

Li Gen

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

133
citations

1307594

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h-index

1372567

10
g-index

20
all docs

20
docs citations

20
times ranked

71
citing authors

#	ARTICLE	IF	CITATIONS
1	Fault-Tolerant Dynamic Control of a Four-Wheel Redundantly-Actuated Mobile Robot. IEEE Access, 2019, 7, 157909-157921.	4.2	23
2	Hybrid Maps Enhanced Localization System for Mobile Manipulator in Harsh Manufacturing Workshop. IEEE Access, 2020, 8, 10782-10795.	4.2	17
3	A safe and efficient LIDAR-based navigation system for 4WS4WD mobile manipulators in manufacturing plants. Measurement Science and Technology, 2021, 32, 045203.	2.6	17
4	Reliable and Fast Localization in Ambiguous Environments Using Ambiguity Grid Map. Sensors, 2019, 19, 3331.	3.8	15
5	Efficient and Reliable LiDAR-Based Global Localization of Mobile Robots Using Multiscale/Resolution Maps. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-15.	4.7	12
6	Motion planning and tracking control of a four-wheel independently driven steered mobile robot with multiple maneuvering modes. Frontiers of Mechanical Engineering, 2021, 16, 504-527.	4.3	9
7	An Improved Observation Model for Monte-Carlo Localization Integrated with Reliable Reflector Prediction. , 2019, , .		7
8	Efficient re-localization of mobile robot using strategy of finding a missing person. Measurement: Journal of the International Measurement Confederation, 2021, 176, 109212.	5.0	7
9	Welding seam recognition and tracking for a novel mobile welding robot based on multi-layer sensing strategy. Measurement Science and Technology, 2022, 33, 055109.	2.6	7
10	A Fast Path Planning Method for Mobile Robot Based on Voronoi Diagram and Improved D* Algorithm. , 2019, , .		5
11	A Novel Extrinsic Calibration Method of Mobile Manipulator Camera and 2D-LiDAR via Arbitrary Trihedron-Based Reconstruction. IEEE Sensors Journal, 2021, 21, 24672-24682.	4.7	4
12	Double-sided weld seam detection system for aircraft T-joint welds by using vision sensor. , 2016, , .		3
13	Excess noise in strip off-axis confocal unstable resonators. Journal of Modern Optics, 2012, 59, 235-240.	1.3	2
14	Accurate LiDAR-based Localization in Glass-walled Environment. , 2020, , .		2
15	Trajectory Tracking of a 4wis4wid Robot Using Adaptive Receding Horizon Control Based on Neurodynamics Optimization*. , 2019, , .		1
16	Graph-based Extrinsic Calibration of Multiple 2D-Lidars. , 2021, , .		1
17	Fast and Reliable Global Localization Using Reflector Landmarks. , 2020, , .		1
18	Numerical simulation of a laser resonator with an in-phase doughnut-like output beam. Journal of Modern Optics, 2009, 56, 1804-1811.	1.3	0

#	ARTICLE	IF	CITATIONS
19	High-precision measurement of defocus amount for laser welding by analyzing image definition. , 2016, , .		0
20	An Efficient and Robust Approach to Solve the Kidnapped Robot Problem Considering Time Variation. , 2020, , .		0