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## 通知公告

- [其它通知] 前沿交叉学科研究院2014年寒假带班值班计划 (01-08)
- [其它通知] 转：关于调整仪器设备固定资产建账单价起点的通知 (12-30)
- [学工通知] 关于2012-2013学年度市级奖励推荐名单的公示 (12-13)
- [其它通知] 关于申报校内第二十二期《大型仪器开放测试基金》的通知 (11-15)
- [团组织] 前沿学院2013级党支部开展建设服务型党支部座谈会 (11-04)



## 2012年各研究中心参与发表的SCI论文

检索条件: 地址=((Peking Univ) SAME (AAIS OR Interdisciplinary OR (Biomed X Ctr) OR CTB OR (Ctr Theoret Biol) OR CNST OR (Ctr Nanoscale Sci & Technol) OR (Ctr Environm Hlth) OR (Ctr Biomed Mat & Tissue Engr) OR (MRI Res Ctr) OR (Funct Imaging Ctr) OR (Ctr Funct Imaging)))) AND 出版类型=(Article OR Letter OR Review)

Authors	Title	Source	Year	Volume	Page
Huang, JY; Peng, XL; Xiong, CY; Fang, J	Influence of substrate rigidity on primary nucleation of cell adhesion: A thermal fluctuation model	JOURNAL OF COLLOID AND INTERFACE SCIENCE	2012	366	200-208
Zhang, J; Zhao, SX; Yuan, BK; Deng, K; Sun, BY; Qiu, XH	Monolayered adatom aggregation induced by metallofullerene molecules on Cu(100)	SURFACE SCIENCE	2012	606	78-82
Li, C; Wang, LL; Yang, Z; Kim, G; Chen, HF; Ge, ZG	A Viscoelastic Chitosan-Modified Three-Dimensional Porous Poly(L-Lactide-co-epsilon-Caprolactone) Scaffold for Cartilage Tissue Engineering	JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION	2012	23	405-424
Wang, ZX; Xiao, JX; Xie, S; Zhao, DH; Liu, XW; Zhang, J; Yuan, Y; Huang, YN	MR evaluation of cerebral oxygen metabolism and blood flow in stroke-like episodes of MELAS	JOURNAL OF THE NEUROLOGICAL SCIENCES	2012	323	173-177
Ma, J; Qiu, XH; Ren, AG; Jin, L; Zhu, T	Using placenta to evaluate the polychlorinated biphenyls (PCBs) and polybrominated diphenyl ethers (PBDEs) exposure of fetus in a region with high prevalence of neural tube defects	ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	2012	86	141-146
Liu, YY; Lv, KS; Li, ZL; Yu, ACH; Chen, JG; Teng, JL	PACSIN1, a Tau-interacting Protein, Regulates Axonal Elongation and Branching by Facilitating Microtubule Instability	JOURNAL OF BIOLOGICAL CHEMISTRY	2012		287
Yu, Z; Fang, J; Yan, H; Zhang, YJ; Lu, K; Wei, ZX	Self-Assembly of Well-Defined Poly(3-hexylthiophene) Nanostructures toward the Structure-Property Relationship Determination of Polymer Solar Cells	JOURNAL OF PHYSICAL CHEMISTRY C	2012	116	23858-23863
Quhe, RG; Fei, RX; Liu, QH; Zheng, JX; Li, H; Xu, CY; Ni, ZY; Wang, YY; Yu, DP; Gao, ZX; Lu, J	Tunable and sizable band gap in silicene by surface adsorption	SCIENTIFIC REPORTS	2012		2
Wang, YB; Li, YB; Luo, Y; Xu, M; Zhang, XM; Guo, YY; Wei, GH; Yuan, LH; Gong, B; Yang, YL; Wang, C	Study on Molecular Cavity of Oligoamide Macrocycles by Using Scanning Tunneling Microscopy	CHEMPHYSIC	2012	13	3598-3604
Rafelski, SM; Viana, MP; Zhang, Y; Chan, YHM; Thorn, KS; Yam, P; Fung, JC; Li, H; Costa, LD; Marshall, WF	Mitochondrial Network Size Scaling in Budding Yeast	SCIENCE	2012	338	822-824
Jin, Q; Li, DX; Qi, Q; Zhang, YW; He, J; Jiang, C	Two-Step Growth of Large Pentacene Single Crystals Based on Crystallization of Pentacene Monolayer Film	CRYSTAL GROWTH & DESIGN	2012	12	5432-5438
Yu, Z; Lu, K; Wei, ZX	Self-assembly of conjugated polymers for anisotropic nanostructures	SCIENCE CHINA-CHEMISTRY	2012	55	2283-2291
Tamhane, AA; Arfanakis, K; Anastasio, M; Guo, XD; Vannier, M; Gao, JH	Rapid PROPELLER-MRI: A combination of iterative reconstruction and under-sampling	JOURNAL OF MAGNETIC RESONANCE IMAGING	2012	36	1241-1247
Yin, JB; Zhang, GM	ZnO nanorod arrays: Field-assisted growth in aqueous solution and field emission properties	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	2012	55	3176-3186
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Zhang, XM; Xu, L; Huang, X; Wei, SC; Zhai, ML	biological evaluation on the collagen hydrogel crosslinked by $\gamma$ -irradiation	BIOMEDICAL MATERIALS RESEARCH PART A	2012	100A	2960-2969
Guido, I; Xiong, CY; Fang, J	Low-voltage electroporation with fluidic microelectrodes	MICROELECTRONIC ENGINEERING	2012		98707-710
Ding, XQ; Wu, ZY; Jin, HW; Liu, ZM	Characterization and Comparative Analysis of Chemical Libraries for Drug Discovery	ACTA PHYSICO-CHEMICA SINICA	2012		282401-2410
Chen, RJ; Huang, W; Wong, CM; Wang, ZS; Thach, TQ; Chen, BH; Kan, HD	Short-term exposure to sulfur dioxide and daily mortality in 17 Chinese cities: The China air pollution and health effects study (CAPES)	ENVIRONMENTAL RESEARCH	2012		118101-106
Wang, J; Zhang, YD; Yang, XD; Wang, XY; Zhang, J; Fang, J; Jiang, XX	Hemodynamic Effects of Furosemide on Renal Perfusion as Evaluated by ASL-MRI	ACADEMIC RADIOLOGY	2012		191194-1200
Wang, LL; Zhang, K; Xiong, CY; Ge, ZG	Cytotoxicity of core-shell polystyrene magnetic beads and related mechanisms	MOLECULAR & CELLULAR TOXICOLOGY	2012		8217-227
Zou, X; Zhao, MZ; Shen, HY; Zhao, XY; Tong, YP; Wang, QS; Wei, SC; Ji, JG	MilQuant: A free, generic software tool for isobaric tagging-based quantitation	JOURNAL OF PROTEOMICS	2012		755516-5522
Chen, RJ; Samoli, E; Wong, CM; Huang, W; Wang, ZS; Chen, BH; Kan, HD	Associations between short-term exposure to nitrogen dioxide and mortality in 17 Chinese cities: The China Air Pollution and Health Effects Study (CAPES)	ENVIRONMENT INTERNATIONAL	2012		4532-38
Liu, Y; Zhou, M; Luo, D; Wang, LJ; Hong, YK; Yang, YP; Sha, YL	Bacteria-mediated in vivo delivery of quantum dots into solid tumor	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	2012		425769-774
Yang, Y; Xue, XC; Jin, XF; Wang, LJ; Sha, YL; Li, ZJ	Synthesis of multivalent N-acetyl lactosamine modified quantum dots for the study of carbohydrate and galectin-3 interactions	TETRAHEDRON	2012		687148-7154
Wang, SS; Wei, Q; Zhu, T; Huang, JY; Yu, M; Sha, YL; Xiong, CY; Fang, J	CD4+ T Cell Counting by Impedance Measurement on a Chip with Fluidic Electrodes	INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION	2012		13311-317
Tang, K; Ni, ZY; Liu, QH; Quhe, RG; Zheng, QY; Zheng, JX; Fei, RX; Gao, ZX; Lu, J	Electronic and transport properties of a biased multilayer hexagonal boron nitride	EUROPEAN PHYSICAL JOURNAL B	2012		85
He, ZR; Wu, TL; Ouyang, Q; Tu, YH	A population-level model from the microscopic dynamics in Escherichia coli chemotaxis via Langevin approximation	CHINESE PHYSICS B	2012		21
Guido, I; Xiong, CY; Jaeger, MS; Duschl, C	Microfluidic system for cell mechanics analysis through dielectrophoresis	MICROELECTRONIC ENGINEERING	2012		97379-382
Wang, J; Yang, XH; Sun, K; Sun, P; Pan, J; Zhu, WD; Becker, KH; Zhang, J; Fang, J	Tooth Enamel Evaluation After Tooth Bleaching With Hydrogen Peroxide Assisted by a DC Nonthermal Atmospheric-Pressure Plasma Jet	IEEE TRANSACTIONS ON PLASMA SCIENCE	2012		402157-2162
Ye, HQ; Zhang, Q; Sun, K; Zhang, J; Jiao, Y; Zhou, YS	Aging Effects of Fiber Post Surface Treatment with Nonthermal Plasma	INTERNATIONAL JOURNAL OF PROSTHODONTICS	2012		25509-511
Wang, CJ; Zhang, YF; Wei, J; Wei, SC	Effects of Different pH Conditions on Enamel Erosion Repair by Nano Fluorapatite Pastes	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2012		127346-7353
Wu, QX; He, RS; Zhou, HN; Yu, ACH; Zhang, B; Teng, JL; Chen, JG	Cep57, a NEDD1-binding pericentriolar material component, is essential for spindle pole integrity	CELL RESEARCH	2012		221390-1401
Ge, ZG; Li, C; Heng, BC; Cao, GX; Yang, Z	Functional biomaterials for cartilage regeneration	JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A	2012	100A	2526-2536
Zhao, YH; Zhou, Y; Wu, XM; Wang, L; Xu, L; Wei, SC	A facile method for electrospinning of Ag nanoparticles/poly(vinyl alcohol)/carboxymethyl-chitosan nanofibers	APPLIED SURFACE SCIENCE	2012		2588867-8873

Liu, HX; Sun, WQ; Xiang, A; Shi, TW; Chen, Q; Xu, SY	Towards on-chip time-resolved thermal mapping with micro-/nanosensor arrays	NANOSCALE RESEARCH LETTERS	2012	71-6
Wang, J; Guo, JS; Wu, S; Feng, HQ; Sun, SJ; Pan, J; Zhang, J; Beebe, SJ	Synergistic Effects of Nanosecond Pulsed Electric Fields Combined with Low Concentration of Gemcitabine on Human Oral Squamous Cell Carcinoma In Vitro	PLOS ONE	2012	7
Gao, JH; Liu, HL	Inflow effects on functional MRI	NEUROIMAGE	2012	621035-1039
Zhou, JH; Liu, DD; Li, X; Ma, J; Zhang, J; Fang, J	Pink noise: Effect on complexity synchronization of brain activity and sleep consolidation	JOURNAL OF THEORETICAL BIOLOGY	2012	30668-72
Li, H; Wang, L; Liu, QH; Zheng, JX; Mei, WN; Gao, ZX; Shi, JJ; Lu, J	High performance silicene nanoribbon field effect transistors with current saturation	EUROPEAN PHYSICAL JOURNAL B	2012	85
Dang, Y; Wu, B; Sun, Y; Mo, D; Wang, X; Zhang, J; Fang, J	Quantitative Assessment of External Carotid Artery Territory Supply with Modified Vessel-Encoded Arterial Spin-Labeling	AMERICAN JOURNAL OF NEURORADIOLOGY	2012	331380-1386
Gao, YB; Zhang, YF; Ren, J; Li, DH; Gao, T; Zhao, RO; Yang, YL; Meng, S; Wang, C; Liu, ZF	Sequential assembly of metal-free phthalocyanine on few-layer epitaxial graphene mediated by thickness-dependent surface potential	NANO RESEARCH	2012	5543-549
Xi, HZ; Liu, Q; Guo, SM	Phase change material Ge <sub>2</sub> Sb <sub>1.5</sub> Bi <sub>0.5</sub> Te <sub>5</sub> possessed of both positive and negative photoresist characteristics	MATERIALS LETTERS	2012	8072-74
Zhang, DD; Fu, L; Liao, L; Dai, B; Zou, R; Zhang, CX	Electrochemically functional graphene nanostructure and layer-by-layer nanocomposite incorporating adsorption of electroactive methylene blue	ELECTROCHIMICA ACTA	2012	7571-79
Yang, M; Li, J; Li, JM; Zhu, X	Scattering of Light by Plasmonic Nanoparticles on a Silicon Substrate	CHEMPHYSICHEM	2012	132573-2577
Huang, W; Zhu, T; Pan, XC; Hu, M; Lu, SE; Lin, Y; Wang, T; Zhang, YH; Tang, XY	Air Pollution and Autonomic and Vascular Dysfunction in Patients With Cardiovascular Disease: Interactions of Systemic Inflammation, Overweight, and Gender	AMERICAN JOURNAL OF EPIDEMIOLOGY	2012	176117-126
Sun, Y; Yu, S; Sun, P; Wu, HY; Zhu, WD; Liu, W; Zhang, J; Fang, J; Li, RY	Inactivation of Candida Biofilms by Non-Thermal Plasma and Its Enhancement for Fungistatic Effect of Antifungal Drugs	PLOS ONE	2012	7
Zhang, DD; Wang, XW; Wang, R; Wang, SN; Cheng, ZH; Qiu, XH	Lateral Resolution and Signal to Noise Ratio in Electrostatic Force Detection Based on Scanning Probe Microscopy	CHINESE PHYSICS LETTERS	2012	29
Zhou, XY; Liu, F; Zhang, LN; Wang, C; He, J; Zhang, X; Chan, MS	Unified Scale Length for Four-Terminal Double-Gate MOSFETs	IEEE TRANSACTIONS ON ELECTRON DEVICES	2012	591997-1999
Yang, CX; Peng, XW; Huang, W; Chen, RJ; Xu, ZC; Chen, BH; Kan, HD	A time-stratified case-crossover study of fine particulate matter air pollution and mortality in Guangzhou, China	INTERNATIONAL ARCHIVES OF OCCUPATIONAL AND ENVIRONMENTAL HEALTH	2012	85579-585
Nie, FL; Zheng, YF	Surface chemistry of bulk nanocrystalline pure iron and electrochemistry study in gas-flow physiological saline	JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS	2012	100B 1404-1410
Zhang, YD; Wang, J; Yang, XD; Wang, XY; Zhang, J; Fang, J; Jiang, XX	The serial effect of iodinated contrast media on renal hemodynamics and oxygenation as evaluated by ASL and BOLD MRI	CONTRAST MEDIA & MOLECULAR IMAGING	2012	7418-425
Zhao, MZ; An, MR; Wang, QS; Liu, XC; Lai, WJ; Zhao, XY; Wei, SC; Ji, JG	Quantitative proteomic analysis of human osteoblast-like MG-63 cells in response to bioinert implant material titanium and polyetheretherketone	JOURNAL OF PROTEOMICS	2012	753560-3573
Liu, HX; Sun, WQ; Xu, SY	An Extremely Simple Thermocouple Made of a Single Layer of Metal	ADVANCED MATERIALS	2012	243275-3279
Zhang, Q; Sun, P; Feng, HQ; Wang, RX; Liang, YD; Zhu, WD; Becker, KH; Zhang, J; Fang, J	Assessment of the roles of various inactivation agents in an argon-based direct current atmospheric pressure cold	JOURNAL OF APPLIED PHYSICS	2012	111



Kang, Y; Deng, R; Wang, C; Deng, T; Peng, PC; Cheng, XX; Wang, GQ; Qian, MP; Gao, HF; Han, B; Chen, YS; Hu, YH; Geng, R; Hu, CP; Zhang, W; Yang, JP; Wan, HY; Yu, Q; Wei, LP; Li, JS; Tian, GZ; Wang, QY; Hu, K; Wang, SQ; Wang, RQ; Du, J; He, B; Ma, JJ; Zhong, XN; Mu, L; Cai, SX; Zhu, XD; Xing, WL; Yu, J; Deng, MH; Gao, ZC	Etiologic Diagnosis of Lower Respiratory Tract Bacterial Infections Using Sputum Samples and Quantitative Loop-Mediated Isothermal Amplification	PLOS ONE	2012	7	
Wang, Q; Peng, PC; Qian, MP; Wan, L; Deng, MH	Hybridization and amplification rate correction for affymetrix SNP arrays	BMC MEDICAL GENOMICS	2012	5	
Dang, S; Liu, QL; Zhang, XJ; He, KM; Wang, CR; Fang, XH	Comparative Cytotoxicity Study of Water-Soluble Carbon Nanoparticles on Plant Cells	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2012	12	4478-4484
Miao, JJ; Wang, YS; Guo, CF; Tian, Y; Zhang, JM; Liu, Q; Zhou, ZP; Misawa, H	Far-Field Focusing of Spiral Plasmonic Lens	PLASMONICS	2012	7	377-381
Chen, RJ; Kan, HD; Chen, BH; Huang, W; Bai, ZP; Song, GX; Pan, GW	Association of Particulate Air Pollution With Daily Mortality	AMERICAN JOURNAL OF EPIDEMIOLOGY	2012	175	1173-1181
Zeng, QS; Wang, S; Yang, LJ; Wang, ZX; Pei, T; Zhang, ZY; Peng, LM; Zhou, WW; Liu, J; Zhou, WY; Xie, SS	Carbon nanotube arrays based high-performance infrared photodetector [Invited]	OPTICAL MATERIALS EXPRESS	2012	28	839-848
Lai, BB; Ding, RG; Li, Y; Duan, LP; Zhu, HQ	A de novo metagenomic assembly program for shotgun DNA reads	BIOINFORMATICS	2012	28	1455-1462
Zhang, YD; Wang, J; Wang, XY; Zhang, J; Fang, J; Jiang, XX	Feasibility study of exploring a T1-weighted dynamic contrast-enhanced MR approach for brain perfusion imaging	JOURNAL OF MAGNETIC RESONANCE IMAGING	2012	35	1322-1331
Qin, JF; Zhang, GM; Xing, YJ	Direct growth of tungsten oxide nanorods from heated tungsten foils	SCIENCE CHINA-TECHNOLOGICAL SCIENCES	2012	55	1503-1508
Huang, JY; Deng, H; Peng, XL; Li, SS; Xiong, CY; Fang, J	Cellular Traction Force Reconstruction Based on a Self-adaptive Filtering Scheme	CELLULAR AND MOLECULAR BIOMEDIKAL ENGINEERING	2012	5	205-216
Huang, YQ; Cao, HQ; Liu, ZR	Three-dimensional domain swapping in the protein structure space	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2012	80	1610-1619
Jiang, Y; Hao, Y; Zhang, Y; Liu, J; Wang, XY; Han, JS; Fang, J; Zhang, J; Cui, CL	Thirty minute transcutaneous electric acupoint stimulation modulates resting state brain activities: A perfusion and BOLD fMRI study	BRAIN RESEARCH	2012	1457	13-25
Wei, P; Sun, LL; Benassi, E; Shen, ZY; Sanvito, S; Hou, SM	Effects of the covalent linker groups on the spin transport properties of single nickelocene molecules attached to single-walled carbon nanotubes	JOURNAL OF CHEMICAL PHYSICS	2012	136	
Wang, SN; Wang, R; Liu, XF; Wang, XW; Zhang, DD; Guo, YJ; Qiu, XH	Optical Spectroscopy Investigation of the Structural and Electrical Evolution of Controllably Oxidized Graphene by a Solution Method	JOURNAL OF PHYSICAL CHEMISTRY C	2012	116	10702-10707
Rich, DQ; Kipen, HM; Huang, W; Wang, GF; Wang, YD; Zhu, P; Ohman-Strickland, P; Hu, M; Philipp, C; Diehl, SR; Lu, SE; Tong, J; Gong, JC; Thomas, D; Zhu, T; Zhang, JF	Association Between Changes in Air Pollution Levels During the Beijing Olympics and Biomarkers of Inflammation and Thrombosis in Healthy Young Adults	JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION	2012	307	2068-2078
Fu, L; Chen, YY; Ma, HW	Solidified Liquid Layer Model Expands the Application Fields of Quartz Crystal Microbalance	MACROMOLECULAR RAPID COMMUNICATIONS	2012	33	735-741
Li, SF; Zou, QH; Li, J; Li, J; Wang, DY; Yan, CG; Dong, Q; Zang, YF	5-HTTLPR Polymorphism Impacts Task-Evoked and Resting-State Activities of the Amygdala in Han Chinese	PLOS ONE	2012	7	
Hu, YB; Peng, JB; Gu, S; Pei, JF; Zou, ZM	Molecular Docking in Xin-Ke-Shu Preparation's Multi-Target Effect on Coronary Heart Disease	ACTA PHYSICO-CHEMICA SINICA	2012	28	1257-1264

Guo, M; Wang, X; Zhou, HM; Li, L; Nie, FL; Cheng, Y; Zheng, YF	In vitro study on porous silver scaffolds prepared by electroplating method using cellular carbon skeleton as the substrate	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2012	32	909-915
Zhou, Y; Xu, L; Zhang, XM; Zhao, YH; Wei, SC; Zhai, ML	Radiation synthesis of gelatin/CM-chitosan/beta-tricalcium phosphate composite scaffold for bone tissue engineering	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2012	32	994-1000
Liu, DD; Yang, XC; Wang, GF; Ma, J; Liu, YH; Peng, CK; Zhang, J; Fang, J	HHT based cardiopulmonary coupling analysis for sleep apnea detection	SLEEP MEDICINE	2012	13	503-509
Wang, J; Zhang, YD; Yang, XD; Wang, XY; Zhang, J; Fang, J; Jiang, XX	Time course study on the effects of iodinated contrast medium on intrarenal water transport function using diffusion-weighted MRI	JOURNAL OF MAGNETIC RESONANCE IMAGING	2012	35	1139-1144
Zhou, Y; Zhao, YH; Wang, L; Xu, L; Zhai, ML; Wei, SC	Radiation synthesis and characterization of nanosilver/gelatin/carboxymethyl chitosan hydrogel	RADIATION PHYSICS AND CHEMISTRY	2012	81	553-560
Yang, G; Quan, Y; Wang, W; Fu, Q; Wu, J; Mei, T; Li, J; Tang, Y; Luo, C; Ouyang, Q; Chen, S; Wu, L; Hei, TK; Wang, Y	Dynamic equilibrium between cancer stem cells and non-stem cancer cells in human SW620 and MCF-7 cancer cell populations	BRITISH JOURNAL OF CANCER	2012	106	1512-1519
Wang, Q; Feng, H; Zheng, PL; Shen, BR; Chen, L; Liu, L; Liu, X; Hao, QS; Wang, SC; Chen, JG; Teng, JL	The Intracellular Transport and Secretion of Calumenin-1/2 in Living Cells	PLOS ONE	2012	7	
Long, Y; Qi, O; Wang, HL	Dose-Response Aligned Circuits in Signaling Systems	PLOS ONE	2012	7	
Cao, Q; Luo, XY; Gao, KY; Wang, XR; Chen, DM; Wang, RQ	Improved atom number with a dual color magneto-optical trap	CHINESE PHYSICS B	2012	21	
Xi, HZ; Liu, Q; Tian, Y; Wang, YS; Guo, SM; Chu, MY	Ge2Sb1.5Bi0.5Te5 thin film as inorganic photoresist	OPTICAL MATERIALS EXPRESS	2012	2	461-468
Wu, HY; Sun, P; Feng, HQ; Zhou, HX; Wang, RX; Liang, YD; Lu, JF; Zhu, WD; Zhang, J; Fang, J	Reactive Oxygen Species in a Non-thermal Plasma Microjet and Water System: Generation, Conversion, and Contributions to Bacteria Inactivation-An Analysis by Electron Spin Resonance Spectroscopy	PLASMA PROCESSES AND POLYMERS	2012	9	417-424
Wang, YB; Li, HF; Zheng, YF; Li, M	Corrosion performances in simulated body fluids and cytotoxicity evaluation of Fe-based bulk metallic glasses	MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS	2012	32	599-606
Zhang, CS; Lai, LH	Automatch: Target-binding protein design and enzyme design by automatic pinpointing potential active sites in available protein scaffolds	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2012	80	1078-1094
Zhu, XJ; Si, GW; Deng, NP; Ouyang, Q; Wu, TL; He, ZR; Jiang, LL; Luo, CX; Tu, YH	Frequency-Dependent Escherichia coli Chemotaxis Behavior	PHYSICAL REVIEW LETTERS	2012	108	
Wu, YR; He, C; Gao, Y; He, S; Liu, Y; Lai, LH	Dynamic Modeling of Human 5-Lipoxygenase-Inhibitor Interactions Helps To Discover Novel Inhibitors	JOURNAL OF MEDICAL CHEMISTRY	2012	55	2597-2605
Liang, YD; Wu, Y; Sun, K; Chen, Q; Shen, FX; Zhang, J; Yao, MS; Zhu, T; Fang, J	Rapid Inactivation of Biological Species in the Air using Atmospheric Pressure Nonthermal Plasma	ENVIRONMENTAL SCIENCE & TECHNOLOGY	2012	46	3360-3368
Ma, RN; Feng, HQ; Li, FT; Liang, YD; Zhang, Q; Zhu, WD; Zhang, J; Becker, KH; Fang, J	An evaluation of anti-oxidative protection for cells against atmospheric pressure cold plasma treatment	APPLIED PHYSICS LETTERS	2012	100	
Huang, W; Cao, JJ; Tao, YB; Dai, LZ; Lu, SE; Hou, B; Wang, Z; Zhu, T	Seasonal Variation of Chemical Species Associated With Short-Term Mortality Effects of PM2.5 in Xi'an, a Central City in China	AMERICAN JOURNAL OF EPIDEMIOLOGY	2012	175	556-566
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Li, Y; Wei, P; Bai, ML; Shen, ZY; Sanvito, S; Hou, SM	Contact geometry and electronic transport properties of Ag-benzene-Ag molecular junctions	CHEMICAL PHYSICS	2012	397	82-86
Jia, C; Liu, XF; Qian, MP; Jiang, DQ; Zhang, YP	Kinetic behavior of the general modifier mechanism of Botts and Morales with non-equilibrium binding	JOURNAL OF THEORETICAL BIOLOGY	2012	296	13-20
Lu, HB; Zou, QH; Gu, H; Raichle, ME; Stein, EA; Yang, YH	Rat brains also have a default mode network	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2012	109	3979-3984
Yu, F; Zhou, HQ; Zhang, ZX; Tang, DS; Chen, MJ; Yang, HC; Wang, G; Yang, HF; Gu, CZ; Sun, LF	Experimental observation of radial breathing-like mode of graphene nanoribbons	APPLIED PHYSICS LETTERS	2012	100	
Liu, S; Zhao, Q; Xu, J; Yan, K; Peng, HL; Yang, FH; You, LP; Yu, DP	Fast and controllable fabrication of suspended graphene nanopore devices	NANOTECHNOLOGY	2012	23	
Tian, Y; Guo, CF; Guo, SM; Wang, YS; Miao, JJ; Wang, Q; Liu, Q	Bismuth nanowire growth under low deposition rate and its ohmic contact free of interface damage	AIP ADVANCES	2012	2	
Yang, LJ; Wang, S; Zeng, QS; Zhang, ZY; Li, Y; Zhou, WW; Liu, J; Peng, LM	Channel-Length-Dependent Transport and Photovoltaic Characteristics of Carbon-Nanotube-Based, Barrier-Free Bipolar Diode	ACS APPLIED MATERIALS & INTERFACES	2012	4	1154-1157
Zheng, DD; Liu, ZH; Fang, J; Wang, XY; Zhang, J	The Effect of Age and Cerebral Ischemia on Diffusion-Weighted Proton MR Spectroscopy of the Human Brain	AMERICAN JOURNAL OF NEURORADIOLOGY	2012	33	563-568
Tao, YB; Huang, W; Huang, XL; Zhong, LJ; Lu, SE; Li, Y; Dai, LZ; Zhang, YH; Zhu, T	Estimated Acute Effects of Ambient Ozone and Nitrogen Dioxide on Mortality in the Pearl River Delta of Southern China	ENVIRONMENTAL HEALTH PERSPECTIVES	2012	120	393-398
Qi, YF; Liang, HH; Han, XP; Lai, LH	Sequence Preference of alpha-Helix N-Terminal Tetrapeptide	PROTEIN AND PEPTIDE LETTERS	2012	19	345-352
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