in aqueous solutions	Mao, Fangxin; Jin, Yan-Huan; Liu, Peng Fei; Yang, Pengfei; Zhang, Le; Chen, Luyang; Cao, Xiao-Ming; Gu, Jinlou; Yang, Hua Gui	Journal of Materials Chemistry A	2019,7(40): 23055-23063	10.733	第 1
14	Ni-Co-O hole transport materials: gap state assisted hole extraction with superior electrical conductivity	Hou, Yu; Tang, Li Juan; Qiao, Hong Wei; Zhou, Zi Ren; Zhong, Yu Lin; Zheng, Li Rong; Chen, Meng Jiong; Yang, Shuang; Yang, Hua Gui	Journal of Materials Chemistry A	2019,7(36): 20905-20910	10.733	第 1
15	Continuous oxygen vacancy engineering of the Co ₃ O ₄ layer for an enhanced alkaline electrocatalytic hydrogen evolution reaction	Zhang, Haoxuan; Zhang, Jiahao; Li, Yuhang; Jiang, Haibo; Jiang, Hao; Li, Chunzhong	Journal of Materials Chemistry A	2019,7(22): 13506-13510	10.733	第 1
16	Enhanced CO ₂ electroreduction performance over Cl-modified metal catalysts	Fu, Huai Qin; Zhang, Le; Zheng, Li Rong; Liu, Peng Fei; Zhao, Huijun; Yang, Hua Gui	Journal of Materials Chemistry A	2019,7(20): 12420-12425	10.733	第 1
17	Rational design of a tubular, interlayer expanded MoS ₂ -N/O doped carbon composite for excellent potassium-ion storage	Zheng, Nan; Jiang, Guangyu; Chen, Xiao; Mao, Jiayi; Zhou, Yajun; Li, Yongsheng	Journal of Materials Chemistry A	2019,7(15): 9305-9315	10.733	第 1

18	Tailorable surface sulfur chemistry of mesoporous Ni ₃ S ₂ particles for efficient oxygen evolution	Zhang, Haoxuan; Jiang, Hao; Hu, Yanjie; Li, Yuhang; Xu, Qiucheng; Saha, Petr; Li, Chunzhong	Journal of Materials Chemistry A	2019,7(13): 7548-7552	10.733	第 1
19	Multicellularity-interweaved bone regeneration of BMP-2-loaded scaffold with orchestrated kinetics of resorption and osteogenesis	Niu, Haoyi; Ma, Yifan; Wu, Guangyu; Duan, Bing; Wang, Ying; Yuan, Yuan; Liu, Changsheng	Biomaterials	2019,216	10.273	第 1
20	Rapid initiation of guided bone regeneration driven by spatiotemporal delivery of IL-8 and BMP-2 from hierarchical MBG-based scaffold	Lin, Dan; Chai, Yanjun; Ma, Yifan; Duan, Bing; Yuan, Yuan; Liu, Changsheng	Biomaterials	2019,196: 122-137	10.273	第 1
21	A PEG-Lysozyme hydrogel harvests multiple functions as a fit-to-shape tissue sealant for internal-use of body	Tan, Haoqi; Jin, Dawei; Qu, Xue; Liu, Huan; Chen, Xin; Yin, Meng; Liu, Changsheng	Biomaterials	2019,192: 392-404	10.273	第 1
22	Salting-in species induced self-assembly of stable MOFs	Li, Ke; Yang, Jian; Gu, Jinlou	Chemical Science	2019,10(22): 5743-5748	9.556	第 1
23	Sequential catalytic nanomedicine augments synergistic chemodrug and chemodynamic cancer therapy	Liang, Ruijie; Chen, Yu; Huo, Minfeng; Zhang, Jun; Li, Yongsheng	Nanoscale Horizons	2019,4(4): 890-901	9.095	第 1
24	Enhanced moisture stability of metal halide perovskite solar cells based on sulfur-oleylamine surface modification	Hou, Yu; Zhou, Zi Ren; Wen, Tian Yu; Qiao, Hong Wei; Lin, Ze Qing; Ge, Bing; Yang, Hua Gui	Nanoscale Horizons	2019,4(1): 208-213	9.095	第 1

25	Battery Separators Functionalized with Edge-Rich MoS ₂ /C Hollow Microspheres for the Uniform Deposition of Li ₂ S in High-Performance Lithium-Sulfur Batteries	Zheng, Nan; Jiang, Guangyu; Chen, Xiao; Mao, Jiayi; Jiang, Nan; Li, Yongsheng	Nano-Micro Letters	2019,11(1)	9.043	第 1
26	Triggering Sequential Catalytic Fenton Reaction on 2D MXenes for Hyperthermia-Augmented Synergistic Nanocatalytic Cancer Therapy	Ruijie Liang; Yongsheng Li; Minfeng Huo; Han Lin; Yu Chen	Acs Applied Materials & Interfaces	2019,11(46): 42917-42931	8.456	第 1
27	Bioinspired, Injectable, Quaternized Hydroxyethyl Cellulose Composite Hydrogel Coordinated by Mesocellular Silica Foam for Rapid, Noncompressible Hemostasis and Wound Healing	Wang, Chengwei; Niu, Haoyi; Ma, Xiaoyu; Hong, Hua; Yuan, Yuan; Liu, Changsheng	Acs Applied Materials & Interfaces	2019,11(38): 34595-34608	8.456	第 1
28	Revealing the Electrochemical Mechanism of Cationic/Anionic Redox on Li-Rich Layered Oxides via Controlling the Distribution of Primary Particle Size	Lu, Li; Hu, Yanjie; Jiang, Hao; Zhu, Chengxian; Chen, Jinyu; Li, Chunzhong	Acs Applied Materials & Interfaces	2019,11(29): 25796-25803	8.456	第 1
29	Cholesterol-Modified Black Phosphorus Nanospheres for the First NIR-II Fluorescence Bioimaging	Xu, Yifan; Ren, Feng; Liu, Hanghang; Zhang, Hao; Han, Yaobao; Liu, Zheng; Wang, Wenliang; Sun, Qiao; Zhao, Chongjun; Li, Zhen	Acs Applied Materials & Interfaces	2019,11(24): 21399-21407	8.456	第 1
30	Practical Preparation of Infection-Resistant Biomedical Surfaces from Antimicrobial beta-Peptide Polymers	Qi, Fan; Qian, Yuxin; Shao, Ning; Zhou, Ruiyi; Zhang, Si; Lu, Ziyi; Zhou, Min; Xie, Jiayang; Wei, Ting; Yu, Qian; Liu, Runhui	Acs Applied Materials & Interfaces	2019,11(21): 18907-18913	8.456	第 1

31	Self-Assembled Injectable Nanocomposite Hydrogels Coordinated by in Situ Generated CaP Nanoparticles for Bone Regeneration	Kuang, Lijun; Ma, Xiaoyu; Ma, Yifan; Yao, Yuan; Tariq, Muhammad; Yuan, Yuan; Liu, Changsheng	Acs Applied Materials & Interfaces	2019,11(19): 17234-17246	8.456	第 1
32	Highly Stretchable, Sensitive, and Transparent Strain Sensors with a Controllable In-Plane Mesh Structure	Wang, Zhihui; Zhang, Ling; Liu, Jin; Li, Chunzhong	Acs Applied Materials & Interfaces	2019,11(5): 5316-5324	8.456	第 1
33	Amino-functionalized mesoporous PVA/SiO ₂ hybrids coated membrane for simultaneous removal of oils and water-soluble contaminants from emulsion	Liu, Honglin; Yu, Hang; Yuan, Xiang; Ding, Weijie; Li, Yue; Wang, Jikui	Chemical Engineering Journal	2019,374: 1394-1402	8.355	第 1
34	Bismuth oxide self-standing anodes with concomitant carbon dots welded graphene layer for enhanced performance supercapacitor-battery hybrid devices	Wang, Wenqiang; Xiao, Yi; Li, Xingwei; Cheng, Qilin; Wang, Gengchao	Chemical Engineering Journal	2019,371: 327-336	8.355	第 1
35	Attaining a high energy density of 106 Wh kg ⁻¹ for aqueous supercapacitor based on VS ₄ /rGO/CoS ₂ @Co electrode	Wang, Shengqi; Song, Yaping; Ma, Yue; Zhu, Zhaoqiang; Zhao, Chunhua; Zhao, Chongjun	Chemical Engineering Journal	2019,365: 88-98	8.355	第 1
36	Boosting Alkaline Hydrogen Evolution Electrocatalysis over Metallic Nickel Sites through Synergistic Coupling with Vanadium Sesquioxide	Zhang, Xin Yu; Yuan, Haiyang; Mao, Fangxin; Wen, Chun Fang; Zheng, Li Rong; Liu, Peng Fei; Yang, Hua Gui	Chemsuschem		7.804	第 1

37	Layered Confinement Reaction: Atomic-level Dispersed Iron-Nitrogen Co-Doped Ultrathin Carbon Nanosheets for CO ₂ Electroreduction	Tuo, Jinqin; Zhu, Yihua; Cheng, Ling; Li, Yuhang; Yang, Xiaoling; Shen, Jianhua; Li, Chunzhong	Chemsuschem	2019,12(12): 2644-2650	7.804	第 1
38	Ni,Zn-codoped MgCo ₂ O ₄ electrodes for aqueous asymmetric supercapacitor and rechargeable Zn battery	Zhu, Zhaoqiang; Zhang, Ruizhi; Lin, Jiahao; Zhang, Kefu; Li, Nan; Zhao, Chunhua; Chen, Guorong; Zhao, Chongjun	Journal of Power Sources	2019,437	7.467	第 1
39	Ordered Surface Nanostructures Self-Assembled from Rod-Coil Block Copolymers on Microspheres	Xu, Wenheng; Xu, Zhanwen; Cai, Chunhua; Lin, Jiaping; Zhang, Shengmiao; Zhang, Liangshun; Lin, Shaoliang; Yao, Yuan; Qi, Huimin	Journal of Physical Chemistry Letters	2019,10(20): 6375-6381	7.329	第 1
40	Reclaimed Carbon Fiber-Based 2.4 V Aqueous Symmetric Supercapacitors	Zhou, Yanan; Zhu, Zhaoqiang; Zhao, Chunhua; Zhang, Kefu; Wang, Bailing; Zhao, Chongjun; Chen, Guorong	ACS Sustainable Chemistry & Engineering	2019,7(5): 5095-5102	6.97	第 1
41	Fe ₃ O ₄ -Embedded and N-Doped Hierarchically Porous Carbon Nanospheres as High-Performance Lithium Ion Battery Anodes	Mao, Jiayi; Niu, Dechao; Zheng, Nan; Jiang, Guangyu; Zhao, Wenru; Shi, Jianlin; Li, Yongsheng	ACS Sustainable Chemistry & Engineering	2019,7(3): 3424-3433	6.97	第 1

42	Carbon-loaded ultrafine fully crystalline phase palladium-based nanoalloy PdCoNi/C: facile synthesis and high activity for formic acid oxidation	Pan, Yu; Zhu, Yihua; Shen, Jianhua; Chen, Ying; Li, Chunzhong	Nanoscale	2019,11(37): 17334-17339	6.97	第 1
43	Locally-ordered PtNiPb ternary nanopompons as efficient bifunctional oxygen reduction and methanol oxidation catalysts	Cheng, Na; Zhang, Ling; Jiang, Hao; Zhou, Yingjie; Yu, Shengwei; Chen, Liyuan; Jiang, Haibo; Li, Chunzhong	Nanoscale	2019,11(36): 16945-16953	6.97	第 1
44	Polyglutamic acid-coordinated assembly of hydroxyapatite nanoparticles for synergistic tumor-specific therapy	Ma Xiaoyu; Dong Xiuling; Zang Chunyu; Sun Yi; Qian Jiangchao; Yuan Yuan; Liu Changsheng	Nanoscale	2019,11(32): 15312-15325	6.97	第 1
45	A flexible bimodal sensor based on an electrospun nanofibrous structure for simultaneous pressure-temperature detection	Wang, Zhihui; Zhang, Ling; Liu, Jin; Li, Chunzhong	Nanoscale	2019,11(30): 14242-14249	6.97	第 1
46	Multifunctional films with a highly oriented "nano-brick wall" structure by regulating modified TiO ₂ @graphene oxide/poly(vinyl alcohol) nanocomposites	Bi, Shumeng; Zhang, Ling; Li, Chunzhong	Nanoscale	2019,11(15): 7424-7432	6.97	第 1
47	Diverse chiral assemblies of nanoparticles directed by achiral block copolymers via nanochannel confinement	Zhang, Qian; Gu, Jiabin; Zhang, Liangshun; Lin, Jiaping	Nanoscale	2019,11(2): 474-484	6.97	第 1
48	Preparation, characterization, in vitro bioactivity and rBMSCs responses to tantalum pentoxide/polyimide biocomposites for dental and orthopedic implants	Asadullah, Syed; Wu, Han; Mei, Shiqi; Wang, Deqiang; Pan, Yongkang; Wang, Dongliang; Zhao,	Composites Part B- Engineering	2019,177	6.864	第 1

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49	Substitution-type luminescent MOF sensor with built-in capturer for selective cholesterol detection in blood serum	Gong, Ming; Yang, Jian; Li, Yongsheng; Zhuang, Qixin; Gu, Jinlou	Journal of Materials Chemistry C	2019,7(40): 12674-12681	6.641	第 1
50	Synthesis of CsPbBr ₃ perovskite nanocrystals with the sole ligand of protonated (3-aminopropyl)triethoxysilane	Zhu, Jingrun; Zhu, Yihua; Huang, Jianfei; Gong, Yiqin; Shen, Jianhua; Li, Chunzhong	Journal of Materials Chemistry C	2019,7(24): 7201-7206	6.641	第 1
51	Response to Letter to Editor "Comment on 'Tuning the bioactivity of bone morphogenetic protein-2 with surface immobilization strategies' by Chen et al."	Wang, Jing	Acta Biomaterialia	2019,89: 420-420	6.638	第 1
52	Role of polydopamine's redox-activity on its pro-oxidant, radical-scavenging, and antimicrobial activities	Liu, Huan; Qu, Xue; Tan, Haoqi; Song, Jialin; Lei, Miao; Kim, Eunkyong; Payne, Gregory F.; Liu, Changsheng	Acta Biomaterialia	2019,88: 181-196	6.638	第 1
53	Mechanical and thermal properties of poly(vinyl chloride) composites filled with carbon microspheres chemically modified by a biopolymer coupling agent	Lu, Yunhua; Khanal, Santosh; Ahmed, Saad; Xu, Shiai	Composites Science and Technology	2019,172: 29-35	6.309	第 1
54	Highly enhanced thermal conductivity of epoxy composites by constructing dense thermal conductive network with combination of alumina and carbon nanotubes	Yan, Rong; Su, Fan; Zhang, Ling; Li, Chunzhong	Composites Part A- Applied Science and Manufacturing	2019,125	6.282	第 1

55	A robust MOF-based trap with high-density active alkyl thiol for the super-efficient capture of mercury	Yang, Pengfei; Shu, Yufang; Zhuang, Qixin; Li, Yongsheng; Gu, Jinlou	Chemical Communications	2019,55(86): 12972-12975	6.164	第 1
56	Bismuth oxyiodide microflower-derived catalysts for efficient CO ₂ electroreduction in a wide negative potential region	Liu, Peng Fei; Zu, Meng Yang; Zheng, Li Rong; Yang, Hua Gui	Chemical Communications	2019,55(82): 12392-12395	6.164	第 1
57	Assembly of silica rods into tunable branched living nanostructures mediated by coalescence of catalyst droplets	Cai, Chunhua; Ge, Yinbiao; Lin, Jiaping; Xu, Zhanwen	Chemical Communications	2019,55(30): 4391-4394	6.164	第 1
58	Synthesis of Nanowires via Temperature-Induced Supramolecular Step-Growth Polymerization	Gao, Hongbing; Ma, Xiaodong; Lin, Jiaping; Wang, Liquan; Cai, Chunhua; Zhang, Liangshun; Tian, Xiaohui	Macromolecules	2019,52(20): 7731-7739	5.997	第 1
59	Carbon impurity-free, novel Mn,N co-doped porous Mo ₂ C nanorods for an efficient and stable hydrogen evolution reaction	Zhou, Yajun; Xu, Jieyu; Lian, Cheng; Ge, Lin; Zhang, Lingxia; Li, Liang; Li, Yunheng; Wang, Min; Liu, Honglai; Li, Yongsheng	Inorganic Chemistry Frontiers	2019,6(9): 2464-2471	5.934	第 1
60	Confined Co ₉ S ₈ into a defective carbon matrix as a bifunctional oxygen electrocatalyst for rechargeable zinc-air batteries	Meng, Lu; Zhan, Ling; Jiang, Hongliang; Zhu, Yihua; Li, Chunzhong	Catalysis Science & Technology	2019,9(20): 5757-5762	5.726	第 1

61	Alpha-beta chimeric polypeptide molecular brushes display potent activity against superbugs-methicillin resistant Staphylococcus aureus	Zhang, Danfeng; Qian, Yuxin; Zhang, Si; Ma, Pengcheng; Zhang, Qiang; Shao, Ning; Qi, Fan; Xie, Jiayang; Dai, Chengzhi; Zhou, Ruiyi; Qiao, Zhongqian; Zhang, Wenjing; Chen, Sheng; Liu, Runhui	Science China-Materials	2019,62(4): 604-610	5.636	第 1
62	A general strategy to inner tuned hydrothermal preparation of MxOy@M electrodes and improved electrochemical performances	Zhu, Zhaoqiang; Zhang, Kefu; Zhang, Ruizhi; Lin, Jiahao; Zhao, Chunhua; Chen, Guorong; Zhao, Chongjun	Electrochimica Acta	2019,310: 162-172	5.383	第 1
63	Nanochannel-confined synthesis of Nb ₂ O ₅ /CNTs nanopeapods for ultrastable lithium storage	Yu, Haifeng; Xu, Lei; Wang, Haiyan; Jiang, Hao; Li, Chunzhong	Electrochimica Acta	2019,295: 829-834	5.383	第 1
64	The regulatory role of sulfated polysaccharides in facilitating rhBMP-2-induced osteogenesis	Chen, Han; Yu, Yuanman; Wang, Chenmin; Wang, Jing; Liu, Changsheng	Biomaterials Science	2019,7(10): 4375-4387	5.251	第 1
65	Efficient synthesis of amino acid polymers for protein stabilization	Li, Bing; Wu, Yueming; Zhang, Wenjing; Zhang, Si; Shao, Ning; Zhang, Weiwei; Zhang, Lixin; Fei, Jian; Dai, Yidong; Liu, Runhui	Biomaterials Science	2019,7(9): 3675-3682	5.251	第 1

66	Biodegradable organosilica magnetic micelles for magnetically targeted MRI and GSH-triggered tumor chemotherapy	Yang, Tiangang; Niu, Dechao; Chen, Jianzhuang; He, Jianping; Yang, Shaobo; Jia, Xiaobo; Hao, Jina; Zhao, Wenru; Li, Yongsheng	Biomaterials Science	2019,7(7): 2951-2960	5.251	第 1
67	Facile synthesis of organosilica-capped mesoporous silica nanocarriers with selective redox-triggered drug release properties for safe tumor chemotherapy	Shen, Luying; Pan, Shan; Niu, Dechao; He, Jianping; Jia, Xiaobo; Hao, Jina; Gu, Jinlou; Zhao, Wenru; Li, Pei; Li, Yongsheng	Biomaterials Science	2019,7(5): 1825-1832	5.251	第 1
68	Host defense peptide mimicking poly-peptides with fast, potent and broad spectrum antibacterial activities	Zhang, Qiang; Ma, Pengcheng; Xie, Jiayang; Zhang, Si; Xiao, Ximian; Qiao, Zhongqian; Shao, Ning; Zhou, Min; Zhang, Wenjing; Dai, Chengzhi; Qian, Yuxin; Qi, Fan; Liu, Runhui	Biomaterials Science	2019,7(5): 2144-2151	5.251	第 1
69	Interface-strengthened CoP nanosheet array with Co ₂ P nanoparticles as efficient electrocatalysts for overall water splitting	Hua, Yanping; Xu, Qiucheng; Hu, Yanjie; Jiang, Hao; Li, Chunzhong	Journal of Energy Chemistry	2019,37:1-6	5.162	第 1
70	ZnO@MOF@PANI core-shell nanoarrays on carbon cloth for high-performance supercapacitor electrodes	Zhu, Chunmei; He, Ying; Liu, Yijun; Kazantseva, Natalia; Saha, Petr; Cheng, Qilin	Journal of Energy Chemistry	2019,35: 124-131	5.162	第 1

71	A one-pot method for controlled synthesis and selective etching of organic-inorganic hybrid perovskite crystals	Hou, Yu; Chen, Mengjiong; Qiao, Hongwei; Yang, Huagui	Journal of Energy Chemistry	2019,33: 149-154	5.162	第 1
72	In-situ synthesized surface N-doped Pt/TiO ₂ via flame spray pyrolysis with enhanced thermal stability for CO catalytic oxidation	Bi, Wei; Hu, Yanjie; Jiang, Hao; Yu, Hui; Li, Wenge; Li, Chunzhong	Applied Surface Science	2019,481: 360-368	5.155	第 1
73	Syntheses of diselenide-containing dynamic polymers and their application in polymer alloys	Liu, Jia; Ma, Xiaoning; Tong, Yanping; Lang, Meidong	Applied Surface Science	2019,467: 477-485	5.155	第 1
74	Separation of oil-water emulsion and adsorption of Cu(II) on a chitosan-cellulose acetate-TiO ₂ based membrane	Yu, Hang; Liu, Honglin; Yuan, Xiang; Ding, Weijie; Li, Yue; Wang, Jikui	Chemosphere	2019,235: 239-247	5.108	第 1
75	A hierarchical nanostructural coating of amorphous silicon nitride on polyetheretherketone with antibacterial activity and promoting responses of rBMSCs for orthopedic applications	Xu, Zhiyan; Wu, Han; Wang, Fan; Kaewmanee, Rames; Pan, Yongkang; Wang, Deqiang; Qu, Pengyu; Wang, Zhikang; Hu, Gangfeng; Zhao, Jun; Zhao, Ruiyang; Wei, Jie	Journal of Materials Chemistry B	2019,7(39): 6035-6047	5.047	第 1
76	A mechanically robust and flexible PEGylated poly(glycerol sebacate)/beta-TCP nanoparticle composite membrane for guided bone regeneration	Yu, Shuang; Shi, Jun; Liu, Yutong; Si, Jiawen; Yuan, Yuan; Liu, Changsheng	Journal of Materials Chemistry B	2019,7(20): 3279-3290	5.047	第 1
77	Construction of cytokine reservoirs based on sulfated chitosan hydrogels for the capturing of VEGF in situ	Wang, Chenmin ² ; Yu, Yuanman; Chen, Han; Zhang, Shuang; Wang, Jing; Liu,	Journal of Materials Chemistry B	2019,7(11): 1882-1892	5.047	第 1

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78	Formation of enzymatic/redox-switching nanogates on mesoporous silica nanoparticles for anticancer drug delivery	Luo, Wei; Xu, Xin; Zhou, Bingjie; He, Peixin; Li, Yulin; Liu, Changsheng	Materials Science & Engineering C- Materials For Biological Applications	2019,100: 855-861	4.959	第 1
79	Direct assembly of anticancer drugs to form Laponite-based nanocomplexes for therapeutic co-delivery	Zheng, Ling; Zhou, Bingjie; Qiu, Xiaofeng; Xu, Xin; Li, Gang; Lee, Wayne Y. W.; Jiang, Jia; Li, Yulin	Materials Science & Engineering C- Materials For Biological Applications	2019,99: 1407-1414	4.959	第 1
80	One-pot doping platinum porphyrin recognition centers in Zr-based MOFs for ratiometric luminescent monitoring of nitric oxide in living cells	Ye, Yunxi; Liu, Hongmei; Lia, Yonsheng; Zhuang, Qixin; Liu, Peifeng; Gu, Jinlou	Talanta	2019,200: 472-479	4.916	第 1
81	Supramolecular step-growth polymerization kinetics of pre-assembled triblock copolymer micelles	Lu, Yingqing; Gao, Liang; Lin, Jiaping; Wang, Liquan; Zhang, Liangshun; Cai, Chunhua	Polymer Chemistry	2019,10(25): 3461-3468	4.76	第 1
82	One-shot synthesis and solution properties of ROS/pH responsive methoxy poly(ethylene glycol)-b-polycarbonate	Zhang, Yan; Xu, Yue; Wei, Chao; Sun, Chuanhao; Yan, Bingkun; Hu, Jieni; Lu, Wei	Polymer Chemistry	2019,10(17): 2143-2151	4.76	第 1
83	Efficient Capture and T2 Magnetic Resonance Assay of Candida albicans with Inorganic Nanoparticles: Role of Nanoparticle Surface Charge and Fungal Cell Wall	Tian, Wei; Li, Fan; Wu, Shengming; Li, Gen; Fan, Lieying; Qu, Xue; Jia, Xinming; Wang,	Acs Biomaterials Science & Engineering	2019,5(7): 3270-3278	4.511	第 1

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84	Accelerated Bone Regenerative Efficiency by Regulating Sequential Release of BMP-2 and VEGF and Synergism with Sulfated Chitosan	Zhang, Shuang; Chen, Jie; Yu, Yuanman; Dai, Kai; Wang, Jing; Liu, Changsheng	Acs Biomaterials Science & Engineering	2019,5(4): 1944-1955	4.511	第 1
85	Microporous Coatings of PEKK/SN Composites Integration with PEKK Exhibiting Antibacterial and Osteogenic Activity, and Promotion of Osseointegration for Bone Substitutes	Wu, Han; Yang, Lili; Qian, Jun; Wang, Deqing; Pan, Yongkang; Wang, Xuehong; Nabanita, Saha; Tang, Tingting; Zhao, Jun; Wei, Jie	Acs Biomaterials Science & Engineering	2019,5(3): 1290-1301	4.511	第 1
86	Confined growth of multiple gold nanorices in dual-mesoporous silica nanospheres for improved computed tomography imaging and photothermal therapy	Qin, Limei; Niu, Dechao; Jiang, Yu; He, Jianping; Jia, Xiaobo; Zhao, Wenru; Li, Pei; Li, Yongsheng	International Journal of Nanomedicine	2019,14: 1519-1532	4.471	第 1
87	Research progress in materials-oriented chemical engineering in China	Jiang, Hao; Han, Yongsheng; Zhang, Qiang; Wang, Jiexin; Fan, Yiqun; Li, Chunzhong	Reviews In Chemical Engineering	2019,35(8): 917-927	4.2	第 1
88	Highly selective and rapid detection of pentachlorophenol in aqueous solution with metalloporphyrinic MOFs	Ye, Yunxi; Huang, Chengjie; Yang, Jian; Li, Yongsheng; Zhuang, Qixin; Gu, Jinlou	Microporous and Mesoporous Materials	2019,284: 36-42	4.182	第 1

89	Direct low-temperature hydrothermal synthesis of uniform Pd nanoparticles encapsulated mesoporous TS-1 and its excellent catalytic capability	Gao, Xiang; Zhou, Yajun; Feng, Lixiu; Tian, Feixiang; Liu, Xiaohui; Xu, Jing; Li, Yongsheng	Microporous and Mesoporous Materials	2019,283: 82-87	4.182	第 1
90	Facile synthesis of hierarchical manganese-containing TS-1 and its application on the oxidation of cyclohexanone with molecular oxygen	Gao, Xiang; Zhou, Yajun; Gu, Jinlou; Li, Liang; Li, Yongsheng	Microporous and Mesoporous Materials	2019,275: 263-269	4.182	第 1
91	Corrosion resistance of inorganic zinc-rich coating reinforced by Ni-coated coal fly ash	Cheng, Lihong; Luo, Yang; Ma, Shuhua; Guo, Weihong; Wang, Xiaohui	Journal of Alloys and Compounds	2019,786: 791-797	4.175	第 1
92	Effect of graphene on corrosion resistance of waterborne inorganic zinc-rich coatings	Cheng, Lihong; Liu, Chunli; Han, Dajie; Ma, Shuhua; Guo, Weihong; Cai, Haifeng; Wang, Xiaohui	Journal of Alloys and Compounds	2019,774: 255-264	4.175	第 1
93	In situ self-assembly synthesis of carbon self-doped graphite carbon nitride hexagonal tubes with enhanced photocatalytic hydrogen evolution	Yang, Yun; Liu, Jinzhe; Zhou, Chencheng; Zhang, Peilin; Guo, Shouzhi; Li, Shuo; Meng, Xingjun; Lu, Yue; Xu, Huajiang; Ma, Haojie; Chen, Luyang	International Journal of Hydrogen Energy	2019,44(50): 27354-27362	4.084	第 1
94	One-step preparation of Fe-doped Ni ₃ S ₂ /rGO@NF electrode and its superior OER performances	Shao, Danmin; Li, Pengwei; Zhang, Ruizhi; Zhao, Chunhua; Wang, Deqiang; Zhao, Chongjun	International Journal of Hydrogen Energy	2019,44(5): 2664-2674	4.084	第 1

95	Phytic acid-derived $\text{Co}_{2-x}\text{Ni}_x\text{P}_2\text{O}_7\text{-C/RGO}$ and its superior OER electrocatalytic performance	Zhao, Chongjun; Li, Pengwei; Shao, Danmin; Zhang, Ruizhi; Wang, Shengqi; Zhu, Zhaoqiang; Zhao, Chunhua	International Journal of Hydrogen Energy	2019,44(2): 844-852	4.084	第 1
96	Specific detection of hypochlorite based on the size-selective effect of luminophore integrated MOF-801 synthesized by a one-pot strategy	Ye, Yunxi; Zhao, Liwei; Hu, Shuanggang; Liang, Ajuan; Li, Yongsheng; Zhuang, Qixin; Tao, Guorong; Gu, Jinlou	Dalton Transactions	2019,48(8): 2617-2625	4.052	第 1
97	Synthesis and properties of rigid polyurethane foams synthesized from modified urea-formaldehyde resin	Zhu, Heng; Xu, Shi-ai	Construction and Building Materials	2019,202: 718-726	4.046	第 1
98	Application of polybenzimidazole as a panchromatic ultraviolet absorber in poly(vinyl chloride) film	Zhang, Xiaodan; Cai, Yangben; Teng, Xin; Nan, Bohua; Xu, Shiai	Construction and Building Materials	2019,194: 171-178	4.046	第 1
99	Hierarchical PANI/NiCo-LDH Core-Shell Composite Networks on Carbon Cloth for High Performance Asymmetric Supercapacitor	Ge, Xinjin; He, Ying; Plachy, Tomas; Kazantseva, Natalia; Saha, Petr; Cheng, Qilin	Nanomaterials	2019,9(4)	4.034	第 1
100	Three-Dimensional Graphene-Foam-Supported Hierarchical Nickel Iron Phosphide Nanosheet Arrays as Efficient and Stable Bifunctional Electrocatalysts for Overall Water Splitting	Jian, Xue; Li, Shuo; Liu, Jinzhe; Zhou, Chencheng; Guo, Shouzhi; Zhang, Peilin; Yang, Yun; Chen, Luyang	Chemelectrochem	2019,6(21): 5407-5412	3.975	第 1

10 1	Robust hierarchical porous MBG scaffolds with promoted biomineralization ability	Xie, Peng; Du, Jiahui; Li, Yulin; Wu, Jingyao; He, Hongyan; Jiang, Xinquan; Liu, Changsheng	Colloids and Surfaces B-Biointerfaces	2019,178: 22-31	3.973	第 1
10 2	Influences of tantalum pentoxide and surface coarsening on surface roughness, hydrophilicity, surface energy, protein adsorption and cell responses to PEEK based biocomposite	Mei, Shiqi; Yang, Lili; Pan, Yongkang; Wang, Deqiang; Wang, Xuehong; Tang, Tingting; Wei, Jie	Colloids and Surfaces B-Biointerfaces	2019,174: 207-215	3.973	第 1
10 3	Hepatocyte culture on 3D porous scaffolds of PCL/PMCL	Xiao, Yan; Zhou, Miaomiao; Zhang, Mi; Liu, Wei; Zhou, Yan; Lang, Meidong	Colloids and Surfaces B-Biointerfaces	2019,173: 185-193	3.973	第 1
10 4	Subnano-Sized Pt-Au Alloyed Clusters as Enhanced Cocatalyst for Photocatalytic Hydrogen Evolution	Cheng, Ling; Li, Yuhang; Chen, Aiping; Zhu, Yihua; Li, Chunzhong	Chemistry-An Asian Journal	2019,14(12): 2112-2115	3.698	第 1
10 5	Selective Separation of Isomeric Dicarboxylic Acid by the Preferable Crystallization of Metal-Organic Frameworks	Yang, Pengfei; Gong, Ming; Ye, Yunxi; Li, Yongsheng; Zhuang, Qixin; Gu, Jinlou	Chemistry-An Asian Journal	2019,14(1): 135-140	3.698	第 1
10 6	Preparation of Macroporous Polymers from Microcapsule-Stabilized Pickering High Internal Phase Emulsions	Zhu, Hanying; Zhang, Maolin; Zhang, Shengmiao	Langmuir	2019,35(29): 9504-9512	3.683	第 1
10 7	Surface enrichment and nonleaching antimicrobial performance of polypropylene grafted poly(hexamethylene guanidine) (PP-g-PHMG) in poly (ethylene terephthalate)/PP-g-PHMG	Cao, Wei; Wei, Dafu; Zheng, Anna; Guan, Yong	European Polymer Journal	2019,118: 231-238	3.621	第 1

108	Renewable and flexible UV-blocking film from poly(butylene succinate) and lignin	Zhang, Yan; Zhou, Shumin; Fang, Xiangchen; Zhou, Xin; Wang, Jingya; Bai, Fudong; Peng, Shaozhong	European Polymer Journal	2019,116: 265-274	3.621	第 1
109	Zinc oxide with dominant (100) facets boosts vulcanization activity	Cui, Jian; Zhang, Ling; Wu, Wangchao; Cheng, Zhimin; Sun, Ying; Jiang, Haibo; Li, Chunzhong	European Polymer Journal	2019,113: 148-154	3.621	第 1
110	Customizing topographical templates for aperiodic nanostructures of block copolymers via inverse design	Zhang, Runrong; Zhang, Liangshun; Lin, Jiaping; Lin, Shaoliang	Physical Chemistry Chemical Physics	2019,21(15): 7781-7788	3.567	第 1
111	Self-assembly and stimuli-responsive behaviours of side-chain liquid crystalline copolymers: a dissipative particle dynamics simulation approach	Lv, Yisheng; Wang, Liquan; Wu, Fangsheng; Gong, Shuting; Wei, Jie; Lin, Shaoliang	Physical Chemistry Chemical Physics	2019,21(14): 7645-7653	3.567	第 1
112	Distinctive phase separation dynamics of polymer blends: roles of Janus nanoparticles	Li, Qing; Wang, Liquan; Lin, Jiaping; Zhang, Liangshun	Physical Chemistry Chemical Physics	2019,21(5): 2651-2658	3.567	第 1
113	Surface chemical bonding with poly(hexamethylene guanidine) for non-leaching antimicrobial poly(ethylene terephthalate)	Cao, Wei; Wei, Dafu; Jiang, Yachao; Ye, Saijun; Zheng, Anna; Guan, Yong	Journal of Materials Science	2019,54(3): 2699-2711	3.442	第 1
114	Poly (propylene fumarate)/beta-calcium phosphate composites for enhanced bone repair	Ma, Chunmeng; Ma, Zhengyu; Yang, Feng; Wang, Jing; Liu, Changsheng	Biomedical Materials	2019,14(4)	3.44	第 1

115	110th Anniversary: Concurrently Coating and Doping High-Valence Vanadium in Nickel-Rich Lithiated Oxides for High-Rate and Stable Lithium-Ion Batteries	Yu, Haifeng; Li, Yugang; Hu, Yanjie; Jiang, Hao; Li, Chunzhong	Industrial & Engineering Chemistry Research	2019,58(10): 4108-4115	3.375	第 1
116	Macroporous MoS ₂ /carbon hybrid film with superior ion/electron conductivity for superhigh areal capacity Li-ion batteries	Zhang, Haoxuan; Liu, Yu; Jiang, Hao; Deng, Zongnan; Liu, Honglai; Li, Chunzhong	Chemical Engineering Science	2019,207: 611-618	3.372	第 1
117	Internal-diffusion controlled synthesis of V ₂ O ₅ hollow microspheres for superior lithium-ion full batteries	Shan, Yilin; Xu, Lei; Hu, Yanjie; Jiang, Hao; Li, Chunzhong	Chemical Engineering Science	2019,200: 38-45	3.372	第 1
118	Rapid low-temperature synthesis of hollow CuS _{0.55} nanoparticles for efficient electrocatalytic water oxidation	Zhang, Haoxuan; Jiang, Hao; Xu, Qiucheng; Hu, Yanjie; Li, Chunzhong	Chemical Engineering Science	2019,195: 665-670	3.372	第 1
119	High solid content production of environmentally benign ultra-thin lignin-based polyurethane films: Plasticization and degradation	Zhang, Yan; Wang, Jingya; Fang, Xiangchen; Liao, Jianjun; Zhou, Xin; Zhou, Shumin; Bai, Fudong; Peng, Shaozhong	Polymer	2019,178	3.164	第 1
120	Polyamide 6 composite with highly improved mechanical properties by PEI-CNT grafted glass fibers through interface wetting, infiltration and crystallization	Fang, Jianpeng; Zhang, Ling; Li, Chunzhong	Polymer	2019,172: 253-264	3.164	第 1
121	Crystallization Behavior and Properties of Glass Fiber Reinforced Polypropylene Composites	Wang, Yuming; Cheng, Lihong; Cui, Xiaoqian; Guo, Weihong	Polymers	2019,11(7)	3.164	第 1

12 2	Optimized Synthesis of Biodegradable Elastomer PEGylated Poly(glycerol sebacate) and Their Biomedical Application	Wang, Yanxiang; Wu, Haiwa; Wang, Zihao; Zhang, Jingjing; Zhu, Jing; Ma, Yifan; Yang, Zhaogang; Yuan, Yuan	Polymers	2019,11(6)	3.164	第 1
12 3	A Facile Way to Prepare Hydrophilic Homogeneous PES Hollow Fiber Membrane via Non-Solvent Assisted Reverse Thermally Induced Phase Separation (RTIPS) Method	Liu, Min; Skov, Anne Ladegaard; Liu, Sheng-Hui; Yu, Li-Yun; Xu, Zhen-liang	Polymers	2019,11(2)	3.164	第 1
12 4	Dynamic Optics with Transparency and Color Changes under Ambient Conditions	Jiang, Yeja; Zeng, Songshan; Yao, Yu; Xu, Shiyu; Dong, Qiaonan; Chen, Pingxu; Wang, Zhaofeng; Zhang, Monica; Zhu, Mengting; Xu, Gefan; Zeng, Huidan; Sun, Luyi	Polymers	2019,11(1)	3.164	第 1
12 5	Improved Flame-Retardant and Ceramifiable Properties of EVA Composites by Combination of Ammonium Polyphosphate and Aluminum Hydroxide	Lou, Feipeng; Wu, Kai; Wang, Quan; Qian, Zhongyu; Li, Shijuan; Guo, Weihong	Polymers	2019,11(1)	3.164	第 1
12 6	Pt catalysts supported on lignin-based carbon dots for methanol electro-oxidation	Li, Xingwei; Lv, Yuhong; Pan, Dan	Colloids and Surfaces A-Physicochemical and Engineering Aspects	2019,569: 110-118	3.131	第 1
12 7	In situ liquid cell TEM observation of solution-mediated interaction behaviour of Au/CdS nanoclusters	Wu, Yulian; Chen, Xin; Li, Chang; Fang, Jiali; Liu, Haiyang	New Journal of Chemistry	2019,43(32): 12548-12554	3.069	第 1

12 8	Tranexamic acid-loaded starch hemostatic microspheres	Su, Huantong; Wei, Shuda; Chen, Fangping; Cui, Ruihua; Liu, Changsheng	Rsc Advances	2019,9(11): 6245-6253	3.049	第 1
12 9	Preparation of super-hydrophilic polyphenylsulfone nanofiber membranes for water treatment	Wang, Yan; Gorecki, Radoslaw Pawel; Stamate, Eugen; Norrman, Kion; Aili, David; Zuo, Min; Guo, Weihong; Helix-Nielsen, Claus; Zhang, Wenjing	Rsc Advances	2019,9(1): 278-286	3.049	第 1
13 0	Evaluation of mixing performance for the industrial-scale radial multiple jets-in-crossflow mixing structure	Zhou, Meifang; Jiang, Hao; Hu, Yanjie; Lu, Zhimin; Jiang, Haibo; Li, Chunzhong	Chemical Engineering and Processing-Process Intensification	2019,141	3.031	第 1
13 1	Preparation and Characterization of Single-Component Poly-alpha-olefin Oil Base Stocks	Dong, Su Q.; Mi, Pu K.; Xu, Sheng; Zhang, Jun; Zhao, Rui D.	Energy & Fuels	2019,33(10): 9796-9804	3.021	第 1
13 2	Photoluminescence Characteristics of Sn ²⁺ and Ce ³⁺ -Doped Cs ₂ SnC ₁₆ Double-Perovskite Crystals	Zhang, Hongdan; Zhu, Ludan; Cheng, Jun; Chen, Long; Liu, Chuanqi; Yuan, Shuanglong	Materials	2019,12(9)	2.972	第 1
13 3	Tunable upconversion emission in Er ³⁺ /Yb ³⁺ co-doped oxyfluoride glass ceramics containing NaYF ₄ nanocrystals by the incorporation of Li ⁺ ions	Guo, Yangyang; Zeng, Huidan; Jiang, Yeja; Qi, Gongwen; Chen, Guorong; Chen, Jianding; Sun, Luyi	Journal of Luminescence	2019,214	2.961	第 1

13 4	High Performance Antistatic HDPE Composites with Bridging Effect of Hybrid Carbon Black and Multi-Walled Carbon Nanotubes Fillers	Wang, Quan; Cheng, Lihong; Wang, Jikui; Qian, Ziming; Wei, Ting; Guo, Weihong	Advanced Engineering Materials	2019,21(2)	2.906	第 1
13 5	Construction of polyaniline/lignin composite with interpenetrating fibrous networks and its improved electrochemical capacitance performances	Wang, Li; Li, Xingwei; Xu, Hailing; Wang, Gengchao	Synthetic Metals	2019,249: 40-46	2.87	第 1
13 6	New environmental-friendly yellow pigments $Y_{4-x}A_xMoO_{9+\delta}$ (A = Ta, Tb)	Cai, Mengjun; Chen, Shuaifeng; Ma, Xinsheng; Chen, Jianding	Journal of Rare Earths	2019,37(7): 741-749	2.846	第 1
13 7	Biofilm Disruption Utilizing alpha/beta Chimeric Polypeptide Molecular Brushes	Zhang, Si; Xiao, Xi-Mian; Qi, Fan; Ma, Peng-Cheng; Zhang, Wei-Wei; Dai, Cheng-Zhi; Zhang, Dan-Feng; Liu, Run-Hui	Chinese Journal of Polymer Science	2019,37(11): 1105-1112	2.804	第 1
13 8	Synthesis of Cerium-containing Polymethylphenyl Silicone and Its Antioxidant Effect on Fluorosilicone Rubber	Guan, Yong; Hu, Jian; Huang, Yong-Kang; You, Yang; Zhang, Huan-Yao; Zheng, An-Na; Xu, Xiang; Wei, Da-Fu	Chinese Journal of Polymer Science	2019,37(8): 783-789	2.804	第 1
13 9	Facile synthesis of multi-shelled hollow Cu-CeO ₂ microspheres with promoted catalytic performance for preferential oxidation of CO	Li, Wenge; Hu, Yanjie; Jiang, Hao; Yang, Shuo; Li, Chunzhong	Materials Chemistry and Physics	2019,226: 158-168	2.781	第 1
14 0	Defect-induced efficient CO elimination over nonstoichiometric ZnO Nanocrystals supported Pd catalyst	Li, Liang; Liu, Lili; Li, Jinxin	Journal of Physics and Chemistry of Solids	2019,133: 61-66	2.752	第 1

14 1	Enhanced, shortened and tunable emission in Eu ³⁺ doped borosilicate glasses by Cu ⁺ co-doping	Wang, Yang; Di Sarcina, Ilaria; Cemmi, Alessia; Baccaro, Stefania; Chen, Guorong	Optical Materials	2019,87:80-83	2.687	第 1
14 2	High OER performance Ni(OH) ₂ with hierarchical structure	Shao, Danmin; Li, Pengwei; Wang, Deqiang; Zhao, Chongjun; Zhao, Chunhua	Journal of Solid State Electrochemistry	2019,23(7): 2051-2060	2.531	第 1
14 3	Endocytosis behaviours of nanoparticles with helically decorated ligands	Guan, Zhou; Wang, Liquan; Lin, Jiaping; Xue, Jiaxiao	Polymer International	2019,68(11): 1863-1873	2.433	第 1
14 4	Facile Synthesis and in situ TEM Observation of Nanoporous Pd for Enhanced Catalytic Applications	Liu, Haiyang; Ke, Kai; Li, Chang; Chen, Xin; Wu, Yulian	Chinese Journal of Chemistry	2019,37(6): 565-569	2.376	第 1
14 5	Preparation and properties of polyisobutene/organic montmorillonite hot melt pressure-sensitive adhesive (HMPSA)	Peng, Xing; Wang, Yu; Chen, Hui; Ying, Jie; Wang, Jikui	Journal of Adhesion	2019,95(13-14):1134-1145	2.366	第 1
14 6	Controlled synthesis of alkalized Ti ₃ C ₂ MXene-supported -FeOOH nanoparticles as anodes for lithium-ion batteries	Xue, Chenting; He, Ying; Liu, Yijun; Saha, Petr; Cheng, Qilin	Ionics	2019,25(7): 3069-3077	2.289	第 1
14 7	Simultaneous enhancements of mechanical and thermal properties of monomer cast nylon via polydimethylsiloxane-modified kaolin	Ding, Weijie; Wang, Yuming; Ying, Jie; Li, Yue; Liu, Honglin; Yuan, Xiang; Yu, Hang; Wang, Jikui	Polymer Composites		2.268	第 1

14 8	The influence of montmorillonite on the processing and properties of anionic polyamide 6/montmorillonite composites via vacuum assisted resin infusion	Wang, Wenqi; Ying, Jie; Wang, Jikui; Wang, Qiang	Polymer Composites	2019,40(4): 1481-1491	2.268	第 1
14 9	Influence of Glass Phase in Silver Paste on Metallized Contact Resistance between Rear Silver and Aluminum Electrodes of Crystalline Silicon PERC Cells	Zhang, Jiefeng; Li, Hui; Tong, Hua; Xiong, Shenghu; Yang, Yunxia; Yuan, Xiao; Li, Hongbo; Liu, Cui	Applied Sciences-Basel	2019,9(5)	2.217	第 1
15 0	Permanent antimicrobial silicone rubber based on bonding guanidine polymers	Guan, Yong; Zhang, Huanyao; Zheng, Anna; Wei, Dafu; Hu, Jian; Wang, Zhenzhen; Xu, Xiang	Polymers For Advanced Technologies	2019,30(7): 1555-1563	2.162	第 1
15 1	Morphologically Controlled Synthesis of Cs ₂ SnC ₁₆ Perovskite Crystals and Their Photoluminescence Activity	Zhang, Hongdan; Zhu, Ludan; Cheng, Jun; Chen, Long; Liu, Chuanqi; Yuan, Shuanglong	Crystals	2019,9(5)	2.061	第 1
15 2	Improved tensile strength of acrylonitrile-butadiene rubber/anhydrous copper sulfate composites prepared by coordination cross-linking	Shao, Chengli; Mao, Yapeng; Shang, Peng; Li, Qiuying; Wu, Chifei	Polymer Bulletin	2019,76(3): 1435-1452	1.858	第 1
15 3	Dual stimuli-responsive polypeptide prepared by thiol-ene click reaction of poly(L-cysteine) and N, N-dimethylaminoethyl acrylate	Xiao, Yan; Tang, Chenna; Chen, Yang; Lang, Meidong	Biopolymers	2019,110(9)	1.845	第 1
15 4	Aerosol Spray Pyrolysis Synthesis of Porous Anatase TiO ₂ Microspheres with Tailored Photocatalytic Activity	Li, Wen-Ge; Hu, Yan-Jie; Jiang, Hao; Li, Chun-Zhong	Acta Metallurgica Sinica-English Letters	2019,32(3):286-296	1.828	第 1

15 5	Polyurethane Prepolymer Modified Cassava Starch Based Poly(butylene adipate-co-terephthalate) Composites with Excellent Compatibility and High Toughness	Meng, Wei; Chen, Fangping; Zhang, Chenhao; Cui, Ruihua; Wang, Peilei; Liu, Changsheng	Starch-Starke	2019,71 (43718)	1.795	第 1
15 6	A Facile Surface Treatment to Improve the Abrasion Resistance of Photosensitive Film for Screen Printing	Li, Junlan; Zhao, Chunyan; Shen, Junhao; Wang, Hong; Pei, Gaimei; Xu, Shiai	Tribology Transactions	2019,62(1): 127-134	1.759	第 1
15 7	Simultaneous enhancements of mechanical and thermal properties of monomer cast nylon via kaolin modified by poly (ethylene glycol diglycidyl ether)	Wang Wenqi; Jie, Ying; Ma Xiangyan; Wang Jikui; Guan, Xinyuan; Wei, Ting; Qian, Ziming	Polymer-Plastics Technology and Materials	2019,58(7): 742-752	1.705	第 1
15 8	One-Pot Trapping Luminescent Rhodamine 110 into the Cage of MOF-801 for Nitrite Detection in Aqueous Solution	Huang, Chengjie; Ye, Yunxi; Zhao, Liwei; Li, Yongsheng; Gu, Jinlou	Journal of Inorganic and Organometallic Polymers and Materials	2019,29(5): 1476-1484	1.637	第 1
15 9	The fabrication of 3D porous PDMS sponge for Oil and organic solvent absorption	Guo, Jiahong; Wang, Jikui; Wang, Wenqi; Bai, Zhiwei; Zhang, Zhibing; Zhang, Yajuan; Zhang, Shiping	Environmental Progress & Sustainable Energy	2019,38: S86-S92	1.596	第 1
16 0	Fabrication of high-performance polytetrafluoroethylene microporous membranes filled with nano-alumina	Sun, Lewen; Zhu, Jufang; Che, Yanchao; Li, Qiuying; Guo, Weihong; Wu, Chifei	High Performance Polymers	2019,31(7): 843-851	1.584	第 1
16 1	Influence of EVA-g-MAH compatibilizer on adhesion strength, mechanical properties and thermal behavior of EVA/SBS hot melt	Wang, Yu; Li, Shijuan; Yao, Weiyu; Chen, Hui; Guo, Weihong	Materials Research Express	2019,6(5)	1.449	第 1

	adhesive blends					
16 2	Toughened and water-resistant starch/TiO ₂ bio-nanocomposites as an environment-friendly food packaging material	Xiong, Jiaoyang; Sheng, Caihong; Wang, Quan; Guo, Weihong	Materials Research Express	2019,6(5)	1.449	第 1
16 3	A novel approach to prepare high antibacterial polylactic acid surface encapsulated nano-silver through stereocomplexation	Dai, Guangyao; Tang, Songchao; Wang, Tinglan	Materials Research Express	2019,6(5)	1.449	第 1
16 4	Effect of fly ash on the structure and properties of polyolefin elastomer/fly ash/polypropylene composites	Yao, Weiyu; Zhao, Yanjun; Wu, Kai; Han, Lei; Cai, Haifeng; Guo, Weihong	Materials Research Express	2019,6(2)	1.449	第 1
16 5	Preparation of methyl methacrylate-maleic anhydride copolymers via reactive extrusion by regulating the trommsdorff effect	Zhan, Pengfei; Chen, Jianding; Zheng, Anna; Huang, Tianhua; Shi, Han; Wei, Dafu; Xu, Xiang; Guan, Yong	Materials Research Express	2019,6(2)	1.449	第 1
16 6	Study on the Construction of 3D-BN Network in Epoxy Resin by Introducing Foam Skeleton	Yan, Rong; Zhang, Ling; Li, Chun- zhong	Acta Polymerica Sinica	2019,50(11): 1202-1210	1.405	第 1
16 7	Significant reinforcement of polypropylene/wood flour composites by high extent of interfacial interaction	Jiang, Xianyou; Wang, Jikui; Wu, Genhua; Peng, Xing; Ma, Xiangyan	Journal of Thermoplastic Composite Materials	2019,32(5): 577-592	1.343	第 1
16 8	Preparation and adhesive properties of colored Ti/Zr-based conversion coating on aluminum foil for lithium battery packaging	Gu, Yingying; Wang, Songnan; Xu, Shiai	Surface and Interface Analysis	2019,51(2): 190-198	1.319	第 1

16 9	Examination of functional zwitterionic polymer hydrogels based on polypyridinium salt by a convenient cross-linker	Sun, Yunlong; Chen, Changlin; Xu, Heng; Lei, Kun; Zhao, Li; Lang, Meidong	Journal of Macromolecular Science Part A-Pure and Applied Chemistry	2019,56(4): 287-298	1.163	第 1
17 0	Observation of the Gold Nanorods/Graphene Composite Formation and Motion with in situ Liquid Cell Transmission Electron Microscopy	Fang Jiali; Chen Xin; Li Chang; Wu Yulian	Acta Physico-Chimica Sinica	2019,35(8): 808-815	1.05	第 1
17 1	Anode modified by BiFeO ₃ and application in resourceful treatment of salty organic wastewater	Zhang, Xiang; Song, Xiaoli; Lu, Zeqiang; Chen, Aiping; Li, Chunzhong	Micro & Nano Letters	2019,14(6): 683-687	0.975	第 1
17 2	Synthesis of Methylene-bridged Binuclear Metallocene Complexes and Application for Propylene Syndiospecific Polymerization	Shao Lu; Liang Chunchao; Xu Sheng; Mi Puke; Wang Tingan; Yi Jianjun	Chemical Journal of Chinese Universities-Chinese	2019,40(6): 1324-1332	0.676	第 1
17 3	MOF-derived porous Co ₃ O ₄ -NC nanoflake arrays on carbon fiber cloth as stable hosts for dendrite-free Li metal anodes	Jiang, Guangyu; Jiang, Nan; Zheng, Nan; Chen, Xiao; Mao, Jiayi; Ding, Guoyu; Li, Yahui; Sun, Fugen; Li, Yongsheng	Energy Storage Materials	2019,23: 181-189		第 1
17 4	Electrocatalytic Production of H ₂ O ₂ by Selective Oxygen Reduction Using Earth-Abundant Cobalt Pyrite (CoS ₂)	Sheng, Hongyuan; Hermes, Eric D.; Yang, Xiaohua; Ying, Diwen; Janes, Aurora N.; Li, Wenjie; Schmidt, J. R.; Jin, Song	Acs Catalysis	2019,9(9): 8433-8442	12.221	第 2

17 5	Hyperbranched Conjugated Polymer Dots: The Enhanced Photocatalytic Activity for Visible Light-Driven Hydrogen Production	Zhao, Peng; Wang, Lijie; Wu, Yusen; Yang, Tao; Ding, Yun; Yang, Hua Gui; Hu, Aiguo	Macromolecules	2019,52(11): 4376-4384	5.997	第 2
17 6	Pro- and Anti-oxidant Properties of Redox-Active Catechol-Chitosan Films	Kim, Eunkyong; Kang, Mijeong; Liu, Huan; Cao, Chunhua; Liu, Changsheng; Bentley, William E.; Qu, Xue; Payne, Gregory F.	Frontiers In Chemistry	2019,7	4.714	第 2
17 7	The influence of inclusion factors on ultra-high cyclic deformation of a dual phase steel	Zhao, P.; Wang, X. R.; Yan, E.; Misra, R. D. K.; Du, C. M.; Du, F.	Materials Science and Engineering A-Structural Materials Properties Microstructure and Processing	2019,754: 275-281	4.081	第 2
17 8	Hunting ionic liquids with large electrochemical potential windows	Lian, Cheng; Liu, Honglai; Li, Chunzhong; Wu, Jianzhong	Aiche Journal	2019,65(2): 804-810	3.463	第 2
17 9	Cancer-targeted and glutathione-responsive micellar carriers for controlled delivery of cabazitaxel	Han, Xiaoxiong; Gong, Feirong; Chi, Lili; Feng, Caochuan; Sun, Jing; Chen, Yiyang; Liu, Jianwen; Shen, Yaling	Nanotechnology	2019,30(5)	3.399	第 2
18 0	Synthesis of chloromethyl benzimidazole grafted polybenzimidazole with enhanced UV absorption and its effect as a stabilizer on the ultraviolet-aging behaviors of poly(vinyl chloride) films	Xu, Shiai; Zhang, Xiaodan; Yao, Xu; Cai, Yangben	Journal of Applied Polymer Science	2019,136(24)	2.188	第 2

18 1	Preparation and characterization of glutathione-responsive polymeric micelles functionalized with core cross-linked disulfide linkage for curcumin delivery	Chen, Dan; Gong, Feirong; Han, Xiaoxiong; Chi, Lili; Sun, Jing; Shen, Yaling	Journal of Polymer Research	2019,26(5)	1.53	第 2
18 2	Non-Negligible Roles of Pore Size Distribution on Electroosmotic Flow in Nanoporous Materials	Lian, Cheng; Su, Haiping; Li, Chunzhong; Liu, Honglai; Wu, Jianzhong	Acs Nano	2019,13(7): 8185-8192	13.903	第 3
18 3	Nickel nitride-black phosphorus heterostructure nanosheets for boosting the electrocatalytic activity towards the oxygen evolution reaction	Wu, Tong; Zhang, Shaoning; Bu, Kejun; Zhao, Wei; Bi, Qingyuan; Lin, Tianquan; Huang, Jian; Li, Yongsheng; Huang, Fuqiang	Journal of Materials Chemistry A	2019,7(38): 22063-22069	10.733	第 3
18 4	Electrobiofabrication: electrically based fabrication with biologically derived materials	Li, Jinyang; Wu, Si; Kim, Eunkyong; Yuan, Kun; Liu, Huan; Liu, Changsheng; Dong, Hua; Qu, Xue; Shi, Xiaowen; Shen, Jana; Bentley, William E.; Payne, Gregory F.	Biofabrication	2019,11(3)	7.236	第 3
18 5	Humid atmospheric pressure plasma jets exposed micro-defects on CoMoO ₄ nanosheets with enhanced OER performance	Jiang, Haishun; Cui, Zhe; Xu, Chaoting; Li, Wenyao	Chemical Communications	2019,55(64): 9432-9435	6.164	第 3
18 6	Constructing biodegradable nanochitin-contained chitosan hydrogel beads for fast and efficient removal of Cu(II) from aqueous solution	Wu, Jianming; Cheng, Xi; Li, Yulin; Yang, Guisheng	Carbohydrate Polymers	2019,211: 152-160	6.044	第 3

18 7	Coupling Self-Assembly Mechanisms to Fabricate Molecularly and Electrically Responsive Films	Li, Jinyang; Maniar, Drishti; Qu, Xue; Liu, Huan; Tsao, Chen-Yu; Kim, Eunkyong; Bentley, William E.; Liu, Changsheng; Payne, Gregory F.	Biomacromolecules	2019,20(2): 969-978	5.667	第 3
18 8	In-situ growth of hollow NiCo layered double hydroxide on carbon substrate for flexible supercapacitor	Xuan, Xiaoyang; Qian, Min; Han, Lu; Wan, Lijia; Li, Yuquan; Lu, Ting; Pan, Likun; Niu, Yueping; Gong, Shangqing	Electrochimica Acta	2019,321	5.383	第 3
18 9	Facial fabrication of yolk-shell Pd-Ni-P alloy with mesoporous structure as an advanced catalyst for methanol electro-oxidation	Kang, Zinan; Zhao, Ming; Wu, Yanfang; Xia, Tian; Cao, Jing-Pei; Cai, Weiwei; Chen, Luyang	Applied Surface Science	2019,484: 441-445	5.155	第 3
19 0	Hydrogels that couple nitrogen-enriched graphene with Ni(OH) ₂ nanosheets for high-performance asymmetric supercapacitors	Li, Jing; Hao, Huilian; Wang, Jianjun; Li, Wenyao; Shen, Wenzhong	Journal of Alloys and Compounds	2019,782:516-524	4.175	第 3
19 1	The Impact of Nylon-3 Copolymer Composition on the Efficiency of siRNA Delivery to Glioblastoma Cells	Hartl, Natascha; Adams, Friederike; Costabile, Gabriella; Isert, Lorenz; Doeblinger, Markus; Xiao, Ximian; Liu, Runhui; Merkel, Olivia M.	Nanomaterials	2019,9(7)	4.034	第 3

19 2	Tuning Localized Surface Plasmon Resonance of Nanoporous Gold with a Silica Shell for Surface Enhanced Raman Scattering	Li, Wei; Ma, Chao; Zhang, Ling; Chen, Bin; Chen, Luyang; Zeng, Heping	Nanomaterials	2019,9(2)	4.034	第 3
19 3	Multistage Polymerization Design for g-C ₃ N ₄ Nanosheets with Enhanced Photocatalytic Activity by Modifying the Polymerization Process of Melamine	Zhang, Chao; Liu, Jiandong; Huang, Xiayun; Chen, Daoyong; Xu, Shiai	Acs Omega	2019,4(17): 17148-17159	2.584	第 3
19 4	Optical Sensor Assistant with Voltage Enrichment for Ultrasensitive Detection of Mercury Ions	Zheng, Xuejian; Zhang, Ling; Huang, Luyi; Li, Wei; Ma, Chao; Song, Ruirui; Chen, Luyang; Zeng, Heping	Acs Omega	2019,4(4): 6175-6179	2.584	第 3
19 5	Increasing the removal of protein-bound uremic toxins by liposome-supported hemodialysis	Shi, Yuanyuan; Wang, Yifeng; Ma, Shuai; Liu, Tingyan; Tian, Huajun; Zhu, Qiuyu; Wang, Wenji; Li, Yulin; Ding, Feng	Artificial Organs	2019,43(5): 490-503	2.379	第 3
19 6	SEBS-based thermoplastic elastomers containing aluminum hypophosphite and melamine cyanurate: Thermal degradation, flame retardancy, and mechanical properties	Cheng, Xi; Wu, Jianming; Li, Yulin; Yao, Chenguang; Yang, Guisheng	Journal of Fire Sciences	2019,37(2): 137-154	1.155	第 3
19 7	Mechanical Strength, Surface Properties, Cytocompatibility and Antibacterial Activity of Nano Zinc-Magnesium Silicate/Polyetheretherketone Biocomposites	Tang, Xiaoming; Dai, Jian; Sun, Hailang; Saha, Nabanita; Saha, Petr; Wang, Deqiang; Cheng, Qinlin; Wei, Jie	Journal of Nanoscience and Nanotechnology	2019,19(12): 7615-7623	1.093	第 3

19 8	An amorphous nanoporous PdCuNi-S hybrid electrocatalyst for highly efficient hydrogen production	Yang, Xinxin; Xu, Wence; Cao, Shuo; Zhu, Shengli; Liang, Yanqin; Cui, Zhenduo; Yang, Xianjin; Li, Zhaoyang; Wu, Shuilin; Inoue, Akihisa; Chen, Luyang	Applied Catalysis B-Environmental	2019,246: 156-165	14.229	第 4
19 9	Light-triggered pH/thermal multisensitive polyelectrolyte/ITO glass hybrid electrode	Chen, Feng; Zhu, Yazhi; Li, Wei; Yang, Jintao; Fan, Ping; Fei, Zhengdong; Zhong, Mingqiang; Chang, Lingqian; Kuang, Tairong	Applied Surface Science	2019,464: 273-279	5.155	第 4
20 0	Highly Effective Bone Fusion Induced by the Interbody Cage Made of Calcium Silicate/Polyetheretherketone in a Goat Model	Chu, Linyang; Li, Rui; Liao, Zhenhua; Yang, Ying; Dai, Jianjun; Zhang, Kai; Zhang, Feng; Xie, Youzhuan; Wei, Jie; Zhao, Jie; Yu, Zhifeng; Tang, Tingting	Acs Biomaterials Science & Engineering	2019,5(5): 2409-2416	4.511	第 4
20 1	Organic Molecule-Driven Polymeric Actuators	Lin, Huijuan; Zhang, Suyun; Xiao, Yan; Zhang, Chenjun; Zhu, Jixin; Dunlop, John W. C.; Yuan, Jiayin	Macromolecular Rapid Communications	2019,40(7)	4.078	第 4

20 2	Highly transparent, organic-inorganic hybrid UV-curable coating materials with amphiphobic characteristics	Jeong, Keuk-Min; Park, Sung Soo; Nagappan, Saravanan; Min, Guoquan; Zhang, Yongxu; Qu, Minming; Zhang, Yan; Ha, Chang-Sik	Progress In Organic Coatings	2019,134: 323-332	3.42	第 4
20 3	Enhanced Activity of C ₂ N-Supported Single Co Atom Catalyst by Single Atom Promoter	Zhong, Wenhui; Zhang, Guozhen; Zhang, Yachao; Jia, Chuanyi; Yang, Tongtong; Ji, Shentong; Prezhdo, Oleg V.; Yuan, Jianyong; Luo, Yi; Jiang, Jun	Journal of Physical Chemistry Letters	2019,10(22): 7009-7014	7.329	第 5
20 4	Biodegradable Nanoparticles of Polyacrylic Acid-Stabilized Amorphous CaCO ₃ for Tunable pH-Responsive Drug Delivery and Enhanced Tumor Inhibition	Xu, Chengyuan; Yan, Yunfeng; Tan, Jinchao; Yang, Dahai; Jia, Xianjing; Wang, Lu; Xu, Yisheng; Cao, Song; Sun, Shengtong	Advanced Functional Materials	2019,29(24)	15.621	第 6
20 5	Oxidation-Sensitive Polymersomes Based on Amphiphilic Diblock Copolypeptoids	Deng, Yangwei; Chen, Hui; Tao, Xinfeng; Cao, Fangyi; Trepout, Sylvain; Ling, Jun; Li, Min-Hui	Biomacromolecules	2019,20(9): 3435-3444	5.667	第 6
20 6	Rapid-Heating-Triggered in Situ Solid-State Transformation of Amorphous TiO ₂ Nanotubes into Well-Defined Anatase Nanocrystals	Gao, Zhonghui; Zhao, Ying; Wang, Haifeng; Wang, Yun; Jiang, Lixue; Xu, Yiming; Xu,	Crystal Growth & Design	2019,19(2): 1086-1094	4.153	第 6

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20 7	Design and Fabrication of Highly Photoluminescent Carbon Incorporated Silica from Rice Husk Biomass	Wang, Zhaofeng; Zeng, Songshan; Joshi, Gaurav N.; Smith, Andrew T.; Zeng, Huidan; Wei, Zichao; Yu, Xiaoyuan; Pokhrel, Madhab; Mao, Yuanbing; Wang, Weixing; Sun, Luyi	Industrial & Engineering Chemistry Research	2019,58(11): 4688-4694	3.375	第 6