

Xiaoyan Yu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Observer-based two-time scale robust control of free-flying flexible-joint space manipulators with external disturbances. <i>Robotica</i> , 2017, 35, 2201-2217.	1.3	25
2	Robust fuzzy sliding mode control and vibration suppression of free-floating flexible-link and flexible-joints space manipulator with external interference and uncertain parameter. <i>Robotica</i> , 2022, 40, 997-1019.	1.3	15
3	Hybrid-Trajectory Based Terminal Sliding Mode Control of a Flexible Space Manipulator with an Elastic Base. <i>Robotica</i> , 2020, 38, 550-563.	1.3	13
4	Buffer Compliance Control of Space Robots Capturing a Non-Cooperative Spacecraft Based on Reinforcement Learning. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5783.	1.3	13
5	Dynamic modeling and control of a free-flying space robot with flexible-link and flexible-joints. , 2014, , .		7
6	Time delay estimation-based reactionless augmented adaptive sliding mode control of a space manipulator's pregrasping a target. <i>Robotica</i> , 2022, 40, 3136-3156.	1.3	3
7	Observer Based Robust Control and Vibration Control for a Free-floating flexible Space Manipulator. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , 2016, 52, 28.	0.7	2
8	Terminal Sliding Mode Adaptive Fuzzy Controller of a Free-Floating Space Manipulator Based on Time Delay Estimation. <i>Mechanisms and Machine Science</i> , 2020, , 440-449.	0.3	1
9	T-S Fuzzy Compensation Based Sliding Mode Control for a Free-Floating Space Manipulator. <i>Mechanisms and Machine Science</i> , 2020, , 419-429.	0.3	0