Publications in 2013

No。	Title	Author	Journal, Volume and Page
1	Solvent vapor assisted spin-coating:A simple method to directly achieve high mobility from P3HT based thin film transistors	Hao Chang	Synthetic Metals 2013, 184, 1–4
2	Naphthalenediimide-Based Copolymers Incorporating Vinyl-Linkages for High-Performance Ambipolar Field-Effect Transistors and Complementary-Like Inverters under Air	Huajie Chen	Chemistry of Materials 2013, 25, 3589−3596
3	X-ray probe of GaN thin films grown on InGaN compliant substrates	Xu Xiaoqing	Applied Physics Letters 2013,102(13),132104
4	Strain Distributions in Non-Polar a-Plane InxGa1-xN Epitaxial Layers on r-Plane Sapphire Extracted from X-Ray Diffraction	Zhao Guijuan	CHINESE PHYSICS LETTERS 2013, 30(9), 098102
5	Effect of Cu2O Morphology on Photocatalytic Hydrogen Generation and Chemical Stability of TiO2/Cu2O Composite	Zhu Lihong	J. Nanosci. Nanotechnol 2013, 13, 5104–5108
6	Large remanent polarization in multiferroic NdFeO3-PbTiO3 thin film	Zhao Hanqing	Applied Physics Letters 2013, 103, 082904
7	Large-Area, flexible imaging arrays constructed by light-charge memories	Lei Zhang	Sci. Rep. 2013, 3, 1080.
8	Effect of the Longer β-Unsubstituted Oliogothiophene Unit (6T and7T) on the Organic Thin-Film Transistor Performances of Diketopyrrolopyrrole-Oliogothiophene Copolymers,	Zhengran Yi	Chem. Mater., 2013, 25 (21), 4290–4296
9	An Acetylene-Containing Perylene Diimide Copolymer for High Mobility n-Channel Transistor in Air	Zhao Xingang	Macromolecules 2013, 46(6), 2152-215
10	Enhanced performance of inverted organic photovoltaic cells using CNTs-TIOx nanocomposites as electron injection layer	hongzhang	Nanotechnology 2013, 24, 355401
11	Direct formation of ß phase in polyoctylfluorene thin film via soluent vapor assisted spin-coating methed	bing yao	Organic Electronics 2013, 14, 897-901

12	Donor Acceptor Copolymers Containing Quinacridone and enzothiadiazole for Thin Film Transistors	Li Hui	Journal of Materials Chemistry C 2013, 1, 2021-2027
13	Naphthalenediimide-Benzothiadiazole Copolymer Semiconductors: Rational Molecular Design for Air-Stable Ambipolar Charge Transport	Gu Chunling	Chemistry of Materials 2013, 25,2178–2183
14	Scaling of the anomalous Hall effect in perpendicular CoFeB/Pt multilayers	Wu Shaobing	J Appl Phys 2013, 113, 17C119
15	The anomalous Hall effect in the perpendicular Ta/CoFeB/MgO thin films	Wu Shaobing	J Appl Phys 2013, 113, 17C717
16	Depth-dependent positron annihilation in different polymers	J．Yang	Applied surface science 2013, 280, 109-112
17	Stimulated emission related anomalous change of electrical parameters at threshold in GaN-based laser diodes	Li Ding	Applied Physics Letters 2013, 102,123501
18	A Potential Perylene Diimide Dimer-Based Acceptor Material for Highly Effi cient Solution-Processed Non-Fullerene Organic Solar Cells with 4.03% Efficiency	Xin Zhang	Advanced Materials 2013, 25, 5791–5797
19	The effects of a prestrained InGaN interlayer on the emission properties of InGaN/GaN multiple quantum wells in a laser diode structure	Cao Wen-Yu	Chin. Phys. B 2013, 22(7), 076803
20	High-Performance Transistors Based on Zinc Tin Oxides by Single Spin-Coating	Zhao Yunlong	Langmuir 2013, 29 (1),151–157
21	High-mobility, air stable bottom-contact n-channel thin film transistors based on N,N’-ditridecyl perylene diimide	Ma Lanchao	Applied Physics Letters 2013,103(20),203303
22	Effects of He irradiation on Ti3AlC2: Damage evolution and behavior of He bubbles	Chenxu Wang,	Journal of Nuclear Materials 2013, 440, 606–61
23	Effect of high fluence Au ion irradiation on nanocrystalline tungsten film	Hongwei Wang	Journal of Nuclear Materials 2013, 442, 189–194
24	Diketopyrrolopyrrole-Thiophene-Benzothiadiazole Random Copolymers: An Effective Strategy to Adjust Thin-Film Crystallinity for Transistor and	Li Hui	Macromolecules 2013, 46, 9211−9219

	Photovoltaic properties		
25	Active sites on hydrogen evolution photocatalyst	Xing Jun	Journal of Materials Chemistry A 2013,1, 15258-15264
26	Unidirectional suppression of hydrogen oxidation on oxidized platinum cluster	Li Yuhang	Nature Communications 2013, 4, 2500
27	Structural and Catalytic Properties of Alkaline Post-Treated Ru/ZrO_2 Catalysts for Partial Hydrogenation of Benzene to Cyclohexene	Zhou Gongbing	ChemCatChem 2013, 5, 2425 – 2435
28	Enhanced luminescenceinducedbychangeofceriumoxidationstates in Li-codoped Lu_2SiO_5:Ce^{3+} phosphors	Chen Shiwei	Materials Letters 2013, 100, 282–284
29	Lead Binding to Soil Fulvic and Humic Acids: NICA-Donnan Modeling and XAFS Spectroscopy	Xiong Juan	Environmental Science & Technology 2013, 47, 11634−11642
30	NO adsorption behaviors of the MnOx catalysts in lean-burn atmospheres	Guo Li	Journal of Hazardous Materials 2013, 260, 543-551
31	Intense Blue Emission Phosphor $BaCa_2MgSi_2O_8$: Eu^{2+} for Fluorescent Lamps	Hou Dejian	ECS Journal of Solid State Science and Technology 2013, 2, R79-R81
32	A comparison of arsenic accumulation and tolerance among four populations of Pteris vittata from habitats with a gradient of arsenic concentration	Wan Xiaoming	Science of the total Environment 2013, 442,143-151
33	Effects of Fe doping on the structures and properties of hexagonal birnessites – Comparison with Co and Ni doping	Hui Yin	Geochimica et Cosmochimica Acta 2013, 117, 1–15
34	XAFS in dilute magnetic semiconductors	Sun Zhihu	Dalton Transactions 2013, 42, 13779
35	Adsorption kinetic process of thiol ligands on gold nanocrystals	Cheng Hao	Nanoscale 2013, 5, 11795–11800

36	The Variation of Mn dopant distribution states with x and its effect on magnetic coupling mechanism with x in Zn1-xMnxO nanocrystals	Cheng Yan	Chinese Physics B 2013, 22, 107501
37	Application of a polycapillary X-ray optics in high pressure XAFS	Li Yude	Journal of Optics 2013, 15: 072601
38	Nano-inclusions: a novel approach to tune the thermal conductivity of the In2O3	Xu Wei	Physical Chemistry Chemical Physics 2013, 15, 17595-17600
39	The effect of transition metal substitution on the catalytic activity of magnetite in heterogeneous Fenton reaction: In interfacial view	Liang Xiaoliang	Colloids and Surfaces a-Physicochemical and Engineering Aspects 2013, 435, 28-35
40	Catalytic performance of MnOx–NiO composite oxide in lean methane combustion at low temperature.	Yagang Zhang	Appl. Catal. B: Environ. 2013, 129(1): 172–181
41	Ternary composite oxide catalysts CuO/Co3O4–CeO2 with wide temperature-window for the preferential oxidation of CO in H2-rich stream	Chen Yena	Chemical Engineering Journal 2013, 234, 88-98
42	Promotional effect of Partial substitution of Zn by Ce in CuZnAlO catalysts used for hydrogen production via steam reforming of dimethyl ether	Zhang Lijie	Journal of Power Sources 2013, 232, 286-296
43	Domain-confined catalytic soot combustion over Co_3O_4 anchored on a TiO_2 nanotube array catalyst prepared by mercaptoacetic acid induced surface-grafting	Ren Jiale	Nanoscale 2013, 5,12144-12149
44	Dopant-Induced Modification of Active Site Structure and Surface Bonding Mode for High-Performance Nanocatalysts: CO Oxidation on Capping-free (110)-oriented CeO2:Ln (Ln = La−Lu) Nanowires	Jun Ke	J. Am. Chem. Soc. 2013, 135, 15191−15200
45	Iron Isotope Effect and Local Lattice Dynamics in the (Ba, K)Fe2As2 Superconductor Studied by Temperature-Dependent EXAFS	Chu Wangsheng	Scientific Reports 2013, 3, 1750
46	Mercury speciation and mercury isotope fractionation during ore roasting process and their	Yin Runsheng	Chemical Geology

	implication to source identification of downstream sediment in the Wanshan mercury mining area, SW China		2013, 336, 72-79
47	Synthesis and antimicrobial activity of ZnTi–layered double hydroxide nanosheets	Zhao Yufei	J. Mater. Chem. B 2013, 1, 5988-5994
48	Negative expansions of interatomic distances in metallic melts	Lou Hongbo	PNAS 2013, 110, 10068-10072
49	Chlorine as an Indicator in the Controllable Preparation of Active Nano-Gold Catalyst	Zhang Chengming	Scientific Reports 2013, 3, 1503
50	Enhanced low-temperature activity of CO2 methanation over highly-dispersed Ni/TiO2 catalyst	Liu Jie	Catal. Sci. Technol. 2013, 3, 2627
51	Ni-In Intermetallic Nanocrystals as Efficient Catalysts towards Unsaturated Aldehydes Hydrogenation	Li Changming	Chem. Mater. 2013, 25, 3888.
52	A Surface Defect-Promoted Ni Nanocatalyst with Simultaneously Enhanced Activity and Stability	He Shan	Chem. Mater. 2013, 25, 1040
53	Strikingly dissimilar effect of Mn and Zn dopants imposed on local structural distortion of Ba0.5K0.5Fe2As2 superconductor	Cheng Jie	J. Synchrotron Rad. 2013, 20, 455–459
54	Roles of pyrolysis on availability, species and distribution of Cu and Zn in the swine manure: Chemical extractions and high-energy synchrotron analysis	Q, Lin(林琦)	Chemosphere 2013, 93, 2094-2100
55	Direct Contact versus Solvent-Shared Ion Pairs in Saturated NiCl2 Aqueous Solution: A DFT, CPMD, and EXAFS Investigation	Fei-Fei Xia	J. Phys. Chem. A 2013, 117, 8468−8476
56	Effects of cerium oxide catalyst on the dehydrogenation of lithium alanate using synchrotron XRD and XAFS	Wang Y.T.	International Journal of Hydrogen Energy 2013, 38(36), 16080–16089
57	Mn-doping induced magnetic properties in Co2CrO4 system	Zhang H. G.	Phys. Status Solidi B 2013, 250, 1287-1292
58	Arsenate and cadmium co-adsorption and co-precipitation ongoethite	Jiang W	Journal of Hazardous Materials 2013, 262, 55– 63
59	Evidence of an interlayer charge transfer route in BiCu1-xSeO	Xu Wei	Journal of Materials Chemistry A

			2013, 1, 12154-12158
60	The Interaction of CuS and Halothiobacillus HT1 Biofilm in Microscale Using Synchrotron Radiation-Based Techniques	Lin Huirong	International Journal of Molecular Sciences 2013, 14,11113-11124
61	Subcellular Distribution of Metals within *Brassica chinensis* L. in Response to Elevated Lead and Chromium Stress	Wu Zhipeng	JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 2013, 61, 4715−4722
62	Suppression of Bragg reflection glitches of a single-crystal diamond anvil cell by a polycapillary half-lens in high-pressure	Dongliang Chen	Journal of Synchrotron Radiation 2013, 20, 243–248.
63	mercury modulates selenium activity via altering its accumulation and speciation in garlic(Allium sativum)+	Jiating Zhao	Metallomics 2013, 5, 896
64	cellular response of E.coli upon hg2+ exposure-a case study of advanced nuclear analytical approach to metalloproteomics	Gao Yuxi	Metallomics 2013, 5, 913
65	明代官窑釉里红瓷器 SR-XRF 微区线扫描分析	Guan Li	核技术 2013, 070103-1
66	阿勒泰恰夏铜矿床的富 CO2 流体与矿床成因	Yang Rui	矿床地质 2013, 323~336
67	XAFS Investigation on Zincblende ZnS up to 31.7GPa	YANG Jun	Chinese Physics Letters 2013, 30(4)046101
68	衍射增强成像提取多种信息的简便方法研究	Zhao Xuejiao	物理学报 2013, 62(12), 124202
69	Real-time observation on evolution of droplets morphology affected by electric current pulse in Al-Bi immiscible alloy	Jing ZHU	Journal of Materials Engineering and Performance 2013, 22(5), 1319-1323
70	Penetrating view of nano-structures in Aleochara verna spermatheca and and flagellum by hard X-ray microscopy and flagellum by hard X-ray microscopy	Zhang Kai	Chin. Phys. B 2013, 22(7), 076801
71	Investigation of the crystal defects in synthesized diamond by synchrotron radiation topography	Wan-Li Yu	Advanced Materials Research

			2013, 721, 109-112
72	Reconstruction of the Growth History of a Large Synthesized Diamond Crystal by Synchrotron Topography	Wan-Li Yu	Advanced Materials Research 2013, 739, 7-11
73	纳米 CT 成像表征锦纶 6 中 TiO2 颗粒分布状况	刘少轩	高等学校化学学报 2013, 34(2), 269
74	Visualising liver fibrosis by phase-contrast X-ray imaging in common bile duct ligated mice	Zhang Xi	Eur Radiol 2013, 23, 417-23
75	Synchrotron-radiation X-ray Topography of the Rapid Grown KDP Crystals	Teng Bing	Applied Mechanics and Materials 2013, 320, 325-328
76	X 射线成像技术在昆虫形态学研究中的应用	李德娥	生命科学 2013, 25(8), 771-778
77	小鼠听泡 Micro—CT 实验研究	孙程成	中华耳鼻咽喉头颈外科杂志 2013, 48(8), 673-676
78	An Approach to Calculate the Directions of Crystal Defects in Synchrotron Radiation Topography	Yu Wanli	Advanced Materials Research 2013, 772, 566-570
79	Effects of oxygen vacancy on the electronic structure and multiferroics in sol-gel derived Pb0.8Co0.2TiO3 thin films	Zhao Hanqing	Dalton Transactions 2013, 42, 10358-10364
80	Multiferroics and Electronic Structure of $(1-x)PbTiO_3–xBi(Ni_{1/2}Ti_{1/2})O_3$ Thin Films	Zhao Hanqing	Thin Solid Films 2013, 542, 155-159
81	Detection of Fe 3d electronic states in the valence band and magnetic properties of Fe-doped ZnO film	Chen Tiexin	Chinese Physics B 2013, 22(2), 026101
82	physicochemical origin for free radition generation of Iron oxide nanoparticles in biomicroenvironment cadalytic activities mediated by surface chemical states	Wang Bing	J. phys. Chem. C 2013,117,383-392
83	In situ electronic structure study of VO22 thin film across metal–insulator transition	Emin Muhemmed	Chin. Phys. B 2013, 22(12), 127103
84	Luminescence, cathodoluminescence and Ce3+ / Eu2+ energy transfer and emission enhancement in the Sr5(PO4)3Cl:Ce3+, Eu2+ phosphor	Zhou Lei	Journal of Materials Chemistry C 2013, 1, 7155–7165

85	A potential cyan-emitting phosphor Sr8(Si4O12)Cl8:Eu2+ for wide color gamut 3D-PDP and 3D-FED	Liu Chunmeng	Journal of Materials Chemistry C 2013, 1, 1305–1308
86	A high efficiency blue phosphor BaCa2MgSi2O8:Eu2+ under VUV and UV excitation	Hou Dejian	Journal of Materials Chemistry C 2013, 1, 493–499
87	VUV-UV luminescence of Ce3+, Pr3+ doped and Ce3+–Pr3+ codoped NaLa(PO3)4	Kang Youjun	Journal of Luminescence 2013, 143, 21-26
88	Luminescence and site occupancies of Eu3+ in La2CaB10O19	Lin Huihong	Dalton Transactions 2013, 42, 12891–12897
89	Vibronic photoexcitation spectra of irradiated spinel MgO.nAl2O3 (n = 2) at low temperatures	Abu Zayed Mohammad Saliqur Rahman	Nuclear Instruments & Methods in Physics Research B 2013, 305(33–36)
90	VUV spectroscopic properties of $Ba_2Gd_2Si_4O_{13}:Re^{3+}$ (Re^{3+} = Ce^{3+}, Tb^{3+}, Dy^{3+}, Eu^{3+}, Sm^{3+})	Zhang Feng	Materials Research Bulletin 2013, 48, 1952–1956
91	Vacuum ultraviolet texcited luminescence properties of $Ca_3Gd_7(SiO_4)_5(PO_4)O_2:Re^{3+}$ (Re^{3+}=Tb^{3+}, Dy^{3+}) phosphors	Zhang Feng	Journal of Physics and Chemistry of Solids 2013, 74, 1499–1503
92	Investigation of the luminescence properties of Tb^{3+}-doped $Li_6Y(BO_3)_3$ phosphors in VUV–VIS range	Zhang Feng	Journal of Luminescence 2013, 136, 51–56
93	Microwave Assisted Sintering of ThermallyStable $BaMgAl_{10}O_{17}:Eu^{2+}$ Phosphors	Wang Yifei	ECS Journal of Solid State Science and Technology 2013, 2 (9), R196-R200
94	Influence of Gd3+ on the visible quantum cutting in green-emitting silicate Na3Gd0.9 xYxSi3O9:0.1Tb3+ phosphors	Lili Han	Materials Research Bulletin 2013, 48, 2139–2142
95	Observation of efficient energy transfer from host to rare-earth ions in KBaY(BO3)2:Tb3+ phosphor for plasma display panel	Lili Han	Journal of Alloys and Compounds 2013, 551, 485–489
96	Crystal structure refinement and luminescence properties of Ce3+ singly doped and Ce3+/Mn2+	Lian Zhipeng	RSC Advances

	codoped KBaY(BO3)2 for n-UV pumped white-lightemitting diodes		2013, 3, 16534
97	Surface exciton emission of MgO crystals	Kuang Wenjian	J. Phys. D: Appl. Phys. 2013, 46, 365501
98	Structure-function analysis reveals a novel mechanism for regulation of histone demethylase LSD2/AOF1/KDM1b	Qi Zhang	Cell Research 2013, 23, 225-241.
99	Structure of clusters and formation of amorphous calcium phosphate and hydroxyapatite: From the perspective of coordination chemistry.	Lin-Wei Du	Crystal Growth & Design 2013, 13 (7), 3103–3109.
100	sulfur speciation and bioaccumulation in camphor tree leaves as atmospheric sulfur indicator analyzed by synchrotron radiation XRF and XANES	Jianrong Zeng	Journal of Environmental Sciences-China 2013, 25(3), 605-612
101	沙尘暴对上海大气颗粒物中 S、Cl、Ca 化学种态的影响	Long Shilei	核技术 2013, 36(10),100101
102	Comparative study of sulfur utilization and speciation transformation of two elemental sulfur species by thermoacidophilic Archaea *Acidianus manzaensis* YN-25	Liu Hongchang	Process Biochemistry 2013, 48, 1855–1860
103	The Oxidation State of Sulfur Detected in Na2O-CaO-SiO2 Float Glass by X-ray Absorption Near Edge Structure Spectra	Meng Zheng	Journal of Wuhan University of Technology-Mater. Sci. Ed. 2013, 28(1), 79-81
104	The Oxidation State of Sulfur on the air side surface of soda-lime float glass as determined by X-ray absorption nesr edge structure spectra	Meng Zheng	Materials Science Forum 2013, 743-744, 316-322
105	Impacts of sulfur regulation in vivo on arsenic accumulation and tolerance of hyperaccumulator Pteris vittata	Lei Mei	Environmental and Experimental Botany 2013, 85,1-6
106	Revealing the Binding Structure of the Protein Corona on Gold Nanorods Using Synchrotron Radiation-Based Techniques: Understanding the Reduced Damage in Cell Membranes	Wang Liming	J.Am.Chem.Soc. 2013, 135, 17359−17368

107	Determination of the calcium species in coal chars by Ca K-edge XANES analysis	Liu Lijuan	Chinese Physics C 2013, 37, 028003
108	Calcium-promoted catalytic activity of potassium carbonate for steam gasification of coal char: Transformations of sulfur	Liu Lijuan	Fuel 2013, 112, 687-694
109	Calcium-promoted catalytic activity of potassium carbonate for gasification of coal char: The synergistic effect unrelated to mineral matter in coal	Hu Jie	Fuel 2013, 112, 628-635
110	Electronic structure and hybridization of CaS by means of X-ray absorption spectroscopy at Ca and S K-edges	Xu Wei	Journal of Synchrotron Radiation 2013, 20, 110-115
111	Comparison Analysis of Coal Biodesulfurization and Coals Pyrite Bioleaching with Acidithiobacillus ferrooxidans	Hong Fenfen	The Scientific World Journal 2013, ID 184964, 9 pages
112	石油沥青质含硫结构的 XANES 导数光谱研究	张龙力	燃料化学学报 2013, 41(11): 1328-1335
113	X射线探测元件在1750~3500eV能区的标定	易荣清	核聚变与等离子体物理 2013, 33(4), 320-323
114	Facile Synthesis of Carbon-coated Hematite Nanostructures for Solar Water Splitting	Deng Jiujun	Energy Environ. Sci. 2013, 6, 1965-1970
115	Complementary Phosphorus Speciation in Agricultural Soils by Sequential Fractionation, Solution ^{31} P Nuclear Magnetic Resonance, and Phosphorus K-edge X-ray Absorption Near-Edge Structure Spectroscopy	Jin Liu	Journal of Environmental Quality 2013, 42:1763-1770
116	生活垃圾焚烧物中有机碳组分研究	刘可	环境科学与技术 2013, 36(6L):95-99
117	Measurement of the polarization for soft X-ray magnetic circular dichroism at the BSRF beamline 4B7B	Guo Zhiying	Chinese Physics C 2013, 37, 018001
118	Quantitative Measurement of the Proportions of High-Order Harmonics for the 4B7B Soft-X-Ray Source at Beijing Synchrotron Radiation Facility	Zhu Tuo	Plasma Science and Technology, 2013,15(12), 1194
119	Upgrade of beamline 3W1B at Beijing Synchrotron Radiation Facility	Yang Dongliang	Chinese Physics C 2013, 37, 058001

120	An analytical model for the polarization of synchrotron radiation in a soft X-ray region	Xi Shibo	Chinese Physics C 2013, 37, 038002
121	X-Ray Magnetic Linear Dichroism of $Co_{35}Fe_{65}$ Alloy Films Annealed with and without Oxygen Gas	Wang Delai	Chinese Physics Letters 2013, 30, 107501
122	Multilayer-based soft X-ray polarimeter at the Beijing Synchrotron Radiation Facility	Sun Lijuan	Chinese Physics C 2013, 37, 078001
123	Pressure accelerated 1,3-dipolar cycloaddition of azide and alkyne groups in crystals	Ni Benbo	Chemical Communications 2013, 49, 10130--10132
124	Pressure-induced isosymmetric phase transition in sulfamic acid: A combined Raman and x-ray diffraction study	Li Qian	THE JOURNAL OF CHEMICAL PHYSICS 2013, 138, 214505
125	Pressure-Induced Irreversible Phase Transition in the Energetic Material Urea Nitrate: Combined Raman Scattering and X-ray Diffraction Study	Li Shourui	THE JOURNAL OF PHYSICAL CHEMISTRY C 2013, 117, 152−159
126	High-Pressure Stability and Compressibility of Zircon-Type YV1−xPxO4:Eu3+ Solid-Solution Nanoparticles: An X-ray Diffraction and Raman Spectroscopy Study	Yuan Hongsheng	THE JOURNAL OF PHYSICAL CHEMISTRY C 2013, 117(36), 18603-18612
127	Structural and Electronic Changes of SnBr4 under High Pressure	Huang Xiaoli	J. Phys. Chem. C 2013, 117, 8381−8387
128	Pressure-induced isostructural phase transition in Bi2Sr2CaCu2O8+δ	J. B. Zhang	Chinese Physics C 2013, 37 (8), 088003
129	Pressure effect on structural and vibrational properties of Sm-substituted BiFeO_{3}	Y.J. Wu	Journal of Applied Physics 2013, 114 (15), 154110
130	Phase transformations and vibrational properties of coronene under pressure	X. M. Zhao	The Journal of Chemical Physics 2013, 139 (14), 144308
131	Structural and vibrational properties of phenanthrene under pressure	Q. W. Huang	The Journal of Chemical Physics

			2013, 139 (10), 104302
132	Pressure-induced phase transitions of multiferroic BiFeO3	Xiaoli Zhang	Chinese Physics C 2013, 37(12), 128001.
133	Pressure-induced polyamorphic transitions in ytterbium-based bulk metallic glasses	Wang Yongyong	Materials Letters 2013, 110, 184–187
134	High compressibility of rare earth-based bulk metallic glasses	Zhao Wei	Applied Physics Letters 2013, 102, 031903
135	Structural evolution of Lanthanide-based metallic glasses under high pressure annealing.	Wang Yongyong	Journal of Alloys and Compounds. 2013, 551,185–188
136	Temperature and pressure effects of multiferroic Bi2NiTiO6 compound	Zhu Jinlong	J. Appl. Phys. 2013, 113, 143514
137	Superconductivity in copper intercalated topological compound CuxBi2Te3 induced via high pressure	Zhang Junliang	Physica C 2013, 493,75 -76
138	Synthesis And Structural Stability of BiRhO3 at High Pressure	Li Xiang	International Journal of Modern Physics B 2013, 27(15), 1362021
139	Stabilization of 9/10-Fold Structure in Bismuth Selenide at High Pressures	Guangtao Liu	J. Phys. Chem. C 2013, 117, 10045
140	Structural stability and Raman scattering of CoPt and NiPt hollow nanospheres under high pressure	Shen Xi	Progress in Natural Science: Materials International 2013, 23(4), 382–387
141	Pressure-induced phase transitions in single-crystalline Cu4Bi4S9 nanoribbons	Hu Jingyu	Chinese Physics B 2013, 22(11), 116201
142	High pressure elastic behavior of synthetic mg3y2(sio4)3 garnet up to 9 Gpa	daweifan	Advances in materials science and Engineering 2013, 2013, 502702
143	X-ray diffraction study of calcium-lead fluoraptite solid solution at high pressure the composition dependence of the bulk modulus and its pressure derivative	daweifan	High tempertures-High pressures 2013, 42, 69-80

144	An in situ high-pressure X-ray diffraction experiment on hydroxyapophyllite	Fan Dawei	Chin. Phys. B 2013, 22(1), 010702
145	Pressure-induced structural phase transition and equation of state of LiTaO3	Shikai Xiang	J PHYS-CONDENS MAT 2013, 25, 215401
146	An experimental study on SrB4O7:Sm2+ as a pressure sensor	Qiumin Jing	J.Appl. Phys. 2013, 113, 023507
147	Compressive behaviors of bcc bismuth up to 55 GPa	Lei Liu	Phys. Status Solidi B 2013, 250, 1398-1403
148	High pressure strength of nanocrystalline tantalum carbide(TaC) studied at a nonhydrostatic compression	HaiHua Chen	Int. Journal of Refractory Metals and Hard Materials 2013, 41, 627-630
149	Morphology-tuned phase transitions of anatase TiO_2 nanowires under high pressure	Li Quanjun	Journal of Physical Chemistry C 2013, 117, 8516-8521
150	Pressure-induced amorphization in Gd_2O_3/Er^{3+} nanorods	Yang Xue	Journal of Physical Chemistry C, 2013, 117, 8503-8508
151	High pressure phase transition of ZnO/SiO2 core/shell nanospheres,	Cheng Benyuan	Journal of Applied Physics, 2013, 113(5), 054314
152	High-Pressure Behaviors of SrF_2 Nanocrystals with Two Morphologies,	Jingshu Wang	J. Phys. Chem. C 2013, 117, 615−619
153	High pressure synchrotron x-ray diffraction and Raman scattering studies of ammonium azide	Xiaoxin Wu	Appl. Phys. Lett. 2013, 102, 121902
154	Structural transition of BaF2 nanocrystals under high pressure	WANG Jing-shu	Chinese Physics C 2013, 37(8), 088001
155	Indexing of multi-particle diffraction data in a high-pressure single-crystal diffraction experiment.	Li Hui	Journal of applied crystallography 2013, 46, 387–390
156	Natural occurrence of reidite in the Xiuyan crater of China.	Chen Ming	Meteoritics & Planetary Science 2013, 48, 796–805
157	High-pressure synthesis and in-situ high pressure x-ray diffraction study of cadmium tetraphosphide	peiwang	J. Appl. Phys. 2013, 113, 053507

158	Pressure-induced structural evolution and amorphization in Eu3Ga5O12	C. L. Lin	J. Appl. Phys. 2013, 114, 163521
159	Radial x-ray diffraction of tungsten tetraboride to 86GPa under nonhydrostatic compression.,	Lun Xiong	J. Appl. Phys. 2013, 113, 033507
160	Garnet-to-Perovskite Transition in $Gd_3Sc_2Ga_3O_{12}$ at High Pressure and High Temperature.,	Chuanlong Lin	Inorg. Chem. 2013, 52, 431−434
161	High-pressure x-ray diffraction and Raman spectroscopy of phase transitions in Sm2O3.	Sheng Jiang	J. Appl. Phys. 2013, 113, 113502
162	Pressure-induced structural and vibrational evolution in ferroelectric RInO3 (R¼Eu, Gd, Dy).,	Chuanlong Lin	Solid State Commun. 2013, 173, 51–55
163	High-pressure study of PbCO3 by XRD and Raman spectroscopy，	Yufeng Zhang	Chinese Physics C 2013, 37(3), 038001
164	非静水压下不同强度材料的应力传递特性	冉翔天	高压物理学报 2013, 27, 205
165	Cubic perovskite polymorph of strontium metasilicate at high pressures	Xiao Wansheng	American Mineralogist, 2013, 98,2096–2104
166	Effects of pressure on PbWO4-III	Tan, Dayong	Physics and Chemistry of Minerals 2013, 40, 341-348
167	Pressure effect on structural and vibrational properties of Y-substituted BiFeO3	Wu YJ	J PHYS-CONDENS MAT 2013, 25, 365401
168	Pressure-induced amorphous-to-amorphous reversible transformation in Pr75Al25	Lin, C. L	JOURNAL OF APPLIED PHYSICS 2013, 114, 213516
169	High pressure phase transitions and depressurization amorphization of $Bi_2Fe_4O_9$	Zhang Q.H.	High Pressure Research 2013, 33(4), 745-750
170	Effect of pressure and temperature on the wavelength shift of the fluorescence line of $SrB_4O_7:Sm^{2+}$ scale	Jing Qiumin	High Pressure Research 2013, 33(4), 725-733
171	Phase transitions in PbTe under quasi-hydrostatic pressure up to 50GPa	Li, Yanchun	High Pressure Research 2013, 33(4),713-719

172	StructuraltransformationsincubicDy2O3 at highpressures	Jiang Sheng	Solid State Communications 2013, 169, 37–41
173	天然黄铜矿原位高温高压 X 射线衍射研究	Fan Dawei	高压物理学报 2013, 27 (6): 828-832
174	Compressibility of a natural P4/nnc vesuvianite	Xiaojing Lai	Eur. J. Mineral. 2013, 25, 631–637
175	Modification of polymorphisms in polyvinylidene fluoride thin films via water and hydrated salt	Song Rui	Journal of colloid and interface science 2013, 401, 50-57
176	Confined Nucleation and Growth of Poly(ethylene oxide) on the Different Crystalline Morphology of oly(butylenes succinate) From a Miscible Blend	He Zhiyuan	Macromolecules 2013, 46, 8264-8274
177	Salt-induced microphase separation in poly(e-caprolactone)-*b*-poly(ethylene oxide) block copolymer	Huang Jie	Polymer 2013, 54, 3098-3106
178	In-situ synchrotron SAXS and WAXS investigations on deformation and a-ß transformation of uniaxial stretched poly(vinylidene fluoride)	Guo Huilong	Crystengcomm 2013, 15, 1597-1606
179	Novel phase change behavior of n-eicosane in nanoporous silica: emulsion template preparation and structure characterization using small angle X-ray scattering	Wang Wei	Phys. Chem. Chem. Phys. 2013, 15, 14390-14395
180	Lyotropic Liquid Crystalline Phases of a Phytosterol Ethoxylate in Amide Solvents	Yue Xiu	Langmuir 2013, 29(35), 11013–11021
181	Formation of pyrrolidinium fatty acid soap and its lyotropic liquid crystalline phase behavior	Huang Dandan	Colloids and Surfaces A: Physicochemical and Engineering Aspects 2013, 426, 55–62
182	A program for SAXS data processing and analysis	Li Zhihong	Chinese Physics C 2013, 37(10), 108002
183	Using a standard sample to estimate the X-ray wavelength of the 1W2A SAXS beamline at BSRF	Liu Jun	Journal of Synchrotron radiation 2013, 20, 729–733
184	Hydrothermal Aging Mechanisms of Aramid Fibers via Synchrotron Small-Angle X-Ray Scattering and	Li Changsheng	J. APPL. POLYM. SCI.

	Dynamic Thermal Mechanical Analysis		2013,128(2), 1291-1296
185	Hierarchical structure and biomineralization in cricket teeth	Xing Xueqing	Chinese Physics C 2013, 37: 028001(1-6)
186	Shape evolution with temperature of a thermotolerant protein (PeaT1) in solution detected by small angle X-ray scattering	Xing Xueqing	Proteins 2013, 81: 53–62
187	Cationic amphiphilic drugs self-assemble to the core-shell interface of PEGylated phospholipid micelles and stabilize micellar structure	Wang Jing/Xing Xueqing	Philosophical transactions (A). Mathematical, physical, and engineering sciences 2013, 371: 20120309(1-17)
188	Structural Change of Human Hair Induced by Mercury Exposure	Xing Xueqing	Environmental Science & Technology 2013, 47: 11214−11220
189	Structural evolution of ethylene-octene copolymers upon stretching and onloading	Sun Yingying	Macromolecules 2013,46,971-976
190	Shape and Size Controlled Synthesis of MOF Nanocrystals with the Assistance of Ionic Liquid Mircoemulsions	Shang Wenting	Langmuir 2013, 29, 13168−13174
191	Large-pore mesoporous Mn3O4 crystals derived from metal–organic frameworks	Peng Li	Chem. Commun. 2013,49, 11695-11697
192	沙特减压渣油临氮热反应过程中沥青质聚集体尺寸变化研究	Zhang Longli	燃料化学学报 2013, 41(1), 46-52
193	3-D Hexagonal Close-Packed Nano-Structure from Self-Organization of Triblock Copolymer Containing Lateral Ethyl Groups in the Middle of Rod Segment	Wang Zhuoshi	Macromolecular Research 2013, 21(6), 624-628
194	Supramolecular Nanostructures from Self-Assembly of T-Shaped Rod Building Block Oligomers	Wang Zhuoshi	JOURNAL OF POLYMER SCIENCE, PART A: POLYMER CHEMISTRY 2013, 51, 5021–5028
195	Self-assembly of coil-rod-coil molecules into bicontinuous cubic and oblique columnar assemblies	Zhong Ke-Li	European Polymer

	depending on coil chain length		Journal 2013, 49, 3244–3250
196	Improving the Electrochemical Performance of Li4Ti5O12 Anode through Confinement into Ordered Bimodal Porous Carbon Frameworks	Shuai Hao	J.Phys.Chem.C 2013,117,26889-26895
197	Insights into the cross-immunity mechanism within effector families of bacteria type VI secretion system from the structure of StTae4-EcTai4 complex.	Zhang Heng	PLoS One. 2013, 8(9):e73782
198	Structure of the Type VI Effector-Immunity Complex (Tae4-Tai4) Provides Novel Insights into the Inhibition Mechanism of the Effector by Its Immunity Protein	Zhang Heng /Zhang Heng	J. Biol. Chem. 2013, 288, 5928-5939
199	Structural insights into the inhibition of type VI effector Tae3 by its immunity protein Tai3	Dong Cheng/Zhang Heng	Biochem J. 2013, 454(1), 59-68
200	Microstructural change of degummed Bombyx mori silk: An in situ stretching wide-angle X-ray-scattering study	Liang Ku	Int. J. Biol. Macromol. 2013, 57: 99–104
201	Crystalline structures of poly(L-lactide) formed under pressure and structure transitions with hesting	Huang Shaoyong	Crystengcomm 2013,15,4372
202	Tensile Deformation of Oriented Poly(ε-caprolactone) and Its Miscible Blends with Poly(vinyl methyl ether)	Jiang Zhiyong	Macromolecules 2013, 46(17), 6981-6990
203	Stress Induced Lamellar Thickening in Poly(ethylene succinate)	刘国明	Polymer 2013, 54, 6860-6866
204	In situ studies on the temperature-related deformation behavior of isotactic polypropylene spherulites with uniaxial stretching: The effect of crystallization conditions	Huo Hong	Polymer Engineering and Science 2013, 53, 125-133
205	Competitive growth of alpha- and beta-crystals in isotactic polypropylene with versatile nucleating agents under shear flow	Liu Hui	Colloid and polymer science 2013, 291, 1913-1925
206	Local Mn structure and room temperature ferromagnetism in Mn-doped In2O3 films	An Yukai	Appl. Phys. Lett 2013,102, 212411
207	Correlation between oxygen vacancies and magnetism in Fe-doped In2O3 films	An Yukai	Appl. Surf. Sci 2013, 276, 535
208	Influence of annealing on the local structure, magnetic and transport properties of Mn-doped SiC	An Yukai	J. Phys. D: Appl. Phys

	films		2013, 46, 105004
209	The local structure, magnetic and transport properties of Cr-doped In2O3 films	Wang Shiqi	J. Appl. Phys 2013, 113, 153901
210	Characterization and photoluminescence of Co-doped SiC films	Sun Xianke	J. Vac. Sci. Technol. A 2013, 31(6) ,061512
211	Effect of Mn doping on the structural, optical and magnetic properties of In2O3 films	Wang Shiqi	J. Vac. Sci. Technol. A 2013, 31(6) ,061515
212	Transition-metal distribution in kagome antiferromagnet CoCu3(OH)6Cl2 revealed by resonant X-ray diffraction	Li Yuesheng	Chemical Physics Letters 2013, 570, 37–41
213	Perpendicularly magnetized t-MnAl (001) thin films epitaxied on GaAs	Nie Shuaihua	Applied Physics Letters 2013, 102, 152405
214	Tensile deformation of polybutene-1 with stable form I at elevated temperature	Wang Yaotao	Macromolecules 2013,46,518-522
215	Synthesis and structural characterization of ZnO doped with Co	Fu Jianlong	J. Alloys Compd. 2013, 558: 212–221
216	Confined camella formation in cryctalline-cryctalline poly(ethylene oxide)-b-poly(ε-caprolactone)diblock copolymers	Xue Feifei	Chinese Journal of Polymer Science 2013, 31(9), 1260-1270
217	The property and microstructure study of polyimide/nano-TiO2 hybrid films with sandwich structures	Liu Xiaoxu	Thin Solid Films 2013,544,54–58
218	Effects of cerium oxide catalyst on the dehydrogenation of lithium alanate using synchrotron XRD and XAFS synchrotron XRD and XAFS	Wang, Y.T.	International journal of hydrogen energy 2013, 38, 16080-16089
219	Microstructure change of ZnO nanowire induced by energetic x-ray radiation and its effect on the field emission properties	Zhao Chuanxi	Nanotechnology 2013,24, 275703
220	Effects of X-ray irradiation on the structure and field electron emission properties of vertically aligned few-layer graphene	Wu Junqing	Nuclear Instruments and Methods in Physics Research Section B 2013, 304, 49-56

221	Nanoflakes Due to the Lowered Back Contact Barrier after High Energy X-ray Irradiation	Wu Junqing	Journal of Applied Physics 2013, 114,184306
222	Fabrication of micro-nano surface texture by CsCl lithography with antireflection and photoelectronic properties for solar cells	Liu Jing	Solar Energy Materials and Solar Cells 2013,108, 93–97
223	Fabrication and antireflection properties of solar cells with pyramid-nanohole texture by Cesium Chloride lithography	Liu Jing	Journal of Physics D: Applied Physics 2013,46, 375302
224	Fabrication and photovoltaic properties of silicon solar cells with different diameters and heights of nanopillars	Liu Jing	Energy Technology 2013,1, 139-143
225	The fabrication of silicon nano pin with CsCl nano islands and dry etching for field emission.	Ma Lina	Key Engineering Materials 2013,257:10489
226	Fabrication of x-ray diffractive optical elements for laser fusion applications	Xie Changqing	Optical Engineering 2013, 52(3), 033402
227	Photothermal microactuators fabricated by LIGA technology	Wang Bo	Key Engineering Materials 2013, 562-565,534-537
228	Polycapillary Xray lens for the secondaryfocusing Beijing synchrotron radiation source.	Li Yude	Chin. Phys. B 2013, 22(4), 44103
229	Recognition and processing of double-stranded DNA by ExoX, a distributive 3'-5' exonuclease	Wang Tianyu	Nucleic Acids Res. 2013, 41(15):7556-65
230	Structural Insights into the Abscisic Acid Stereospecificity by the ABA Receptors PYR/PYL/RCAR	Zhang Xingliang	Plos One 2013, 8(7), e67477
231	Purification, crystallization and preliminary crystallographic analysis of the 23S rRNA methyltransferase RlmM (Cm2498) from Escherichia coli.	Guo Hongyue	Acta Cryst. F, 2013, 69, 640-642.
232	Structural basis for interaction between Mycobacterium smegmatis Ms6564, a TetR family master regulator, and its target DNA	Yang Shifan	J Biol Chem 2013, 288(33), 23687-95
233	Structure-function studies of Escherichia coli RnlA reveal a novel toxin structure involved in	Wei Yong	Mol Microbiol

	bacteriophage resistance		2013, 90(5):956-65
234	The crystal structure of human protein α1M reveals a chromophore-binding site and two putative protein-protein interfaces	Zhang Yangli	Biochem Biophys Res Commun. 2013, 439(3):346-50
235	New Luminescent Ag2Au2 Heteronuclear Alkynyl−Phosphine Complexes and Recognition of Homocysteine and Cysteine	Jiang Yi	Organometallics 2013,32, 4919−4926
236	Structural Basis of a Histone H3 Lysine 4 Demethylase Required for Stem Elongation in Rice	Chen Qingfeng	Plos Genetics 2013, 9(1), e1003239
237	Crystallization and initial X-ray data of abscisic acid receptor PYL3 in the presence of ( )-ABA	Zhang Xingliang	Acta Cryst. F 2013, 69, 540-543
238	Crystallization and X-ray crystallographic analysis of the cap-binding domain of influenza A virus H1N1 polymerase subunit PB2	Liu Yong	Acta Cryst. F 2013, 69, 280-283
239	Purification, crystallization and preliminary X-ray diffraction analysis of effector protein MoHrip2 from Magnaporthe oryzae	LiuMengjie	Acta Cryst. F 2013, 69,463-467
240	Structure of zebrafish MO25	Zhang Zhenzhen	Acta Cryst. F 2013, 69, 989-993
241	Crystal Structure of Enterovirus 71 RNA-Dependent RNA Polymerase Complexed with Its Protein Primer VPg: Implication for a trans Complexed with Its Protein Primer VPg: Implication for a trans	Chen Cheng	J virol 2013, 87(10), 5755-5768
242	Crystal Structure of the Full-Length Japanese Encephalitis Virus NS5 Reveals a Conserved Methyltransferase-Polymerase Interface	Lu Guoliang	PLOS Pathogens 2013, 9(8),e1003549
243	Crystal structure of wild-type and mutant human Ap4A hydrolase	Ge Honghua	Biochem Biophys Res Commun. 2013, 432, 16-21
244	Expression, crystallization and preliminary crystallographic study of GluB from Corynebacterium glutamicum	Liu Qingbo	Acta Cryst. F 2013, 69, 657-659
245	Structural insight into Golgi membrane stacking by GRASP65 and GRASP55	Feng Yanbin	J Biol Chem 2013, 288(39):28418-27
246	Structural insight into plant programmed cell death mediated by BAG proteins in Arabidopsis thaliana	Fang Shasha	Acta Cryst. D 2013, 69,934-945

247	BETS3[cu2(C2O4)3](CH3OH)2:an organic-inorganic hybrid antiferromagnetic metal(BETS=bisethylene(tetraselenfulvalene))	Zhang Bin	Crystengcomm 2013, 15, 3529-3535
248	Structural and Functional Characterization of K339T Substitution Identified in the PB2 subunit Cap-binding Pocket of Influenza A Virus.	LIU Yong	J. Biol. Chem. 2013, 288(16): 11013-11023
249	Tip-to-tip interaction in the crystal packing of PACSIN 2 is important in regulating tubulation activity.	BAI Xiaoyun	Protein & Cell. 2013,4(3): 695-701
250	Structural insight into dGTP-dependent activation of tetrameric SAMHD1 deoxynucleoside triphosphate triphosphohydrolase	Zhu Chunfeng	Nature communications 2013, 4, 2722