

2008年北京同步辐射装置用户科技论文汇总目录			
	文章题目	期刊名称	作者
	【漫散射实验站】		
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	王焕华
	【XAFS 实验站】		
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-Cai 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	罗金勇
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	罗金勇
10.	An x-ray absorption spectroscopy investigation of speciation and biotransformation of copper in <i>Elsholtzia splendens</i>	PLANT SOIL (2008) 302:163-174	施积炎
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	李玉峰
12.	Ordered clusters and free volume in a Zr - Ni metallic glass	APPL PHYS LETT 93, 011911 _2008	刘雄军
13.	Chemical short-range order in Zr₂Ni	PHYS LETT A 372	刘雄军

	amorphous alloy	(2008) 3313 - 3317	
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)	刘 蕾
16.	Local structure investigation of the active site of the imidazolonepropionase from <i>Bacillus subtilis</i> by XANES spectroscopy and ab initio calculations	J SYNCHROTRON RADIAT. 15, 129-133 (2008)	杨飞飞
17.	Lattice vibrational property in the transition-metal diboride ZrB ₂	SPECTROCHIM ACTA A 70/2 (2008) 466 - 470	储旺盛
18.	3D local structure around Zn in Ktilip as a representative Zn-(Cys) ₄ motif as obtained by MXAN	BIOCHEM BIOPH RES CO 374, 28-32 (2008)	于梅娟
19.	掺杂Mo的LiFePO ₄ 正极材料的电化学性能	物理化学学报 24(8), 1498 (2008)	陈 宇
20.	镧在轮藻节间细胞中的分布及与细胞壁的结合状态	ACTA CHIM SINICA Vol. 66, 2008. No. 14, 1740-1744	姜文君
21.	乳腺组织中 Ca、Fe 和 Zn 的 XANES 谱	长春理工大学学报(自然科学版) Vol. 31 No. 1 Mar. 2008	刘成林
22.	广西环江流域污染农田的土壤酸化与酸性土壤分布	地理学报 ACTA GE Vol. 63, No. 11 Nov., 2008	王莉霞
23.	脉冲激光沉积法制备的 Ni _{1-x} Fe _x O 稀磁半导体结构和磁性研究	ACTA PHYS SIN Vol. 57, No. 9, Sep, 2008	翁卫祥
	【XRF 实验站】		
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	王江雪
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	黄泽春
27.	Characterization of a confocal 3D micro x-ray fluorescence facility based on polycapillary x-ray optics and Kirkpatrick - Baez mirrors	Spectrochimica Acta Part B 2008	孙天希

28.	Elemental depth profile of faux bamboo paint in Forbidden City studied by synchrotron radiation confocal μ -XRF	X-RAY SPECTROM 2008; 37: 595-598	魏向军
29.	Simultaneous compartmentalization of lead and arsenic in co-hyperaccumulator <i>Viola pricipis</i> H. de Boiss.: An application of SRXRF microprobe	Chemosphere 72 (2008) 1491 - 1496	雷 梅
30.	Experiment investigation of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ by high-resolution X-Ray emission and spin-polarized X-ray absorption spectroscopy	SPECTROCHIM ACTA A 70/2, 462-465 (2008)	华 巍
31.	红绿彩瓷化妆土的线扫描分析	核技术 Vol. 31, No. 9 2008	杨益民
32.	西藏冈底斯甲马和南木矿床流体包裹体 SR2XRF 研究	ACTA PETROLOGICA ET MINERALOGICA Vol. 27 , No. 3 May , 2008	连 玉
	【形貌成像实验站】		
33.	Mouse blood vessel imaging by in-line X-ray phase-contrast imaging	PHYS MED BIOL 53(2008) 5735-5743	张 汐
34.	Synchrotron radiation topography study of temperature-induced phase transformation in unpoled $0.92\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3-0.08\text{PbTiO}_3$ crystals	SOLID STATE COMMUN 148(2008)109-112	肖敬忠
35.	Comparison of refraction information extraction methods in diffraction enhanced imaging	OPT EXPRESS 2008 Vol. 16, No. 21	胡春红
36.	Phase Retrieval in X-ray Imaging based on using Structured Illumination	PHYS REV A 78, 023817 (2008)	刘宜晋
37.	<i>Phase retrieval from a single near-field diffraction pattern with a large Fresnel number</i>	J OPT SOC AM A. A25, 2651-2658 (2008)	李恩荣
38.	Investigation of misalignment in analyzer crystal based-CT and its effect	PHYS MED BIOL . 53 (2008) 5757 - 5766	张 凯
39.			
40.	X射线相位衬度成像研究进展	国际生物医学工程杂志 2008年2月第31卷 第一期	胡春红
41.	衍射增强成像相位信息提取与融合研究	中国图像图形学报 Journal of Image and Graphics Vol 13, No 8 Aug, 2008	胡春红

42.	In vitro study of in-line holography with synchrotron radiation in kidney imaging	中国医学影像技术 2008 Vol 24, No 10	彭屹峰
43.	同步辐射衍射增强成像的肝纤维化成像研究	核技术 Vol 31, No. 2 Feb 2008	李 辉
44.	乳腺组织的位相衬度成像	河北理工大学学报 Vol. 30 No. 2 May 2008	刘成林
45.	基于衍射增强的肝脏图像的信息分离与微细血管重建	自然科学进展第 18 卷 第 10 期 2008	赵 涛
46.	铝粉固相烧结过程中的微结构演化	材料研究学报 Vol. 22 No. 5 Oct 2008	许 峰
47.	X 射线光栅相位成像的理论和方法	物理学报 57, 1576— 1581 (2008)	陈 博
48.	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, June. 2008	张 凯
	【光电子谱 真空紫外光谱】		
49.	<i>Probing quantum confinement of single-walled carbon nanotubes by resonant soft-x-ray emission spectroscopy</i>	APPL PHYS LETT 023107 (2008)	钟 俊
50.	The Strong MRI Relaxivity of Paramagnetic Nanoparticles	J PHYS CHEM B 2008, 112, 6288 - 6291	邢更妹
51.	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
52.	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. BurKov
53.	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. Gusev
54.	NaGd(PO ₃) ₄ :Tb ³⁺ -A new promising green phosphor for PDPs application	CHEM PHYS LETT 453(2008)192-196	Jiuping zhong
55.	Intensive emission of Dy ³⁺ in NaGd(PO ₃) ₄ for Hg-free lamps application	OPT EXPRESS 2008 Vol. 16, No. 10	Jiuping zhong
56.	Photon Cascade Emission of Gd ³⁺ in Na(Y, Gd)FPO ₄	J. Phys. chem. C 2008, 112 12524-12529	Zifeng Tian
57.	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
58.	Detection of Trace Hg ²⁺ via Induced Circular Dichroism of DNA Wrapped Around	J AM CHEM SOC 2008, 130,	高学云

	Single-Walled Carbon Nanotubes	9190 - 9191	
59.	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, pp . 6364-6368	黄彦林
60.	Infrared spectra and luminescence properties of (Y _x , Gd _{0.95-x})BO ₃ :Eu _{0.05} ³⁺	<i>J ALLOY COMPD 455</i> (2008) 280-284	张忠义
61.	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	张忠义
62.	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	张忠义
63.	(Sr, Ba)Al ₁₂ O ₁₉ :RE ³⁺ (RE=Ce, Tb)的VUV 发光及Ce ³⁺ → Tb ³⁺ 的能量传递	SPECTROSC SPECT ANAL Vol. 28, No. 8, pp1737- 1740 Aug, 2008	张忠义
	【衍射 小角实验站】		
64.	Reversible phase transition from vesicles to lamellar network structures triggered by chain melting	Soft Matter, 4 (2008) 805	Yuwen shen
65.	Phase Behavior and Properties of Reverse Vesicles in Salt-Free Catanionic Surfactant Mixtures	Langmuir, 24(2008) 3150	Wenqing jiang
66.	One-step synthesis of hydrothermally stable mesoporous aluminosilicates with strong acidity	J. Solid State Chem. , 181 (2008) 2401-2405	Dongjiang yang
67.	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
68.	Arrangement of cellulose microfibrils in the wheat straw cell wall	CARBOHYD POLYM 72 (2008) 122 - 127	Hui yu
69.	Reversible Switching of Lamellar Liquid Crystals into Micellar Solutions using CO ₂ **	ANGEW CHEM INT EDIT . 2008, 47, 10119 - 10123	张建玲
70.	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- 10385-4	蒋世春
71.	Effect of grain size on the properties of NiFe/PtMn bilayers	<i>J PHYS D APPL PHYS</i> . 41(2008)165003(7pp)	安玉凯
72.	In situ synchrotron SAXS study of nanocrystallization in Zr ₆₅ Ni ₂₅ Ti ₁₀ metallic glass	Intermetallics 16 2008 10 -15	刘雄军

73.	Dye-templating nonsurfactant synthesis of mesoporous silica	MICROPOR MESOPOR MAT 109 (2008) 335 - 341	徐 耀
74.	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)	蔡 泉
75.	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)	蔡 泉
76.	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)	默 广
77.	In situ SAXS study on size changes of platinum nanoparticles with temperature	Eur. Phys. J. B 65, 57 - 64 (2008)	王 维
78.	In-Situ Heating Study on the Structural Change of Surfactant-Templated Germanium Oxide Mesostructure	J. Phys. Chem. B 2008, 112, 12297-12303	陈 兴
79.	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	陈 兴
80.	Ti-Mo 合金氢化物微观缺陷的小角 X 射线散射研究	ACTA PHYS SIN-CH ED Vol. 57, No. 9, Sep 2008	杜晓明
81.	用 SAXS 和 XRD 方法研究 TiO ₂ 纳米颗粒微观结构	物 理 学 报 Vol. 57, No. 9, Septemb er, 2008 CPL	陈中军
82.	钪对 Al-Ni-Y 非晶合金微观结构及晶化行为的影响	中国稀土学报2008 Vol. 26 NO 4	牛 犇
83.	由粉煤灰合成铝硅酸盐介孔材料	硅 酸 盐 学 报 Vol. 36, No. 2 Feb, 2008	吴秀文
84.	Al 含量对以微斜长石为初始原料合成介孔分子筛孔径影响	硅酸盐学报 Vol 27 No 5 Oct 2008	张艳荣
85.	SAXS 方法的发展	重庆工学院学报 Dec 2008	李志宏
	【中能实验站】		
86.	Age-related elemental chang in bones	NUCL INSTRUM METH B 266(2008)1619-1622	C. Wang
87.	The tribological chemistry of polysulfides in mineral oil and synthetic diester	APPL SURF SCI 254(2008)7232-7236	李 晶
88.	Dysprosium compounds studied by resonant inelastic X-ray scattering and high-resolution X-ray absorption near edge	SPECTROCHIM ACTA A 71 (2008) 516 - 522	周克谨

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89.	Soft X-Ray Magneto-optical Faraday Effect around Ni M _{2,3} Edges	CHINESE PHYS LETT. Vol. 25, No. 3 (2008) 1110	陈 凯
90.	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	陈 凯
91.	BSRF — 3B3 束流位置监测系统的研制	光电工程 Vol. 35, No. 6 June, 2008	赵 佳
92.	基于多层膜偏振元件的软X 射线磁光Faraday 偏转测量	物理学报 Vol. 57, No. 5 May, 2008	鄢 芬
93.	(Fe _{1-x} Ni _x) ₂ P 电子结构与磁学特性的 X 射线近边吸收谱研究	物理学报 Vol. 57, No. 6, June, 2008	马陈燕
94.	北京同步辐射装置 3B3 光束线吸收谱测量及装置设计	核技术 Vol. 31, No. 6 June 2008	马陈燕
95.	nm量级薄膜厚度测量	强激光与粒子束 Vol. 20, No. 2 Feb., 2008	陈 凯
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96.	High pressure structural and elastic properties of NiO up to 67 GPa	<i>J APPL PHYS</i> 104, 113521 (2008)	柳 雷
97.	Preparation of Zr ₆₀ Ni ₂₁ Al ₁₉ bulk metallic glass and compression behavior under high pressure	<i>J MATER RES</i> 23 (7) (2008) 2346-2349	李 工
98.	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	<i>PHILOS MAG</i> (2008) 543-551	李 工
99.	Pressure-Induced Phase Transitions on a Liquid Crystalline Europium(III)Complex	<i>J PHYS CHEM B</i> 2008, 112, 5291-5295	杨跃涛
100.	Photoacoustic and Fluorescence Spectroscopy of Metallomesogens Containing Lanthanide Ions	<i>CHINESE J CHEM PHYS</i> Vol. 21, 99-104	杨跃涛
101.	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	范大伟
102.			
103.	High-Pressure and High-Temperature Behavior of Gallium Oxide	CHINESE PHYS LETT Vol. 25, No. 5 (2008) 16 03	马艳梅
104.	High-Pressure Phase Transition in Cyclooctane	CHINESE PHYS LETT Vol. 25, No. 7 (2008) 24	高玲玲

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105.	High pressure effects on the crystal structure and electric conductivity of perovskite like (Ca/Sr) ₂ CuO ₂ Cl ₂ compounds	<i>CHINESE SCI BULL</i> 53 (18), 2739 (2008)	刘青青
106.	Synthesis and Structural Study of Sr ₂ CuO _{3+δ} Superconductor under High Pressure	<i>CHINESE PHYS LETT</i> 2239 (2008)	刘青青
107.	Ba ₂ CuO ₂ Cl ₁ 的高压合成及原位高压结构稳定性研究	高压物理学报 Vol. 22, No. 1 Mar., 2008	刘青青
108.	黄玉的原位高压 X 射线衍射研究	<i>核技术</i> Vol. 31, No. 7 July 2008	刘迎新
109.	绿柱石的原位高压 X 射线研究	<i>高压物理学报</i> , 2008, 22(1), 1-5	秦善
110.	毒砂的等温状态方程研究	<i>矿物岩石地球化学通报</i> 27 (增刊), (2008) 4-5	范大伟
	【生物大分子实验站】		
111.	Crystal structure of the C-terminal conserved domain of human GRP, a galectin-related protein, reveals a function mode different from those of galectins	<i>Proteins</i> 2008 1582-1588	Dongwen zhou
112.	Crystal structure and possible dimerization of the single RRM of human PABPN1	<i>Proteins</i> 2008 1539-1545	Honghua Ge
113.	Core Structure of the Yeast Spt4-Spt5 Complex: A Conserved Module for Regulation of Transcription Elongation	<i>Structure</i> 16, 1649 - 1658, Nov 12, 2008	Min gao
114.	Crystal structure of human osteoclast stimulating factor	<i>PROTEINS</i> 1-7 2008	Shuilong Tong
115.	Crystal structure of Mabinlin II: A novel structural type of sweet proteins and the main structural basis for its sweetness	<i>J STRUCT BIOL</i> 162 (2008) 50-62	De-feng li
116.	Crystal structure of a Glutamate/Aspartate Binding Protein Complexed with a Glutamate Molecule: Structural Basis of Ligand Specificity at Atomic Resolution	<i>J MOL BIOL</i> (2008) 382, 99-111	Yonglin hu
117.	Structural Basis of β-Catenin Recognition by Tax-interacting Protein-1	<i>J MOL BIOL</i> (2008) 384, 255-263	Jinxiu zhang
118.	Structure of a Shigella effector reveals a new class of ubiquitin ligases	<i>NAT STRUCT MOL BIOL</i> Vol. 15, No 12 2008	Yongqun Zhu
119.	Purification, crystallization and preliminary X-ray diffraction analysis of human Gadd45 γ	<i>ACTA CRYSTALLOGR</i> (2008). F64, 1070 - 1073	Wenzheng Zhang

120.	Crystallization and preliminary X-ray study of native and selenomethionyl β -1,4-mannanase AaManA from <i>Alicyclobacillus acidocaldarius</i> Tc-12-31	ACTA CRYSTALLOGR (2008) F64, 209 - 212	Yueling Zhang
121.	Structural basis for the catalytic mechanism of phosphothreonine lyase	<i>Nature Structural & Molecular Biology</i> 15, 101 - 102 (2008)	陈琳洁
122.	Crystal Structures of <i>Streptococcus mutans</i> 2'-Deoxycytidylate Deaminase and Its Complex with Substrate Analog and Allosteric Regulator dCTP \cdot Mg ²⁺	<i>J MOL BIOL</i> (2008) 377, 220-231	侯海峰
123.	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	董淑强
124.	北京同步辐射生物大分子站稳定性监测系统	核技术 Vol. 31, No. 7, July 2008	董淑强
	【其它】		
125.	33331p/mm X 射线透射光栅的研制	光学学报 Vo. 28, No. 6 June. 2008	朱效立
126.	Energy Gaps, Electronic Structures and X-ray Spectroscopies of Finite Semiconducting Single-Walled Carbon Nanotubes	J CHEM PHYS. 128, 084707 (2008)	高 斌
127.	Correlation expansion: a powerful alternative multiple scattering calculation method	J PHYS-CONDENS MAT 20 (2008) 275241	赵海峰
128.	A density functional theory study of shake-up satellites in photoemission of carbon fullerenes and nanotubes	J CHEM PHYS. 128, 234704 (2008)	高 斌
129.	An efficient firstprinciples approach for electronic structures calculations of nanomaterials	J COMPUT CHEM. 29, 434 - 444 (2008)	高 斌