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教育经历:

2011.9-2014.6: 同济大学 光学专业 博士

2008.9-2011.6: 山东师范大学 原子与分子专业 硕士

2004.9-2008.6: 山东师范大学 物理学专业 学士

工作经历:

2014.7-至今: 鲁东大学物理与光电工程学院教学和科研

目前研究领域:

磁性材料和超导材料电子结构研究

主持或参加的自然科学基金项目:

国家自然科学基金青年科学基金项目 (12404078) 主持

国家自然科学基金理论物理专项 (11647158) 主持

山东省自然科学基金培养项目 (ZR2014AP014) 主持

国家自然科学基金面上项目 (11874191) 参与

国家自然科学基金青年科学基金项目 (11804137) 参与

国家自然科学基金面上项目 (11474217) 参与

主讲课程:

大学物理, 固体物理

代表性成果:

1. Chengxiang Lv, Xiaomeng Cheng, Jiahui Sui, Kunni Jia, Xin Dong, **Mingcui Ding***, Bingying Pan*, Superconductivity of a new Ru-based alloy $\text{Ru}_3\text{Sb}_{1.75}\text{Sn}_{5.25}$, Physica B: Condensed Matter, 677,415733 (2024).
2. Xiaomeng Cheng, Chengxiang Lv, Shufang Zhang, **Mingcui Ding***, Bingying Pan*, Successive magnetic transitions and frustrated

magnetism in $\text{Fe}_2(\text{HPO}_3)_3 \cdot 4\text{H}_2\text{O}$, European Journal of Inorganic Chemistry, 10.1002/ejic.202300707 (2024).

3. **Ming-Cui Ding***; Bing-Ying Pan; Gang Zhao; Yu-Zhong Zhang*, Importance of the 4p states of As and the interlayer cation states in LaFe_2As_2 and CaFe_2As_2 , Physical Review Materials, 7, 044801 (2023).
4. **Ming-Cui Ding***; Li-Min Wu; Gang Zhao; Bing-Ying Pan; Yu-Zhong Zhang*, Distinct evolution of charge occupations on Fe 3d orbitals in hole-doped iron arsenic superconductors, Europhysics Letters, 133, 17004(2021).
5. **Ming-Cui Ding**, Yu-Zhong Zhang* , Possible way to turn MgFeGe into an iron-based superconductor, Physical Review B, 89, 085120 (2014).
6. **Ming-Cui Ding**, Hai-Qing Lin, Yu-Zhong Zhang*, Antiferromagnetism and its origin in iron-based superconductors, Low Temperature Physics 40, 113 (2014).
7. **Ming-Cui Ding**, Hai-Qing Lin, Yu-Zhong Zhang*, Hidden $(\pi,0)$ instability as an itinerant origin of bicollinear antiferromagnetism in Fe_{1+x}Te , Physical Review B, 87, 125129(2013).
8. **Ming-Cui Ding**, Zhen Zhang, Yang, Song, Chuan-Kui Wang*, Theoretical Studies on One-photon and Two-photon Absorption Properties of Pyrene-core Derivatives, Chinese Journal of Chemical Physics, 23, 664–668 (2010).