

## 2010 年度用户科技论文汇总目录

序号	文章题目	期刊名称	作者
1.	Luminescence properties of NaGd(PO <sub>3</sub> ) <sub>4</sub> :Eu <sup>3+</sup> and energy transfer from Gd <sup>3+</sup> to Eu <sup>3+</sup>	Appl. Phys. B, 98, 2010, 139-147	J. Zhong
2.	Morphologies of GdBO <sub>3</sub> :Eu <sup>3+</sup> one-dimensional nanomaterials	J. Alloy. Compd., 489, 2010, L9-L12	Z. Yang
3.	ATP-induced noncooperative thermal unfolding of hen lysozyme	Biochem. Bioph. Res. Co., 397, 2010, 598-602	H. L. Liu
4.	Effect of Li <sup>+</sup> ions doping on structure and luminescence of (Y,Gd)BO <sub>3</sub> :Tb <sup>3+</sup>	J. Rare Earth., 28, 2010, 701	H. B. Xu
5.	PDP用(Y, Gd)BO <sub>3</sub> :Tb <sup>3+</sup> 绿色荧光粉的合成及性能研究	稀有金属, 34(6), 2010, 887-892	H. B. Xu
6.	Synchrotron radiation circular dichroism (SRCD) spectroscopy: an enhanced method for examining protein conformations and protein interactions	Biochem. Soc. Trans., 38, 2010, 861-73	B. A. Wallace
7.	Photon cascade emission of Gd <sup>3+</sup> in Tm <sup>3+</sup> -doped and un-doped LiGd(PO <sub>3</sub> ) <sub>4</sub> under low-voltage electron beam and vacuum ultraviolet excitation	Appl. Phys. B, 100, 2010, 865-869	B. Han
8.	Vacuum Ultraviolet-Visible Spectroscopic Properties of Tb <sup>3+</sup> in Li(Y, Gd)(PO <sub>3</sub> ) <sub>4</sub> : Tunable Emission, Quantum Cutting, and Energy Transfer	J. Phys. Chem. C, 114, 2010, 6770-6777	B. Han
9.	Red Emission of Ca <sub>6</sub> Gd <sub>1.97</sub> Eu <sub>0.03</sub> Na <sub>2</sub> PO <sub>4</sub> ...6F <sub>2</sub> with Suitable Chromaticity Coordinates under VUV Excitation	Electrochem. Solid St., 13(12), 2010, J140-J142	M.B. Xie
10.	Improving the BAM VUV-Irradiation Degradation with a UV-Blue Emitting Phosphor CLPF-Tm	J. Electrochem. Soc., 157(11), 2010, J401-J404	M.B. Xie
11.	The Quantum Cutting of Tb <sup>3+</sup> in Ca <sub>6</sub> Ln <sub>2</sub> Na <sub>2</sub> (PO <sub>4</sub> ) <sub>6</sub> F <sub>2</sub> (Ln = Gd, La) under VUV-UV Excitation: with and without Gd <sup>3+</sup>	Inorg. Chem., 49, 2010, 11317-11324	M.B. Xie
12.	Luminescence of Ce <sup>3+</sup> at two different sites in -Sr <sub>2</sub> P <sub>2</sub> O <sub>7</sub> under vacuum ultraviolet-UV and x-ray excitation	J. Appl. Phys., 108, 2010, 083527	D.J. Hou
13.	Fabrication and photoluminescence characteristic of Pr:LuAG scintillator ceramics	Radiat. Meas., 45, 2010, 457-460	Y. Shi

14.	Spectroscopic parameters of Ce <sup>3+</sup> ion doped Na <sub>2</sub> CaMg(PO <sub>4</sub> ) <sub>2</sub> phosphor	J. Alloy. Compd., 500, 2010, 134-137	J. Lü
15.	Luminescence of Ce <sup>3+</sup> Ion Doped in SrZn <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> Phosphor under Excitation of Vacuum Ultraviolet1	Inorg. Mater+, 46 (9), 2010, 983-987	Y.G. Cao
16.	Synthesis and Luminescent Properties of Eu <sup>3+</sup> -Doped NaCaPO <sub>4</sub> Nano-Particles Under VUV–UV Excitation	J. Nanosci. Nanotechno., 10 (2010) 2223-2227	Y.G. Cao
17.	UV–VUV-excited photoluminescence of Tm <sup>3+</sup> substituted b-rhenanite as a blue-emitting phosphor	J. Lumin., 130, 2010, 1225-1229	Z.L. Ye
18.	Photoluminescence Properties of Na <sub>2</sub> GdF <sub>2</sub> PO <sub>4</sub> :Re (Re = Eu <sup>3+</sup> and Tb <sup>3+</sup> ) under VUV-UV Excitation	J. Electrochem. Soc., 157 (6), 2010, J233-J237	D.Y. Wang
19.	Luminescent metastable Y <sub>2</sub> WO <sub>6</sub> :Ln <sup>3+</sup> (Ln = Eu, Er, Sm, and Dy) microspheres with controllable morphology via a self-assembly	J. Mater. Chem., 20, 2010, 10894-10900	J. Wang
20.	Visible Quantum Cutting in Tb <sup>3+</sup> -Doped BaGdB <sub>9</sub> O <sub>16</sub> via Downconversion	J. Electrochem. Soc., 157 (8), 2010, J293-J296	H.J. Zhang
21.	Effects of V/III ratio on species diffusion anisotropy in the MOCVD growth of non-polar <i>a</i> -plane GaN films	Chin. Phys. B, 19, 2010, 018101	L.B. Zhao
22.	Anisotropic defect reduction in non-polar a-plane GaN grown by hydride vapor phase epitaxy on maskless patterned templates	Appl. Surf. Sci., 256, 2010, 2236-2240	L.B. Zhao
23.	Strain effects on In <sub>x</sub> Al <sub>1-x</sub> crystalline quality grown on GaN templates by metalorganic chemical vapor deposition	J. Appl. Phys., 107, 2010, 043515	Z. L. Miao
24.	Observation of lateral long range order in superconducting FeTe thin films	Chin. Phys. B, 19, 2010, 087403	W.Y. Li
25.	The growth of ZnO on bcc-In <sub>2</sub> O <sub>3</sub> buffer layers and the valence band offset determined by X-ray photoemission spectroscopy	Solid State Commun., 150, 2010, 1991-1994	H.P. Song
26.	Measurement of w-InN/h-BN Heterojunction Band Offsets by X-Ray Photoemission Spectroscopy	Nanoscale Res. Lett., 5, 2010, 1340-1343	J. M. Liu
27.	The role of zinc dopant and the temperature effect on the controlled growth of InN nanorods in metal–organic chemical vapor deposition system	CrystEngComm, 12, 2010, 3936-3941	H.P. Song
28.	Cathodoluminescence study on in composition inhomogeneity of thick InGaN layer	Thin Solid Films, 518, 2010, 5028-5031	H. Wang
29.	Investigation on the strain relaxation of InGaN layer	Physica B, 405, 2010,	H. Wang

	and its effects on the InGaN structural and optical properties	4668-4672	
30.	An experimental study about the influence of well thickness on the electroluminescence of InGaN/GaN multiple quantum wells	J. Alloy. Compd., 489, 2010, 461-464	D.G. Zhao
31.	Studies on strain relaxation and in-plane orientation of La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> film by grazing incidence X-ray diffraction	J. Alloy. Compd., 491, 2010, 545-549	W.S. Tan
32.	Study on the evolution of surface morphology of hetero-epitaxy growth of ZnO thin film	Materials Science Forum, 663-665, 2010, 1205-1208	J.Z. Xiao
33.	A method of material design for systematic absence of X-ray diffraction	Powder Diffr. Suppl., 25 (S1), 2010, S48-51	H.H. Wang
34.	Direct preparation and microstructure investigation of p-type transparent conducting Ga-doped SnO <sub>2</sub> thin films	Powder Diffr., 25, 2010, S3-S39	T.Y. Yang
35.	Preparation and application in p-n homojunction diode of p-type transparent conducting Ga-doped SnO <sub>2</sub> thin films	Thin Solid Films, 518, 2010, 5542-55	T.Y. Yang
36.	高分子有机场效应晶体管中半导体薄膜结晶行为及微观结构变化的研究	物理学报, 60 (2), 2010, 020000	X.Y. Tian
37.	同步辐射aT法分析温室油菜中微量元素的分布	光谱学与光谱分析	S.Z. Xin
38.	阿尔泰大东沟铅锌矿的碳质流体及其成因	岩石矿物学杂志, 29 (2), 2010, 175-188	H.X. Chu
39.	Temporal variation of groundwater As in shallow groundwater from the Hetao Basin, Inner Mongolia.	As2010	H.M. Guo
40.	Pressure-Induced Phase Transition in Hydrogen-Bonded Supramolecular Structure: Guanidinium Nitrate	J. Phys. Chem. B, 114, 2010, 6765-6769	R. Wang
41.	Valence change of europium in EuFe <sub>2</sub> As <sub>1.4</sub> P <sub>0.6</sub> and compressed EuFe <sub>2</sub> As <sub>2</sub> and its relation to superconductivity	Phys. Rev. B, 82, 2010, 134509	L.L. Sun
42.	Pressure-induced competition between superconductivity and Kondo effect in CeFeAsO <sub>1-x</sub> F <sub>x</sub> (x = 0.16 and 0.3)	EPL-Europhys. Lett., 91, 2010, 57008	L.L. Sun
43.	Large volume collapse observed in the phase transition in cubic PbCrO <sub>3</sub> perovskite	P. Natl. Acad. Sci. USA, 107, 2010, 14026-14029	W.S. Xiao
44.	Exploring Intertrimer Cu 3 3 3 Cu Interactions and Further Phosphorescent Properties of Aryl Trimer Copper(I) Pyrazolates via Substituent Changing and	Inorg. Chem., 49, 2010, 1658-1666	F.B. Gong

	External Pressure		
45.	Structural stability of Zn <sub>3</sub> N <sub>2</sub> under high pressure	Physica B, 405, 2010, 1836-1838	J.G. Zhao
46.	Structure transition of multiferroic hexagonal TmMnO <sub>3</sub> compound under high pressure	High Pressure Res., 30, 2010, 258-264	L.J. Wang
47.	Structural stability of multiferroic BiFeO <sub>3</sub>	High Pressure Res., 30, 2010, 265-272	J.L. Zhu
48.	Pressure-Induced Amorphization and Polyamorphism in One-Dimensional Single-Crystal TiO <sub>2</sub> Nanomaterials	J. Chem. Phys., 1(1), 2010, 309-314	Q.J. Li
49.	含CuZr 相Zr <sub>49</sub> Cu <sub>44</sub> Al <sub>7</sub> 块体非晶合金复合材料高压下的稳定结构	科学通报, 55, 2010, 3489-3492	G. Li
50.	Structural stability and Raman scattering of InN nanowires under high pressure	J. Mater. Res., 25(2), 2010, 2330-2335	L.D. Yao
51.	Equation of State and Elastic Constants of Compressed fcc Cu	Chin. Phys. Lett., 27(3), 2010, 036403	L.G. Bai
52.	Pressure-induced phase transition in cubic Lu <sub>2</sub> O <sub>3</sub>	J. Appl. Phys., 108, 2010, 083541	S. Jiang
53.	Equation of State of Tantalum up to 133GPa	Chin. Phys. Lett., 27 (1), 2010, 016402	L.Y. Tang
54.	A simple external resistance heating diamond anvil cell and its application for synchrotron radiation x-ray diffraction	Rev. Sci. Instrum., 81 2010, 053903	D.W. Fan
55.	Phase Relations and Pressure-Volume-Temperature Equation of State of Galena	Chin. Phys. Lett. 27 (8), 2010, 086401	D.W. Fan
56.	Phase Transition Behavior of LiCr <sub>0.35</sub> Mn <sub>0.65</sub> O <sub>2</sub> under High Pressure by Electrical Conductivity Measurement	Chin. Phys. Lett. 27 (3), 2010, 036402	X.Y. Cui
57.	Experimental determinations of the high-pressure crystal structures of Ca <sub>3</sub> N <sub>2</sub>	J. Phys. Chem. C, 114 (39), 2010, 16750-16755	J. Hao
58.	High-pressure radial X-ray diffraction study of osmium to 58 GPa	Eur. Phys. J. B, 73, 2010, 321	H. Chen
59.	石墨C <sub>3</sub> N <sub>4</sub> 压致结构相变研究	高压物理学报, 24 (1), 2010, 67	X.F. Li
60.	纳米二氧化铈的高压拉曼光谱研究	光散射学报, 22 (3), 2010, 259-262	D.C. Zhang
61.	A sulfur K-edge XANES study on the transfer of sulfur species in the reactive adsorption desulfurization of diesel oil over Ni/ZnO	Catal. Commun., 11, 2010, 592-596	L.C. Huang

62.	Effect of activated carbon on chalcopyrite bioleaching with extreme thermophile <i>Acidianus manzaensis</i>	Hydrometallurgy, 105, 2010, 179-185	C.L. Liang
63.	Investigation of the sulfur speciation during chalcopyrite leaching by moderate thermophile <i>Sulfobacillus thermosulfidooxidans</i>	Int. J. Miner. Process, 94, 2010, 52-57	J.L. Xia
64.	Surface analysis of sulfur speciation on pyrite bioleached by extreme thermophile <i>Acidianus manzaensis</i> using Raman and XANES spectroscopy	Hydrometallurgy, 100, 2010, 129-135	J.L. Xia
65.	Sulfur Species Investigation in Extra- and Intracellular Sulfur Globules of <i>Acidithiobacillus ferrooxidans</i> and <i>Acidithiobacillus caldus</i>	Geomicrobiol. J., 27, 2010, 707-713	H. He
66.	Speciation and biochemical transformations of sulfur and copper in rice rhizosphere and bulk soil-XANES evidence of sulfur and copper associations	J. Soil. Sediment., 10, 2010, 907-914	H.R. Lin
67.	Effects of lead upon the actions of sulfate-reducing bacteria in the rice rhizosphere	Soil Biol. Biochem., 42, 2010, 1038-1044	H.R. Lin
68.	同步辐射软X射线光学实验平台的建立及其应用	中国激光, 37 (9), 2010	M.Q. Cui
69.	同步辐射中能X射线近边吸收谱方法研究不同施肥制度对土壤中硫形态的影响	核技术, 33 (01), 2010, 5-9	L.J. Liu
70.	X-ray polarization measurement of the Beamline 4B7 of Beijing synchrotron radiation facility using a PET crystal	Nucl. Instrum. Meth. A, 615, 2010, 100-104	J.M. Yang
71.	Optical homogeneity of ADP crystals from rapid growth	Chinese Sci. Bull., 55 (4-5), 2010, 378-381	D.G. Zhong
72.	Synchrotron X-ray diffraction studies of large sapphire crystal grown by Kyropoulos-like method	Phys. Status Solidi A, 207 (1), 2010, 92-96	G.G. Wang
73.	BSRF-4W1A纳米成像光束线调试	核技术, 33 (10), 2010, 721	Q.X. Yuan
74.	Progress of diffraction enhanced imaging at the Beijing Synchrotron Radiation Facility	Anal. Bioanal. Chem., 397, 2010, 2067-2078	K. Zhang
75.	Diffraction Enhanced X-ray Imaging of Various Mouse Organs	Am. J. Roentgenol., 195 (3), 2010, 545-9	X. Zhang
76.	Comparison of diffraction enhanced imaging and in-line outline X-ray imaging with synchrotron radiation for mouse kidney	Chin. J. Med. Imaging Technol., 26 (11), 2010, 5-7	Y.F. Peng
77.	X射线长组合折射透镜的理论和实验研究	光学学报, 30, 2010, 2696-2702	Z.C. Yue

78.	抛物面型X射线组合折射透镜聚焦性能的理论实验研究	物理学报59 (3), 2010, 1971	Z.C. Yue
79.	同步辐射相位衬度成像医学应用初探	物理学和高新技术物理, 39 (11), 2010, 765	S.L. Chen
80.	辽宁与南非天然金刚石同步辐射形貌的比较研究	矿物学报, 30 (2), 2010, 168	W.L. Yu
81.	<i>In situ</i> study on dendrite growth of metallic alloy by a synchrotron radiation imaging technology	Science China Technological Sciences, 53 (5), 2010, 1278-1284	T.M. Wang
82.	Sn-Pb 合金枝晶生长的同步辐射X射线衍射增强成像研究	核技术, 33 (6), 2010, 443-446	T.M. Wang
83.	金属合金枝晶生长同步辐射X射线实时成像观察	中国科学: 技术科学, 40 (10), 2010, 1214-1220	T.M. Wang
84.	X-ray diffraction enhanced imaging study of intraocular tumors in human beings	Chinese Phys. C, 34 (2), 2010, 237-243	G. Tan
85.	Crystal Structure and Computational Analyses Provide Insights into the Catalytic Mechanism of 2,4-Diacetylphloroglucinol Hydrolase PhlG from <i>Pseudomonas fluorescens</i>	J. Biol. Chem., 285 (7), 2010, 4603-4611	Y.X. He
86.	Crystal structures of the apo and GDP-bound forms of a cupin-like protein BbDUF985 from <i>Branchiostoma belcheri tsingtauense</i>	Proteins, 78 (12), 2010, 2714-2719	Y. Du
87.	Crystal structures of a novel anti-HIV mannose-binding lectin from <i>Polygonatum cyrtoneuma</i> Hua with unique ligand-binding property and super-structure	J. Struct. Biol., 171, 2010, 309-317	J.J. Ding
88.	Crystal Structures of a <i>Populus tomentosa</i> 4-Coumarate:CoA Ligase Shed Light on Its Enzymatic Mechanisms	Plant Cell, 22, 2010, 3093-3104	Y.L. Hu
89.	Crystallization and preliminary X-ray crystallographic studies of human FAIM protein	Acta Cryst., F66, 2010, 935-937	G.M. Li,
90.	Crystallization and preliminary X-ray crystallographic analysis of human PACSIN 1 protein	Acta Cryst., F66, 2010, 73-75	X.Y. Bai
91.	Structural basis for tandem L27 domain-mediated polymerization	FASEB J., 24(12), 2010, 4806-15	X. Yang
92.	Structural insight into unique properties of protoporphyrinogen oxidase from <i>Bacillus subtilis</i>	J. Struct. Biol., 170, 2010, 76-82	X. H. Qin
93.	Crystallization and preliminary crystallographic	Acta Cryst., F66, 2010,	G.J.

	analysis of a calcineurin B-like protein 1 (CBL1) mutant from <i>Ammopiptanthus mongolicus</i>	1602-1605	Shang
94.	The crystal structure of the human nascent polypeptide-associated complex domain reveals a nucleic acid-binding region on the NACA subunit.	Biochemistry, 49 (13), 2010, 2890-6	Y. Liu
95.	Structural and functional comparison of MIF ortholog from <i>Plasmodium yoelii</i> with MIF from its rodent host.	Mol.Immunol., 47, 2010, 726-737	D. Shao
96.	Structural analysis of Rtt106p reveals a DNA binding role required for heterochromatin silencing.	J.Biol.Chem., 285, 2010, 4251-4262	Y. Liu
97.	MAGE-RING Protein Complexes Comprise a Family of E3 Ubiquitin Ligases	Mol. Cell, 39, 2010, 963-974	J. M. Doyle
98.	Structure of orotate phosphoribosyltransferase from the caries pathogen <i>Streptococcus mutans</i>	Acta Cryst., F66, 2010, 498-502	C.P. Liu
99.	Phase Transition in Salt-Free Catanionic Surfactant Mixtures Induced by Temperature	Langmuir, 26 (1), 2010, 34-40	H.G. Li
100.	CO <sub>2</sub> -controlled reactors: epoxidation in emulsions with droplet size from micron to nanometre scale	Green Chem., 12, 2010, 452-457	Y. J. Zhao
101.	Cylindrical-to-Spherical Shape Transformation of Lecithin Reverse Micelles Induced by CO <sub>2</sub>	Langmuir, 26 (7), 2010, 4581-4585	Y. J. Zhao
102.	CO <sub>2</sub> -responsive TX-100 emulsion for selective synthesis of 1D or 3D gold	Soft Matter, 6, 2010, 6200-6205	J. L. Zhang
103.	Small-Angle X-Ray Scattering Study on Nanostructures of Polyimide Films	Chin. Phys. Lett., 27 (9), 2010, 096103	X. X. Liu
104.	Structural change of Ni-Cu alloy nanowires with temperature studied by in situ X-ray absorption fine structure technique	Mater. Chem. Phys., 121, 2010, 390-394	G. Mo
105.	Synchrotron Investigation on Mesomorphic Structure of sPP and Poly (ethylene-co-octene) in Their Initial Crystallization Stage	Chinese J. Polym. Sci., 28 (5), 2010, 745751	R. Cheng
106.	间规1, 2-聚丁二烯结晶结构研究	高分子学报, 8, 2010, 1030-1034	J.T. Zhang
107.	硅酸盐熔体团粒结构类声子振动的高温拉曼光谱研究	光谱学与光谱分析, 30 (5), 2010, 1261-1265	P.C. Xu
108.	Nonsynchronicity Phenomenon Observed during the Lamellar-Micellar Phase Transitions of 1-Stearoyllysophosphatidylcholine Dispersed in Water	J. Phys. Chem. B, 114, 2010, 2158-2164	F. G. Wu
109.	Structural evolution of melt-drawn transparent	Eur. Polym. J., 46, 2010,	Z.Y. Jiang

	high-density polyethylene during heating and annealing: Synchrotron small-angle X-ray scattering study	1866-1877	
110.	Phase Behavior and Rheological Properties of Salt-Free Catanionic Surfactant Mixtures in the Presence of Bile Acids	J. Phys. Chem. B, 114, 2010, 9795-9804	C. C. Liu
111.	Temperature-Induced Interfacial Change in Au@SiO <sub>2</sub> Core-Shell Nanoparticles Detected by Extended X-ray Absorption Fine Structure	J. Phys. Chem. C, 114, 2010, 41-49	K.H. Zhang
112.	Real-time SAXS and ultraviolet-visible spectral studies on size and shape evolution of gold nanoparticles in aqueous solution	Eur. Phys. J. B, 76, 2010, 301-307	W. Wang
113.	EXAFS and SAXS studies of ZrCo alloy doped with Hf, Sc and Ti atoms	Int. J. Hydrogen Energ., 35, 2010, 2931-2935	Y. Qi
114.	Synchrotron EXAFS and XRD studies of Ti-V-Cr hydrogen absorbing alloy	Int. J. Hydrogen Energ., 35, 2010, 2915-2920	C. B. Wan
115.	Study of bimetallic interactions and promoter effects of FeZn, FeMn and FeCr Fischer-Tropsch synthesis catalysts	J. Mol. Catal. A-Chem., 326, 2010, 29-40	H.L Wang
116.	XAFS studies of the configuration of the L-Histidine with Mn <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> , Cu <sup>2+</sup> , Zn <sup>2+</sup> at pH6.0	Nucl. Instrum. Meth. A, 619, 2010, 408-410	M.J. Yu
117.	Arsenic Trioxide Controls the Fate of the PML-RARα Oncoprotein by Directly Binding PML	Science, 328, 2010, 240-243	X.W Zhang
118.	Local structure of vanadium in doped LiFePO <sub>4</sub>	J. Synchrotron Radiat., 17, 2010, 584-589	T. Zhao
119.	XAS study of LiFePO <sub>4</sub> synthesized by solid state reactions and hydrothermal method	Nucl. Instrum. Meth. A, 619, 2010, 122-127	T. Zhao
120.	The remarkable effect of vanadium doping on the adsorption and catalytic activity of magnetite in the decolorization of methylene blue	Appl. Catal. B-Environ., 97, 2010, 151-159	X.L. Liang
121.	The decolorization of Acid Orange II in non-homogeneous Fenton reaction catalyzed by natural vanadium-titanium magnetite	J. Hazard. Mater., 181, 2010, 112-120	X.L. Liang
122.	In situ XAFS studies on the growth of ZnSe quantum dots	Nucl. Instrum. Meth. A, 619, 2010, 280-282	J.X. Song
123.	红绿彩瓷之釉上彩的XAFS研究	核技术, 33 (4), 2010, 246-252	L.H. Wang



124.	Metal Impurities Dominate the Sorption of a Commercially Available Carbon Nanotube for Pb(II) from Water	Environ. Sci. Technol., 44, 2010, 8144-8149	X.L. Tian
125.	Selective catalytic reduction of NO with NH <sub>3</sub> over iron titanate catalyst: Catalytic performance and characterization	Appl. Catal. B-Environ., 96, 2010, 408-420	F. D. Liu
126.	Mediating distribution of magnetic Co ions by Cr-codoping in (Co, Cr): ZnO thin films	Appl. Phys. Lett., 97, 2010, 042504	W. S. Yan
127.	Effect of metal ion on the structure and function of LiPDF: The study of the fine structure around the metal site using XANES	Nucl. Instrum. Meth. A, 619, 2010, 115-118	Y. Wang
128.	Potassium doping effect on the lattice softening and electronic structure of Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> probed by X-ray absorption spectroscopy	J. Synchrotron Radiat., 17, 2010, 730-736	J. Cheng
129.	改性介孔Al <sub>2</sub> O <sub>3</sub> 负载的高分散铜基催化剂的结构与催化性能	无机化学学报, 26 (2), 2010, 223-228	Y. F. Yu
130.	Fe-substituted nanometric La <sub>0.9</sub> K <sub>0.1</sub> Co <sub>1-x</sub> Fe <sub>x</sub> O <sub>3-1</sub> perovskite catalysts used for soot combustion, NO <sub>x</sub> storage and simultaneous catalytic removal of soot and NO <sub>x</sub>	Chem. Eng. J., 164, 2010, 98-105	Z. Q. Li
131.	改性介孔 Al <sub>2</sub> O <sub>3</sub> 负载锰基催化剂的结构及其催化氧化与抗硫性能	催化学报, 31 (1), 2010, 106-111	Z. Q. Zou
132.	Infrared Study of the NO Reduction by Hydrocarbons over Iron Sites with Low Nuclearity: Some New Insight into the Reaction Pathway	J. Phys. Chem. C, 114, 2010, 15713-15727	J. L. Long
133.	Hydrotalcite-Derived Mn <sub>x</sub> Mg <sub>3-x</sub> AlO Catalysts Used for Soot Combustion, NO <sub>x</sub> Storage and Simultaneous Soot-NO <sub>x</sub> Removal	Environ. Sci. Technol., 44, 2010, 4747-4752	Q. Li
134.	Fe <sub>x</sub> O <sub>y</sub> @C Spheres as an Excellent Catalyst for Fischer-Tropsch Synthesis	J. Am. Chem. Soc., 132, 2010, 935-937	G. B. Yu
135.	Effect of temperature on Hg-cysteine complexes in vermiculite and montmorillonite	Appl. Clay Sci., 50, 2010, 12-18	D. Malferrari
136.	Investigation of annealing-induced oxygen vacancies in the Co-doped ZnO system by Co K-edge XANES spectroscopy	J. Synchrotron Radiat., 17, 2010, 600-605	S. Zhang
137.	Valence band of catalyst doped sodium alanate by X-ray photoelectron spectroscopy using synchrotron	Int. J. Hydrogen Energ., 35,	C.B. Wan

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