Xiao Luo

List of Publications by Year
in descending order

10 papers	94 citations	1684188 5 h-index	1474206 9 g-index
10 all docs	10 docs citations	10 times ranked	77 citing authors

#	Article	IF	Citations
1	Collision-Free Path Planning Method for Robots Based on an Improved Rapidly-Exploring Random Tree Algorithm. Applied Sciences (Switzerland), 2020, 10, 1381.	2.5	45
2	Model Predictive Control With Integral Compensation for Motion Control of Robot Manipulator in Joint and Task Spaces. IEEE Access, 2020, 8, 107063-107075.	4.2	17
3	A Planning Method for Multi-Axis Point-to-Point Synchronization Based on Time Constraints. IEEE Access, 2020, 8, 85575-85604.	4.2	10
4	Conic Feature Based Simultaneous Localization and Mapping in Open Environment via 2D Lidar. IEEE Access, 2019, 7, 173703-173718.	4.2	7
5	Existence Conditions and General Solutions of Closed-form Inverse Kinematics for Revolute Serial Robots. Applied Sciences (Switzerland), 2019, 9, 4365.	2.5	6
6	A General Approach Based on Newton's Method and Cyclic Coordinate Descent Method for Solving the Inverse Kinematics. Applied Sciences (Switzerland), 2019, 9, 5461.	2.5	5
7	Optimizing Kinematic Modeling and Self-Collision Detection of a Mobile Manipulator Robot by Considering the Actual Physical Structure. Applied Sciences (Switzerland), 2021, 11, 10591.	2.5	2
8	Closed-form camera pose and plane parameters estimation for moments-based visual servoing of planar objects. International Journal of Advanced Robotic Systems, 2022, 19, 172988062210997.	2.1	1
9	Hand-eye Calibration of Dual Mechanical Arms of Explosive Ordnance Disposal Robot. International Journal of Control, Automation and Systems, 2022, 20, 2312-2325.	2.7	1
10	Design Hybrid Iterative Learning Controller for Directly Driving the Wheels of Mobile Platform against Uncertain Parameters and Initial Errors. Applied Sciences (Switzerland), 2021, 11, 8181.	2.5	0