

161、郑小宏, 兰杰, 郝华, 曾雉, GPU 加速在第一性原理输运研究中的应用, 科研信息化技术与应用, 4, 90-96 (2013)。

160、全亚民, 刘大勇, 邹良剑, 非线性边界和等式约束条件下的高维函数优化算法研究, 科研信息化技术与应用, 4 (5), 10-17 (2013)。

159、X. L. Wang (王贤龙), X. H. Zheng, and Z. Zeng, Ferromagnetic sandwich-like wires constructed with transition metals and anthracene, Appl. Phys. Lett. 103, 032404 (2013).

158、W. H. Zhou (周望怀), Y. G. Li, L. F. Huang, Z. Zeng, and X. Ju; Dynamical Behaviors of Self-interstitial Atoms in Tungsten, Journal of Nuclear Materials, 437, 438 (2013).

157、T. F. Cao (曹腾飞), L. F. Huang, X. H. Zheng, P. L. Gong and Z. Zeng; Understanding the stability and dynamical process of hydrogen trimers on graphene, J. Appl. Phys 113, 173707 (2013).

156、T. F. Cao (曹腾飞), L. F. Huang, X. H. Zheng, W. H. Zhou and Z. Zeng; Adsorption configurations and scanning voltage determined STM images of small hydrogen clusters on bilayer-graphene, J. Chem. Phys 139, 194708 (2013).

155、T. Jia (贾婷), H. Wu, X. L. Zhang, T. Liu, Z. Zeng and H. Q. Lin; Pressure-induced spin-state and insulator-metal transitions in Sr₃Fe₂O₅ from first principles, Europhys. Lett. 102, 67004 (2013).

154、C. X. Zhao (赵承祥), W. Xu, and F. M. Peeters; Cerenkov emission of terahertz acoustic-phonons from graphene, Appl. Phys. Lett. 102, 222101 (2013).

153、J. Zhang (张洁), and Z. Zeng; Electronic and optical properties of perfect MgO and MgO with F center under high pressure, International Journal of Modern Physics C 24, 1350052 (2013).

152、Y. M. Xie (谢源淼), Z. R. Yang, Z. T. Zhang, L. H. Yin, X. L. Chen, W. H. Song, Y. P. Sun, S. Q. Zhou, W. Tong and Y. H. Zhang, Magnetic-polaron-induced colossal magnetocapacitance in CdCr₂S₄, EPL, 104 (2013) 17005.

151、Z. T. Zhang (张志涛), Z. R. Yang, W. J. Lu, X. L. Chen, L. Li, Y. P. Sun, C. Y. Xi, L. S. Ling, C. J. Zhang, L. Pi, M. L. Tian, and Y. H. Zhang, Superconductivity in Fe_{1.05}Te: Ox single crystals, Physical Review B 88, 214511 (2013).

150、Y. N. Huang (黄亚楠), B. C. Zhao, S. Lin, W. H. Song, and Y. P. Sun, Renormalized bands and low-temperature colossal thermopower induced by Ir doping in Ca₃Co₄O₉ system, Journal of Applied Physics, 114, 093709 (2013).

149、S. Lin (藺帅), B. S. Wang, P. Tong, Y. N. Huang, W. J. Lu, B. C. Zhao, W. H. Song, and Y. P. Sun, Magnetism and large reversible room-temperature magnetocaloric properties of antiperovskite compounds Zn_{1-x}N_xFe_{3-2x}Mn_{2x} (0 ≤ x ≤ 1), Journal of Alloys and Compounds,

572, 145-149 (2013).

148、J. C. Lin (林建超), P. Tong, B. S. Wang, S. Lin, W. J. Lu, B. C. Zhao, and Y. P. Sun, The magnetic and electrical transport properties of the Co-doped antiperovskite compounds $\text{CuNMn}_{3-x}\text{Co}_x$ ($0 \leq x \leq 0.15$), *Physics Express* 3, 33 (2013).

147、L. H. Yin (尹利华), Y. Liu, S. G. Tan, B. C. Zhao, J. M. Dai, W. H. Song, and Y. P. Sun, Multiple temperature-induced magnetization reversals in $\text{SmCr}_{1-x}\text{Fe}_x\text{O}_3$ system, *Materials Research Bulletin* 48, 4016 (2013).

146、L. H. Yin (尹利华), B. Yuan, J. Chen, D. M. Zhang, Q. L. Zhang, J. Yang, J. M. Dai, W. H. Song, and Y. P. Sun, Dielectric relaxations and magnetodielectric response in BiMn_2O_5 single crystals, *Applied Physics Letters* 103, 152908 (2013).

145、H. B. Jian (菅洪彬), Z. R. Yang, X. B. Zhu, Y. P. Sun, Effect of Zr addition on critical current density of $(\text{Y,Gd})\text{Ba}_2\text{Cu}_3\text{O}_y$ and $(\text{Y,Eu,Gd})\text{Ba}_2\text{Cu}_3\text{O}_y$ thin films deposited by TFA-MOD process, *Physica Status Solidi A* 210, 1647 (2013).

144、H. B. Jian (菅洪彬), Z. Z. Hui, Z. R. Yang, X. B. Zhu, Y. P. Sun, Enhanced J_c in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Thin Films by Low-Level Cr Doping, *IEEE Transactions on Applied Superconductivity*, 23, 8003005 (2013).

143、R. H. Wei (魏仁怀), H. B. Jian, X. W. Tang, J. Yang, L. Hu, L. Chen, J. M. Dai, X. B. Zhu, Y. P. Sun, Enhanced Thermoelectric Properties in Cu-Doped c-Axis-Oriented $\text{Ca}_3\text{Co}_4\text{O}_{9+\delta}$ Thin Films, *Journal of the American Ceramic Society* 96, 2396 (2013).

142、M. Zhang (张敏), Z. F. Zi, Q. C. Liu, P. Zhang, X. W. Tang, J. Yang, X. B. Zhu, Y. P. Sun, and J. M. Dai, Size Effects on Magnetic Properties of $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ Prepared by Sol-Gel Method, *Advances in Materials Science and Engineering*, 2013, 609819 (2013).

141、Xiujuan Wang (王秀娟), Guowen Meng, Chuhong Zhu, Zhulin Huang, Yiwu Qian, Kexi Sun and Xiaoguang Zhu, A Generic Synthetic Approach to Large-Scale Pristine-Graphene / Metal-Nanoparticles Hybrids, *Adv. Funct. Mater.* 23, 5771 (2013).

139、Kexi Sun (孙克喜), Guowen Meng, Qing Huang, Xianglong Zhao, Chuhong Zhu, Zhulin Huang, Yiwu Qian, Xiujuan Wang and Xiaoye Hu; Gap-tunable Ag-nanorod arrays on alumina nanotip arrays as effective SERS substrates, *J. Mater. Chem. C*, 1, 5015 (2013).

138、Xiangdong Li (李祥东), Guowen Meng, An-Ping Li, Zhaoqin Chu, Xiaoguang Zhu and Mingguang Kong; A facile low-temperature growth of large-scale uniform two-end-open Ge nanotubes with hierarchical branches, *J. Mater. Chem. C*, 1, 5471 (2013).

137、刁千顺、蒋卫斌、孔庆平、蔡民、刘长松、方前锋, 纯镁单晶制备研究, *人工晶体学报*, 42, 4, 598, 2013。

136、Xiang-shan Yuan (袁向山), Chi Song, Xiang-Shan Kong, Yi-Chun Xu, Q. F. Fang, C. S.

Liu, Segregation of alloying atoms on the Fe(100) surface and their effects on oxygen adsorption, *Physica B*, 425, 42-47 (2013).

135、Chi Song (宋驰), Dongdong Li, Yichun Xu, Bicao Pan, Changsong Liu & Zhiguang Wang; Ab initio molecular dynamics study of temperature dependent structure properties of liquid lead-bismuth eutectic alloy, *Physica B* 429, 6-11 (2013).

134、Xiangyan Li (李祥艳), Wei Liu, Yichun Xu, C. S. Liu, Q. F. Fang, B. C. Pan & Zhiguang Wang; Energetic and kinetic behaviors of small vacancy clusters near a symmetric $\{5(310)/[001]$ tilt grain boundary in bcc Fe; *J. Nucl. Mater* 440, 250 (2013).

133、Xiangyan Li (李祥艳), Wei Liu, Yichun Xu, C. S. Liu, Q. F. Fang, B. C. Pan, Jun-Ling Chen, G-N. Luo & Zhiguang Wang; An energetic and kinetic perspective of the grain-boundary role in healing radiation damage in tungsten; *Nucl. Fusion* 53, 123014 (2013).

132、Jun-Feng YANG (杨俊峰), Yan JIANG, Jens HARDELL, Braham PRAKASH, and Qian-Feng FANG, Influence of service temperature on tribological characteristics of self-lubricant coatings, *Front. Mater. Sci.* 2013, 7, 1, 28-39. **(Invited Review)**

131、J. F. Yang (杨俊峰), Z. G. Yuan, X. P. Wang, Q. F. Fang, Characterization of W-Ta-N hard films synthesized by direct magnetron sputtering, *Surface and Coatings Technology*, 231 (2013) 19-23.

130、Hu-Jing (胡菁), ZHANG Yanwen, WANG Xianping, ZHAO Ziqiang, FANG Qianfeng, LIU Changsong, Effects of Si³⁺ and H⁺ Irradiation on Tungsten Evaluated by Internal Friction Method, *Plasma Science and Technology*, 15, 10, 1071-1075 (2013).

129、T. Zhang (张涛), Q. Wei, R. K. Zheng, X. P. Wang, and Q. F. Fang; In situ control of electronic phase separation in La_{1/8}Pr_{4/8}Ca_{3/8}MnO₃/PNM-PT thin films using ferroelectric-poling-induced strain, *JOURNAL OF APPLIED PHYSICS* 113, 013705 (2013).

128、Q. X. Sun (孙钦星), Q. F. Fang, Y. Zhou, Y. P. Xia, T. Zhang, X. P. Wang, C. S. Liu, Development of oxide dispersion strengthened ferritic steel prepared by chemical reduction and mechanical milling, *J. Nucl. Mater.* 439 (2013) 103.

127、Z. G. Yuan (袁志刚), J. F. Yang, Z. J. Cheng, X. P. Wang, Q. F. Fang, Preparation and characterization of the Mo(C)N/Mo(C) multilayer coating, *Surface and Coatings Technology*, 231 (2013) 14-18.

126、X. P. Wang (王先平), Y. Xia, J. Hu, Y. P. Xia, Z. Zhuang, L. J. Guo, H. Lu, T. Zhang, Q. F. Fang, Phase transition and conductivity improvement of tetragonal fast lithium ionic electrolyte Li₇La₃Zr₂O₁₂, *Solid State Ionics*, 253 (2013) 137-142.

125、Xiaodong Qiu (邱晓东), Shulin Ji, Chao Chen, Guangqiang Liu and Changhui Ye; Synthesis, characterization, and surface-enhanced Raman scattering of near infrared absorbing Cu₃SbS₃ nanocrystals, *CrystEngComm*, 15, 10431-10434 (2013).

124、Xue M (薛萌), Zhang X, Ma L, Gu Z, Lin YX, Bao C and Tian XY, Structure and Thermal Behavior of EPDM/POSS Composite Fibers Prepared by Electrospinning, *Journal of Applied Polymer Science*. 128, 2395-2401 (2013).

123、Xue M (薛萌), Zhang X, Wu ZF, Wang H, Ding X and Tian XY, Preparation and Flame Retardancy of Polyurethane/POSS Nanocomposites, *Chinese Journal of Chemical Physics*. 26, 445-450 (2013).

122、Shaojiang Bu (步绍姜), Xinhua Li, Long Wen, Xuesong Zeng, Yufeng Zhao, Wenbo Wang, and Yuqi Wang, Optical and electrical simulations of two-junction III-V nanowires on Si solar cell, *Applied Physics Letters*, 102, 031106 (2013).

121、Yuelu Ren (任月路), Kun Wang, Bo Zhu, Xinfu Wang, Xingfu Wang & Fusheng Han; Synthesis of ZnO micro-rods on the cell walls of open celled Al foam and their effect on the sound absorption behavior, *Materials Letters*, 91, 242 (2013).

120、Xianfeng Duan (段先锋), Dan Wang, Kun Wang & Fusheng Han; Twinning behaviour of TWIP steel studied by Taylor factor analysis, *Philosophical Magazine Letters*, 93, 5, 316 (2013).

119、孔明光, 储昭琴, 韩成良; 针簇状 ZnO 粉体的制备与表征; 电子显微学报 *J Chin Electra Micros Soc*, 增刊: 22-23 (2013)。

118、储昭琴, 朱晓光, 孔明光; JEM-2010 型透射电镜设备改进与功能扩展; 电子显微学报 *J Chin Electra Micros Soc*, 增刊: 117-118 (2013)。

117、X. H. Huang (黄小虎), G. H. Li, L. B. Kong and T. Wu; Anisotropic surface strain in single crystalline cobalt nanowires and its impact on the diameter-dependent Young's modulus, *Nanoscale*, 5 (2013) 11643.

116、J. M. Xu (徐俊敏), L. Li, S. Wang, H. L. Ding, Y. X. Zhang and G. H. Li; Influence of Sb doping on the structural and optical properties of tin oxide nanocrystals, *CrystEngComm* 15 (2013) 3296.

115、F. Y. Kong (孔凤玉), M. Li, J. Zhang, Y. Xu, D. B. Li, Z. Zeng and G. H. Li; Hydrothermal Synthesis of W and Mo co-doped VO₂ (R) Microrods at Low Temperature, *Open Journal of Advanced Materials Research* 1 (2013) 1-6.

114、Y. Y. Luo (罗媛媛), L. Q. Zhu, Y. X. Zhang, S. S. Pan, S. C. Xu, M. Liu and G. H. Li; Optimization of microstructure and optical properties of VO₂ thin film prepared by reactive sputtering, *J. Appl. Phys.* 113 (2013) 183520.

113、Y. Y. Liu (刘艳颜), Y. X. Zhang, H. D. Ding, S. C. Xu, M. Li, F. Y. Kong, Y. Y. Luo and G.H. Li; Self-assembly of noble metallic spherical aggregates from monodisperse nanoparticles: their synthesis and pronounced SERS and catalytic properties, *J. Mater. Chem. A* 1 (2013) 3362.

112、M. Li (李明), D. B. Li, J. Pan and G. H. Li; W-doped VO₂ (M) with tunable phase transition temperature, *Appl. Mech. Mater.* 320 (2013) 483.

111、Tong Wang (王统), Lide Zhang, Junxi Zhang & Guomin Hua, Synthesis and characterization of mesoporous CeO₂ nanotube arrays, *Microporous and mesoporous materials*, 171, 196 (2013).

110、Guo Liang Shang (商国亮), Guang Tao Fei, Shao Hui Xu, Peng Yan, Li De Zhang, Preparation of the very uniform pore diameter of anodic alumina oxidation by voltage compensation mode; *Mater. Lett.*, 110, 156-159 (2013).

109、M. Liu (刘毛), R. Ma, M. Fang, F. D. Li, S. H. Kang, H. M. Wang, G. T. Fei, and L. D. Zhang, Structural, optical and adsorptive properties of tantalates by a facile hydrothermal method, *J. Appl. Phys.* 114, 123516 (2013).

108、Hao Miao Ouyang (欧阳浩淼), Guang Tao Fei, Yao Zhang, Hao Su, Zhen Jin, Shao Hui Xu, and Li De Zhang, Large scale free-standing open-ended TiO₂ nanotube arrays: stress-induced self-detachment and in-situ pore opening; *J. Mater. Chem. C*, 1, 7498-7506 (2013).

107、Guo Liang Shang (商国亮), Guang Tao Fei, Yao Zhang, Peng Yan, Shao Hui Xu, and Li De Zhang, Preparation of narrow photonic bandgaps located in near infrared region and their applications on ethanol gas sensing; *J. Mater. Chem. C*, 1, 5285-5291 (2013).

106、X. Y. Li (李喜玉), D. Li, H. X. Xin, J. Zhang, C. J. Song, X. Y. Qin, Effects of bismuth doping on the thermoelectric properties of Cu₃SbSe₄ at moderate temperatures, *Journal of Alloys and Compounds*, 561 (2013) 105-108.

105、X. H. Yang (杨秀会), X. Y. Qin, J. Zhang, D. Li, H. X. Xin, M. Liu, Enhanced thermopower and energy filtering effect from synergetic scattering at heterojunction potentials in the thermoelectric composites with semiconducting nano-inclusions, *Journal of Alloys and Compounds*, 558 (2013) 203-211.

104、N. N. Wang (王宁宁), H. X. Xin, D. Li, X. J. Li, J. Zhang, X. Y. Qin, High temperature thermoelectric properties of Nb-doped ZnO ceramics, *J. Phys. Chem. Solids*, 74 (2013) 1811-1815.

103、Y. F. Liu (刘永飞), X. Y. Qin, H. X. Xin, C. J. Song, Synthesis of nanostructured Nd:Y₂O₃ powders by carbonate-precipitation process for Nd:YAG ceramics, *Journal of the European Ceramic Society*, 33 (2013) 2625-2631.

102、D. Li (李地), R. Li, X. Y. Qin, J. Zhang, C. J. Song, L. Wang, H. X. Xin, Co-precipitation synthesis of Sn and/or S doped nanostructured Cu₃Sb_{1-x}Sn_xSe_{4-y}S_y with a high thermoelectric performance, *Crystengcomm*, 15 (2013) 7166-7170.

101、D. Li (李地), X. Y. Qin, Y. F. Liu, N. N. Wang, C. J. Song, R. R. Sun, Improved thermoelectric properties for solution grown Bi₂Te_{3-x}Sex nanoplatelet composites, *Rsc*

Advances, 3, 2632-2638 (2013).

100、Q. Q. Wang (王晴晴), X. Y. Qin, D. Li, T. H. Zou, Enhancement of thermopower and thermoelectric performance through resonant distortion of electronic density of states of beta-Zn₄Sb₃ doped with Sm, Applied Physics Letters, 102, 154101 (2013).

99、Q. Q. Wang (王晴晴), X. Y. Qin, D. Li, R. R. Sun, T. H. Zou, N. N. Wang, Resonant distortion of electronic density of states and enhancement of thermoelectric properties of beta-Zn₄Sb₃ by Pr doping, Journal of Applied Physics, 113, 124901 (2013).

98、Y. C. Dou (窦允辰), X. Y. Qin, D. Li, L. L. Li, T. H. Zou, Q. Q. Wang, Enhanced thermopower and thermoelectric performance through energy filtering of carriers in (Bi₂Te₃)_{0.2}(Sb₂Te₃)_{0.8} bulk alloy embedded with amorphous SiO₂ nanoparticles, Journal of Applied Physics, 114, 044906 (2013).

97、L. L. Li (李亮亮), R. R. Sun, X. Y. Qin, Y. F. Liu, G. L. Guo, Synthesis and Thermoelectric Properties of Nd-doped Uddlesden-Popper Phase SrO(SrTiO₃)_n (n=1,2) Oxides, Energy and Environment Materials, 743, 94-99 (2013).

96、Yunyu Cai (蔡云雨), Yixing Ye, Zhenfei Tian, Jun Liu, Yishu Liu and Changhao Liang, In situ growth of lamellar ZnTiO₃ nanosheets on TiO₂ tubular array with enhanced photocatalytic activity, Phys. Chem. Chem. Phys. 15, 20203 (2013).

95、Yunyu Cai (蔡云雨), Panpan Wang, Yixing Ye, Jun Liu, Zhenfei Tian, Yishu Liu and Changhao Liang, Grafting BiOCl nanosheets onto TiO₂ tubular arrays to form a hierarchical structure with improved photocatalytic performance, RSC Adv., 3, 19064 (2013).

94、Zhengfei Dai (戴正飞), Lichao Jia, Guotao Duan, Yue Li, Hongwen Zhang, Jingjing Wang, Jinlian Hu and Weiping Cai, Crack-free periodic porous thin films assisted by plasma irradiation at low temperature and their enhanced gas-sensing performance, Chemistry-A European Journal, 19, 13387-13395 (2013). **(Inside Cover)**

93、Hui He (何辉), Weiping Cai, Zhengfei Dai, Guangqiang Liu and Hanhe Li, Fabrication of porous Ag hollow sphere arrays based on coated template-plasma bombardment, Nanotechnology, 24, 465302 (2013).

92、D. Y. Liu (刘大勇), Y. Guo, X. L. Zhang, J. L. Wang, Z. Zeng, H. Q. Lin, and L. J. Zou; Interlayer magnetic-frustration-driven quantum spin disorder in the honeycomb compound In₃Cu₂VO₉, Europhys. Lett. 103, 47010 (2013).

91、Shulin Ji (季书林), Tongfei Shi, Xiaodong Qiu, Jian Zhang, Guoping Xu, Chao Chen, Zheng Jiang & Changhui Ye; A Route to Phase Controllable Cu₂ZnSn(S_{1-x}Se_x)₄ Nanocrystals with Tunable Energy Bands, Sci. Rep. 3, 2733 (2013).

90、Xiaoxia Xu (许小霞), Guotao Duan, Yue Li, Hongwen Zhang, Guangqiang Liu and Weiping Cai, Synthesis of nano-cubic ZnSn(OH)₃ based on stannate reaction with liquid laser

ablation-induced ZnO below room temperature, CrystEngComm, 15, 6159-6164 (2013).

89、F. Zhou (周飞), Y. Liu, W. P. Cai, Plasmonic holographic imaging with V-shaped nanoantenna array, Opt. Express, 21, 4348 (2013).

88、J. J. Wang (王晶晶), G. T. Duan, Y. Li, G. Q. Liu, Z. F. Dai, H. W. Zhang and W. P. Cai, An Invisible Template Method towards Gold Regular Arrays of Nanoflowers by Electrodeposition, Langmuir 29, 3512 (2013).

87、G. Q. Liu (刘广强), W. P. Cai, L. C. Kong, G. T. Duan, Y. Li, J. J. Wang, Z. X. Cheng, Trace detection of cyanide based on SERS effect of Ag nanoplate-built hollow microsphere arrays, Journal of Hazardous Materials, 248-249, 435-441 (2013).

86、G. Q. Liu (刘广强), G. T. Duan, J. J. Wang, H. Z. Wang, W. P. Cai, Y. Li, Fabrication of Self-standing Silver Nanoplate Arrays by Seed Decorated Electrochemical Route and Their Structure-induced Properties, Journal of Nanomaterials 365947, 1-7, (2013).

85、Y. Li (李越), G. T. Duan, G. Q. Liu, W. P. Cai, Physical processes-aided periodic micro/nanostructured arrays by colloidal template technique: fabrication and applications, Chemical Society Reviews, 42, 3614 (2013).

84、Xianbiao Wang (王献彪), Weiping Cai, Shengwen Liu, Guozhong Wang, Zhikun Wu, Huijun Zhao, ZnO hollow microspheres with exposed porous nanosheets surface: Structurally enhanced adsorption towards heavy metal ions, Colloids and Surfaces A: Physicochem. Eng. Aspects 422, 199-205 (2013).

83、Hongwen Zhang (张洪文), Guotao Duan, Guangqiang Liu, Yue Li, Xiaoxia Xu, Zhengfei Dai, Jingjing Wang and Weiping Cai, Layer-controlled synthesis of WO₃ ordered nanoporous films for optimum electrochromic application, Nanoscale, 5, 2460 (2013).

82、X. B. Wang (王献彪), W. P. Cai, G. Z. Wang, Z. K. Wu, and H. J. Zhao, One-step fabrication of high performance micro/nanostructured Fe₃S₄-C magnetic adsorbent with easy recovery and regeneration properties, CrystEngComm 15, 2956 (2013).

80、Shao Hui Xu (许少辉), Guang Tao Fei, Xiao Guang Zhu, and Li De Zhang, Orientation-dependent Growth Rate of Crystalline Plane Study in Electrodeposited Ni/Cu Superlattice Nanowires, CrystEngComm, 15 (20), 4070-4076 (2013).

79、H. M. Zhang (张和民), J. Liu, Y. X. Ye, Z. F. Tian and C. H. Liang, Synthesis of Mn-doped α -Ni(OH)₂ nanosheets assisted by liquid-phase laser ablation and their electrochemical properties, Physical Chemistry Chemical Physics 15, 5684 (2013).

78、Y. Y. Cai (蔡云雨), C. C. Sheng, C. H. Liang, Top electrode material related bipolar memory and unipolar threshold resistance switching in amorphous Ta₂O₅ films, Applied Physics A 111, 1065 (2013).

77、Zhikun Wu (伍志鲲), Rongchao Jin, Exclusive synthesis of Au₁₁ (PPh₃)₈Br₃ against the Cl Analogue and the Electronic Interaction between Cluster Metal Core and Surface Ligands, Chem. Eur. J., 19, 12259-12263 (2013).

76、S. C. Xu (许思超), Y. X. Zhang, S. Wang, J. M. Xu, H. L. Ding and G. H. Li, Structure-enhanced photocatalytic removal of Cr(VI) of a TiO₂ superstructure with ultrathin rutile nanorods and abundant {110} faces, Eur. J. Inorg. Chem. 2601-2607 (2013).

75、S. C. Xu (许思超), Y. X. Zhang, Y. Y. Luo, S. Wang, H. L. Ding, J. M. Xu and G. H. Li, Ag-decorated TiO₂ nanograss for 3D SERS-active substrate with visible light self-cleaning and reactivation, Analyst, 138 (16), 4519 (2013).

74、M. Li (李明); D. B. Li; J. Pan; J. C. Lin; G-H. Li, Selective Synthesis of Vanadium Oxides and Investigation of the Thermochromic Properties of VO₂ by Infrared Spectroscopy. European Journal of Inorganic Chemistry 2013, 1207-1212 (2013).

73、W. Xu (许伟), G. W. Meng, Q. Huang, X. Y. Hu, Z. L. Huang, H. B. Tang, J. X. Zhang, Large-scale uniform Ag-NW tip array with enriched sub-10-nm gaps as SERS substrate for rapid determination of trace PCB77, Applied Surface Science 271, 125 (2013).

72、Z. L. Huang (黄竹林), G. W. Meng, Q. Huang, B. Chen, C. H. Zhu and Z. Zhang. Large-area Ag nanorod array substrates for SERS: AAO template-assisted fabrication, functionalization, and application in detection PCBs, J. Raman Spectrosc., 44, 240-246 (2013).

71、X. L. Zhao (赵相龙), G. W. Meng, F. M. Han, X. D. Li, B. S. Chen, Q. L. Xu, X. G. Zhu, Z. Q. Chu, M. G. Kong, and Q. Huang, Nanocontainers made of Various Materials with Tunable Shape and Size. Scientific Reports 3, 2238 (2013).

70、C. H. Zhu (朱储红), G. W. Meng, Q. Huang, Y. Zhang, H. B. Tang, Y. W. Qian, B. Chen, and X. J. Wang, Ostwald-Ripening-Induced Growth of Parallel Face-Exposed Ag Nanoplates on Micro-Hemispheres for High SERS Activity, Chem. Eur. J., 19, 9211 (2013).

69、M. L. Wang (王美玲), G. W. Meng, Q. Huang, Y. Gu and Y. L. Lu, Fluorophore-modified Fe₃O₄-magnetic-nanoparticles for determination of heavy metal ions in water, Sensors and Actuators B: Chemical, 185, 47-52 (2013).

68、D. B. Li (李登兵), Li. M.; Pan. J.; Zhang. Y. X.; Li. G. H, Thermal Oxidation of V₂O₃ Nanocrystals: A Template Method for the Fabrication of Monoclinic Phase VO₂ Nanocrystals, Journal of Nanoscience and Nanotechnology, 13(8), 5469-5473 (2013).

67、Shu Sheng Pan (潘书生), Siu Fung Yu, Yun Xia Zhang, Yuan Yuan Luo, Shuan Wang, Jun Min Xu, and Guang Hai Li, Crystallite size-modulated exciton emission in SnO₂ nanocrystalline films grown by sputtering, Journal of Applied Physics 113, 143104 (2013).

65、Y. Q. Dai (戴玉强), J. M. Dai, X. W. Tang, Q. C. Liu, J. Yang, X. B. Zhu and Y. P. Sun, Magnetic annealing effects on the properties of multilayer BaTiO₃/CoFe₂O₄ thin films, J.

Korean Phys. Soc. 62, 2213 (2013).

64、P. Tong (童鹏), B. S. Wang, and Y. P. Sun, Mn-based antiperovskite functional materials: Review of research, Chinese Physics B 22, 067501 (2013). **(Invited Topical Review)**

63、Y. N. Huang (黄亚楠), B. C. Zhao, R. Ang, S. Lin, Z. H. Huang, S. G. Tan, Y. Liu, W. H. Song, Y. P. Sun, Enhanced Thermoelectric Performance and Room-Temperature Spin-State Transition of Co^{4+} Ions in the $\text{Ca}_3\text{Co}_{4-x}\text{RhxO}_9$ system, The Journal of Physical Chemistry C 117, 11459 (2013).

62、Y. N. Huang (黄亚楠), B. C. Zhao, R. Ang, S. Lin, W. H. Song, Y. P. Sun, Structure, magnetic and transport properties in $\text{Ca}_3\text{Co}_{4-x}\text{SbxO}_9$ ceramics, Journal of Alloys and Compounds 574, 233 (2013).

61、Y. Liu (刘育), S. B. Zhang, L. J. Li, W. J. Lu, B. C. Zhao, P. Tong, W. H. Song, S. Lin, Y. N. Huang, Z. H. Huang, S. G. Tan and Y. P. Sun, Synthesis, structure and properties of the new layered manganese oxyselenide $\text{Sr}_2\text{F}_2\text{Mn}_2\text{Se}_2\text{O}$, Journal of Alloys and Compounds 580, 211-216 (2013).

60、Y. Liu (刘育), R. Ang, W.J. Lu, W.H. Song, L.J. Li and Y.P. Sun, Superconductivity induced by Se-doping in layered charge-density-wave system $1\text{T-TaS}_2-x\text{Sex}$, Applied Physics Letters 102, 192602 (2013).

59、L. H. Yin (尹利华), J. Yang, B. C. Zhao, Y. Liu, S. G. Tan, X. W. Tang, J. M. Dai, W. H. Song, and Y. P. Sun, Large remnant polarization and magnetic field induced destruction of cycloidal spin structure in $\text{Bi}_{1-x}\text{LaxFeO}_3$ ($0 \leq x \leq 0.2$), Journal of Applied Physics 113, 214104 (2013).

58、L. H. Yin (尹利华), R. Ang, Z. H. Huang, Y. Liu, S. G. Tan, Y. N. Huang, B. C. Zhao, W. H. Song, and Y. P. Sun, Exotic reinforcement of thermoelectric power driven by Ca doping in layered $\text{Bi}_2\text{Sr}_{2-x}\text{CaxCo}_2\text{O}_y$, Applied Physics Letters 102, 141907 (2013).

57、Ling Hu (胡令), Zhigao Sheng, Xuan Luo, Yu Liu, Zhonghao Huang, Wenhai Song and Yuping Sun, Crossover of persistent photoconductivity in a phase-separated $\text{La}_{0.325}\text{Pr}_{0.3}\text{Ca}_{0.375}\text{MnO}_3$ thin film, Phys. Scr. 87, 055701 (2013).

56、L. J. Li (黎丽君), W. J. Lu, Y. Liu, Z. Qu, L. S. Ling, Y. P. Sun, Influence of defects on charge-density-wave and superconductivity in 1T-TaS_2 and 2H-TaS_2 systems, Physica C 492, 64-67 (2013).

55、Hongbin Jian (菅洪彬), Dingfu Shao, Zhaorong Yang, Xuebin Zhu and Yuping Sun, J_c enhancement and flux pinning in $\text{Y}_{1-x}\text{GdxBCO}$ and (Gd, Eu) codoped $\text{Y}_{0.9-y}\text{EuyGd}_{0.1}\text{BCO}$ thin films by TFA-MOD, Physica C 488, 39-45 (2013).

54、Y. M. Xie (谢源淼), Z. R. Yang, Z. T. Zhang, C. Shen, L. Li, L. S. Ling, L. Pi, Y. P. Sun, Y. H. Zhang, Magnetic field and pressure effects on magnetism of bond-frustrated ZnCr_2S_4 , Journal of Magnetism and Magnetic Materials 339, 81-83 (2013).

- 53、X. Ding (丁欣), H. Wang, X. Y. Tian and K. Zheng, Preparation and Properties of Conductive Epoxy Resin Composites, *Advanced Materials Research* 669, 171 (2013).
- 52、H. Zhang (张惠), A. J. Xie, C. P. Wang, H. S. Wang, Y. H. Shen and X. Y. Tian, Novel rGO/a-Fe₂O₃ composite hydrogel: synthesis, characterization and high performance of electromagnetic wave absorption, *J. Mater. Chem. A* 1, 8547 (2013).
- 51、X. B. Wu (吴学邦), X. S. Kong, Y. W. You, C. S. Liu, Q. F. Fang, J. L. Chen, G.-N. Luo, and Z. G. Wang, Effects of alloying and transmutation impurities on stability and mobility of helium in tungsten under a fusion environment, *Nuclear Fusion* 53, 073049 (2013).
- 50、Zhaofeng Wu (吴钊峰), Hua Wang, Xingyou Tian, Xin Ding, Meng Xue, Haifeng Zhou, Kang Zheng. Mechanical and flame-retardant properties of styrene-ethylene-butylene-styrene / carbon nanotube composites containing bisphenol A bis (diphenyl phosphate). *Composites Science and Technology* 82 (2013) 8-14.
- 49、Zhaofeng Wu (吴钊峰), Meng Xue, Hua Wang, Xingyou Tian, Xin Ding, Kang Zheng, Ping Cui. Electrical and flame-retardant properties of carbon nanotube/poly (ethylene terephthalate) composites containing bisphenol A bis (diphenyl phosphate). *Polymer* 54 (2013) 3334-3340.
- 48、W. Fan (范巍), L. J. Zou and Z. Zeng, Ferromagnetism on surface of YBa₂Cu₃O₇ particle, *Physica C* 492, 80 (2013).
- 47、J. Liu (刘俊), C. H. Liang, Z. F. Tian, S. Y. Zhang and G. S. Shao, Spontaneous growth and chemical reduction ability of Ge nanoparticles, *Scientific Report* 3, 1741 (2013).
- 46、C. H. Miao (缪春辉), T. F. Shi, G. P. Xu, S. L. Ji, and C. H. Ye; Photocurrent enhancement for Ti-doped Fe₂O₃ thin film photoanodes by an In situ solid-state reaction method, *ACS Appl. Mater. Interfaces*, 5 1310-1316 (2013).
- 45、J. Liu (刘俊), C. H. Liang, G. P. Xu, Z. F. Tian, G. S. Shao and L. D. Zhang, Ge-doped hematite nanosheets with tunable doping level, structure and improved photoelectrochemical performance, *Nano Energy* 2, 328 (2013).
- 44、H. M. Zhang (张和民), C. H. Liang, J. Liu, Z. F. Tian and G. S. Shao, The formation of onion-like carbon-encapsulated cobalt carbide core/shell nanoparticles by the laser ablation of metallic cobalt in acetone, *Carbon* 55, 108 (2013).
- 43、D. Y. Liu (刘大勇), Y. M. Quan, X. J. Zheng, X. L. Yu, L. J. Zou, Band-filling and correlation controlling electronic properties and magnetism in KxFe₂-ySe₂: A slave boson study, *J. Phys.: Condens. Matter* 25, 125601 (2013).
- 42、Zhengfei Dai (戴正飞), Lei Xu, Guotao Duan, Tie Li, Hongwen Zhang, Yue Li, Yi Wang, Yuelin Wang, and Weiping Cai, Fast-Response, Sensitivitive and Low-Powered Chemosensors by Fusing Nanostructured Porous Thin Film and IDEs-Microheater Chip, *Scientific Reports*, 3,

1669 (2013).

41、L.F. Huang (黄良锋) , and Z. Zeng; Lattice dynamics and disorder-induced contraction in functionalized graphene, JOURNAL OF APPLIED PHYSICS 113, 083524 (2013).

40、L. F. Huang (黄良锋) , G. R. Zhang, X. H. Zheng, P. L. Gong, T. F. Cao, and Z. Zeng; Understanding and tuning the quantum-confinement effect and edge magnetism in zigzag graphene nanoribbon, J. Phys.: Condens. Matter 25, 055304 (2013).

39、S. Lin(蒯帅) , B. S. Wang, P. Tong, J. C. Lin, Y. N. Huang, B. C. Zhao, W. J. Lu, W. H. Song, and Y. P. Sun, Extremely low temperature coefficient of resistivity in antiperovskite compounds $MxGa_{1-x}CFe_3$ ($M=Cu, Ag$), Journal of Alloys and Compounds, 551, 591-595 (2013).

38、S. Lin (蒯帅) , B. S. Wang, T. Pong, Y. N. Huang, D. F. Shao, B. C. Zhao, W. J. Lu, W. H. Song, and Y. P. Sun, The magnetic/electrical phase diagram of Cr-doped antiperovskite compounds $GaCFe_3-xCr_x$ ($x=0-0.9$), Advances in Condensed Matter Physics, 2013, 729458 (2013).

37、S. Lin (蒯帅) , T. Pong, B. S. Wang, Y. N. Huang, W. J. Lu, D. F. Shao, B. C. Zhao, W. H. Song, and Y. P. Sun, Magnetic and electrical/thermal transport properties of Mn-doped $Mn_{1+x}AX_n$ phase compounds $Cr_{2-x}Mn_xGaC$ ($0 \leq x \leq 1$), Journal of Applied Physics, 113, 053502 (2013).

36、S. Lin (蒯帅) , B. S. Wang, T. Pong, L. Hu, Y. N. Huang, W. J. Lu, B. C. Zhao, W. H. Song, and Y. P. Sun, Effects of carbon content on structural, magnetic, and electrical/thermal transport properties of antiperovskite compounds GaC_xFe_3 , Journal of Applied Physics, 113, 103906 (2013).

35、Y. N. Huang (黄亚楠) , B. C. Zhao, R. Ang, S. Lin, Z. H. Huang, Y. Liu, S. G. Tan, W. H. Song, and Y. P. Sun, Enhanced Electron Correlation in the In-doped Misfit-layered Cobaltite $Ca_3Co_4O_9$ Ceramics, J. Am. Ceram. Soc. 96, 791 (2013).

34、P. Tong (童鹏) , Despina Louca, Graham King, Anna Llobet, J. C. Lin, and Y. P. Sun, Magnetic transition broadening and local lattice distortion in the negative thermal expansion antiperovskite $Cu_{1-x}Sn_xNMn_3$, Applied Physics Letters 102, 041908 (2013).

33、Z. T. Zhang (张志涛) , Z. R. Yang, L. Li, Y. P. Sun, H. F. Du, J. Y. Yang, L. Pi, C. J. Zhang, M. L. Tian, and Y. H. Zhang, Annealing effects on superconductivity in $Rb_{0.81}Fe_{1.72}Se_2$ single crystal, J. Appl. Phys. 113, 17E128 (2013).

32、Z. T. Zhang (张志涛) , Z. R. Yang, L. Li, L. S. Ling, C. J. Zhang, L. Pi, and Y. H. Zhang, Doping effects of Co and Cu on superconductivity and magnetism in $Fe_{1+y}Te_{0.6}Se_{0.4}$ single crystals, J. Phys.: Condens. Matter 25, 035702 (2013).

31、X. L. Chen (陈绪亮) , Z. R. Yang, Y. M. Xie, Z. H. Huang, L. S. Ling, S. L. Zhang, L. Pi, Y. P. Sun, and Y. H. Zhang, Coexistence of incommensurate and commensurate spiral orders and

pressure effect on polycrystalline CoCr_2O_4 , *J. Appl. Phys.* 113, 17E129 (2013).

30、Q. C. Liu (刘强春), J. M. Dai, Z. F. Zi, A. B. Pang, Q. Z. Liu, D. J. Wu, and Y. P. Sun, Low Temperature Solution Synthesis and Microwave Absorption Properties of Multiwalled Carbon Nanotubes/ Fe_3O_4 Composites, *Journal of Low Temperature Physics* 170 (5-6), 261-267 (2013).

29、M. Zhang (张敏), Q. C. Liu, Z. F. Zi, Y. Q. Dai, X. B. Zhu, Y. P. Sun, J. M. Dai, Magnetic and microwave absorption properties of $\text{Ni}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ nanocrystalline synthesized by sol-gel method, *Science China Technological Sciences* 56, 13 (2013).

28、J. Yang (杨杰) and Y. P. Sun, Study of doping effect, phase separation and heterojunction in CMR manganites, *Sci. China-Phys. Mech. Astron.* 56, 85-98 (2013). (**invited review**)

27、J. Yang (杨杰), D. F. Shao, X. B. Zhu, Z. R. Yang, Y. P. Sun and Y. P. Lee, Ferrimagnetic transition in the compound $\text{Sr}_{0.9}\text{La}_{0.1}\text{Ti}_{0.9}\text{Co}_{0.1}\text{O}_3$, *Appl. Phys. Lett.* 102, 042406 (2013).

26、Xianwu Tang (汤现武), Xuebin Zhu, Jianming Dai, and Yuping Sun, Self-limited grain growth, dielectric, leakage and ferroelectric properties of nanocrystalline BiFeO_3 thin films by chemical solution deposition, *Acta Materialia* 61, 1739 (2013).

25、Xianwu Tang (汤现武), Jianming Dai, Xuebin Zhu, and Yuping Sun, In situ magnetic annealing effects on multiferroic Mn-doped BiFeO_3 thin films, *Journal of Alloys and Compounds*, 552, 186 (2013).

24、Xianwu Tang (汤现武), Xuebin Zhu, Jianming Dai, Jie Yang, Li Chen, and Yuping Sun, Evolution of the resistive switching in chemical solution deposited-derived BiFeO_3 thin films with dwell time and annealing temperature, *Journal of Applied Physics*, 113, 043706 (2013).

23、Hongbin Jian (菅洪彬), Zhiqing Zhang, Yujia Wang, Xianwu Tang, Jie Yang, Ling Hu, Li Chen, Xuebin Zhu, and Yuping Sun, Preparation of $\text{La}_{0.7}\text{Sr}_{0.3}\text{Mn}_{1+x}\text{O}_y$ ($1 \leq x \leq 4$) thin films by chemical solution deposition: dual epitaxy and possible spinodal growth, *Journal of Alloys and Compounds* 561 (2013) 95-100.

22、Y. Liu (刘育), P. Tong, S. G. Tan, W. J. Lu, L. J. Li, B. C. Zhao, S. B. Zhang and Y. P. Sun, The effects of Cu doping on the physical properties of the new layered superconductor $\text{Bi}_{4-x}\text{Cu}_x\text{O}_4\text{S}_3$, *Physica B* 412, 119-121 (2013).

21、Bangchuan Zhao(赵邦传), Yanan Huang, Jie Yang, Dongqin Dai, Jianming Dai, Yuping Sun, Transport and magnetic properties in the $\text{Dy}_{1-x}\text{Ca}_x\text{VO}_3$ ceramics, *Journal of Alloys and Compounds* 558 (2013) 222–228.

20、L. H. Yin (尹利华), R. Ang, B. C. Zhao, Y. N. Huang, Y. Liu, S. G. Tan, W. H. Song, Y. P. Sun, Evolution of the thermoelectric performance in low Ca-doped layered cobaltite $\text{Bi}_2\text{Sr}_2\text{Co}_2\text{O}_y$, *Solid State Communications* 158, 16 (2013).

19、X.B. Hu (胡兴波), L. Hu, X. Luo, B. C. Zhao, and Y. P. Sun, Different effects of Ce-doping

on orbital and spin ordering in perovskite vanadate $\text{Sm}_{1-x}\text{Ce}_x\text{VO}_3$, *Chin. Phys. B* 22, 047501 (2013).

18、Yankun Fu (付彦坤), Xianwu Tang, Jie Yang, Hongbin Jian, Xuebin Zhu, Yuping Sun, Preparation and Characterization of $\text{Ca}_3\text{Co}_4\text{O}_9$ Thin Films on Polycrystalline Al_2O_3 Substrates by Chemical Solution Deposition, *Journal of Materials Science and Technology*, 29, 13-16 (2013).

17、D. F. Shao (邵定夫), J. Yang, H. B. Jian, X. B. Zhu, and Y. P. Sun, Search for long range ferromagnetism: Charge and Spin co-doped $\text{Ba}_{1-x-y}\text{La}_x\text{Ti}_{1-x}\text{M}_y\text{O}_3$ ($\text{M} = \text{Cr, Fe and Co}$), *J. App. Phys.* 113, 063902 (2013).

16、D. F. Shao (邵定夫), W. J. Lu, J. C. Lin, P. Tong, H. B. Jian, and Y. P. Sun, Role of nitrogen in AlN_xMn_3 : A density functional theory study, *J. Appl. Phys.*, 113, 023905 (2013).

15、D. F. Shao (邵定夫), W. J. Lu, S. Lin, P. Tong, and Y. P. Sun, Structural, Elastic, and Electronic Properties of Antiperovskite Chromium-Based Carbides ACr_3 ($\text{A} = \text{Al and Ga}$), *Adv. Condens. Matter. Phys.*, 2013, 136274 (2013).

14、Hua Wang (王化), Lei Wang, Ruoxi Wang, Xingyou Tian, Kang Zheng, Design and synthesis of the polyaniline interface for polyamide 66/multi-walled carbon nanotube electrically conductive composites, *Colloid and Polymer Science*, 291 (4), 1001-1007 (2013).

12、C. Y. Zhang (张彩云), C. L. Zhang, J. F. Wang, C. H. Lu, Z. Zhuang, X. P. Wang, and Q. F. Fang, "Fabrication and In Vitro Investigation of Nanohydroxyapatite, Chitosan, Poly (L-lactic acid) Ternary Biocomposite", *J. Appl. Poly. Sci.* 127, 2152-2159 (2013).

11、Z. Q. Fan (范作强), T. Hao, S. X. Zhao, G. N. Luo, C. S. Liu, Q. F. Fang. The microstructure and mechanical properties of T91 steel processed by ECAP at room temperature. *Journal of Nuclear Materials* 434 (2013) 417-421.

10、Y. P. Xia (夏艳萍), X.P. Wang, Z. Zhuang, Q.X. Sun, T. Zhang, Q.F. Fang, T. Hao, C.S. Liu. Microstructure and oxidation properties of 16Cr-5Al-ODS steel prepared by sol-gel and spark plasma sintering methods. *Journal of Nuclear Materials* 432 (2013) 198-204.

9、Y. Zhou (周燕), Q.X. Sun, R. Liu, X.P. Wang, C.S. Liu, Q.F. Fang, Microstructure and properties of fine grained W-15wt.%Cu composite sintered by microwave from the sol-gel prepared powder, *Journal of Alloys and Compounds*, 547, 18-22 (2013).

8、Hu Jing (胡菁), WANG Xian-Ping, ZHUANG Zhong, ZHANG Tao, FANG Qian-Feng, LIU Chang-Song. Dynamic Behaviors of Hydrogen in Martensitic T91 Steel Evaluated by Using the Internal Friction Method. *CHIN. PHYS. LETT.* 30, 4 (2013) 046201.

7、Jing Hu (胡菁), Xian-Ping WANG, Qian-Feng FANG, Zi-Qiang ZHAO, Yan-Wen ZHANG, and Chang-Song LIU, Internal friction study of ambient aging behaviors of irradiated tungsten by Si/H ions, *Front. Mater. Sci.* 2013, 7 (1): 91-95.

- 6、Y. Jiang(蒋燕), J.F. Yang, Z. Zhuang, R. liu, Y. Zhou, X.P. Wang, Q.F. Fang, Characterization and properties of tungsten carbide coatings fabricated by SPS technique, Journal of Nuclear Materials, 433 (2013) 449-454.
- 5、T. Hao (郝汀), Z.Q. Fan, S.X. Zhao, G.N. Luo, C.S. Liu, Q.F. Fang. Microstructures and Properties of Ultrafine-Grained Tungsten Produced by Equal-Channel Angular Pressing at Low Temperatures. Journal of Nuclear Materials, 433 (2013) 351-356.
- 4、Yu-Wei You(尤玉伟), Xiang-Shan Kong, Xue-Bang Wu, Yi-Chun Xu, Q. F. Fang, J. L. Chen, G.-N. Luo, C. S. Liu, B. C. Pan, and Zhiguang Wang, Dissolving, trapping and detrapping mechanisms of hydrogen in bcc and fcc transition metals, AIP ADVANCES 3, 012118 (2013).
- 3、Yu-Wei You (尤玉伟), Xiang-Shan Kong, Xue-Bang Wu, Q. F. Fang, Jun-Ling Chen, G.-N. Luo, C. S. Liu, Effect of vacancy on the dissolution and diffusion properties of hydrogen and helium in molybdenum, Journal of Nuclear Materials 433, 167-173 (2013).
- 2、Xuebang Wu (吴学邦), Huaguang Wang, Zhengang Zhu, and C. S. Liu, Quantifying changes in the low-frequency dynamics of amorphous polymers by 2d correlation mechanical spectroscopy, J. Phys. Chem. B, 117, 467-472 (2013).
- 1、Xiang-Shan Kong (孔祥山), Yu-Wei You, Q. F. Fang, C. S. Liu, Jun-Ling Chen, G.-N. Luo, B. C. Pan, Zhiguang Wang, The role of impurity oxygen in hydrogen bubble nucleation in tungsten, Journal of Nuclear Materials 433, 357-363 (2013).

合作论文:

- 1、 Yan-Ling Li, Wei Luo, Zhi Zeng (曾雉), Hai-Qing Lin, Ho-kwang Mao, and Rajeev Ahuja, Pressure-induced superconductivity in CaC₂, Proc. Natl. Acad. Sci. USA 110, 9289 (2013).
- 2、 Chao Chen (陈超), Xiaodong Qiu, Shulin Ji, Chong Jia, and Changhui Ye; The synthesis of monodispersed AgBiS₂ quantum dots with a giant dielectric constant, CrystEngComm 15, 7644 (2013).
- 3、 Kai Dai, Luhua Lu, Jun Dong, Ziyi Ji, Guangping Zhu, Qinzhuang Liu, Zhongliang Liu, Yongxing Zhang, Dongpei Li and Changhao Liang (梁长浩), Facile synthesis of a surface plasmon resonance-enhanced Ag/AgBr heterostructure and its photocatalytic performance with 450 nm LED illumination, Dalton Transactions, 2013, 42, 4657-4662.
- 4、 Kai Dai, Luhua Lu, Changhao Liang (梁长浩), Jianming Dai, Qinzhuang Liu, Yongxing Zhang, Guangping Zhu, Zhongliang Liu, In situ assembly of MnO₂ nanowires/Graphene Oxide nanosheets composite with high specific capacitance, Electrochem. Acta, 2014, 116, 111-117.
- 5、 Jing Zhang, Dongqing Cai, Guilong Zhang, Chuanjie Cai, Caili Zhang, Guannan Qiu, Kang Zheng (郑康), Zhengyan Wu, Adsorption of methylene blue from aqueous solution onto multiporous palygorskitemodified by ion beam bombardment: Effect of contact time, temperature, pH and ionic strength, Applied Clay Science. 83-84, 137-143 (2013).
- 6、 Jing Zhang, Guilong Zhang, Min Wang, Kang Zheng (郑康), Dongqing Cai, and Zhengyan Wu, Reduction of aqueous CrVI using nanoscale zero-valent iron dispersed by high energy electron beam irradiation, Nanoscale. 5, 9917-9923 (2013).
- 7、 Kai Dai, Luhua Lu, Changhao Liang (梁长浩), Jianming Dai, Guangping Zhu, Zhongliang Liu, Qinzhuang Liu, Yongxing Zhang, Graphene oxide modified ZnO nanorods hybrid with high reusable photocatalytic activity under UV-LED irradiation, Materials Chemistry and Physics, 2014, 143, 1410-1416.
- 8、 Kai Dai, Changhao Liang (梁长浩), Jianming Dai, Luhua Lu, Guangping Zhu, Zhongliang Liu, Qinzhuang Liu, Yongxing Zhang, High-yield synthesis of carbon nanotube-porous nickel oxide nanosheet hybrid and its electrochemical capacitance performance, Materials Chemistry and Physics, Materials Chemistry and Physics, 2014, 143, 1344-1351.
- 9、 S. H. Zhang (张书辉), W. Xu, S. M. Badalyan, and F. M. Peeters, Piezoelectric surface acoustical phonon limited mobility of electrons in graphene on a GaAs substrate, Phys. Rev. B 87, 075443 (2013).
- 10、 Q. C. Liu (刘强春), Z. F. Zi, M. Zhang, A. B. Pang, J. M. Dai, and Y. P. Sun, Enhanced microwave absorption properties of carbonyl iron/Fe₃O₄ composites synthesized by a simple hydrothermal method, Journal of Alloys and Compounds 561, 65-70 (2013).
- 11、 P. Yan (闫鹏), Guang Tao Fei, Guo Liang Shang, Bing Wu, and Li De Zhang, Fabrication of

one-dimensional alumina photonic crystals with narrow band gap and their application to high-sensitivity sensor, *Journal of Materials Chemistry C*, 1, 1659-1664 (2013).