Ruifeng Li

List of Publications by Year
in descending order

57 papers	312 citations	1040056 9 h-index	1058476 14 g-index
57 all docs	57 docs citations	57 times ranked	400 citing authors

#	Article	IF	Citations
1	Observer-based event-triggered fixed-time control for nonlinear system with full-state constraints and input saturation. International Journal of Control, 2022, 95, 432-446.	1.9	8
2	A Deep Feature Aggregation Network for Accurate Indoor Camera Localization. IEEE Robotics and Automation Letters, 2022, 7, 3687-3694.	5.1	12
3	PANet: A Pixel-Level Attention Network for 6D Pose Estimation With Embedding Vector Features. IEEE Robotics and Automation Letters, 2022, 7, 1840-1847.	5.1	6
4	RIA-CSM: A Real-Time Impact-Aware Correlative Scan Matching Using Heterogeneous Multi-Core SoC. IEEE Sensors Journal, 2022, 22, 5787-5796.	4.7	2
5	Event-Triggered Fixed-Time Adaptive Trajectory Tracking for a Class of Uncertain Nonlinear Systems With Input Saturation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 983-987.	3.0	26
6	Design and calibration of a three-dimensional localization system for automatic measurement of long and thin tube based on camera and laser displacement sensor. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 1193-1210.	2.1	0
7	Identification and Attitude Estimation of Intelligent Welding Special-shaped Tubes Based on Two-Channel Convolutional Neural Network. , 2020, , .		0
8	Prescribed Performance Attitude Tracking Control for Spacecraft under Multi-Constraint. , 2020, , .		1
9	Visual Robot Relocalization Based on Multi-Task CNN and Image-Similarity Strategy. Sensors, 2020, 20, 6943.	3.8	5
10	A New Edge Patch with Rotation Invariance for Object Detection and Pose Estimation. Sensors, 2020, 20, 887.	3.8	5
11	Neuro-adaptive tracking control for uncertain Euler-Lagrange systems with time-varying output constraints and obstacle avoidance. , 2020, , .		0
12	Weight Lifting Trajectory Optimization for Variable Stiffness Actuated Robot. Complexity, 2019, 2019, 1-12.	1.6	1
13	Multi-View Fusion-Based 3D Object Detection for Robot Indoor Scene Perception. Sensors, 2019, 19, 4092.	3.8	19
14	A Method for Position Estimation of Mobile Robot Based on Data Fusion. , 2019, , .		2
15	Target Recognition and Localization of Mobile Robot with Monocular PTZ Camera. Journal of Robotics, 2019, 2019, 1-12.	0.9	4
16	Event-Triggered Adaptive Control for Prescribed Performance Tracking of Constrained Uncertain Nonlinear Systems. IEEE Access, 2019, 7, 23527-23536.	4.2	8
17	Time-Energy Optimal Trajectory Planning for Variable Stiffness Actuated Robot. IEEE Access, 2019, 7, 14366-14377.	4.2	15
18	Multi-Channel Convolutional Neural Network Based 3D Object Detection for Indoor Robot Environmental Perception. Sensors, 2019, 19, 893.	3.8	19

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19	Video Text Processing Method Based on Image Stitching. , 2019, , .		6
20	Object-Aware Hybrid Map for Indoor Robot Visual Semantic Navigation. , 2019, , .		2
21	Variable Admittance Control Improving Stability in Physical Human-Robot Interaction. , 2018, , .		1
22	Interface Design of a Human-Robot Interaction System for Dual-Manipulators Teleoperation Based on Virtual Reality. , 2018, , .		3
23	Feature-Based and Convolutional Neural Network Fusion Method for Visual Relocalization. , 2018, , .		1
24	Fast feature matching based on r â€‘nearest k â€‘means searching. CAAI Transactions on Intelligence Technology, 2018, 3, 198-207.	8.1	8
25	Visual Semantic Navigation Based on Deep Learning for Indoor Mobile Robots. Complexity, 2018, 2018, 1-12.	1.6	23
26	A fast incremental map segmentation algorithm based on spectral clustering and quadtree. Advances in Mechanical Engineering, 2018, 10, 168781401876129.	1.6	11
27	Power difference template for action recognition. Machine Vision and Applications, 2017, 28, 463-473.	2.7	4
28	SVM based simultaneous hand movements classification using sEMG signals. , 2017, , .		21
29	Research on singular robustness algorithm of robot inverse kinematics based on dynamic damping coefficient. , 2017, , .		1
30	Research on service robots robust relocalization algorithm based on 2D/3D map of indoor environment. , 2017, , .		1
31	Comparative study on the redundancy of mobile single- and dual-arm robots. International Journal of Advanced Robotic Systems, 2016, 13, 172988141666678.	2.1	2
32	Polar Metric-Weighted Norm-Based Scan Matching for Robot Pose Estimation. Discrete Dynamics in Nature and Society, 2016, 2016, 1-20.	0.9	0
33	A Discrete-Time Algorithm for Stiffness Extraction from sEMG and Its Application in Antidisturbance Teleoperation. Discrete Dynamics in Nature and Society, 2016, 2016, 1-11.	0.9	5
34	An Augmented Discrete-Time Approach for Human-Robot Collaboration. Discrete Dynamics in Nature and Society, 2016, 2016, 1-13.	0.9	22
35	Energy flow: image correspondence approximation for motion analysis. Optical Engineering, 2016, 55, 043109.	1.0	3
36	Non-cooperative target tracking methods research for close-range operation of intelligent space robots. , 2016, , .		0

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37	An intuitive human robot interface for tele-operation. , 2016, , .		13
38	A multi-feature localization algorithm for mobile robots indoor environment mapping. , 2016, , .		0
39	Kinematics, dynamics, and control system of a new 5-degree-of-freedom hybrid robot manipulator. Advances in Mechanical Engineering, 2016, 8, 168781401668030.	1.6	13
40	Fast map segmentation method based on spectral partition for robot semantic navigation. , 2016, , .		2
41	Indoor place recognition based on set operation of keypoints databases. , 2016, , .		0
42	Intuitive robot teaching by hand guided demonstration. , 2016, , .		2
43	OLPP-based Gabor feature dimensionality reduction for facial expression recognition. , 2014, , .		2
44	Fast laser &#x2014; based corridor detection for indoor mobile robots. , 2014, , .		0
45	Fisheye omnidirectional camera calibration &#x2014; Pinhole or spherical model?. , 2014, , .		3
46	Features representation by multiple local binary patterns for facial expression recognition. , 2014, , .		0
47	Comparative study of redundancy based on Resolved Motion Rate Control Algorithm. , 2014, , .		0
48	Convex polytopic modeling for flexible joints industrial robot using TP-model transformation. , 2014, , .		20
49	Sliding Mode Observer Design for Flexible Joint Manipulators. , 2013, , .		0
50	Automatic Facial Expression Recognition Using SVM Based on AAMs. , 2013, , .		1
51	Embedded Motion Controller Design Based on RTEX Network. , 2013, , .		2
52	Mobile robot map building in eigenspace &#x2014; A pea-based approach. , 2013, , .		0
53	A mobile robot self-localization approach based on unidirectional vision. , 2012, , .		0
54	Dual-arm service robots for mobile operation in indoor environment. , 2012, , .		1

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55	Real-time facial expressions recognition system for service robot based-on ASM and SVMs. , 2010, , .		3
56	Multiple-Sensor Indoor Surveillance System Based on Hybrid Network. , 2010, , .		0
57	The development of a general type of security robot. , 2007, , .		3