

# Qing Li

## List of Publications by Year in descending order

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64  
papers

660  
citations

623734

14  
h-index

610901

24  
g-index

65  
all docs

65  
docs citations

65  
times ranked

471  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human-Robot Co-Carrying Using Visual and Force Sensing. IEEE Transactions on Industrial Electronics, 2021, 68, 8657-8666.	7.9	103
2	Air Quality Index and Air Pollutant Concentration Prediction Based on Machine Learning Algorithms. Applied Sciences (Switzerland), 2019, 9, 4069.	2.5	87
3	Bionic Electronic Nose Based on MOS Sensors Array and Machine Learning Algorithms Used for Wine Properties Detection. Sensors, 2019, 19, 45.	3.8	82
4	Fuzzy Approximation-Based Finite-Time Control for a Robot With Actuator Saturation Under Time-Varying Constraints of Work Space. IEEE Transactions on Cybernetics, 2021, 51, 4873-4884.	9.5	66
5	An Improved Boundary-Aware U-Net for Ore Image Semantic Segmentation. Sensors, 2021, 21, 2615.	3.8	24
6	An improved artificial potential field method for solving local minimum problem. , 2011, , .		22
7	Optimal Synchronization Control of Heterogeneous Asymmetric Input-Constrained Unknown Nonlinear MASs via Reinforcement Learning. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 520-532.	13.1	20
8	Boundary Torque Control of a Flexible Two-Link Manipulator and Its Experimental Investigation. IEEE Transactions on Industrial Electronics, 2021, 68, 8708-8717.	7.9	18
9	Adaptive Neural Network Fixed-Time Control Design for Bilateral Teleoperation With Time Delay. IEEE Transactions on Cybernetics, 2022, 52, 9756-9769.	9.5	18
10	Robust Resilient Control for Nonlinear Systems Under Denial-of-Service Attacks. IEEE Transactions on Fuzzy Systems, 2021, 29, 3415-3427.	9.8	17
11	Vibration Control for Flexible Manipulators With Event-Triggering Mechanism and Actuator Failures. IEEE Transactions on Cybernetics, 2022, 52, 7591-7601.	9.5	16
12	Vertical Vibration Model for Unsteady Lubrication in Rolls-Strip Interface of Cold Rolling Mills. Advances in Mechanical Engineering, 2012, 4, 734510.	1.6	15
13	Neural Learning Control of a Robotic Manipulator with Finite-Time Convergence in the Presence of Unknown Backlash-Like Hysteresis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1916-1927.	9.3	15
14	Finite-frequency fault detection for two-dimensional Fornasini-Marchesini dynamical systems. International Journal of Systems Science, 2017, 48, 2610-2621.	5.5	14
15	Dissipativity-Preserving Model Reduction for Takagi-Sugeno Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2019, 27, 659-670.	9.8	14
16	PID Trajectory Tracking Control of Autonomous Ground Vehicle Based on Genetic Algorithm. , 2019, , .		12
17	Static Output Feedback Control for T-S Fuzzy Systems via a Successive Convex Optimization Algorithm. IEEE Transactions on Fuzzy Systems, 2022, 30, 4298-4309.	9.8	12
18	Observer-based finite frequency $H_\infty$ state-feedback control for autonomous ground vehicles. ISA Transactions, 2022, 121, 75-85.	5.7	10

#	ARTICLE	IF	CITATIONS
19	Time-Varying Trajectory Tracking Boundary Control of a Flexible Rotation Beam Based on Servomechanism. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 9185-9195.	7.9	8
20	Observer-based $H_\infty$ control of a stochastic Korteweg-de Vries-Burgers equation. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 5943-5961.	3.7	7
21	Output Resilient Containment Control of Heterogeneous Systems With Active Leaders Using Reinforcement Learning Under Attack Inputs. <i>IEEE Access</i> , 2019, 7, 162219-162228.	4.2	6
22	Coordinated control of active front steering and active disturbance rejection sliding mode-based DYC for 4WID-EV. <i>Measurement and Control</i> , 2020, 53, 1870-1882.	1.8	6
23	Novel Resilient Structure of Output Formation Tracking of Heterogeneous Systems With Unknown Leader Under Contested Environments. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 6819-6829.	9.3	6
24	A Suppression Method of Concentration Background Noise by Transductive Transfer Learning for a Metal Oxide Semiconductor-Based Electronic Nose. <i>Sensors</i> , 2020, 20, 1913.	3.8	6
25	Accelerating Emergence of Aerial Swarm. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7986.	2.5	5
26	Active disturbance rejection control in Stribeck friction dynamic compensation for high-accuracy servo systems. , 2016, , .		4
27	Weighted Multiple Neural Network Boundary Control for a Flexible Manipulator With Uncertain Parameters. <i>IEEE Access</i> , 2019, 7, 57633-57641.	4.2	4
28	Event-triggered Control for Heterogeneous Discrete-time Multi-agent Systems Subject to Uncertainties and Noises. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 661-671.	2.7	4
29	Two-Stage Adaptive Constrained Particle Swarm Optimization Based on Bi-Objective Method. <i>IEEE Access</i> , 2020, 8, 150647-150664.	4.2	4
30	Anode effect prediction method based on local effect detection. , 2020, , .		4
31	The implementation of distributed high-speed high-accuracy data acquisition system based on EtherCAT. , 2013, , .		3
32	Vibration Suppression of a High-Rise Building With Adaptive Iterative Learning Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 4261-4272.	11.3	3
33	Event-based secure leader-following consensus for cyber-physical systems under denial-of-service attacks. <i>International Journal of Robust and Nonlinear Control</i> , 0, , .	3.7	3
34	Notice of Removal Active disturbance rejection control for nonlinear two-tank liquid level cascade systems with model uncertainties. , 2015, , .		2
35	External Excitation of Axial Magnetic Field for Intermediate-Frequency Vacuum Arc Research. <i>IEEE Access</i> , 2019, 7, 161088-161093.	4.2	2
36	Robust Controller Design for Uncertain Linear Systems with Finite-frequency Specifications: A Polynomially Parameter-dependent Approach. <i>International Journal of Control, Automation and Systems</i> , 2020, 18, 2808-2817.	2.7	2

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37	A successive convex optimization method for bilinear matrix inequality problems and its application to static output feedback control. International Journal of Robust and Nonlinear Control, 2021, 31, 9709-9730.	3.7	2
38	Soft sensing of alumina concentration in aluminum electrolysis industry based on deep belief network. , 2020, , .		2
39	PDE Modeling and Tracking Control for the Flexible Tail of an Autonomous Robotic Fish. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7618-7627.	9.3	2
40	Modeling, analysis, and optimization of three-dimensional restricted visual field metric-free swarms. Chaos, Solitons and Fractals, 2022, 157, 111879.	5.1	2
41	Dynamic Operation Loss Minimization for Permanent Magnet Synchronous Generator Based on Improved Model Predictive Direct Torque Control. Electronics (Switzerland), 2022, 11, 1406.	3.1	2
42	Parameter estimation of 2-D stochastic FM model based on two step estimation procedure. International Journal of Control, Automation and Systems, 2013, 11, 630-635.	2.7	1
43	Asymptotical stability for 2-D stochastic coupled FMII models on networks. International Journal of Control, Automation and Systems, 2015, 13, 1550-1555.	2.7	1
44	RBF Networks-Based Weighted Multi-Model Adaptive Control for a Category of Nonlinear Systems With Jumping Parameters. IEEE Access, 2019, 7, 84929-84937.	4.2	1
45	Weighted multiple model adaptive boundary control for a flexible manipulator. Science Progress, 2020, 103, 003685041988646.	1.9	1
46	Fuzzy Control for Nonlinear Fourth-Order Parabolic Equation Subject to Input Delay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2531-2539.	9.3	1
47	Multipoint Feeding Strategy of Aluminum Reduction Cell Based on Distributed Subspace Predictive Control. Machines, 2022, 10, 220.	2.2	1
48	Restoring algorithm for traffic data based on self-adaptive generation of area geometry. , 2012, , .		0
49	The convergence of parameter estimates and the real structure information of plant are both unnecessary for a general self-tuning control system - Arbitrary deterministic plant. , 2012, , .		0
50	Stability analysis of weighted multiple model adaptive control of a linear time-invariant discrete-time system. , 2012, , .		0
51	Design of Smith predictor for monitor finishing automatic width control system based on chaos optimization. , 2012, , .		0
52	Verification and implementation of the non-inverting buck-boost converter in energy-harvesting battery charger. , 2012, , .		0
53	The design and implementation of a two-dimension motion platform for track reappearance. , 2013, , .		0
54	Review of Active Power Measuring Methods for Vehicle-To-Grid (V2G). , 2018, , .		0

#	ARTICLE	IF	CITATIONS
55	Research of Nonlinear Adaptive Control Based on BP Neural Network. , 2018, , .		0
56	An improved adaptive artificial bee colony algorithm. , 2018, , .		0
57	Subspace method aided fault detection for distributed identical systems. , 2019, , .		0
58	Adaptive Backstepping Path Following Control of Autonomous Ground Vehicles with Sideslip Effects. , 2021, , .		0
59	Adaptive Control of Discrete-Time Systems Using Multiple Fixed and One Adaptive Identification Models. Proceedings of International Conference on Artificial Life and Robotics, 2016, 21, 316-319.	0.1	0
60	Weighted Multiple Model Adaptive Control for a Category of Systems with Colored Noise. Proceedings of International Conference on Artificial Life and Robotics, 2017, 22, 396-399.	0.1	0
61	A New Adaptive Control System Design Method Based on Neural Network Prediction. Proceedings of International Conference on Artificial Life and Robotics, 2019, 24, 407-410.	0.1	0
62	Multiple model adaptive control based on switching/weighting intelligent fusion algorithm. Proceedings of International Conference on Artificial Life and Robotics, 2020, 25, 694-696.	0.1	0
63	Design of Observer-Based Path Following Controllers for Autonomous Vehicles. , 2020, , .		0
64	A New Distributed Localization Approach for Multi-Robot Formation Control Systems. , 2021, , .		0