

2010-2014 年期间中心发表的科研论文

近 5 年,“中心”成员在国内外各类期刊杂志上发表科研论文达 1100 余篇,
其中 SCI 收录 223 篇、EI 收录 242 篇、顶级 5 篇、特级 7 篇、一级 231 篇。

代表性科研论文如下:

序号	文 章 题 目	作者姓名	发表期刊、年份	收录情况
1	Preparation and antibacterial property of silver-containing mesoporous 58S bioactive glass	Hailin Zhu, Chao Hu, Fangfang Zhang, Xinxing Feng, Jiuming Li, Tao Liu, Jianyong Chen, Jianchun Zhang.	Materials Science and Engineering: C 2014 年	SCI
2	Effect of carbonization treatment on the morphology and microstructure of mesoporous bioactive glass/nanocrystalline hydroxyapatite nanocomposite	Tao Liu, Xinbo Ding, Xianyan Yang, Zhongru Gou, Jianyong Chen, Xinxing Feng	Journal of Non-Crystalline Solids, 2014 年	SCI
3	极性分子对甲基丙烯酸丁酯-丙烯酸酰胺共聚合的影响	饶小波,陈建勇,张华鹏,唐红艳	中国科学 E 辑: 技术科学 2013 年	SCI
4	Carbon sphere influence on textural properties and bioactivity of mesoporous bioactive glass/hydroxyapatite nanocomposite	刘涛,赖冬志,冯新星,朱海霖,陈建勇	Ceramics International 2013 年	SCI
5	Synthesis and characterization of a novel mesoporous bioactive glass/hydroxyapatite nanocomposite	刘涛,赖冬志,冯新星,朱海霖,陈建勇	Materials Letters 2014 年	SCI
6	介孔生物活性玻璃/脱钙骨复合支架的制备及性能研究	薛士壮,朱海霖,陈建勇,冯新星,常江	Journal Of Inorganic Materials, 2011 年	SCI
7	Study on the Properties of Nano-TiO ₂ particles modified silk fibroin porous films	冯新星,周岚,朱海霖,陈建勇	Journal Of Applied Polymer Science, 2010 年	SCI
8	The Improvement on the Protective Property of PTFE Membrane By PU Coating and Co-stretching	郭玉海,高静昕,陈建勇,张华鹏	Journal of Polymer Engineering, 2010 年	SCI

9	Study on the Properties of Nano-TiO ₂ Particles Modified silk fibron porous films	冯新星,周岚,朱海霖,陈建勇	Journal of applied polymer science, 2010 年	SCI
10	Effect of High-Temperature Degumming on the Constituents and Structure of Cotton Stalk Bark Fibers	周岚,邵建中,冯新星,陈建勇	Journal of Applied Polymer Science, 2012 年	SCI
11	Fabrication and characterization of silk fibroin/bioactive glass composite films	朱海霖,刘娜,冯新星,陈建勇	Materials Science and Engineering C, 2012 年	SCI
12	滑石粉化学镀银条件的探讨	裴付宇,陈建勇,张华鹏	稀有金属材料与工程, 2011 年	SCI
13	Novel green activation processes and mechanism of peroxymonosulfate based on supported cobalt phthalocyanine catalyst	Huang Zhenfu, Bao Haiwei, Yao Yuyuan, Lu Wangyang, Chen Wenxing	Applied Catalysis B: Environmental 2014 年	SCI
14	Anchored iron-ligands as an efficient Fenton-like catalyst for removal of dye pollutants at neutral pH, under review	Yuyuan Yao, Yajun Mao, Binbin Zheng, Zhenfu Huang, Wangyang Lu, Wenxing Chen	Industrial & Engineering Chemistry Research, 2014 年	SCI
15	Efficient removal of dyes using heterogeneous Fenton catalysts based on activated carbon fibers with enhanced activity	Yao Yuyuan, Wang Lie, Sun Lijie, Zhu Shun, Huang Zhenfu, Mao Yajun, Lu Wangyang, Chen Wenxing	Chemical Engineering Science, 2013 年	SCI
16	碳纳米纤维增强钴酞菁催化氧化染料的性能研究	李楠,卢琴,高美萍,吕汪洋,姚玉元,陈文兴	中国科学 B 辑: 化学 2013 年	SCI
17	Interfacial photodecomposition of RhB by hydrophobic surface modified core (TiO ₂)/shell (SiO ₂) nanoparticles	王驹,苏琪映,徐友峰,申琤,杨荣,汪林飞,刘波,江国华,陈文兴,王晟	Materials Letters 2013 年	SCI
18	Wet photochemical filling: a new low-diameter tube-filling method based on differentiated nanotube surfaces	王晟,王驹,高艳龙,丁源维,江国华,陈文兴	Journal Of Materials Chemistry 2011 年	SCI
19	The coupling of metallophthalocyanine with carbon nanotubes to produce a nanomaterial-based catalyst for	吕汪洋,李楠,鲍双玉,陈文兴,姚玉元	Carbon, 2011 年	SCI

	reaction-controlled interfacial catalysis			
20	Nonsolvent Effects on Morphology of Cellulose Acetate Films Prepared by Dry-Cast Process	王彩飞,安毅,李琴红,万顺疆,陈文兴,刘向东	Journal Of Macromolecular Science-Physics, 2012 年	SCI
21	Visible light-driven photodecomposition system: preparation and application of highly dispersed Pt-loaded WO(3) microparticles	王晟,王駒,刘阳,高艳龙,丁源维,许学飞,张晓龙,陈文兴	Micro & Nano Letters, 2011 年	SCI
22	Superhydrophobic and high adhesive performance of functionalized graphene oxide films	Yang Zhou, Fengming Xu,江国华,Xiaohong Wang, Rijong Wang, Ruanbing Hu,Xiaoguang Xi, 王晟,王駒,陈文兴	Powder Technology, 2012 年	SCI
23	Rheological properties and morphological evolutions of polypropylene/ethylene-butene copolymer blends	张先明,李浩,陈文兴,冯连芳	Polymer Engineering And Science, 2012 年	SCI
24	Efficient visible-light-induced photocatalytic activity over the novel Ti-doped BiOBr Microspheres	Rijing Wang,江国华,Xiaohong Wang,Ruanbing Hu,Xiaoguang Xi,Yang Zhou,Shiyong Bao,Tian Tong,王晟,王駒,陈文兴	Powder Technology, 2012 年	SCI
25	Hollow TiO ₂ Nanocages with Rubik-like Structure for High-Performance Photocatalysts	江国华,Xiaohong Wang,Yang Zhou,Rijing Wang,Ruanbing Hu,Xiaoguang Xi, 陈文兴	Materials LetterS, 2012 年	SCI
26	Novel Highly Active Visible-Light-Induced Photocatalysts Based on BiOBr with Ti doping and Ag decorating	江国华, Rijong Wang,Xiaohong Wang,Ruanbing Hu,Xiaoguang Xi,Yang Zhou,王晟,王駒,陈文兴	ACS Applied Materials & Interfaces, 2012 年	SCI
27	Photocatalytic Activity of Heterostructures Based on TiO ₂ and Halloysite Nanotubes	Rijing Wang,江国华,Yuanwei Ding,Yin Wang,	ACS Applied Materials & Interfaces, 2011 年	SCI

		Xinke Sun,陈文兴		
28	Thermosensitive copolymer with cobalt phthalocyanine and catalytic behavior based on adjustable LCST	WangyangLu,陈文兴,NanLi,Minhong Xu,YuyuanYao	Reactive & Functional Polymers, 2010 年	SCI
29	Platinum-nanoparticle-loaded bismuth oxide: an efficient plasmonic photocatalyst active under visible light	RenhongLi,陈文兴,KobayashiHisayoshi,ChunxiaMa	Green Chemistry, 2010 年	SCI
30	Synthesis and photoactivity of pH-responsive amphiphilic block polymer photosensitizer bonded zinc phthalocyanine	吕汪洋,SUN ChunMei,LU Qin,LI Nan,WU DeZhou,姚玉元,陈文兴	中国科学 B 辑: 化学 (英文版), 2012 年	SCI
31	pH 响应两亲嵌段锌酞菁聚合物光敏剂的制备及光活性	吕汪洋,孙春梅,卢琴,李楠,吴德州,姚玉元,陈文兴	中国科学 B 辑: 化学, 2012 年	SCI
32	阳离子染料可染聚对苯二甲酸丙二酯共聚酯的合成及结晶性能的研究	姚玉元,江长明,吕汪洋,刘恒山,王秀华,陈文兴	高分子学报, 2011 年	SCI
33	WO ₃ /TiO ₂ 纳米棒复合材料的制备及其光催化活性	刘阳,王晟,王駒,许章炼,陈文兴,蒋杰,韦坚红	催化学报, 2010 年	SCI
34	Photocatalytic oxidation of 4-chlorophenol using thermosensitive zinc phthalocyanine copolymer under visible light irradiation	陈文兴, WangYangLu, XiaoYuanShen, YuYuanYao	中国科学: B 辑英文版, 2010 年	SCI
35	Adsorptive Selectivity of DNA/Polyvinyl Alcohol Interpenetrating Polymer Networks	刘向东,Tetsuro Kubo,陈文兴,Jonganurakkun Benjamas,Tomomi Yonemichi,Norio Nishi	Separation Science And Technology, 2011 年	SCI
36	Facile fabrication of AgNPs/(PVA/PEI) nanofibers: high electrochemical efficiency and durability for biosensors	朱罕,杜明亮,张明,王盼,包世勇,汪丽娜,傅雅琴,姚菊明	Biosensors & Bioelectronics 2013 年	SCI
37	Photocatalytic Property of Hierarchical Structure Based on Fe-doped BiOBr Hollow Microspheres	江国华,Xiaohong Wang,Zhen Wei,Xia Li,Xiaoguang Xi,Ruanbing Hu,Bolin Tang,Rijing Wang,	Journal of Materials Chemistry 2013 年	SCI

		王晟,王駒,陈文兴		
38	Dye-sensitized solar cells based on anatase TiO ₂ /multi-walled carbon nanotubes	杜平凡,宋立新,熊杰,李妮,王利君,席珍强,王耐艳,高林辉,祝洪良	Electrochimica ACTA 2013 年	SCI
39	Development and characterization of injectable chitosan-based hydrogels containing dexamethasone/rhBMP-2 loaded hydroxyapatite nanoparticles	高畅,蔡玉荣,孔祥东,韩国香,姚菊明	MAterials Letters 2013 年	SCI
40	Synthesis and characterization of a novel mesoporous bioactive glass/hydroxyapatite nanocomposite	刘涛,赖冬志,冯新星,朱海霖,陈建勇	Materials Letters 2013 年	SCI
41	Performance research on silk/ high count cotton mixed fabric	祝成炎,江雅芬,骆倩倩,张红霞,田伟,焦国彦	Advanced Materials Research, 2011 年	EI
42	Design of 3D integrated structure with vertical honeycombed-core	祝成炎,孙佳英,李艳清,田伟,骆倩倩	Advancd Materials Research, 2011 年	EI
43	Extraction of pectins with different degrees of esterification from mulberry branch bark	刘琳,曹静,黄建,蔡玉荣,姚菊明	Bioresource Technol, 2010 年	SCI
44	A New Strategy for the Surface-free-energy-distribution Induced Selective Growth and Controlled Formation of Cu ₂ O-Au Hierarchical Heterostructures with a Series of Morphological Evolutions	朱罕,杜明亮,于东亮,王寅,汪丽娜,邹美玲,张明,傅雅琴	Journal Of Materials Chemistry, 2012 年	SCI
45	Facile and green synthesis of well-dispersed Au nanoparticles in PAN nanofibers by tea polyphenols	朱罕,杜明亮,邹美玲,徐从升,李妮,傅雅琴	Journal Of Materials Chemistry, 2012 年	SCI
46	Effects of Magnesium Borate Whiskers on the Anti-wear and Mechanical Performance of Natural Rubber	徐从升,杜明亮,朱罕,傅雅琴	Tribology Transactions, 2012 年	SCI
47	Organic-inorganic hybrid network constructed in polypropylene matrix and its reinforcing effects on polypropylene composites	朱罕,杜明亮,徐从升,张先明,傅雅琴	Journal Of Reinforced Plastics And Composites, 2012 年	SCI

48	Application research on infrared drying in silk re-reeling process	王瑞,江文斌,李闪,杨洪斌,董余兵,傅雅琴	Textile Research Journal, 2012 年	SCI
49	Synthesis of Transparent Densely Crosslinked Polysiloxane with High Refractive Index	王瑾,杜明亮,徐从升,朱罕,傅雅琴	Journal Of Macromolecular Science-PhysicS, 2012 年	SCI
50	Investigation on Structures and Properties of Shape Memory Polyurethane/Silica Nanocomposites	徐龙彬,傅雅琴,杜明亮	Chinese Journal Of Chemistry, 2011 年	SCI
51	Synthesis of Silver Nanoparticles in Electrospun Polyacrylonitrile Nanofibers Using Tea Polyphenols as the Reductant	邹美玲,杜明亮,朱罕,徐从升,李妮,傅雅琴	Polymer Engineering And Science, 2012 年	SCI
52	Green Synthesis of Halloysite Nanotubes Supported Ag Nanoparticles for Photocatalytic Decomposition of Methylene Blue	邹美玲,杜明亮,朱罕,徐从升,傅雅琴	Journal Of Physics D-Applied Physics, 2012 年	SCI
53	Preparation of polybenzimidazole/functionalized carbon nanotube nanocomposite films for use as protective coatings	张利,倪庆清,Aikihiko Shiga,夏木俊明,傅雅琴	Polymer Engineering And Science, 2011 年	SCI
54	Preparation and performance of photocatalytic TiO ₂ immobilized on palladium-doped carbon fibers	朱曜峰,傅雅琴,倪庆清	Applied Surface Science, 2011 年	SCI
55	Green synthesis of Au nanoparticles immobilized on halloysite nanotubes for surface-enhanced Raman scattering substrates	朱罕,杜明亮,邹美玲,徐从升,傅雅琴	Dalton Transactions, 2012 年	SCI
56	Selective Growth of Au Nanograins on Specific Positions (tips, edges and facets) of Cu ₂ O Octahedrons to Form Cu ₂ O–Au Hierarchical Heterostructures	朱罕,杜明亮,于东亮,王寅,邹美玲,徐从升,傅雅琴	Dalton Transactions, 2012 年	SCI
57	芳纶纤维/SMPU-SiO ₂ 复合材料的界面性能研究	徐龙彬,傅雅琴,倪庆清	高分子学报, 2011 年	SCI
58	碳纤维负载 Pd-TiO ₂ 光催化薄膜的制备及表征	傅雅琴,金旭东,倪庆清	稀有金属材料与工程, 2010 年	SCI
59	气相生长碳纤维/形状记忆聚氨酯复合薄膜的力学及形状记忆性能研究	韩春韶,傅雅琴,倪庆清	高分子学报, 2010 年	SCI
60	Preparation and luminescence properties of terbium-doped lanthanum oxide nanofibers by electrospinning	宋立新,杜平凡,熊杰,樊晓娜,焦玉雪	Journal Of Luminescence 2012 年	SCI

61	Biomimicking the structure of silk fibers via cellulose nanocrystal as b-sheet crystallite	Lin Liu, Xiao-Gang Yang, Hou-Yong Yu, Chao Ma, Ju-Ming Yao*	RSC Adv. 2014 年	SCI
62	Synthesis and characterisation of CeO ₂ nanoparticles and rods	张朝霞,汪丽娜,邵敏,郭伊丽,陈光良,邵建中,张国庆	Micro & Nano Letters 2012 年	SCI
63	Preparation and properties of an eco-friendly superabsorbent based on flax yarn waste for sanitary napkin applications.	Hong-Yi Liu, Yong Zhang, Ju-Ming Yao*	Fiber. Polym. 2014 年	SCI
64	An eco-friendly slow-release urea fertilizer based on waste mulberry branches for potential agriculture and horticulture applications.	Yong Zhang, Xi-Ying Liang, Xiao-Gang Yang, Hong-Yi Liu, Ju-Ming Yao*	ACS Sustain. Chem. Eng. 2014 年	SCI
65	One-step Synthesis of Natural Silk Sericin-based Microcapsules with Bionic Structures	Zhaogang Liu, Yurong Cai, Yaru Jia, Lin Liu, Xiangdong Kong, Subhas C Kundu, and Juming Yao*	Macromol. Rapid Commun 2014 年	SCI
66	Effect of Wheel Rotating Speed and LiCl Additives on Electrospun Aligned Polyacrylonitrile Nanofiber	李妮,熊杰,薛花	Polymer Engineering And Science 2011 年	SCI
67	Electrospun Polyacrylonitrile nanofiber yarn prepared by funnel-shape collector	李妮,惠全,薛花,熊杰	Materials Letters, 2012 年	SCI
68	Cold pad-batch bleaching of cotton fabrics with a TAED/H ₂ O ₂ activating system	邵建中,黄益,王振华,刘今强	Coloration Technology 2010 年	SCI
69	Effect of High-Temperature Degumming on the Constituents and Structure of Cotton Stalk Bark Fibers	周岚,邵建中,冯新星,陈建勇	Journal of Applied Polymer Science, 2012 年	SCI
70	高分散性 SiO ₂ /PMMA 复合材料的制备与表征: 纳米 SiO ₂ 在 MMA 中的分散	邵建中,袁艳,张睿,吴明华,戚栋明	高分子学报 2011 年	SCI
71	Improving the Resistance of Sulfur Dyes to Oxidation	周文龙,YiqiYang	Ind Eng Chem Res, 2010 年	SCI
72	Effects of Tourmaline Particles on Structure and Properties of Polypropylene Filtration Melt-Blown Nonwoven Electrets	于斌,韩建,贺湘兵,徐国平,丁新波	Journal of Macromolecular Science Part B: Physics 2012 年	SCI

73	TiO2 粒子对 PA6 流变性能和微结构的影响	韩建,张梅飞,张顺花,丁新波,于斌	稀有金属材料与工程 2010 年	SCI
74	An adduct of Cl-substituted benzotriazole and hydroxy benzophenone as a novel UVA/UVB absorber: Theory-guided design, synthesis, and calculations	裴克梅,崔志华,陈维国	Journal Of Molecular Structure 2012 年	SCI
75	Synthesis, spectral and dyeing properties of phenylazopyrazolone-containing acylamide disperse dyes designed for poly(lactic acid)	崔志华,王锡栋,陈维国,胡恩岭,刘凯	Coloration Technology 2012 年	SCI
76	Synthesis, spectroscopic properties and applications of novel N-heterocycle-containing benzotriazoles as UV absorbers	崔志华,王锡栋,郭江潮,陈维国	Chinese Chemical Letters 2012 年	SCI
77	The Thermal Insulation Difference of Clothing Ensembles on the Dry and Perspiration Manikins	周小红, Zheng Chunqin, Qiang Yingming, IngvarHolm é, ChuansiGao and KalevKuklane	Measurement Science & Technology 2010 年	SCI
78	云母/聚丙烯共混物熔体的拉伸流变性能	朱桂新,张顺花,徐鑫灿	复合材料学报 2012 年	E1
79	Silk-RGD 融合蛋白修饰羟基磷灰石/丝素蛋白支架对成骨细胞生长的影响	吕银洁,张艳红,刘琳,朱良均,姚菊明	复合材料学报 2011 年	E1
80	PBS-SF 核-壳结构复合超细纤维膜的制备及性能	王群旺,熊杰,张红萍,李妮,谢军军,刘冠峰	复合材料学报 2011 年	E1
81	聚丁二酸丁二醇酯调控丝素蛋白超细纤维膜形貌和力学性能研究	王群旺,熊杰,张红萍,谢军军,刘冠峰	复合材料学报 2010 年	E1
82	多壁碳纳米管/聚己内酯超细复合纤维的制备及性能	唐圣奎,熊杰,谢军军,张红萍,肖红伟	复合材料学报 2010 年	E1
83	纳米羟基磷灰石/丝素蛋白/聚己内酯复合超细纤维的制备及表征	唐圣奎,熊杰,李妮,谢军军,肖红伟,张红萍	复合材料学报 2010 年	E1
84	L-Cys/EGDE 对脆弱丝织品的加固及机理分析	张敬,彭志勤,胡智文,黄盾,覃崇益,赵丰,周昞	高分子材料科学与工程 2011 年	EI
85	Research on the property of new tricot invisible curtain fabric	陈慰来,郑倩,于斌,高营,朱建效	Journal of Donghua University(English Edition)	EI

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86	接枝 α -环糊精纤维素纤维的制备 及对氨基酸的手性分离	胡智文,王秉,郑海玲,张殿波,黄小芳,杨海亮,陈文兴	高分子材料科学与工程 2010 年	EI
87	3D seamless woven fashion based on new concept and technology	王雪琴,Frankie NG,HU JIN LIAN	Research journal of textile and apparel 2013 年	EI
88	Optimization of Microwave-Assisted Extraction of Tea Saponin and Its Application on Cleaning of Historic Silks	何俊,吴子婴,张硕,周旻,赵丰,彭志勤,胡智文	Journal of Surfactants and Detergents 2013 年	EI
89	Research Progress of Graphene-based Composite Materials	赖冬志,陈文兴,江国华	Current Physical Chemistry 2013 年	EI
90	Grafting of N,N-dimethylacrylamide onto silk fibers via a RAFT agent controlled radical transformation process	杨雷,刘文文,蒋慧,周利展,孙鹏,沈一峰	Fibers and polymers 2013 年	EI
91	剪切粘稠液体的制备及其性能	孙西超,李艳清,詹小芳,刘双双,祝成炎	纺织学报 2014 年	一级
92	天然绿色蚕茧的计算机分色方法	祝成炎,姚佳,骆倩倩,李艳清,张红霞	纺织学报 2014 年	一级
93	聚苯硫醚纤维对其复合滤料结构 及力学性能影响	余鹏程,于斌,韩建,徐国平,丁新波	纺织学报 2013 年	一级
94	填经纱对三维角连锁结构复合材 料准静态侵彻性能的影响	李艳清,祝成炎,田伟,张红霞	纺织学报 2013 年	一级
95	醋酸锌含量对聚丙烯腈/醋酸锌复 合纳米纤维结构和性能的影响	惠全,李妮,王徐伟,陈泽鲁,熊杰	高分子材料科学与工程 2013 年	一级
96	硅溶胶改性碳纤维对碳纤维 / 环 氧树脂复合材料界面性能影响	岑浩,杨洪斌,傅雅琴	复合材料学报 2013 年	一级
97	基于 TRIZ 理论的喷水织机织造织 物设计新途径	金关秀,祝成炎	纺织学报 2012 年	一级
98	基于系统聚类法的多组分混纺织 物风格分析	陈志蕾,吴鲜鲜,张红霞,李艳清,祝成炎,王荣根,方挺进	纺织学报 2012 年	一级
99	纱线线密度对 Dornier 喷气织机纬 纱飞行速度和状态的影响	朱文静,田伟,张慧芳,祝成炎	纺织学报 2012 年	一级
100	Porous composite scaffolds of hydroxyapatite/silk fibroin via two-step method	刘琳,刘金英,孔祥东,蔡玉荣,姚菊明	Polymers For Advanced Technologies 2011 年	SCI