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计算机系统结构专业博士、擅长磁存储及光存储系统建模与分析、热衷数据存储技术、信号处理与信息理论。

▶ 教育背景

至今 华中科技大学 • 武汉光电国家研究中心

光学工程•博士后 2023.03

2022.12 华中科技大学 • 武汉光电国家研究中心

2016.09 | 计算机系统结构 • 博士

2016.06 中南民族大学•电子信息工程学院

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〈/〉科研项目

- ▶ 国家自然科学基金, 面上项目, 62272178, 超高密度三维热辅助磁记录写机制研究, 2023/01 至 2026/12, 在 研,参与
- ▶ 国家自然科学基金, 面上项目, 61672246, 超高密度二维磁记录读磁头阵列及其记录系统关键技术研究, 2017/01 至 2020/12、已结题、参与
- ▶ 国家自然科学基金, 面上项目, 61272068, 比特图案介质的超高密度瓦记录关键技术研究, 2013/01-2016/12, 已结题,参与
- ➤ 企业横向, 面向蓝光超多层 PRML 算法技术合作项目, 2024/07 至 2025/01, 在研, 参与
- ▶ 企业横向,基于 BDXL 标准的 PRML 模型设计与实现合作项目,2022/08 至 2023/06,已结题,参与
- ▶ 企业横向,HDD 原型算法和先进磁记录技术合作项目,2022/03 至 2023/03,已结题,参与

😝 科研成果

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Education

Till now	Wuhan National Laboratory for Optoelectronics, Huazhong University of Science and
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March 2023	Postdoc. in Optical Engineering
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September 2016	Ph.D. in Computer Architecture
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Research Projects

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- > National Natural Science Foundation of China, General Program, No. 61672246, Key Technologies of Read Heads Array and The Recording System for Two-Dimensional Magnetic Recording at Ultra-high Density, $2017/01 \sim 2020/12$, Finished, Member
- > National Natural Science Foundation of China, General Program, No. 61272068, Key Technologies of Ultrahigh Density Shingled Magnetic Recording on Bit Patterned Media, $2013/01 \sim 2016/12$, Finished, Member
- ➤ Enterprise Cooperation Project, PRML algorithm technology for Blu-ray Discs, 2024/07 ~ 2025/01, Active, Member
- > Enterprise Cooperation Project, BDXL Standard Based PRML Model Design and Implementation, 2022/08 \sim 2023/06, Finished, Member
- > Enterprise Cooperation Project, HDD Prototype Algorithms and Innovative Magnetic Record Technology, $2022/03 \sim 2023/03$, Finished, Member

Research Achievements

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