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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)



2009年各研究中心参与发表的SCI论文

检索条件: AD=((Peking Univ) AND (AAIS OR (Acad Adv Interdisciplinary Studies) OR (Interdisciplinary Acad) OR (Adv Acad Interdisciplinary Sci) OR (Biomed X Ctr) OR CTB OR ((Ctr Theoret Biol) NOT ((Ctr Theoret Biol Phys) OR (Ctr Theoret Biol Sci)))) OR CNST OR (Ctr Nanoscale Sci & Technol) OR (Ctr Environm Hlth) OR (Ctr Biomed Mat & Tissue Engrn) OR (Funct Imaging Ctr) OR (Ctr Funct Imaging))

Authors	Title	Source	Year	Volume	Page
Luo, CW; Hu, GQ; Zhu, HQ	Genome reannotation of Escherichia coli CFT073 with new insights into virulence	BMC GENOMICS	2009	10	
Wang, YB; Li, HF; Cheng, Y; Wei, SC; Zheng, YF	Corrosion performances of a Nickel-free Fe-based bulk metallic glass in simulated body fluids	ELECTROCHEMISTRY COMMUNICATIONS	2009	11	2187-2190
Huang, YQ; Liu, ZR	Kinetic Advantage of Intrinsically Disordered Proteins in Coupled Folding-Binding Process: A Critical Assessment of the "Fly-Casting" Mechanism	JOURNAL OF MOLECULAR BIOLOGY	2009	393	1143-1159
Luo, CX; Jiang, LL; Liang, SB; Ouyang, Q; Ji, H; Chen, Y	High-throughput microfluidic system for monitoring diffusion-based monolayer yeast cell culture over long time periods	BIOMEDICAL MICRODEVICES	2009	11	981-986
Gu, XN; Zheng, W; Cheng, Y; Zheng, YF	A study on alkaline heat treated Mg-Ca alloy for the control of the biocorrosion rate	ACTA BIOMATERIALIA	2009	5	2790-2799
Mak, AKY; Wong, MMC; Han, SH; Lee, TMC	Gray matter reduction associated with emotion regulation in female outpatients with major depressive disorder: A voxel-based morphometry study	PROGRESS IN NEURO-PSYCHOPHARMACOLOGY & BIOLOGICAL PSYCHIATRY	2009	33	1184-1190
Zhang, CQ; Wang, J; Zhu, HQ; Gao, X	The Transcriptional Regulatory Mechanism of CYP72B1 and AUR3 in Response to Light, Auxin and Brassinosteroid	PROGRESS IN BIOCHEMISTRY AND BIOPHYSICS	2009	36	1215-1221
Ni, SS; Yuan, YX; Huang, J; Mao, XN; Lv, MS; Zhu, J; Shen, X; Pei, JF; Lai, LH; Jiang, HL; Li, J	Discovering Potent Small Molecule Inhibitors of Cyclophilin A Using de Novo Drug Design Approach	JOURNAL OF MEDICINAL CHEMISTRY	2009	52	5295-5298
Wu, YL; Zhang, XM; Yu, JL; Ouyang, Q	Identification of a Topological Characteristic Responsible for the Biological Robustness of Regulatory Networks	PLOS COMPUTATIONAL BIOLOGY	2009	5	
Ma, WZ; Trusina, A; El-Samad, H; Lim, WA; Tang, C	Defining Network Topologies that Can Achieve Biochemical Adaptation	CELL	2009	138	760-773
Zhou, Y; Wang, YB; Zhang, EW; Cheng, Y; Xiong, XL; Zheng, YF; Wei, SC	Alkali-heat treatment of a low modulus biomedical Ti-27Nb alloy	BIOMEDICAL MATERIALS	2009	4	
Chen, T; Xie, ZW; Ouyang, Q	Expanded flux variability analysis on metabolic network of Escherichia coli	CHINESE SCIENCE BULLETIN	2009	54	2610-2619
Jiang, LL; Ouyang, Q; Tu,	A Mechanism for Precision-Sensing via a Gradient-Sensing Pathway: A Model of	BIOPHYSICAL JOURNAL	2009	97	74-82

YH	Escherichia coli Thermotaxis				
Hu, GQ; Guo, JT; Liu, YC; Zhu, HQ	MetaTISA: Metagenomic Translation Initiation Site Annotator for improving gene start prediction	BIOINFORMATICS	2009	25	1843-1845
Wu, ZY; He, CQ; Liu, YY; Feng, Q; Teng, JL; Chen, JG	A Study of Homologous Recombination in Foot-and-mouth Disease Virus in China	PROGRESS IN BIOCHEMISTRY AND BIOPHYSICS	2009	36	689-695
Kang, H; Yao, XQ; She, ZS; Zhu, HQ	Water-protein interplay reveals the specificity of alpha-lytic protease	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	2009	385	165-169
He, KM; Wang, SQ; Zhang, JL	Blood lead levels of children and its trend in China	SCIENCE OF THE TOTAL ENVIRONMENT	2009	407	3986-3993
Hang, XY; Li, PY; Li, ZF; Qu, WB; Yu, Y; Li, HL; Shen, ZY; Zheng, H; Gao, Y; Wu, YH; Deng, MH; Sun, ZX; Zhang, CG	Transcription and splicing regulation in human umbilical vein endothelial cells under hypoxic stress conditions by exon array	BMC GENOMICS	2009	10	
Wang, HL; Fu, ZP; Xu, XH; Ouyang, Q	Stochasticity in the yeast mating pathway	CHINESE PHYSICS B	2009	18	2082-2095
Zhong, J; Yang, CH; Zheng, WF; Huang, LX; Hong, YK; Wang, LJ; Sha, YL	Effects of Lipid Composition and Phase on the Membrane Interaction of the Prion Peptide 106-126 Amide	BIOPHYSICAL JOURNAL	2009	96	4610-4621
Kalinin, YV; Jiang, LL; Tu, YH; Wu, MM	Logarithmic Sensing in Escherichia coli Bacterial Chemotaxis	BIOPHYSICAL JOURNAL	2009	96	2439-2448
Xie, GY; Zhang, J; Zhang, YY; Zhang, YY; Zhu, T; Liu, ZF	Fabrication of metal suspending nanostructures by nanoimprint lithography (NIL) and isotropic reactive ion etching (RIE)	SCIENCE IN CHINA SERIES E- TECHNOLOGICAL SCIENCES	2009	52	1181-1186
Huang, JY; Peng, XL; Qin, L; Zhu, T; Xiong, CY; Zhang, YY; Fang, J	Determination of Cellular Traction on Elastic Substrate Based on an Integral Boussinesq Solution	JOURNAL OF BIOMECHANICAL ENGINEERING- TRANSACTIONS OF THE ASME	2009	131	
Zheng, H; Hang, XY; Zhu, J; Qian, MP; Qu, WB; Zhang, CG; Deng, MH	REMAS: a new regression model to identify alternative splicing events from exon array data	BMC BIOINFORMATICS	2009	10	
Wang, Q; Wan, L; Li, DY; Zhu, LH; Qian, MP; Deng, MH	Searching for bidirectional promoters in Arabidopsis thaliana	BMC BIOINFORMATICS	2009	10	
Liang, HH; Chen, H; Fan, KQ; Wei, P; Guo, XR; Jin, CW; Zeng, C; Tang, C; Lai, LH	De Novo Design of a beta alpha beta Motif	ANGEWANDTE CHEMIE- INTERNATIONAL EDITION	2009	48	3301-3303
Qin, JG; Han, SH	Parsing Neural Mechanisms of Social and Physical Risk Identifications	HUMAN BRAIN MAPPING	2009	30	1338-1351
Wan, L; Li, DY; Zhang, DL; Liu, X; Fu, WJ; Zhu, LH; Deng, MH; Sun, FZ; Qian, MP	Conservation and implications of eukaryote transcriptional regulatory regions across multiple species	BMC GENOMICS	2008	9	
Liu, ZR; Deibler, RW; Chan, HS; Zechiedrich, L	The why and how of DNA unlinking	NUCLEIC ACIDS RESEARCH	2009	37	661-671

Wang, CY; Lu, XC; Liao, HM; Qi, OY; Wang, HL	Defect development in a three-dimensional reaction-diffusion system with gradient	PHYSICAL REVIEW E	2009	79	
Wang, XK; Xia, CJ; Zhang, ZH; Den, XL; Wei, SC; Zheng, G; Chen, HF	Direct Growth of Human Enamel-Like Calcium Phosphate Microstructures on Human Tooth	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	2009	9	1361-1364
Yang, XJ; Liu, XL; Lou, CB; Qi, OY	Dynamics of DNA in vitro evolution	PROGRESS IN NATURAL SCIENCE	2009	19	137-144
Qiao, C; Wang, HL; Ouyang, Q	Defect-mediated turbulence in the Belousov-Zhabotinsky reaction	PHYSICAL REVIEW E	2009	79	
Yang, XJ; Liu, XL; Lou, CB; Chen, JG; Qi, OY	A Case Study of the Dynamics of In Vitro DNA Evolution Under Constant Selection Pressure	JOURNAL OF MOLECULAR EVOLUTION	2009	68	14-27
Kechris, K; Li, H	c-REDUCE: Incorporating sequence conservation to detect motifs that correlate with expression	BMC BIOINFORMATICS	2008	9	
Zheng, WF; Wang, LJ; Hong, YK; Sha, YL	PrP106-126 peptide disrupts lipid membranes: Influence of C-terminal amidation	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	2009	379	298-303
Duan, SJ; Wan, L; Fu, WJJ; Pan, H; Ding, Q; Chen, C; Han, PW; Zhu, XY; Du, LY; Liu, HX; Chen, YX; Liu, XM; Yan, XT; Deng, MH; Qian, MP	Nonlinear cooperation of p53-ING1-induced bax expression and protein S-nitrosylation in GSNO-induced thymocyte apoptosis: a quantitative approach with cross-platform validation	APOPTOSIS	2009	14	236-245
Jiao, LY; Xian, XJ; Wu, ZY; Zhang, J; Liu, ZF	Selective Positioning and Integration of Individual Single-Walled Carbon Nanotubes	NANO LETTERS	2009	9	205-209
Feng, HQ; Sun, P; Chai, YF; Tong, GH; Zhang, J; Zhu, WD; Fang, J	The Interaction of a Direct-Current Cold Atmospheric-Pressure Air Plasma With Bacteria	IEEE TRANSACTIONS ON PLASMA SCIENCE	2009	37	121-127
Zhu, XL; Lai, LH	A Novel Method for Enzyme Design	JOURNAL OF COMPUTATIONAL CHEMISTRY	2009	30	256-267
Gu, XN; Zheng, YF; Cheng, Y; Zhong, SP; Xi, TF	In vitro corrosion and biocompatibility of binary magnesium alloys	BIOMATERIALS	2009	30	484-498
Wei, DG; Jiang, XL; Zhou, L; Chen, J; Chen, Z; He, C; Yang, K; Liu, Y; Pei, JF; Lai, LH	Discovery of Multitarget Inhibitors by Combining Molecular Docking with Common Pharmacophore Matching	JOURNAL OF MEDICINAL CHEMISTRY	2008	51	7882-7888
Hu, GQ; Zheng, XB; Zhu, HQ; She, ZS	Prediction of translation initiation site for microbial genomes with TritISA	BIOINFORMATICS	2009	25	123-125
Gu, XN; Zheng, YF; Lan, QX; Cheng, Y; Zhang, ZX; Xi, TF; Zhang, DY	Surface modification of an Mg-1Ca alloy to slow down its biocorrosion by chitosan	BIOMEDICAL MATERIALS	2009	4	
Lv, DJ; Guo, XM; Wang, XY; Zhang, J; Fang, J	Computerized Characterization of Prostate Cancer by Fractal Analysis in MR Images	JOURNAL OF MAGNETIC RESONANCE IMAGING	2009	30	161-168
Qin, JG; Han, SH	Neurocognitive mechanisms underlying identification of environmental risks	NEUROPSYCHOLOGIA	2009	47	397-405

Huang, W; Tan, JG; Kan, HD; Zhao, N; Song, WM; Song, GX; Chen, GH; Jiang, LL; Jiang, C; Chen, RJ; Chen, BH	Visibility, air quality and daily mortality in Shanghai, China	SCIENCE OF THE TOTAL ENVIRONMENT	2009	407	3295-3300
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