



首页

学院概况

招生招聘

人才培养

科学研究

师资队伍

科教资源

公共服务

返回首页 网站地图

重要通知 [2020年华中科技大学物理学院夏令营拟录取公...](#)

请输入关键词

师资队伍

教授

您现在的位置: 首页 > 师资队伍 > 教授 > 正文

姓名检索

人员概况

教授

研究员

副教授

副研究员

助理研究员

讲师

技术人员

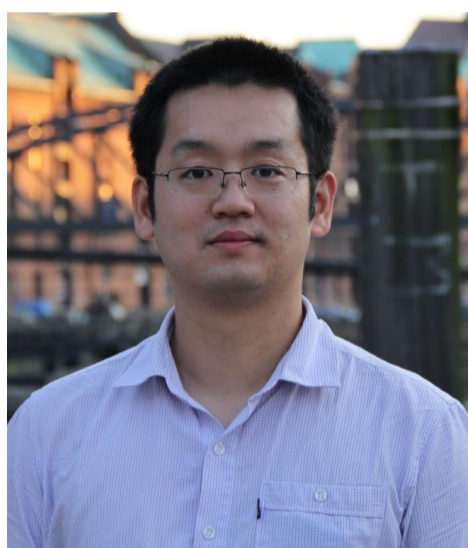
访问学者

博士后

退休教师

陆成亮

发布时间: 2020-05-16



个人信息

姓名: 陆成亮

职称: 教授

邮箱: cllu@mail.hust.edu.cn

办公室: 科技楼北516

通讯地址: 武汉市洪山区珞喻路1037号, 430074

个人简介:

陆成亮, 中共党员, 2003年湖北大学物理系学士, 2006年武汉大学物理系硕士, 2009年南京大学物理系博士。2009-2010年, 南洋理工大学物理系/材料系博士后, 2010年8月入职华中科技大学物理学院。2013-2015年, 德国马普微结构物理研究所洪堡学者。主要研究方向为关联电子材料物理, 包括多铁性氧化物、5d钛氧化物。

主要研究论文:

- 1.C. L. Lu, H. Deniz, X. Li, J.-M. Liu, and S-W Cheong, Continuous magnetoelectric control in multiferroic DyMnO₃ films with twin-like domains. *Sci. Rep.* 6, 20175 (2016)
- 2.N. Hu, C. L. Lu*, Z. C. Xia, R. Xiong, P. F. Fang, J. Shi, and J. -M. Liu, Multiferroicity and magnetoelectric coupling in TbMnO₃ thin films, *ACS Appl. Mater. & Interfaces* 7, 26603 (2015).
- 3.C. L. Lu, W. J. Hu, Y. F. Tian, and T. Wu, Multiferroic oxide thin films and heterostructures, *Appl. Phys. Rev.* 2, 021304 (2015).
- 4.C. L. Lu, S. Dong, A. Quindeau, D. Preziosi, N. Hu, and M. Alexe, Dual gate control of bulk transport and magnetism in the spin-orbit insulator Sr₂IrO₄, *Phys. Rev. B* 91, 104401 (2015).
- 5.X. Li, C. L. Lu*, J. Y. Dai, S. Dong, Y. Chen, N. Hu, G. H. Wu, M. F. Liu, Z. B. Yan, and J. -M. Liu, Novel multiferroicity in GdMnO₃ thin films with self-assembled nano-twined domains. *Sci. Rep.* 4, 7019 (2014).
- 6.C. L. Lu, A. Quindeau, H. Deniz, D. Preziosi, D. Hesse, and M. Alexe, Crossover of conduction mechanism in Sr₂IrO₄ epitaxial thin films. *Appl. Phys. Lett.* 105, 082407 (2014).
- 7.C. L. Lu, N. Hu, M. Yang, S. C. Xia, H. W. Wang, J. F. Wang, Z. C. Xia, and J. -M. Liu, High magnetic field phase diagram in electron-doped manganites La_{0.4}Ca_{0.6}Mn_{1-y}CryO₃. *Sci. Rep.* 4, 4902 (2014).
- 8.C. L. Lu, S. Dong, Z. C. Xia, H. Luo, Z. B. Yan, H. W. Wang, Z. M. Tian, S. L. Yuan, T. Wu, and J. -M. Liu, Polarization enhancement and ferroelectric switching enabled by interacting magnetic structures in DyMnO₃ thin films. *Sci. Rep.* 3, 3374 (2013).
- 9.C. L. Lu, J.-M. Liu, and T. Wu, Electric field driven phase transition and possible twinning quasi-tetragonal phase in compressively strained BiFeO₃ thin films. *Front. Phys.* 7, 424 (2012).

- 10.C. L. Lu, Y. Y. Wu, Z. C. Xia, S. L. Yuan, L. Chen, Z. M. Tian, J. -M. Liu, and T. Wu, Giant in-plane anisotropy in manganite thin films driven by strain-engineered double exchange interaction and electronic phase separation. *Appl. Phys. Lett.* 99, 122510 (2011).
- 11.C-J Cheng, C. L. Lu, Z. H. Chen, L. You, L. Chen, J. L. Wang, and T. Wu, Thickness-dependent magnetism and spin-glass behaviors in compressively strained BiFeO₃ thin films. *Appl. Phys. Lett.* 98, 242502 (2011).
- 12.N. Hu, C. L. Lu*, K. F. Wang, L. Cheng, Y. Liu, R. Xiong, J. Shi, and J. -M. Liu, A-site disorder effects in electron-doped manganites La_{0.4}Ca_{0.6}MnO₃. *Appl. Phys. A* 103, 485 (2011).
- 13.C. L. Lu, Y. Wang, L. You, X. Zhou, H. Y. Peng, G. Z. Xing, E. E. M. Chia, C. Panagopoulos, L. Cheng, J. -M. Liu, J. L. Wang, and T. Wu, Superconducting gap induced barrier enhancement in a BiFeO₃-based heterostructure. *Appl. Phys. Lett.* 97, 252905 (2010).
- 14.C. L. Lu, S. Dong, K. F. Wang, J. -M. Liu, Enhanced polarization and magnetoelectric response in Tb_{1-x}HoxMnO₃. *Appl. Phys. A* 99, 323 (2010).
- 15.L. You, C. L. Lu, P. Yang, G. Han, T. Wu, U. Luders, W. Prellier, K. Yao, L. Chen, J. L. Wang, Uniaxial magnetic anisotropy in La_{0.7}Sr_{0.3}MnO₃ thin films induced by multiferroic BiFeO₃ with striped ferroelectric domains. *Adv. Mater.* 22, 4964 (2010).
- 16.C. L. Lu, N. Hu, K. F. Wang, Z. B. Yan, and J. -M. Liu, Dynamical transport behavior in electron-doped manganites La_{0.4}Ca_{0.6}(Mn_{1-x}Rux)O₃. *Appl. Phys. A* 100, 1211 (2010).
- 17.C. L. Lu, H. M. Liu, K. F. Wang, S. Dong, J. -M. Liu, Q. Wang, C. Dong, Magnetic properties of Sm-based bulk metallic glasses. *J. Mag. Mag. Mater.* 322, 2845 (2010).
- 18.C. L. Lu, X. Chen, S. Dong, K. F. Wang, H. L. Cai, D. Li, Z. D. Zhang, and J. -M. Liu, Ru-doping induced ferromagnetism in charge-ordered La_{0.4}Ca_{0.6}MnO₃. *Phys. Rev. B* 79, 245105 (2009).
- 19.C. L. Lu, S. Dong, K. F. Wang, J. -M. Liu, Q. Wang, and C. Dong, Cluster spin-glass state and Kondo behavior in Sm-based bulk metallic glasses. *J. Appl. Phys.* 105, 07A326 (2009).
- 20.C. L. Lu, J. Fan, H. M. Liu, K. Xia, K. F. Wang, P. W. Wang, Q. Y. He, D. P. Yu, and J. -M. Liu, An investigation on magnetism, spin-phonon coupling, and ferroelectricity in multiferroic GdMn₂O₅. *Appl. Phys. A* 96, 991 (2009).
- 21.C. L. Lu, K. F. Wang, S. Dong, J. G. Wan, J.-M. Liu, and Z. F. Ren, Specific heat anomalies and possible Griffiths-like phase in La_{0.4}Ca_{0.6}MnO₃ nanoparticles. *J. Appl. Phys.* 103, 07F714 (2008).
- 22.C. L. Lu, S. Dong, K. F. Wang, F. Gao, P. L. Li, L. Y. Lv, and J.-M. Liu, Charge-order breaking and ferromagnetism in La_{0.4}Ca_{0.6}MnO₃ nanoparticles. *Appl. Phys. Lett.* 91, 032502 (2007).

2017-2018学年第一学期课程：凝聚态物理导论

上一篇：陆培祥

下一篇：龙长才

地址：湖北省武汉市洪山区珞喻路1037号
 电话：86-027-87543881
 传真：86-027-87556576
 Copyright (C) 2010 华中科技大学物理学院



大学物理实验预约系统
 Hub系统
 注册中心
 公共邮箱