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## 2012年发表的部分论文

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序号	论文题目	期刊	卷	页码	ID
1	Synthesis and Characterization of Magnetic Iron Oxide/Calcium Silicate Mesoporous Nanocomposites as a Promising Vehicle for Drug Delivery	ACS Appl. Mater. Interfaces	4	6968-6973	10.1021/am3021284
2	Monodisperse Fe <sub>3</sub> O <sub>4</sub> and gamma-Fe <sub>2</sub> O <sub>3</sub> Magnetic Mesoporous Microspheres as Anode Materials for Lithium-Ion Batteries	ACS Appl. Mater. Interfaces	4	4752-4757	10.1021/am301123f
3	Enhancement of Visible-Light Photocatalysis by Coupling with Narrow-Band-Gap Semiconductor: A Case Study on Bi <sub>2</sub> S <sub>3</sub> /Bi <sub>2</sub> WO <sub>6</sub>	ACS Appl. Mater. Interfaces	4	593-597	10.1021/am2017199
4	Preparation, mechanical property and cytocompatibility of poly(L-lactic acid)/calcium silicate nanocomposites with controllable distribution of calcium silicate nanowires	Acta Biomater.	8	4139-4150	10.1016/j.actbio.2012.07.009
5	Strontium-containing mesoporous bioactive glass scaffolds with improved osteogenic/cementogenic differentiation of periodontal ligament cells for periodontal tissue engineering	Acta Biomater.	8	3805-3815	10.1016/j.actbio.2012.06.023
6	Dual drug release from electrospun poly(lactic-co-glycolic acid)/mesoporous silica nanoparticles composite mats with distinct release profiles	Acta Biomater.	8	1901-1907	10.1016/j.actbio.2012.01.020
7	Antibacterial activity and increased bone marrow stem cell functions of Zn-incorporated TiO <sub>2</sub> coatings on titanium	Acta Biomater.	8	904-915	10.1016/j.actbio.2011.09.031
8	Perfluorohexane-Encapsulated Mesoporous Silica Nanocapsules as Enhancement Agents for Highly Efficient High Intensity Focused Ultrasound (HIFU)	Adv. Mater.	24	785-+	10.1002/adma.201104033
9	Bi <sub>2</sub> WO <sub>6</sub> /SiO <sub>2</sub> photonic crystal film with high photocatalytic activity under visible light irradiation	Appl. Catal. B-Environ.	125	144-148	10.1016/j.apcatb.2012.05.039
10	Highly efficient photocatalyst Bi <sub>2</sub> MoO <sub>6</sub> induced by blue light-emitting diode	Appl. Catal. B-Environ.	123	89-93	10.1016/j.apcatb.2012.04.016
11	Coaction and competition between the ferroelectric field effect and the strain effect in Pr <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> film/0.67Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.33PbTiO <sub>3</sub> crystal heterostructures	Appl. Phys. Lett.	101		10.1063/1.4761948
12	Atomic-scaled investigation of structure-dependent luminescence in SiAlON:Ce phosphors	Appl. Phys. Lett.	101		10.1063/1.4759110
13	Synthesis and morphological transition of Ni <sup>2+</sup> doped Rh-In <sub>2</sub> O <sub>3</sub> nanocrystals under LiNO <sub>3</sub> molten salts	Appl. Phys. Lett.	101		10.1063/1.4746388
14	Radiopaque fluorescence-transparent TaOx decorated upconversion nanophosphors for in vivo CT/MR/UCL trimodal imaging	Biomaterials	33	7530-7539	10.1016/j.biomaterials.2012.06.028
	Simultaneous nuclear imaging and intranuclear drug				

15	delivery by nuclear-targeted multifunctional upconversion nanoprobe	Biomaterials	33	7282-7290	10.1016/j.biomaterials.2012.06.035
16	The cementogenic differentiation of periodontal ligament cells via the activation of Wnt/beta-catenin signalling pathway by Li <sup>+</sup> ions released from bioactive scaffolds	Biomaterials	33	6370-6379	10.1016/j.biomaterials.2012.05.061
17	Multifunctional Eu <sup>3+</sup> /Gd <sup>3+</sup> dual-doped calcium phosphate vesicle-like nanospheres for sustained drug release and imaging	Biomaterials	33	6447-6455	10.1016/j.biomaterials.2012.05.059
18	A NaYbF <sub>4</sub> : Tm <sup>3+</sup> nanoprobe for CT and NIR-to-NIR fluorescent bimodal imaging	Biomaterials	33	5384-5393	10.1016/j.biomaterials.2012.04.002
19	Mesoporous carbon@silicon-silica nanotheranostics for synchronous delivery of insoluble drugs and luminescence imaging	Biomaterials	33	4392-4402	10.1016/j.biomaterials.2012.02.056
20	Hypoxia-mimicking mesoporous bioactive glass scaffolds with controllable cobalt ion release for bone tissue engineering	Biomaterials	33	2076-2085	10.1016/j.biomaterials.2011.11.042
21	Structure-property relationships in manganese oxide - mesoporous silica nanoparticles used for T <sub>1</sub> -weighted MRI and simultaneous anti-cancer drug delivery	Biomaterials	33	2388-2398	10.1016/j.biomaterials.2011.11.086
22	Multifunctional nanoprobe for upconversion fluorescence, MR and CT trimodal imaging	Biomaterials	33	1079-1089	10.1016/j.biomaterials.2011.10.039
23	Au capped magnetic core/mesoporous silica shell nanoparticles for combined photothermo-/chemotherapy and multimodal imaging	Biomaterials	33	989-998	10.1016/j.biomaterials.2011.10.017
24	The effect of poly(lactic-co-glycolic acid) (PLGA) coating on the mechanical, biodegradable, bioactive properties and drug release of porous calcium silicate scaffolds	Bio-Med. Mater. Eng.	22	289-300	10.3233/bme-2012-0719
25	The production of large bilayer hexagonal graphene domains by a two-step growth process of segregation and surface-catalytic chemical vapor deposition	Carbon	50	2703-2709	10.1016/j.carbon.2012.02.027
26	Design and controllable synthesis of alpha-/gamma-Bi <sub>2</sub> O <sub>3</sub> homojunction with synergetic effect on photocatalytic activity	Chem. Eng. J.	211	161-167	10.1016/j.cej.2012.09.084
27	One-step microwave-solvothermal rapid synthesis of Sb doped PbTe/Ag <sub>2</sub> Te core/shell composite nanocubes	Chem. Eng. J.	193	227-233	10.1016/j.cej.2012.04.056
28	A Uniform Sub-50 nm-Sized Magnetic/Upconversion Fluorescent Bimodal Imaging Agent Capable of Generating Singlet Oxygen by Using a 980 nm Laser	Chem.-Eur. J.	18	7082-7090	10.1002/chem.201103611
29	Growth of Highly Oriented Hydroxyapatite Arrays Tuned by Quercetin	Chem.-Eur. J.	18	5519-5523	10.1002/chem.201200301
30	Controlled Synthesis of Uniform and Monodisperse Upconversion Core/Mesoporous Silica Shell Nanocomposites for Bimodal Imaging	Chem.-Eur. J.	18	2335-2341	10.1002/chem.201102599
31	An In Situ Carbonaceous Mesoporous Template for the Synthesis of Hierarchical ZSM-5 Zeolites by One-Pot Steam-Assisted Crystallization	Chem.-Asian J.	7	2772-2776	10.1002/asia.201200744
32	Calcium Phosphate Nanocarriers Dual-Loaded with Bovine Serum Albumin and Ibuprofen: Facile Synthesis, Sequential Drug Loading and Sustained Drug Release	Chem.-Asian J.	7	1610-1615	10.1002/asia.201100954
	TiO <sub>2</sub> Nanorod-Derived Synthesis of Upstanding				

33	Hexagonal Kossite Nanosheet Arrays: An Intermediate Route to Novel Nanoporous TiO <sub>2</sub> Nanosheet Arrays	Cryst. Growth Des.	12	289-296	10.1021/cg2010612
34	In situ synthesis of CdS modified CdWO <sub>4</sub> nanorods and their application in photocatalytic H <sub>2</sub> evolution	Crystengcomm	14	3315-3320	10.1039/c2ce06656d
35	Microwave-assisted ionic liquid solvothermal rapid synthesis of hollow microspheres of alkaline earth metal fluorides (MF <sub>2</sub> , M = Mg, Ca, Sr)	Crystengcomm	14	2630-2634	10.1039/c2ce06619j
36	alpha-Fe <sub>2</sub> O <sub>3</sub> hierarchically nanostructured mesoporous microspheres: Surfactant-free solvothermal combined with heat treatment synthesis, photocatalytic activity and magnetic property	Crystengcomm	14	2702-2710	10.1039/c2ce06473a
37	One-step solvothermal synthesis of Ni <sup>2+</sup> doped indium oxide nanocrystals and evidences of their in situ growth mechanism	Crystengcomm	14	1595-1601	10.1039/c1ce06124k
38	Room-temperature solution synthesis of Ag <sub>2</sub> Te hollow microspheres and dendritic nanostructures, and morphology dependent thermoelectric properties	Crystengcomm	14	1805-1811	10.1039/c2ce06280a
39	Preparation and magnetic-optical properties of metastable Ni <sup>2+</sup> doped rhombohedral indium oxide nanorods	Crystengcomm	14	713-718	10.1039/c1ce05543g
40	One step synthesis of Fe <sub>2</sub> O <sub>3</sub> /nitrogen-doped graphene composite as anode materials for lithium ion batteries	Electrochim. Acta	80	302-307	10.1016/j.electacta.2012.07.029
41	Improved electrochemical performance of hierarchical porous carbon/polyaniline composites	Electrochim. Acta	74	98-104	10.1016/j.electacta.2012.04.007
42	Electrochemical properties of SnO <sub>2</sub> thin-film anodes improved by introduction of Cu intermediate and LiF coating layers	Electrochim. Acta	60	7-12	10.1016/j.electacta.2011.10.104
43	Phase and shape controlled VO <sub>2</sub> nanostructures by antimony doping	Energy Environ. Sci.	5	8708-8715	10.1039/c2ee22290f
44	VO <sub>2</sub> -Sb:SnO <sub>2</sub> composite thermochromic smart glass foil	Energy Environ. Sci.	5	8234-8237	10.1039/c2ee21119j
45	Enhanced chemical stability of VO <sub>2</sub> nanoparticles by the formation of SiO <sub>2</sub> /VO <sub>2</sub> core/shell structures and the application to transparent and flexible VO <sub>2</sub> -based composite foils with excellent thermochromic properties for solar heat control	Energy Environ. Sci.	5	6104-6110	10.1039/c2ee02803d
46	Photocatalytic hydrogen production from aqueous solutions over novel Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> microspheres	Int. J. Hydrog. Energy	37	3041-3047	10.1016/j.ijhydene.2011.10.105
47	Antimicrobial and osteogenic effect of Ag-implanted titanium with a nanostructured surface	Int. J. Nanomed.	7	875-884	10.2147/ijn.s28450
48	Tunable strain effect and ferroelectric field effect on the electronic transport properties of La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> thin films	J. Appl. Phys.	111		10.1063/1.4716188
49	Structural properties and quasiparticle band structures of Cu-based quaternary semiconductors for photovoltaic applications	J. Appl. Phys.	111		10.1063/1.3696964
50	gamma-Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> magnetic hierarchically nanostructured hollow microspheres: Preparation, formation mechanism, magnetic property, and application in water treatment	J. Colloid Interface Sci.	385	58-65	10.1016/j.jcis.2012.06.082
51	Effect of tricalcium silicate (Ca <sub>3</sub> SiO <sub>5</sub> ) bioactive material on reducing enamel demineralization: An in vitro pH-cycling study	J. Dent.	40	1119-1126	10.1016/j.jdent.2012.09.006
	Branched double-shelled TiO <sub>2</sub> nanotube networks on				

52	transparent conducting oxide substrates for dye sensitized solar cells	J. Mater. Chem.	22	23411-23417	10.1039/c2jm34574a
53	Preparation, characterization and in vitro angiogenic capacity of cobalt substituted beta-tricalcium phosphate ceramics	J. Mater. Chem.	22	21686-21694	10.1039/c2jm34395a
54	Direct growth of few-layer graphene films on SiO <sub>2</sub> substrates and their photovoltaic applications	J. Mater. Chem.	22	411-416	10.1039/c1jm14778a
55	Facile preparation of three-dimensionally ordered macroporous Bi <sub>2</sub> WO <sub>6</sub> with high photocatalytic activity	J. Mater. Chem.	22	19244-19249	10.1039/c2jm34211a
56	Bioactive mesoporous calcium-silicate nanoparticles with excellent mineralization ability, osteostimulation, drug-delivery and antibacterial properties for filling apex roots of teeth	J. Mater. Chem.	22	16801-16809	10.1039/c2jm33387b
57	A facile in situ hydrophobic layer protected selective etching strategy for the synchronous synthesis/modification of hollow or rattle-type silica nanoconstructs	J. Mater. Chem.	22	12553-12561	10.1039/c2jm31504a
58	3D-printing of highly uniform CaSiO <sub>3</sub> ceramic scaffolds: preparation, characterization and in vivo osteogenesis	J. Mater. Chem.	22	12288-12295	10.1039/c2jm30566f
59	High pseudocapacitance material prepared via in situ growth of Ni(OH) <sub>2</sub> nanoflakes on reduced graphene oxide	J. Mater. Chem.	22	11146-11150	10.1039/c2jm30243h
60	A simple template-free synthesis of ultrathin Cu <sub>2</sub> ZnSnS <sub>4</sub> nanosheets for highly stable photocatalytic H <sub>2</sub> evolution	J. Mater. Chem.	22	6553-6555	10.1039/c2jm16515e
61	Forest-like TiO <sub>2</sub> hierarchical structures for efficient dye-sensitized solar cells	J. Mater. Chem.	22	6824-6830	10.1039/c2jm15442k
62	Hierarchical porous TiO <sub>2</sub> @C hollow microspheres: one-pot synthesis and enhanced visible-light photocatalysis	J. Mater. Chem.	22	7036-7042	10.1039/c2jm16924j
63	Hyaluronic acid-conjugated mesoporous silica nanoparticles: excellent colloidal dispersity in physiological fluids and targeting efficacy	J. Mater. Chem.	22	5615-5621	10.1039/c2jm15489g
64	Solvent-free liquid phase tert-butylation of phenol over hierarchical ZSM-5 zeolites for the efficient production of 2,4-ditert-butylphenol	J. Mater. Chem.	22	3327-3329	10.1039/c2jm15692j
65	Coaxial multi-shelled TiO <sub>2</sub> nanotube arrays for dye sensitized solar cells	J. Mater. Chem.	22	3549-3554	10.1039/c2jm15354h
66	Direct growth of monodisperse SnO <sub>2</sub> nanorods on graphene as high capacity anode materials for lithium ion batteries	J. Mater. Chem.	22	975-979	10.1039/c1jm14099j
67	Photocatalysis Coupled with Thermal Effect Induced by SPR on Ag-Loaded Bi <sub>2</sub> WO <sub>6</sub> with Enhanced Photocatalytic Activity	J. Phys. Chem. C	116	25898-25903	10.1021/jp309719q
68	Effects of Interface Defects on Charge Transfer and Photoinduced Properties of TiO <sub>2</sub> Bilayer Films	J. Phys. Chem. C	116	25354-25361	10.1021/jp307871y
69	Efficient Contaminant Removal by Bi <sub>2</sub> WO <sub>6</sub> Films with Nanoleaflike Structures through a Photoelectrocatalytic Process	J. Phys. Chem. C	116	19413-19418	10.1021/jp306332x
70	Highly Transparent AlON Pressurelessly Sintered from Powder Synthesized by a Novel Carbothermal Nitridation Method	J. Am. Ceram. Soc.	95	2801-2807	10.1111/j.1551-2916.2012.05253.x
71	Pressureless Sintering of Zirconium Diboride Ceramics with Boron Additive	J. Am. Ceram. Soc.	95	2470-2473	10.1111/j.1551-2916.2012.05307.x

72	Fabrication and Properties of 3-D C-f/SiC-ZrC Composites, Using ZrC Precursor and Polycarbosilane	J. Am. Ceram. Soc.	95	1216-1219	10.1111/j.1551-2916.2012.05116.x
73	Strong ZrB <sub>2</sub> -SiC-WC Ceramics at 1600 degrees C	J. Am. Ceram. Soc.	95	874-878	10.1111/j.1551-2916.2011.05062.x
74	Synthesis of Ultralong Copper Nanowires for High-Performance Transparent Electrodes	J. Am. Chem. Soc.	134	14283-14286	10.1021/ja3050184
75	Nuclear-Targeted Drug Delivery of TAT Peptide-Conjugated Monodisperse Mesoporous Silica Nanoparticles	J. Am. Chem. Soc.	134	5722-5725	10.1021/ja211035w
76	Hydrothermal fabrication of mesoporous carbonated hydroxyapatite microspheres for a drug delivery system	Microporous Mesoporous Mat.	155	245-251	10.1016/j.micromeso.2012.01.037
77	Template-free approach to synthesize hierarchical porous nickel cobalt oxides for supercapacitors	Nanoscale	4	6786-6791	10.1039/c2nr31725g
78	Amperometric biosensor based on 3D ordered freestanding porous Pt nanowire array electrode	Nanoscale	4	6025-6031	10.1039/c2nr31256e
79	Controllable synthesis of monodisperse ultrathin SnO <sub>2</sub> nanorods on nitrogen-doped graphene and its ultrahigh lithium storage properties	Nanoscale	4	5425-5430	10.1039/c2nr31357j
80	Controlled fabrication of silver nanoneedles array for SERS and their application in rapid detection of narcotics	Nanoscale	4	2663-2669	10.1039/c2nr12110g
81	A facile method to observe graphene growth on copper foil	Nanotechnology	23		10.1088/0957-4484/23/47/475705
82	VO <sub>2</sub> : Orbital competition, magnetism, and phase stability	Phys. Rev. B	86		10.1103/PhysRevB.86.235103
83	Chemical bonding, conductive network, and thermoelectric performance of the ternary semiconductors Cu <sub>2</sub> SnX <sub>3</sub> (X = Se, S) from first principles	Phys. Rev. B	86		10.1103/PhysRevB.86.155201
84	Ultrafast synthesis and characterization of carbonated hydroxyapatite nanopowders via sonochemistry-assisted microwave process	Ultrason. Sonochem.	19	1174-1179	10.1016/j.ultsonch.2012.04.002

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