

Publications

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Adaptive Vision-Based Control of Redundant Robots with Null-Space Interaction for Human-Robot Collaboration

Xiangjie Yan, Chen Chen, and Xiang Li

IEEE International Conference on Robotics and Automation (ICRA), 2022.

PDF Code BibTex **Oral Presentation**



A Complementary Framework for Human-Robot Collaboration with a Mixed AR-Haptic Interface

Xiangjie Yan, Yongpeng Jiang, Chen Chen, Leiliang Gong, Ming Ge, Tao Zhang, and Xiang Li

IEEE Transactions on Control Systems Technology (TCST), 2023.

PDF Video BibTex



Multi-Modal Interaction Control of Ultrasound Scanning Robots with Safe Human Guidance and Contact Recovery

Xiangjie Yan, Shaqi Luo, Yongpeng Jiang, Mingrui Yu, Chen Chen, Senqiang Zhu, Gao Huang, Shiji Song and Xiang Li

IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2024.

PDF Project Page BibTex **Oral Presentation**



Multi-Modal Interaction Control of Ultrasound Scanning Robots with Safe Human Guidance and Contact Recovery

Xiangjie Yan, Yongpeng Jiang, Guokun Wu, Chen Chen, Gao Huang, and Xiang Li

Arxiv (Arxiv), 2023.

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