

## 2012 年度用户科技论文汇总目录

序号	论文题目	第一作者	发表期刊名称, 卷, 页, 年
1.	冀北东坪金矿床深部-外围的构造-蚀变-流体成矿研究	G.R., Zhang	Acta Petrologica Sinica, 28(2), 637-651, 2012
2.	新疆阿尔泰可可托海 3 号伟晶岩脉绿柱石流体包裹体 SRXRF 研究	L.H., Lin	Acta Petrologica et Mineralogica, 31(4), 603-611, 2012
3.	Study of an archeological opaque red glass bead from China by XRD, XRF, and XANES	J., Zhu	X-ray spectrometry, 41, 363-366, 2012
4.	金刚石中微量元素的同步辐射 X 射线荧光分析	X.J., Lai	Geological Science and Technology Information, 31(4), 40-43, 2012.
5.	First evidence on different transportation modes of arsenic and phosphorus in arsenic hyperaccumulator <i>Pteris vittata</i>	M., Lei	Environmental Pollution, 161, 1-7, 2012
6.	XANES analysis of spectral properties and structures of arsenate adsorption on TiO <sub>2</sub> surfaces	G.Z., He	Journal of Synchrotron Radiation, 19,394-399, 2012
7.	Performance of K and Ni substituted La <sub>1-x</sub> K <sub>x</sub> Co <sub>1-y</sub> Ni <sub>y</sub> O <sub>3-d</sub> perovskite catalysts used for soot combustion, NO <sub>x</sub> storage and simultaneous NO <sub>x</sub> -soot removal	Z.Q., Li	Fuel, 93, 606-610, 2012
8.	Multifunctional hydrotalcite-derived K/MnMgAlO catalysts used for soot combustion, NO <sub>x</sub> storage and simultaneous soot-NO <sub>x</sub> removal	Q., Li	Chemical Engineering Journal, 184, 106-112, 2012
9.	Highly efficient multifunctional dually-substituted perovskite catalysts La <sub>1-x</sub> K <sub>x</sub> Co <sub>1-y</sub> Cu <sub>y</sub> O <sub>3-d</sub> used for soot combustion, NO <sub>x</sub> storage and simultaneous NO <sub>x</sub> -soot removal	Z.Q., Li	Applied Catalysis B: Environmental, 121-122, 65-74, 2012
10.	Performance of Ce substituted hydrotalcite-derived mixed oxide catalysts Co <sub>2.5</sub> Mg <sub>0.5</sub> Al <sub>1-x</sub> Ce <sub>x</sub> O used for soot combustion and simultaneous NO <sub>x</sub> -soot removal	F.F., Dai	Fuel Processing Technology, 104, 43-49, 2012
11.	Adsorption of mercury on lignin: Combined surface complexation modeling and X-ray absorption spectroscopy studies	J.T., Lv	Environmental Pollution, 162:255-261, 2012

12.	Dissolution and Microstructural Transformation of ZnO Nanoparticles under the Influence of Phosphate	J.T., Lv	Environmental Science & Technology, 46 (3): 7215-7221, 2012
13.	Local structure of NiAl compounds investigated by extended X-ray absorption fine structure spectroscopy	J.S., Tian	J. Synchrotron Radiat., 19(4):503-507, 2012
14.	Ce-Ti amorphous oxides for selective catalytic reduction of NO with NH <sub>3</sub> : Confirmation of Ce-O-Ti active sites	P., Li	Environmental Science & Technology, 46, 9600-9605, 2012
15.	Heterogeneous UV/Fenton degradation of TBBPA catalyzed by titanomagnetite: Catalyst characterization, performance and degradation products	Y.H., Zhong	Water Research, 46, 4633-4644, 2012
16.	Room-temperature activation of methane over Zn modified H-ZSM-5 Zeolites: Insight from solid-state NMR and theoretical calculations.	J., Xu	Chem. Sci., 3, 2932-2940, 2012
17.	Biotransformation of ceria Nano particles in cucumber plants	P., Zhang	ACS Nano., 6(11):9943-50, 2012
18.	Characterization of Ni-rich hexagonal birnessite and its geochemical effects on aqueous Pb <sup>2+</sup> /Zn <sup>2+</sup> and As(III)	H., Yin	Geochimica et Cosmochimica Acta, 93: 47-62, 2012
19.	Improving the Solubility of Mn and Suppressing the Oxygen Vacancy Density in Zn <sub>0.98</sub> Mn <sub>0.02</sub> O Nanocrystals via Octylamine Treatment	Y., Cheng	ACS Applied Materials & Interfaces, 4, 4470-4475, 2012
20.	Implications of Mercury Speciation in Thiosulfate Treated Plants	J.X., Wang	Environmental Science & Technology, 46, 5361-5368, 2012
21.	Metal-insulator transition in V <sub>1-x</sub> W <sub>x</sub> O <sub>2</sub> , structural and electronic origin	C., Si	Physical Chemistry Chemical Physics, 14, 15021-15028, 2012
22.	Regulation of Magnetic Behavior and Electronic Configuration in Mn-Doped ZnO Nanorods through Surface Modifications	L,J., Zhang	Chemistry of Materials, 24, 1676-1681, 2012
23.	High-Tc ferromagnetism in a Co-doped ZnO system dominated by the formation of a zinc-blende type Co-rich ZnCoO phase	L,J., Zhang	Chem. Commun., 48, 91-93, 2012

24.	Investigation of nitrous oxide decomposition over highly active and stable bimetallic CoFe-MOR zeolite catalyst: effective removal and mechanism study	X.Y., Zhang	Catal. Sci. Technol., 2, 1059–1067, 2012
25.	Tuning ceria nanocrystals morphology and structure by copper doping	N., Qiu	Crystal growth & design, 12,629-634, 2012
26.	Uranium(VI) adsorption on graphene oxide nanosheets from aqueous solutions	Z.J., Li	Chem Eng. J., 210:539-546, 2012
27.	Coordination variation of hydrated Cu <sup>2+</sup> /Br <sup>1-</sup> ions traversing the interfacial water in mesopores	Q., Wang	AIP ADVANCES, 2, 02207, 2012
28.	Hexane-Driven Icosahedral to Cuboctahedral Structure Transformation of Gold Nanoclusters	Y.Y., Li	J. Am. Chem. Soc., 134, 17997–18003, 2012
29.	Identification of 13- and 14-Coordinated Structures of First Hydrated Shell of [AuCl <sub>4</sub> ] <sup>-</sup> Acid Aqueous Solution by Combination of MD and XANES	Q., Ye	J. Phys. Chem. B, 116, 7866–7873, 2012
30.	Modifying the Atomic and Electronic Structures of Gold Nanocrystals via Changing the Chain Length of n-Alkanethiol Ligands	Y., Jiang	J. Phys. Chem. C, 116 (47), 24999–25003, 2012
31.	Investigation of modification of hydrogenation and structure properties of multi-substituted LaNi <sub>5</sub> alloys	C.B., Wan	International Journal of Hydrogen energy, 37, 13234-13242, 2012
32.	Probing Nucleation Pathways for Morphological Manipulation of Platinum Nanocrystals	T., Yao	J. Am. Chem. Soc., 134, 9410–9416, 2012
33.	Bacterial reduction and release of adsorbed arsenate on Fe(III)-, Al- and coprecipitated Fe(III)/Al-hydroxides	X.X., Zhang	Journal of Environmental Science, 24(3), 440-448, 2012
34.	Studies on late formation of 3D ordered macroporous materials through colloidal crystal templates	L.L., Yang	J. Porous Mat., 19:1023–1026, 2012
35.	tunable photonic performance of three-dimensional macroporous tungsten oxide	D.T., Ge	Optoelectronics and Advanced Materials, 6, (9-10), 793 – 796, 2012
36.	Nonaqueous lyotropic liquid-crystalline phases formed by Gemini surfactants in a protic ionic liquid	X.D., Wang	Langmuir, 28,2476-2484, 2012

37.	Effects of Structure Dissymmetry on Aggregation Behaviors of Quaternary Ammonium Gemini Surfactants in a Protic Ionic Liquid EAN	X.D., Wang	Langmuir, 28, 16547–16554, 2012
38.	Optimization of a three slit collimation system for a SAXS camera with a divergent beam	Z.H., Li	Journal of X-Ray Science and Technology, 20, 331–338, 2012
39.	Complex Structures of the Abscisic Acid Receptor PYL3/RCAR13 Reveal a Unique Regulatory Mechanism	X.L., Zhang	Structure, 20, 780–790, 2012
40.	Crystal and solution structures of methyltransferase RsmH provide basis for methylation of C1402 in 16S rRNA	Y., Wei & H., Zhang	Journal of Structural Biology, 179: 29–40, 2012
41.	A novel mesoporous material for uranium extraction, dihydroimidazole functionalized SBA-15	L.Y., Yuan	J. Mater. Chem., 22: 17019-17026, 2012
42.	A high efficient sorption of U(VI) from aqueous solution using amino-functionalized SBA-15	Y.L., Liu	J. Radioanal. Nucl. Chem., 292: 803-810, 2012
43.	The structural basis of the response regulator DrRRA from <i>Deinococcus radiodurans</i>	Y., Liu	Biochemical and Biophysical Research Communications, 417, 1206–1212, 2012
44.	Shear effects on crystallization behavior of poly(ethylene-co-octene) copolymers	H.Y., Wen	J Polym Res., 19:9801, 2012
45.	Nanosized poly(ethylene glycol) domains within reverse micelles formed in CO <sub>2</sub>	Z.M., Xue	Angew. Chem. Int. Ed., 51,12325-12329, 2012
46.	Ionic liquid-in-ionic liquid nanoemulsions	J.S., Li	Chem. Commun., 48, 10562-10564, 2012
47.	Stepwise Ordering of Imidazolium-Based Cationic Surfactants during the Cooling-Induced Crystallization	F.G., Wu	Langmuir, 28 (19): 7350–7359, 2012
48.	Crystallization from the micellar phase of imidazolium-based cationic surfactants	F.G., Wu	Journal of Colloid and Interface Science, 374(1): 197–205, 2012
49.	Reversible Lamellar Thickening Induced by Crystal Transition in Poly(butylene succinate)	G.M., Liu	Macromolecules, 45, 5487–5493, 2012
50.	Crystallization behavior of poly( $\epsilon$ -caprolactone) and poly( $\epsilon$ -caprolactone)/ LiClO <sub>4</sub> complexes from the melt	Y., Zhang,	CrystEngComm, 14, 7972–7980, 2012

51.	非晶态硅酸盐介观团粒结构模型及其参数	P.C., Xu	武汉大学学报(理学版), 58(3): 209-214, 2012
52.	Fluoroalkyl-grafted mesoporous silica antireflective films with enhanced stability in vacuum	J.H., Sun	Optics Letters, 37(19), 4095-4097, 2012
53.	Degradation behavior of ultra-high molecular weight polyethylene fibers under artificial accelerated weathering	C.S., Li	Polymer Testing 31, 938-943, 2012
54.	含铁骨架 Fe-Al-EU-1 分子筛的设计合成和晶化	D.H., Yang	Acta Phys. -Chim. Sin., 28 (3), 720-728, 2012
55.	Adsorption of Pb(II) from aqueous solution by a poly-elemental mesoporous adsorbent	X.W., Wu	Applied Surface Science, 258, 5516- 5521, 2012
56.	Local structure and p-d hybridization of Mn-doped In <sub>2</sub> O <sub>3</sub> films	Y.K., An	Journal of Physics D: Applied Physics, 45, 295304, 2012
57.	Investigation of microstructures and optical properties in Mn-doped SiC films	Y.K., An	Applied Surface Science, 258, 7070- 7074, 2012
58.	Facile One-step Synthesis of Ordered Mesoporous Carbons Doped with Nickel Particles	P., Li	International Journal of Electrochemical Science, 7, 4039 - 4046, 2012
59.	Preparation of highly-ordered mesoporous carbons by organic-organic self-assembly using the reverse amphiphilic triblock copolymer PPO-PEO-PPO with a long hydrophilic chain	P., Li	Microporous and Mesoporous Materials, 159, 81-86, 2012
60.	硼掺杂中孔炭的制备及电化学性能研究	X.L., Zhai	新型炭材料, 26, 211-216, 2012
61.	Soft nanoconfinement effects on the crystallization behavior of asymmetric poly(ethylene oxide)- <i>block</i> -poly( $\epsilon$ -caprolactone) diblock copolymers	F.F., Xue	Polymer International, 61(6), 909-917, 2012
62.	Real time synchrotron SAXS and WAXS investigations on temperature related deformation and transitions of b-iPP with uniaxial stretching	Z.W., Cai	Polymer, 53, 1593-1601, 2012
63.	Comparison of Silica Anti-Reflective Films Obtained via a Sol-Gel Process in the Presence of PEG or PVP	H., Tian	Acta Phys-Chim Sin., 28 (5), 1197-1205, 2012
64.	Multifunctional L 1 0 -Mn 1.5 Ga Films with Ultrahigh	L.J., Zhu	Advanced Materials, 24,