一、个人简介



杨超，男，博士，讲师。主要研究方向包括外场下（应力、温度、电场等）固体材料中的电子-晶格耦合机制及其设计优化与应用。研究领域涵盖铁电多铁材料、过渡金属、二维材料、钙钛矿等新型功能材料。在学术研究中，致力于跨学科交叉整合物理学、材料科学、纳米技术等多领域的核心理论与技术，深入揭示新物理现象的基本机制与应用技术。2019年毕业于北京理工大学，获博士学位。主持省级自然科学基金项目1项。在“Nature Communications”、“Advanced Science”、 “Physical Review B”、“Applied Physics Letters”等期刊以(共同)第一作者或通讯作者身份发表学术论文多篇。

二、代表性的项目

1. 湖南省自然科学基金青年基金项目，2020JJ5453，高压下二维纳米铁酸铋薄膜的结构相变与铁电性研究，2020/01- 2022/12，5万元，已结题，主持

三、代表性的成果

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