

# Li Gen

## List of Publications by Year in descending order

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20  
papers

133  
citations

1307594

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h-index

1372567

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all docs

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docs citations

20  
times ranked

71  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
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	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
5	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
6	Graph-based Extrinsic Calibration of Multiple 2D-Lidars. , 2021, , .		1
7	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
8	Accurate LiDAR-based Localization in Glass-walled Environment. , 2020, , .		2
9	Hybrid Maps Enhanced Localization System for Mobile Manipulator in Harsh Manufacturing Workshop. IEEE Access, 2020, 8, 10782-10795.	4.2	17
10	An Efficient and Robust Approach to Solve the Kidnapped Robot Problem Considering Time Variation. , 2020, , .		0
11	Fast and Reliable Global Localization Using Reflector Landmarks. , 2020, , .		1
12	Reliable and Fast Localization in Ambiguous Environments Using Ambiguity Grid Map. Sensors, 2019, 19, 3331.	3.8	15
13	A Fast Path Planning Method for Mobile Robot Based on Voronoi Diagram and Improved D* Algorithm. , 2019, , .		5
14	Trajectory Tracking of a 4wis4wid Robot Using Adaptive Receding Horizon Control Based on Neurodynamics Optimization*. , 2019, , .		1
15	An Improved Observation Model for Monte-Carlo Localization Integrated with Reliable Reflector Prediction. , 2019, , .		7
16	Fault-Tolerant Dynamic Control of a Four-Wheel Redundantly-Actuated Mobile Robot. IEEE Access, 2019, 7, 157909-157921.	4.2	23
17	Double-sided weld seam detection system for aircraft T-joint welds by using vision sensor. , 2016, , .		3
18	High-precision measurement of defocus amount for laser welding by analyzing image definition. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Excess noise in strip off-axis confocal unstable resonators. Journal of Modern Optics, 2012, 59, 235-240.	1.3	2
20	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