

Zhenyuan Guo

List of Publications by Year in descending order

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80
papers

3,127
citations

136740

32
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161609

54
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all docs

80
docs citations

80
times ranked

1390
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Synchronization of Multiple Memristive Neural Networks With Uncertain Parameters via Nonlinear Coupling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 1077-1086.	5.9	189
2	Global exponential dissipativity and stabilization of memristor-based recurrent neural networks with time-varying delays. Neural Networks, 2013, 48, 158-172.	3.3	183
3	Attractivity Analysis of Memristor-Based Cellular Neural Networks With Time-Varying Delays. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 704-717.	7.2	163
4	Global Exponential Synchronization of Two Memristor-Based Recurrent Neural Networks With Time Delays via Static or Dynamic Coupling. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2015, 45, 235-249.	5.9	163
5	Global Exponential Synchronization of Multiple Memristive Neural Networks With Time Delay via Nonlinear Coupling. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1300-1311.	7.2	136
6	Synchronization of memristive neural networks with leakage delay and parameters mismatch via event-triggered control. Neural Networks, 2019, 119, 178-189.	3.3	107
7	Passivity and Passification of Memristor-Based Recurrent Neural Networks With Time-Varying Delays. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2099-2109.	7.2	106
8	Finite-time synchronization of inertial memristive neural networks with time delay via delay-dependent control. Neurocomputing, 2018, 293, 100-107.	3.5	91
9	Event-Based Synchronization Control for Memristive Neural Networks With Time-Varying Delay. IEEE Transactions on Cybernetics, 2019, 49, 3268-3277.	6.2	90
10	Global exponential synchronization of delayed memristive neural networks with reactionâ€“diffusion terms. Neural Networks, 2020, 123, 70-81.	3.3	85
11	Periodic attractor for reactionâ€“diffusion high-order Hopfield neural networks with time-varying delays. Computers and Mathematics With Applications, 2017, 73, 233-245.	1.4	77
12	Global Synchronization of Multiple Recurrent Neural Networks With Time Delays via Impulsive Interactions. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1657-1667.	7.2	69
13	Memristor-Based Design of Sparse Compact Convolutional Neural Network. IEEE Transactions on Network Science and Engineering, 2020, 7, 1431-1440.	4.1	69
14	Global exponential synchronization of inertial memristive neural networks with time-varying delay via nonlinear controller. Neural Networks, 2018, 102, 138-148.	3.3	62
15	On the periodic dynamics of a class of time-varying delayed neural networks via differential inclusions. Neural Networks, 2012, 33, 97-113.	3.3	59
16	Memristive LSTM Network for Sentiment Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-11.	5.9	59
17	Finite-Time and Fixed-Time Synchronization of Coupled Memristive Neural Networks With Time Delay. IEEE Transactions on Cybernetics, 2021, 51, 2944-2955.	6.2	59
18	LMI conditions for global robust stability of delayed neural networks with discontinuous neuron activations. Applied Mathematics and Computation, 2009, 215, 889-900.	1.4	57

#	ARTICLE	IF	CITATIONS
19	Global synchronization of memristive neural networks subject to random disturbances via distributed pinning control. <i>Neural Networks</i> , 2016, 84, 67-79.	3.3	57
20	Global exponential synchronization of multiple coupled inertial memristive neural networks with time-varying delay via nonlinear coupling. <i>Neural Networks</i> , 2018, 108, 260-271.	3.3	56
21	Multilabel Image Classification via Feature/Label Co-Projection. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 7250-7259.	5.9	52
22	Global Exponential Synchronization of Coupled Delayed Memristive Neural Networks With Reactionâ€™Diffusion Terms via Distributed Pinning Controls. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 105-116.	7.2	49
23	Adaptive fourth-order partial differential equation filter for image denoising. <i>Applied Mathematics Letters</i> , 2011, 24, 1282-1288.	1.5	47
24	Multistability of Switched Neural Networks With Piecewise Linear Activation Functions Under State-Dependent Switching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 2052-2066.	7.2	46
25	Periodic Event-Triggered Synchronization of Multiple Memristive Neural Networks With Switching Topologies and Parameter Mismatch. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 427-437.	6.2	45
26	Dynamical behavior of delayed Hopfield neural networks with discontinuous activations. <i>Applied Mathematical Modelling</i> , 2009, 33, 1793-1802.	2.2	43
27	Stability and almost periodicity for delayed high-order Hopfield neural networks with discontinuous activations. <i>Nonlinear Dynamics</i> , 2014, 77, 1469-1484.	2.7	43
28	Event-based sliding-mode synchronization of delayed memristive neural networks via continuous/periodic sampling algorithm. <i>Applied Mathematics and Computation</i> , 2020, 383, 125379.	1.4	42
29	Multistability of switched neural networks with sigmoidal activation functions under state-dependent switching. <i>Neural Networks</i> , 2020, 122, 239-252.	3.3	38
30	Generalized Lyapunov method for discontinuous systems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2009, 71, 3083-3092.	0.6	36
31	Synchronization of discrete-time recurrent neural networks with time-varying delays via quantized sliding mode control. <i>Applied Mathematics and Computation</i> , 2020, 375, 125093.	1.4	35
32	Global dynamics of a controlled discontinuous diffusive SIR epidemic system. <i>Applied Mathematics Letters</i> , 2021, 121, 107420.	1.5	35
33	Global synchronization of stochastically disturbed memristive neurodynamics via discontinuous control laws. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2016, 3, 121-131.	8.5	32
34	Exponential synchronization of memristive neural networks with time-varying delays via quantized sliding-mode control. <i>Neural Networks</i> , 2020, 126, 163-169.	3.3	32
35	Global Exponential Synchronization of Memristive Competitive Neural Networks with Time-Varying Delay via Nonlinear Control. <i>Neural Processing Letters</i> , 2019, 49, 103-119.	2.0	31
36	Multistability of Recurrent Neural Networks With Piecewise-Linear Radial Basis Functions and State-Dependent Switching Parameters. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 4458-4471.	5.9	30

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37	Global synchronization of coupled delayed memristive reaction-diffusion neural networks. <i>Neural Networks</i> , 2020, 123, 362-371.	3.3	30
38	Finite/fixed-time synchronization of delayed memristive reaction-diffusion neural networks. <i>Neurocomputing</i> , 2020, 375, 1-8.	3.5	29
39	Multiple and Complete Stability of Recurrent Neural Networks With Sinusoidal Activation Function. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 229-240.	7.2	28
40	Global convergence of periodic solution of neural networks with discontinuous activation functions. <i>Chaos, Solitons and Fractals</i> , 2009, 42, 2351-2356.	2.5	26
41	Passivity and passification of memristive recurrent neural networks with multi-proportional delays and impulse. <i>Applied Mathematics and Computation</i> , 2020, 369, 124838.	1.4	25
42	Impact of discontinuous treatments on disease dynamics in an SIR epidemic model. <i>Mathematical Biosciences and Engineering</i> , 2012, 9, 97-110.	1.0	25
43	Stability analysis of Cohen-Grossberg neural networks with discontinuous neuron activations. <i>Applied Mathematical Modelling</i> , 2010, 34, 358-365.	2.2	24
44	A systematic method for analyzing robust stability of interval neural networks with time-delays based on stability criteria. <i>Neural Networks</i> , 2014, 54, 112-122.	3.3	24
45	Periodic synchronization control of discontinuous delayed networks by using extended Filippov-framework. <i>Neural Networks</i> , 2015, 68, 96-110.	3.3	23
46	Finite time stability of periodic solution for Hopfield neural networks with discontinuous activations. <i>Neurocomputing</i> , 2013, 103, 43-49.	3.5	22
47	Stabilization of memristive neural networks with mixed time-varying delays via continuous/periodic event-based control. <i>Journal of the Franklin Institute</i> , 2020, 357, 7122-7138.	1.9	22
48	Dynamical Behavior of Complex-Valued Hopfield Neural Networks with Discontinuous Activation Functions. <i>Neural Processing Letters</i> , 2017, 45, 1039-1061.	2.0	21
49	Projective Synchronization of Neural Networks via Continuous/Periodic Event-Based Sampling Algorithms. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 2746-2754.	4.1	20
50	Bifurcation and stability of a delayed SIS epidemic model with saturated incidence and treatment rates in heterogeneous networks. <i>Applied Mathematical Modelling</i> , 2022, 101, 55-75.	2.2	19
51	Impact of discontinuous harvesting on fishery dynamics in a stock-effort fishing model. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015, 20, 594-603.	1.7	18
52	Global robust dissipativity of interval recurrent neural networks with time-varying delay and discontinuous activations. <i>Chaos</i> , 2016, 26, 073101.	1.0	18
53	Global dynamic behavior of a plant disease model with ratio dependent impulsive control strategy. <i>Mathematics and Computers in Simulation</i> , 2020, 177, 120-139.	2.4	15
54	A Distributed Dynamical System for Optimal Resource Allocation Over State-Dependent Networks. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 2940-2951.	4.1	14

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55	Stability behavior of a two-susceptibility SHIR epidemic model with time delay in complex networks. <i>Nonlinear Dynamics</i> , 2021, 106, 1083-1110.	2.7	12
56	An Adaptive Multi-Agent System With Duplex Control Laws for Distributed Resource Allocation. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 389-400.	4.1	12
57	Generalized stability for discontinuous complex-valued Hopfield neural networks via differential inclusions. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2018, 474, 20180507.	1.0	11
58	Global Output Convergence of a Class of Recurrent Delayed Neural Networks with Discontinuous Neuron Activations. <i>Neural Processing Letters</i> , 2009, 30, 213-227.	2.0	10
59	Global exponential convergence and global convergence in finite time of non-autonomous discontinuous neural networks. <i>Nonlinear Dynamics</i> , 2009, 58, 349-359.	2.7	10
60	New results on periodic dynamics of memristor-based recurrent neural networks with time-varying delays. <i>Neurocomputing</i> , 2016, 218, 259-263.	3.5	10
61	Observer-Based Quasi-Synchronization of Delayed Dynamical Networks With Parameter Mismatch Under Impulsive Effect. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 3046-3055.	7.2	10
62	Adaptive Exact Penalty Design for Optimal Resource Allocation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 1430-1438.	7.2	10
63	Finite-Time and Fixed-Time Synchronization of Coupled Switched Neural Networks Subject to Stochastic Disturbances. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 6511-6523.	5.9	10
64	Sliding Mode Stabilization of Memristive Neural Networks With Leakage Delays and Control Disturbance. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 1254-1263.	7.2	7
65	Multistability of Switched Neural Networks With Gaussian Activation Functions Under State-Dependent Switching. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 6569-6583.	7.2	6
66	Synchronization control for memristive high-order competitive neural networks with time-varying delay. <i>Neurocomputing</i> , 2019, 363, 295-305.	3.5	5
67	A Second-Order Projected Primal-Dual Dynamical System for Distributed Optimization and Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2023, 34, 6568-6577.	7.2	5
68	Multi-periodicity of switched neural networks with time delays and periodic external inputs under stochastic disturbances. <i>Neural Networks</i> , 2021, 141, 107-119.	3.3	4
69	A Distributed Network System for Nonsmooth Coupled-Constrained Optimization. <i>IEEE Transactions on Network Science and Engineering</i> , 2022, 9, 3691-3700.	4.1	4
70	Stability Analysis for Delayed Neural Networks with Discontinuous Neuron Activations. <i>Asian Journal of Control</i> , 2013, 15, 1158-1167.	1.9	3
71	H ∞ control for neural networks with discontinuous activations and nonlinear external disturbance. <i>Journal of the Franklin Institute</i> , 2015, 352, 3144-3165.	1.9	3
72	Event-based passification of delayed memristive neural networks. <i>Information Sciences</i> , 2021, 569, 344-357.	4.0	3

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73	Stabilization Analysis for Linear Disturbed Event-Triggered Control System With Packet Losses. IEEE Transactions on Control of Network Systems, 2022, 9, 1339-1347.	2.4	3
74	Multistability of Fuzzy Neural Networks With a General Class of Activation Functions and State-Dependent Switching Rules. IEEE Transactions on Fuzzy Systems, 2023, 31, 645-659.	6.5	3
75	Global Stabilization of Memristive Neural Networks with Leakage and Time-Varying Delays Via Quantized Sliding-Mode Controller. Neural Processing Letters, 2020, 52, 2451-2468.	2.0	2
76	Quantized passification of delayed memristor-based neural networks via sliding model control. Journal of the Franklin Institute, 2020, 357, 3741-3752.	1.9	2
77	Global exponential anti-synchronization for delayed memristive neural networks via event-triggering method. Neural Computing and Applications, 2020, 32, 13521-13535.	3.2	2
78	Distributed κ -winners-take-all via multiple neural networks with inertia. Neural Networks, 2022, 151, 385-397.	3.3	2
79	Global Exponential Stability of a General Class of Recurrent Neural Networks with Variable Delays. Differential Equations and Dynamical Systems, 2011, 19, 133-148.	0.5	1
80	Distributed Convergence to Saddle-Points Over General Directed Multi-Agent Networks. , 2018, , .		1