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教授



教师姓名: 王为忠

单 位	
职 称	教授
学 历	
E-mail	wzwang@whu.edu.cn
研究方向	

**详细描述**

王为忠

教授, 博士研究生导师

通讯地址: 武汉大学物理科学与技术学院, 武汉 430072

电话: 027-68752481转3504 (O)

Email: wzwang@whu.edu.cn

1986年和1989年在武汉大学物理系获学士和硕士学位。1998年在华中科技大学获博士学位。先后在香港中文大学, 美国Nevada大学及香港浸会大学做访问研究。获2000年全国优秀博士学位论文奖, 2001年湖北省自然科学二等奖。连续主持五项国家自然科学基金项目。为Physical Review Letters 及Physical Review B的评审人。主要从事低维功能材料及理论凝聚态物理方面的研究工作, 研究兴趣包括低维磁性材料及强关联电子系统(包括晶格模型及量子点、量子线)中的量子相变及磁、电等输运性质。

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上一篇: 王取泉

下一篇: 吴奕初



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通讯地址: 湖北省武汉市武昌区珞珈山

