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## 科研项目

[1]国家自然科学基金面上项目，“旋转式心脏泵的多目标变转速控制”，51677082，201701-202012（主持人）
[2]国家自然科学基金青年基金项目，“瓣膜泵的内流场和血液相容性研究”，30900289，201001-201212（主持人）
[3]国家自然科学基金面上项目，“磁力丝杠集成作动系统及其分数槽集中绕组的低谐波设计”，51477068，201501-201812（第二）
[4]国家自然科学基金青年基金项目，“直线容错式人工心脏电机及其系统研究”，51007031，2011-201312（第三）

## 奖励

[1] 2018年商业联会会科学技术奖二等奖(排名第一）
[2] 2013年产学研合作合作创新研究成果奖（排名第三）
[3] 2010年中国机械工业科学技术奖三等奖(排名第五）

## 主要论文

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