

Publications in 2008			
No.	Title	Journal	Author
1.	Electrochemical Synthesis of Highly Oriented Layered Zine Hydroxide With Intercalated p-Aminobenzoic Acid	J.Phys.Chem.C 2008,112,3800-3804	Li-li xing
2.	Analysis of mass transport mechanism in InGaN epitaxy on ridge shaped selective area growth GaN by metal organic chemical vapor deposition	<i>J APPL PHYS</i> 103,014908(2008)	H.Fang
3.	Strong surface diffusion mediated glancing-angle deposition growth, recrystallization and reorientation of tin nanorods	CHIN.PHYS.LETT Vol.25,No.1(2008) 234-237	H.H., Wang
4.	Effects of Copper, Lead, and Cadmium on the Sorption and Desorption of Atrazine onto and from Carbon Nanotubes	<i>ENVIRON SCI TECHNOL</i> ,2008, 42 (22), 8297-8302	Guang-Ca i Chen
5.	Modification of Hg complexes in layered silicates with temperature: an in situ XAS study	MICROPOR MESOPOR MAT 107, 128–133 (2008)	Daniele Malferrari
6.	Solution structure of human DESR1, a CSL zinc-binding protein	PROTEINS, 514–518 (2008)	Fangming Wu
7.	Synthesis and characterization of Zn _{1-x} Mn _x O nanowires	APPL PHYS LETT. 92, 162102 (2008)	Xiaomei zhang
8.	Mesoporous Co ₃ O ₄ -CeO ₂ and Pd/ Co ₃ O ₄ -CeO ₂ catalysts: Synthesis, characterization and mechanistic study of their catalytic properties for low-temperature CO oxidation	J CATAL 254 (2008) 310-324	J.Y., Luo
9.	A comparative study of Pt/Ba/Al ₂ O ₃ and Pt/Fe-Ba/Al ₂ O ₃ NSR catalysts: New insights into the interaction of Pt-Ba and the function of Fe	APPL CATAL B-ENVIRON 78(2008)38-52	J.Y., Luo
10.	An x-ray absorption spectroscopy investigation of speciation and biotransformation of copper in <i>Elsholtzia splendens</i>	PLANT SOIL (2008) 302:163-174	J.Y., Shi
11.	Mercury in human hair and blood samples from people living in Wanshan mercury mine area, Guizhou, China: An XAS study	J INORG BIOCHEM 102 (2008) 500–506	Y.F., Li
12.	Ordered clusters and free volume in a Zr–Ni metallic	APPL PHYS LETT	H.J., Liu

	glass	93, 011911 _2008	
13.	Chemical short-range order in Zr ₂ Ni amorphous alloy	PHYS LETT A 372 (2008) 3313–3317	H.J., Liu
14.	<i>Investigation of electronic conductivity and occupancy sites of doping Mo in LiFePO₄ by ab initio calculation and X-ray absorption spectroscopy</i>	J. Phys. Chem. C 112, 17450–17455 (2008)	Zhongli wang
15.	<i>The Structural Determination of an Endohedral Metallofullerene Gd@C₈₂ by XANES</i>	CHEM COMMUN, 474 - 476 (2008)	L., Liu
16.	Local structure investigation of the active site of the imidazolonepropionase from Bacillus subtilis by XANES spectroscopy and ab initio calculations	J SYNCHROTRON RADIAT. 15, 129-133 (2008)	F.F., Yang
17.	Lattice vibrational property in the transition-metal diboride ZrB ₂	SPECTROCHIM ACTA A 70/2 (2008) 466–470	W.S., Chu
18.	3D local structure around Zn in Kti11p as a representative Zn-(Cys) ₄ motif as obtained by MXAN	BIOCHEM BIOPH RES CO 374, 28-32 (2008)	M.J., Yu
19.	Electrochemical Properties of Mo-Doped LiFePO ₄ Cathode Material	Chinese Journal of Chemical Physics 24(8), 1498 (2008)	Y.,Chen
20.	Distribution in Internodal Cells of <i>Chara</i> and the Bonding States with the Cell Wall of Lanthanum	ACTA CHIM SINICA Vol.66,2008.No.14,17 40-1744	W.J., Jiang
21.	XANES Spectra of Ca、 Fe and Zn in Breast Tissues	Journal of Changchun University of Science and Technology (Natural Science Edition) , Vol.31 No.1, 2008	C.L., Liu
22.	Spatial Distribution of Acid Soils in the Huanjiang River Valley, Guangxi	ACTA GEOGRAPHICA SINICA, Vol.63,No.11 , 2008	L.X., Wang
23.	Structural and magnetic properties of Ni _{1-x} Fe _x O thin films synthesized by pulsed laser deposition	ACTA PHYS SIN Vol.57, No.9, 2008	W.X., Weng

24.	Arsenic Transformation and Volatilization during Incineration of the Hyperaccumulator <i>Pteris vittata</i> L	<i>ENVIRON SCI TECHNOL</i> , 2008, 42, 1479–1484	Xiu-lan yan
25.	Potential neurological lesion after nasal instillation of TiO ₂ Nanoparticles in the anatase and rutile crystal phases	<i>TOXICOL LETT</i> , 2008	J.X., Wang
26.	Difference of Toxicity and Accumulation of Methylated and Inorganic Arsenic in Arsenic-Hyperaccumulating and Hypertolerant Plants	<i>ENVIRON SCI TECHNOL</i> , 2008, 42, 5106–5111	Z.C., Huang
27.	Characterization of a confocal 3D micro x-ray fluorescence facility based on polycapillary x-ray optics and Kirkpatrick–Baez mirrors	<i>Spectrochimica Acta Part B</i> 2008	T.X., Sun
28.	Elemental depth profile of faux bamboo paint in Forbidden City studied by synchrotron radiation confocal μ -XRF	<i>X-RAY SPECTROM</i> 2008; 37: 595-598	X.J., Wei
29.	Simultaneous compartmentalization of lead and arsenic in co-hyperaccumulator <i>Viola principis</i> H. de Boiss.: An application of SRXRF microprobe	<i>Chemosphere</i> 72 (2008) 1491–1496	M., Lei
30.	Experiment investigation of La _{1-x} Sr _x MnO ₃ by high-resolution X-Ray emission and spin-polarized X-ray absorption spectroscopy	<i>SPECTROCHIM ACTA A</i> , 70/2, 462-465 (2008)	W., Hua
31.	Line scan micro XRF analysis of engobe of whiteware painted with red, green and yellow patterns	<i>Nuclear Techniques</i> , Vol.31, No.9 2008	Y.M., Yang
32.	SR-XRF studies of fluid inclusions from the Jiama and Nanmu deposits in the Gangdise copper-polymetallic metallogenic belt of Tibet	<i>ACTA PETROLOGICA ET MINERALOGICA</i> Vol. 27 , No. 3, 2008	Y., Lian
33.	Mouse blood vessel imaging by in-line X-ray phase-contrast imaging	<i>PHYS MED BIOL</i> 53(2008), 5735-5743	X., Zhang
34.	Synchrotron radiation topography study of temperature-induced phase transformation in unpoled 0.92Pb(Zn _{1/3} Nb _{2/3})O ₃ -0.08PbTiO ₃ crystals	<i>SOLID STATE COMMUN</i> , 148(2008)109-112	J.Z., Xiao
35.	Comparison of refraction information extraction	<i>OPT EXPRESS</i> 2008	C.H., Hu

	methods in diffraction enhanced imaging	Vol. 16, No. 21	
36.	Phase Retrieval in X-ray Imaging based on using Structured Illumination	PHYS REV A 78, 023817 (2008)	Y.J., Liu
37.	Phase retrieval from a single near-field diffraction pattern with a large Fresnel number	J OPT SOC AM A. A25, 2651-2658 (2008)	E.R., Li
38.	Investigation of misalignment in analyzer crystal based-CT and its effect	PHYS MED BIOL . 53 (2008) 5757–5766	K., Zhang
39.	X 射线相位衬度成像研究进展	International Journal of Biomedical Engineering 2008,31(1)	C.H., Hu
40.	The Study of Phase Information Extraction and Fusion Based on Diffraction Enhanced Imaging	Journal of Image and Graphics Vol 13, No 8,2008	C.H., Hu
41.	In vitro study of in-line holography with synchrotron radiation in kidney imaging	Chinese Journal of Medical Imaging Technology, 2008 Vol 24,No 10	Y.F., Peng
42.	Investigation of hepatic fibrosis with synchrotron X-ray diffraction enhanced imaging	Nuclear Techniques, Vol 31, No.2, 2008	H.,Li
43.	Phase-contrast Imaging of Breast Tissues	Journal of Hebei Polytechnic University (Natural Science Edition) Vol.30 No.2, 2008	C.L., Liu
44.	基于衍射增强的肝脏图像的信息分离与微细血管重建	PROGRESS IN NATURAL SCIENCE, 18(10), 2008	T., Zhao
45.	Microstructure evolution of aluminum powder during sintering	Chinese Journal of Materials research Vol.22 No.5 Oct 2008	F., Xu
46.	Theory and method of X-ray grating phase contrast imaging	ACTA PHYSICA SINICA, 57, 1576–1581 (2008)	B., Chen

47.	代数迭代重建算法在折射衬度 CT 中的应用	ACTA PHYS-CHIM SIN,Vol.57,No.6, 2008	K., Zhang
48.	Probing quantum confinement of single-Walled carbon nanotubes by resonant soft-x-ray emission spectroscopy	APPL PHYS LETT 023107, (2008)	J., Zhong
49.	The Strong MRI Relaxivity of Paramagnetic Nanoparticles	J PHYS CHEM B 2008, 112, 6288–6291	G.M.,Xing
50.	Light flux density threshold at which protein denaturation is induced by synchrotron radiation circular dichroism beamlines	J SYNCHROTRON RADIAT, ISSN 0909-0495	A. J. Miles
51.	First Results of the RAMBAS Experiment on Investigation of the Radiation Mechanism of Chiral Influence	Orig Life Evol B (2008) 38:155–163	V.I.BurK ov
52.	Results of the Second Stage of the Investigation of the Radiation Mechanism of Chiral Influence(RAMBAS-2 Experiment)	Orig Life Evol B (2008), 38:509-515	G.A.Guse v
53.	NaGd(PO ₃) ₄ :Tb ³⁺ -A new promising green phosphor for PDPs application	CHEM PHYS LETT 453(2008)192-196	Jiuping zhong
54.	Intensive emission of Dy ³⁺ in NaGd(PO ₃) ₄ for Hg-free lamps application	OPT EXPRESS 2008 Vol.16,No.10	Jiuping zhong
55.	Photon Cascade Emission of Gd ³⁺ in Na(Y,Gd)FPO ₄	J.Phys.chem.C 2008, 112, 12524-12529	Zifeng Tian
56.	Luminescent properties of YBa ₃ B ₉ O ₁₈ :Ce ³⁺ in vacuum ultraviolet-visible region	J PHYS D APPL PHYS, (2008)055410(7pp)	Bing han
57.	Detection of Trace Hg ²⁺ via Induced Circular Dichroism of DNA Wrapped Around Single-Walled Carbon Nanotubes	J AM CHEM SOC 2008, 130, 9190–9191	X.Y., Gao
58.	Vacuum Ultraviolet and Ultraviolet Spectroscopy of Tb ³⁺ and Eu ³⁺ Doped Na(Sr,Ba)PO ₄ Phosphate	JPN J APPL PHYS Vol.47,No.8,2008, 6364-6368	Y.L.,Huan g
59.	Infrared spectra and luminescence properties of (Y _x ,Gd _{0.95-x})BO ₃ :Eu _{0.05} ³⁺	J ALLOY COMPD 455 (2008) 280-284	Z.Y., Zhang

60.	VUV-UV luminescence of magnetoplumbite (Sr _{0.96-x} Ba _{0.04})Al _{12-y} Mg _y O ₁₉ :Tb _x	J LUMIN 128 (2008) 476-480	Z.Y., Zhang
61.	The relationships between crystal structure of alkaline earth metal hexagonal aluminate and 4f-5d transitions of Ce ³⁺ and Tb ³⁺ ions	J NON-CRYST SOLIDS 354(2008)1943-1947	Z.Y., Zhang
62.	The VUV Luminescence Properties and the Ce ³⁺ ▪ Tb ³⁺ Energy Transfer in the (Sr, Ba)Al ₁₂ O ₁₉	Spectroscopy and Spectral Analysis	Z.Y., Zhang
63.	Reversible phase transition from vesicles to lamellar network structures triggered by chain melting	Soft Matter, 4 (2008) 805	Yuwen shen
64.	Phase Behavior and Properties of Reverse Vesicles in Salt-Free Catanionic Surfactant Mixtures	Langmuir, 24(2008) 3150	Wenqing jiang
65.	One-step synthesis of hydrothermally stable mesoporous aluminosilicates with strong acidity	J. Solid State Chem., 181 (2008) 2401-2405	Dongjiang yang
66.	Polyvinyl-pyrrolidone/ZrO ₂ -based sol-gel films applied in highly reflective mirrors for inertial confinement fusion	J. Sol-Gel Sci. Technol., 47 (2008) 173-181	Liping liang
67.	Arrangement of cellulose microfibrils in the wheat straw cell wall	CARBOHYD POLYM, 72 (2008) 122-127	Hui yu
68.	Reversible Switching of Lamellar Liquid Crystals into Micellar Solutions using CO ₂	ANGEW CHEM INT EDIT. 2008, 47, 10119 -10123	J.L., Zhang
69.	Study of temperature dependence of crystallization transitions of a symmetric PEO-PCL diblock copolymer using simultaneous SAXS and WAXS measurements with synchrotron radiation	EUR PHYS J E (2008) DOI 10.1140/epje/12008-1 0385-4	S.C.,Jiang
70.	Effect of grain size on the properties of NiFe/PtMn bilayers	J PHYS D APPL PHYS, .41(2008)1650 03(7pp)	Y.K., An
71.	In situ synchrotron SAXS study of nanocrystallization in Zr ₆₅ Ni ₂₅ Ti ₁₀ metallic glass	Intermetallics 16 2008 10 -15	X,J., Liu
72.	Dye-templating nonsurfactant synthesis of mesoporous silica	MICROPOR MESOPOR MAT, 109 (2008) 335-341	Y., Xu

73.	Structural study on Ni nanowires in an anodic alumina membrane by using in situ heating extended x-ray absorption fine structure and x-ray diffraction techniques	J.Phys:Condens.Mat 20(2008)115205(7pp)	Q., Cai
74.	A furnace to 1200 K for in situ heating x-ray diffraction ,small angle x-ray scattering ,and x-ray absorption fine structure experiments	Review of scientific instruments 79,126101, (2008)	Q., Cai
75.	Thermal expansion behavior study of Co nanowire array with in situ x-ray diffraction and x-ray absorption fine structure techniques	APL 93, 171912 (2008)	G., Mo
76.	In situ SAXS study on size changes of platinum nanoparticles with temperature	Eur. Phys. J. B 65, 57–64 (2008)	W., Wang
77.	In-Situ Heating Study on the Structural Change of Surfactant-Templated Germanium Oxide Mesostructure	J.Phys.Chem.B 2008,112,12297-1230 3	X.,Chen
78.	Formation of Ge-S Bonds from AOT-Coated GeO ₂ Nanoparticles at High Temperature:An in Situ Heating EXAFS Investigation	Chem.Mater.2008,20, 2757-2762	X.,Chen
79.	Microscopic defects in Ti-Mo alloy hydrides studied by small angle X-ray scattering	ACTA PHYS SIN-CH ED Vol.57,No.9,Sep 2008	X.M.,Du
80.	SAXS and XRD studies on the microstructure of TiO ₂ nanoparticles	Acta Physica Sinica, Vol.57,No.9, 2008	Z.J.,Chen
81.	Influence of Addition of Erbium on Microstructure and Crystallization Behaviour of Al-Ni-Y Amorphous Alloy	JOURNAL OF THE CHINESE RARE EARTH SOCIETY 2008, Vol.26 NO 4	B.,Niu
82.	Synthesis of mesoporous aluminosilicate with fly ash	Journal of the Chinese Ceramic Society, 36(2) 2008	X.W., Wu
83.	The Effect of Al Content on the Pore Diameters of the Mesoporous Molecular Sieves Synthesized with Microcline as Starting Material	BULLETIN OF THE CHINESE CERAMIC SOCIETY, Vol 27 No 5, 2008	Y.R., Zhang
84.	SAXS 方法的发展	Journal of Chongqing Institute of	Z.H.,Li

		Technology,2008	
85.	Age-related elemental change in bones	NUCL INSTRUM METH B, 266(2008)1619-1622	C.Wang
86.	The tribological chemistry of polysulfides in mineral oil and synthetic diester	APPL SURF SCI, 254(2008)7232-7236	J., Li
87.	Dysprosium compounds studied by resonant inelastic X-ray scattering and high-resolution X-ray absorption near edge structure spectroscopy	SPECTROCHIM ACTA A 71 (2008) 516–522	K.J., Zhou
88.	Soft X-Ray Magneto-optical Faraday Effect around Ni M _{2,3} Edges	CHINESE PHYS LETT. Vol. 25, No. 3 (2008) 1110	K., Chen
89.	Transmission measurement of photo-absorption cross section of aluminum in soft X-ray region of 50 to 250 eV	Chinese Physics C Vol. 32, No. 8, Aug., 2008	K., Chen
90.	Developing XBPM System for BSRF-3B3 Beamline	OPTO-ELECTRONI C ENGINEERING Vol.35,No.6, 2008	J., Zhao
91.	Soft X-ray magneto-optical Faraday rotation measurements with the multilayer polarizer	ACTA PHYSICS SINICA Vol.57,No.5, 2008	F.,Yan
92.	X-ray absorption near-edge structure spectroscopy research on electronic structures and magnetic properties of (Fe _{1-x} Ni _x) ₂ P	ACTA PHYSICS SINICA VOL.57,No.6,2008	C.Y., Ma
93.	XAS Research and experimental setup design for BSRF- 3B3 Beamline	Nuclear Techniques Vol.31,No.6 June 2008	C.Y., Ma
94.	Layer thickness measurement of super thin films	High Power Laser and Particle Beams Vol.20,No.2, 2008	K., Chen
95.	High pressure structural and elastic properties of NiO up to 67 GPa	J APPL PHYS 104.113521(2008)	L., Liu
96.	Preparation of Zr ₆₀ Ni ₂₁ Al ₁₉ bulk metallic glass and compression behavior under high pressure	J MATER RES 23 (7) (2008) 2346-2349	G, Li

97.	Difference in microstructure of $Zr_{41}Ti_{14}Cu_{12.5}Ni_{10}Be_{22.5}$ glasses prepared in a 52 m drop tube and by water quenching	PHILOS MAG (2008) 543-551	G, Li
98.	Pressure-Induced Phase Transitions on a Liquid Crystalline Europium(III)Complex	J PHYS CHEM B 2008,112,5291-5295	Y.T.,Yang
99.	Photoacoustic and Fluorescence Spectroscopy of Metallomesogens Containing Lanthanide Ions	<i>CHINESE J CHEM PHYS</i> , Vol. 21, 99-104	Y.T.,Yang
100.	Thermal equation of state of natural chromium spinel up to 26.8 GPa and 628 K	<i>J MATER SCI</i> 2008, 43: 5546-5550	D.W.,Fan
101.	High-Pressure and High-Temperature Behavior of Gallium Oxide	CHINESE PHYS LETT, Vol.25,No.5(2008)1603	Y.M., Ma
102.	High-Pressure Phase Transition in Cyclooctane	CHINESE PHYS LETT, Vol.25,No.7(2008)2410	L.L., Gao
103.	High pressure effects on the crystal structure and electric conductivity of perovskite like $(Ca/Sr)_2CuO_2Cl_2$ compounds	CHINESE SCI BULL 53 (18), 2739 (2008)	Q.Q., Liu
104.	Synthesis and Structural Study of $Sr_2CuO_{3+\delta}$ Superconductor under High Pressure	<i>CHINESE PHYS LETT</i> 2239(2008)	Q.Q., Liu
105.	The High Pressure Synthesis and Situ High Pressure Structural Stability of $Ba_2CuO_2Cl_2$	Chinese Journal of High Pressure Physics Vol.22,No.1, 2008	Q.Q., Liu
106.	In situ high-pressure X-ray diffraction of natural topaz	Nuclear Techniques,Vol.31,Nov.2008	Y.X.,Liu
107.	In-Situ High-Pressure X-Ray Diffraction of Natural Beryl	Chinese Journal of High Pressure Physics, 2008, 22(1), 1-5	S., Qin
108.	毒砂的等温状态方程研究	BULLETIN OF	D.W.,Fan

		MINERALOGY PETROLOGY AND GEOCHEMISTRY 27 (s) , (2008) 4-5	
109.	Crystal structure of the C-terminal conserved domain of human GRP,a galectin - related protein,reveals a function mode different from those of galectins	Proteins 2008 1582-1588	Dongwen zhou
110.	Crystal structure and possible dimerization of the single RRM of human PABPN1	Proteins 2008 1539-1545	Honghua Ge
111.	Core Structure of the Yeast Spt4-Spt5 Complex: A Conserved Module for Regulation of Transcription Elongation	Structure 16, 1649–1658, Nov 12, 2008	Min gao
112.	Crystal structure of human osteoclast stimulating factor	PROTEINS 1-7 2008	Shuilong Tong
113.	Crystal structure of Mabinlin II:A novel structural type of sweet proteins and the main structural basis for its sweetness	J STRUCT BIOL 162(2008)50-62	De-feng li
114.	Crystal structure of a Glutamate/Aspartate Binding Protein Complexed with a Glutamate Molecule:Structural Basis of Ligand Specificity at Atomic Resolution	J MOL BIOL (2008)382,99-111	Yonglin hu
115.	Structural Basis of β -Catenin Recognition by Tax-interacting Protein-1	J MOL BIOL (2008)384,255-263	Jinxiu zhang
116.	Structure of a Shigella effector reveals a new class of ubiquitin ligases	NAT STRUCT MOL BIOL, Vol.15,No 12 2008	Yongqun Zhu
117.	Purification, crystallization and preliminary X-ray diffraction analysis of human Gadd45 γ	ACTA CRYSTALLOGR (2008). F64, 1070–1073	Wenzhen g Zhang
118.	Crystallization and preliminary X-ray study of native and selenomethionyl β -1,4-mannanase AaManA from Alicyclobacillus acidocaldarius Tc-12-31	ACTA CRYSTALLOGR (2008) F64, 209–212	Yueling Zhang
119.	Structural basis for the catalytic mechanism of phosphothreonine lyase	Nature Structural & Molecular Biology 15, 101 - 102 (2008)	L.J., Chen

120.	Crystal Structures of Streptococcus mutans 2'-Deoxycytidylate Deaminase and Its Complex with Substrate Analog and Allosteric Regulator dCTP·Mg ²⁺	J MOL BIOL (2008) 377, 220-231	H.F., Hou
121.	Investigation of the topological shape of bovine serum albumin in solution by small-angle x-ray scattering at beijing synchrotron radiation facility	Chinese Physics B Vol 17 No 12, December 2008	S.Q., Dong
122.	北京同步辐射生物大分子站稳定性监测系统	Nuclear Techniques, Vol.31, No.7, 2008	S.Q., Dong
123.	Fabrication of 3333 lp/mm Soft X-Ray Transmission Gratings	Acta Optica Sinica, Vo.28, No.6 June.2008	X.L., Zhu
124.	Energy Gaps, Electronic Structures and X-ray Spectroscopies of Finite Semiconducting Single-Walled Carbon Nanotubes	J CHEM PHYS. 128, 084707 (2008)	B., Gao
125.	Correlation expansion: a powerful alternative multiple scattering calculation method	J PHYS-CONDENS MAT, 20 (2008) 275241	H.F., Zhao
126.	A density functional theory study of shake-up satellites in photoemission of carbon fullerenes and nanotubes	J CHEM PHYS. 128, 234704 (2008)	B., Gao
127.	An efficient firstprinciples approach for electronic structures calculations of nanomaterials	J COMPUT CHEM. 29, 434-444 (2008)	B., Gao