

# Guoshan Zhang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81  
papers

727  
citations

13  
h-index

24  
g-index

126  
ext. papers

1,011  
ext. citations

2.8  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
81	Automatic detection and localization of thighbone fractures in X-ray based on improved deep learning method. <i>Computer Vision and Image Understanding</i> , <b>2022</b> , 216, 103345	4.3	0
80	Generating grid chaotic sea from system without equilibrium point. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2022</b> , 107, 106194	3.7	7
79	Autotune control algorithm based on relay feedback and adaptive neural network for attitude tracking of nonlinear AUG system. <i>Ocean Engineering</i> , <b>2022</b> , 250, 111051	3.9	
78	Online Unified Solution for Selective Harmonic Elimination Based on Stochastic Configuration Network and Levenberg-Marquardt Algorithm. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	1
77	Observer-based adaptive fault estimation and fault-tolerant tracking control for a class of uncertain nonlinear systems. <i>IET Control Theory and Applications</i> , <b>2021</b> , 15, 13-23	2.5	3
76	Multi-variable finite-time observer-based adaptive-gain sliding mode control for fixed-wing UAV. <i>IET Control Theory and Applications</i> , <b>2021</b> , 15, 223-247	2.5	3
75	Fixed-time disturbance observer-based nearly optimal control for reusable launch vehicle with input constraints. <i>ISA Transactions</i> , <b>2021</b> ,	5.5	1
74	Hidden attractors and multistability in a modified Chua's circuit. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2021</b> , 92, 105494	3.7	48
73	Event-triggered Iterative Learning Control for Perfect Consensus Tracking of Non-identical Fractional Order Multi-agent Systems. <i>International Journal of Control, Automation and Systems</i> , <b>2021</b> , 19, 1426-1442	2.9	1
72	Parametric Control for Multi-Scroll Attractor Generation via Nested Sine-PWL Function. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 1033-1037	3.5	13
71	Optimal output regulation for heterogeneous descriptor multi-agent systems. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 358, 1475-1498	4	1
70	Event-Triggered Adaptive Fault-Tolerant Control for Non-affine Uncertain Systems with Output Tracking Errors Constraints. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2021</b> , 1-1	8.3	2
69	A novel current-controlled memristor-based chaotic circuit. <i>The Integration VLSI Journal</i> , <b>2021</b> , 80, 20-28	1.4	1
68	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 11587-11597	8.9	1
67	Positive Realness of Second-order and High-order Descriptor Systems. <i>Circuits, Systems, and Signal Processing</i> , <b>2020</b> , 39, 5882-5905	2.2	
66	Suboptimal Control for Nonlinear Systems with Disturbance via Integral Sliding Mode Control and Policy Iteration. <i>Journal of Optimization Theory and Applications</i> , <b>2020</b> , 185, 652-677	1.6	1
65	A Simple Autonomous Chaotic Circuit With Dead-Zone Nonlinearity. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 3502-3506	3.5	10

64	Infinitely many coexisting conservative flows in a 4D conservative system inspired by LC circuit. <i>Nonlinear Dynamics</i> , <b>2020</b> , 99, 3197-3216	5	31
63	Data-Based H $\infty$ Control for the Constrained-Input Nonlinear Systems and its Applications in Chaotic Circuit Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2020</b> , 67, 2791-2802	3.9	2
62	Coexisting asymmetric behavior and free control in a simple 3-D chaotic system. <i>AEU - International Journal of Electronics and Communications</i> , <b>2020</b> , 122, 153234	2.8	9
61	Cooperative optimal control for descriptor multi-agent systems. <i>IMA Journal of Mathematical Control and Information</i> , <b>2020</b> , 37, 935-952	1.1	1
60	Bipartite Consensus for Descriptor Multiagent Systems With Antagonistic Interactions. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2020</b> , 67, 2602-2606	3.5	4
59	Arm fracture detection in X-rays based on improved deep convolutional neural network. <i>Computers and Electrical Engineering</i> , <b>2020</b> , 81, 106530	4.3	14
58	Data-driven Two Degrees of Freedom Controller Design for MIMO System via VRFT Approach <b>2020</b> ,		2
57	Observer-based finite time adaptive fault tolerant control for nonaffine nonlinear systems with actuator faults and disturbances. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2020</b> , 34, 1430-1446	2.8	2
56	Robust Object Tracking via Reverse Low-Rank Sparse Learning and Fractional-Order Variation Regularization. <i>Mathematical Problems in Engineering</i> , <b>2020</b> , 2020, 1-10	1.1	
55	Cervical Cancer Cell Detection Based on Deep Convolutional Neural Network <b>2020</b> ,		3
54	Robust output consensus for a class of fractional-order interval multi-agent systems. <i>Asian Journal of Control</i> , <b>2020</b> , 22, 1679-1691	1.7	6
53	Quantized adaptive tracking control for nonlinear systems with actuator backlash compensation. <i>Journal of the Franklin Institute</i> , <b>2019</b> , 356, 8484-8506	4	8
52	Bursting oscillations and coexisting attractors in a simple memristor-capacitor-based chaotic circuit. <i>Nonlinear Dynamics</i> , <b>2019</b> , 97, 1477-1494	5	61
51	Thigh fracture detection using deep learning method based on new dilated convolutional feature pyramid network. <i>Pattern Recognition Letters</i> , <b>2019</b> , 125, 521-526	4.7	18
50	Optimal control of second-order and high-order descriptor systems. <i>Optimal Control Applications and Methods</i> , <b>2019</b> , 40, 791-806	1.7	4
49	Adaptive projective synchronization for a class of switched chaotic systems. <i>Mathematical Methods in the Applied Sciences</i> , <b>2019</b> , 42, 6192-6204	2.3	5
48	Solution for Selective Harmonic Elimination in Asymmetric Multilevel Inverter Based on Stochastic Configuration Network and Levenberg-Marquardt Algorithm <b>2019</b> ,		5
47	Optimal Output Feedback Control of Nonlinear Partially-Unknown Constrained-Input Systems Using Integral Reinforcement Learning. <i>Neural Processing Letters</i> , <b>2019</b> , 50, 2963-2989	2.4	3

46	Performance Index Based Observer-Type Iterative Learning Control for Consensus Tracking of Uncertain Nonlinear Fractional-Order Multiagent Systems. <i>Complexity</i> , <b>2019</b> , 2019, 1-17	1.6	
45	Control and Synchronization of a New Class of Finance Chaotic Systems <b>2019</b> ,		1
44	Sliding mode tracking control with differential evolution optimisation algorithm using integral-chain differentiator in uncertain nonlinear systems. <i>International Journal of Systems Science</i> , <b>2018</b> , 49, 1345-1352	2.3	4
43	An Auto-Segmentation Algorithm for Multi-Label Image Based on Graph Cut. <i>Sensing and Imaging</i> , <b>2018</b> , 19, 1	1.4	4
42	Lyapunov method for stability of descriptor second-order and high-order systems. <i>Journal of Industrial and Management Optimization</i> , <b>2018</b> , 14, 673-686	2	3
41	Fast terminal sliding-mode finite-time tracking control with differential evolution optimization algorithm using integral chain differentiator in uncertain nonlinear systems. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 625-639	3.6	16
40	A Review of Target Tracking Algorithm Based on UAV <b>2018</b> ,		4
39	Complete Synchronization of Finance Chaotic System with Disturbance by Using ADRC <b>2018</b> ,		1
38	GPU-based multilayer invariant EKF for camera localization. <i>Computers and Graphics</i> , <b>2018</b> , 76, 29-36	1.8	0
37	Compressive sparse principal component analysis for process supervisory monitoring and fault detection. <i>Journal of Process Control</i> , <b>2017</b> , 50, 1-10	3.9	18
36	A nonlinear control method for price-based demand response program in smart grid. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 74, 322-328	5.1	10
35	Strategy of active learning support vector machine for image retrieval. <i>IET Computer Vision</i> , <b>2016</b> , 10, 87-94	1.4	11
34	Object segmentation based on Gaussian mixture model and conditional random fields <b>2016</b> ,		3
33	Hierarchical dispatch using two-stage optimisation for electricity markets in smart grid. <i>International Journal of Systems Science</i> , <b>2016</b> , 47, 3529-3536	2.3	1
32	Eigenstructure assignment and impulse elimination for singular second-order system via feedback control. <i>IET Control Theory and Applications</i> , <b>2016</b> , 10, 869-876	2.5	6
31	State and output feedback finite-time guaranteed cost control of linear itōstochastic systems. <i>Journal of Systems Science and Complexity</i> , <b>2015</b> , 28, 813-829	1	27
30	A new method for the selection of distribution centre locations. <i>IMA Journal of Management Mathematics</i> , <b>2015</b> , dpv021	1.4	3
29	Minimum penalty for constrained evolutionary optimization. <i>Computational Optimization and Applications</i> , <b>2015</b> , 60, 513-544	1.4	8

28	Scale-sifting multiscale nonlinear process quality monitoring and fault detection. <i>Canadian Journal of Chemical Engineering</i> , <b>2015</b> , 93, 1416-1425	2.3	6
27	A Seismic Blind Deconvolution Algorithm Based on Bayesian Compressive Sensing. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-11	1.1	
26	Finite time consensus problem for multiple non-holonomic agents with communication delay. <i>Journal of Systems Science and Complexity</i> , <b>2015</b> , 28, 559-569	1	7
25	Finite-Time Stability and Stabilization of Itô Stochastic Systems With Markovian Switching: Mode-Dependent Parameter Approach. <i>IEEE Transactions on Automatic Control</i> , <b>2015</b> , 60, 2428-2433	5.9	115
24	Matching supply with demand: A power control and real time pricing approach. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2014</b> , 61, 111-117	5.1	33
23	A Synthesizing Effect-Based Solution Method for Stochastic Rough Multi-objective Programming Problems. <i>International Journal of Computational Intelligence Systems</i> , <b>2014</b> , 7, 696-705	3.4	1
22	Real-Time Pricing-Based Scheduling Strategy in Smart Grids: A Hierarchical Game Approach. <i>Journal of Applied Mathematics</i> , <b>2014</b> , 2014, 1-8	1.1	5
21	Finite-time leader-following consensus for multiple non-holonomic agents <b>2014</b> ,		1
20	Chaos synchronization of Chua's circuit and Lorenz system based on strictly positive realness <b>2014</b> ,		3
19	Finite-Time Stability and Stabilization of Linear Itô Stochastic Systems with State and Control-Dependent Noise. <i>Asian Journal of Control</i> , <b>2013</b> , 15, 270-281	1.7	65
18	Job-shop scheduling optimization design based on an improved GA <b>2012</b> ,		2
17	Non-fragile robust finite-time $H_2$ control for nonlinear stochastic itô systems using neural network. <i>International Journal of Control, Automation and Systems</i> , <b>2012</b> , 10, 873-882	2.9	33
16	Infinite horizon $H_2/H_\infty$ control for descriptor systems: Nash game approach. <i>Journal of Control Theory and Applications</i> , <b>2012</b> , 10, 159-165		5
15	Adaptive backstepping sliding mode control for nonlinear systems with input saturation. <i>Transactions of Tianjin University</i> , <b>2012</b> , 18, 46-51	2.9	10
14	Robust Stabilization for Stochastic Systems with Time-Delay and Nonlinear Uncertainties. <i>Mathematical Problems in Engineering</i> , <b>2012</b> , 2012, 1-17	1.1	1
13	Finite-time consensus problem for multiple non-holonomic mobile agents <b>2012</b> ,		4
12	Scheduling optimization for FMS based on Petri net modeling and GA <b>2011</b> ,		4
11	On consensus speed of leader-following multi-agent system with an improved algorithm <b>2011</b> ,		2

10	Impulsive Mode Elimination for Descriptor Systems by a Structured P-D Feedback. <i>IEEE Transactions on Automatic Control</i> , <b>2011</b> , 56, 2968-2973	5.9	14
9	Adaptive backstepping sliding mode control for nonlinear systems with neural networks <b>2009</b> ,		1
8	Delay-dependent H-infinity control of linear descriptor systems <b>2008</b> ,		3
7	Stabilization of rectangular descriptor systems <b>2008</b> ,		5
6	New Absolute Stability Condition for Time-Delay Systems with Sector-Bounded Nonlinearity. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	2
5	Stability Analysis and Controller Design for Linear Time Delay Systems with Actuator Saturation. <i>Proceedings of the American Control Conference</i> , <b>2007</b> ,	1.2	4
4	A New Method of PID Control Based on Improved BP Neural Network <b>2006</b> ,		3
3	Regularizability, controllability and observability of rectangular descriptor systems by dynamic compensation <b>2006</b> ,		2
2	ParallelNet: multiple backbone network for detection tasks on thigh bone fracture. <i>Multimedia Systems</i> ,1	2.2	2
1	Detection of human lower limb mechanical axis key points and its application on patella misalignment detection. <i>Applied Intelligence</i> ,1	4.9	