



[教师介绍首页](#)

[中文版](#)

[English Version](#)

[内容管理](#)

[基本信息](#)

[主要工作经历](#)

[主要研究领域](#)

[发表论文目录](#)

## 发表论文目录

2008年

1. C L Wang, J C Li, M L Zhao, J L Zhang and W L Zhong, C. Aragó, M. I. Marqués, J.A. Gonzalo, Electric Field Induced Phase Transition in First Order Ferroelectrics with Large Zero Point Energy, *Physica A* 387(2008) 115-122
2. Zhang Chao(张超), Wang Chun-Lei (王春雷), Li Ji -Chao(李吉超), Yang Kun(杨鲲), Zhang Yan-Fei (张艳飞), and Wu Qing-Zao(吴清早), Surface ripples and band gap reductions of cubic BaZrO<sub>3</sub> (001) surface studied by means of first-principles calculations, *Chinese Physics B* 17(1) (2008)1-7
3. C. Zhang, C. L. Wang, J. C. Li , K. Yang, Y. F. Zhang, Q. Z. Wu, Substitutional position and insulator-to-metal transition in Nb-doped SrTiO<sub>3</sub>, *Materials Chemistry and Physics*, 107 (2008) 215– 219

2007年

4. J. C. Li , R. Q. Zhang, and C. L. Wang, N. B. Wong, Effect of thickness on the electronic structure of poly(vinylidene fluoride) molecular films from first-principles calculations, *Physical Review B* 75, (2007) 155408\_1\_9
5. C Zhang, C L Wang, J C Li and K Yang, Structural and electronic properties of Fe-doped BaTiO<sub>3</sub> and SrTiO<sub>3</sub>, *Chinese Physics*, 16 (2007) 1422-1428
6. X.Y. Wang , C.L. Wang, M.L. Zhao, J.F. Wang, K. Yang, J.C. Li , Ferroelectric properties of Lithia-doped (Bi 0.95Na0.75K0.20)0.5Ba0.05TiO<sub>3</sub> ceramics, *Materials Letters* 61 (2007) 3847-3850
7. R. Z. Zhang, C. L. Wang, J. C. Li , J. L. Zhang, K. Yang, and C. Zhang, H. M. Chen, Dopant position in Ti-doped high-temperature phase Ta<sub>2</sub>O<sub>5</sub>: First principles study, *Applied Physics Letters* 91 (2007) 092909

8. C. L. Wang, M. L. Zhao, K. Yang, J. C. Li , and J. L. Zhang, Influence of Multi -Body and Non-Nearest Interactions on the Shape of Hysteresis Loop and Domain Patterns, *Ferroelectrics*, 355 (2007) 223-227
9. J. L. Zhang, P. Zheng, S. F. Shao, W. B. Su and C. L. Wang, Dielectric and Electrical Properties of CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub> Ceramics at High Temperatures, *Ferroelectrics*, 356 (2007) 85-89
10. S. F. Shao, J. L. Zhang, P. Zheng, C. L. Wang, J. C. Li , and M. L. Zhao, High permittivity and low dielectric loss in ceramics with the nominal compositions of CaCu<sub>3-x</sub>La<sub>2x</sub>/3Ti<sub>4</sub>O<sub>12</sub>, *Applied Physics Letters* 91, (2007) 042905-3
11. K Yang, C L Wang, J C Li , C Zhang, R Z Zhang, Y F Zhang, Q Z Wu, Y G Lv, and N Yin, Structural and polarization properties of short-period SrZrO<sub>3</sub>/SrTiO<sub>3</sub> superlattices, *Physical Review B* 75, (2007) 224117\_1-4
12. J A Gonzalo, Carmen Arago, Manuel Marques, C L Wang ,Effective field approach to metallic superconductors, *Ferroelectrics* 354 (2007)115-119
13. L. Chen and C L Wang,First principles study of the electron structures of CaCu<sub>3</sub>Mn4O<sub>12</sub> and CaCu<sub>3</sub>Ti<sub>4</sub>O<sub>12</sub>,*J Mag Mag Mater* 312 (2007) 266-270
14. L Chen and C L Wang, Electronic Structure of Non-oxide Perovskite Superconductor MgCNi<sub>3</sub>, *Journal of Low Temperature Physics* 147 (2007)612-619
15. L Wu, J L Zhang, P Zheng and C L Wang, Influences of morphotropic phase boundaries on physical properties in (K,Na,Li)NbO<sub>3</sub>TaO<sub>3</sub> ceramics, *J. Phys. D: Appl. Phys.* 40 (2007) 3527-3530
16. 张睿智, 李吉超, 王春雷, 张家良, 赵明磊, 梅良模, Pb 在钪铌酸铅铁电相形成中的驱动作用: 第一性原理研究, *功能材料(增刊)*, 38 (2007) 809-810
17. 王春雷, 张家良, 李吉超, 赵明磊, 陈惠敏, 梅良模, 多晶材质电子结构及热电性能的模拟, *功能材料(增刊)*, 38 (2007) 1384-1386
18. \* 张艳飞, 王春雷, 吴清早, 杨鲲, 张超, 张睿智, 李吉超, 两种晶粒长大Monte Carlo 方法的比较, *功能材料(增刊)*, 38 (2007) 4150-4152

\*

2006年

1. C Arago, C L Wang, J A Gonzalo, Deviations from Vegard' s law in the Curie temperature of mixed ferroelectric solid solutions, *Ferroelectrics*, 337 (2006) 233-237
2. J C Li , C L Wang, K Yang, X Y Wang, M L Zhao, J L Zhang, Electronic structure

3. C L Wang, J C Li , M L Zhao, K Yang, X Y Wang, J L Zhang, Simulation of domain patterns in fatigued ferroelectric films, Integrated Ferroelectrics, 78(2006) 69-73
4. K Yang, C L Wang, J C Li , Electronic structure of relaxor PMN, Integrated Ferroelectrics, 78 (2006) 113-117
5. K Yang, C L Wang, J C Li , M L Zhao, X Y Wang, Strain induced ferroelectricity in the SrZr03/ SrTi03 superlattice: first principles study, Solid State Commun. , 139 (2006) 144-147
6. K Yang, C L Wang, J C Li , C Chao, Q Z Wu, Y F Zhang, N Yin and X Y Liu, Surface rumpling of cubic CaTi03 from density functional theory, Chin. Phys. , 15 (2006) 1580-1585
7. S F Shao, J L Zhang, P Zheng, W L Zhong and C L Wang, Microstructure and electrical properties of CaCu3Ti 4012 ceramics, J Appl Phys, 99 (2006) 084106-11
8. Y X Wang, M Arai , T Sasaki and C L Wang, First-Principles study of the (001) surface of cubic BaZr03 and BaTi03, Appl Phys. Lett. 88(2006) 091909
9. Y X Wang, M Arai , T Sasaki and C L Wang, First-Principles study of the (001) surface of cubic CaTi03, Phys. Rev B 73(2006) 035411
10. C M Wang, J F Wang, W B Su, H C Chen, C L Wang, J L Zhang, G Z Zang, P Qi , Z G Gai , B Q Ming, Improvement in the nonlinear electrical characteristics of Sn02 ceramic varistors with Dy203 additive, Materials Science and Engineering B 127 (2006) 112– 116