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所属学科及学科方向	机械工程			研究方向 1	机器人科学与技术
	机器人技术			研究方向 2	机器学习与机器视觉
工作简历	2017.6 至今, 北京信息科技大学, 机电工程学院				
科研项目情况	[1] 2022.1.1-2025.12.31: 国家自然科学基金面上项目, 主持 [2] 2019.1.1-2021.12.31: 国家自然科学基金青年基金项目, 主持 [3] 2019.1.1-2020.12.31: 北京市教委科研计划一般项目, 主持 [4] 2018.1.1-2020.12.31: 北京信息科技大学-师资队伍补充计划支持项目, 主持				
主要科研成果	一、SCI 检索论文 (仅 1 作及通讯) [1] Zhouxiang Jiang* ; Min Huang; Xiaoqi Tang; Yixuan Guo; A new calibration method for joint-dependent geometric errors of industrial robot based on multiple identification spaces, Robotics and Computer-Integrated Manufacturing, 2021. (SCI) [2] Zhouxiang Jiang* ; Min Huang; Xiaoqi Tang; Bao Song; Yixuan Guo; Elasto-geometrical calibration of six-DOF serial robots using multiple identification models, Mechanism and Machine Theory, 2021. (SCI) [3] Zhouxiang Jiang* ; Min Huang; Xiaoqi Tang; Bao Song; Yixuan Guo; Observability index optimization of robot calibration based on multiple identification spaces, Autonomous Robots, 2020. (SCI) [4] Zhouxiang Jiang* ; Min Huang; Stable calibrations of six-DOF serial robots by using identification models with equalized singular values, Robotica, 2021. (SCI) [5] Zhouxiang Jiang* ; Xiaoqi Tang; Optimization of fixture flexibility for irregular geometries of workpiece based on metamorphic mechanisms, The International Journal of Advanced Manufacturing Technology, 2019. (SCI) [6] Zhouxiang Jiang ; Bao Song; Xiangdong Zhou*; Xiaoqi Tang; Shiqi Zheng; Single setup identification of component errors for rotary axes on five-axis machine tools based on pre-layout of target points and shift of measuring reference, International Journal of Machine Tools & Manufacture, 2015. (SCI) [7] Zhouxiang Jiang ; Bao Song; Xiangdong Zhou*; Xiaoqi Tang; Shiqi Zheng; On-machine measurement of location errors on five-axis machine tools by machining tests and a laser displacement sensor. International Journal of Machine Tools & Manufacture, 2015. (SCI) [8] Zhouxiang Jiang ; Bao Song; Xiangdong Zhou*; Xiaoqi Tang; Shiqi Zheng; Identification of location errors by a touch-trigger probe on five-axis machine tools with a tilting head, International Journal of Advanced Manufacturing Technology, 2015. (SCI) [9] Zhouxiang Jiang ; Xiangdong Zhou*; Xiaoqi Tang; Shiqi Zheng; Machining tests for identification of location errors on five-axis machine tools with a tilting head. International Journal of Advanced Manufacturing Technology, 2015. (SCI) [10] Xiangdong Zhou, Zhouxiang Jiang* , Bao Song, Xiaoqi Tang, Shiqi Zheng. A compensation method for the geometric errors of five-axis machine tools based on the topology relation between axes, International Journal of Advanced Manufacturing Technology, 2017. (SCI) 二、授权发明专利 (仅第一发明人): [1] 基于双目视觉和深度学习的机械臂不停工实时标定方法及装置, 2023				

	<p>[2] 基于多目标视觉测量和机器学习的机械臂无模型实时标定方法及装置, 2023</p> <p>三、中文核心期刊(仅1作):</p> <p>[1] 基于作业轨迹约束的机械臂多闭环标定方法, 2023</p> <p>[2] 面向实时运动学标定的机械臂轨迹规划, 2023</p> <p>[3] 基于多目标识别的机械臂实时无模型标定方法, 2022</p> <p>[4] 基于深度学习的机械臂位姿高精度视觉监测, 2022</p> <p>[5] 五轴联动机床几何误差一次装卡测量方法, 2020</p>
获奖情况	<p>[1] 校青年教师基本功大赛三等奖、最受学生欢迎奖、机电学院教学新星</p> <p>[2] 2018及2021年度机电学院学术标兵</p> <p>[3] 北京高校教师教学创新大赛优秀奖</p> <p>[4] 第十七届“创新杯”大学生学术科技创新竞赛优秀指导教师奖</p>
开授课程	《机械设计》、《机械设计基础》、《优化设计》、《专业外语》、《现代设计方法综合应用与实践》等
参加学术团体	中国机械工程学会(高级会员)