Zhenyuan Guo

List of Publications by Year
in descending order

80 papers	**3,127** citations	136950 **32** h-index
80 all docs	**80** docs citations	**80** times ranked

161849
54
g-index

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.	9.3	189
2	Global exponential dissipativity and stabilization of memristor-based recurrent neural networks with time-varying delays. Neural Networks, 2013, 48, 158-172.	5.9	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.	11.3	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.	9.3	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.	11.3	136
6	Synchronization of memristive neural networks with leakage delay and parameters mismatch via event-triggered control. Neural Networks, 2019, 119, 178-189.	5.9	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.	11.3	106
8	Finite-time synchronization of inertial memristive neural networks with time delay via delay-dependent control. Neurocomputing, 2018, 293, 100-107.	5.9	91
9	Event-Based Synchronization Control for Memristive Neural Networks With Time-Varying Delay. IEEE Transactions on Cybernetics, 2019, 49, 3268-3277.	9.5	90
10	Global exponential synchronization of delayed memristive neural networks with reaction–diffusion terms. Neural Networks, 2020, 123, 70-81.	5.9	85
11	Periodic attractor for reaction–diffusion high-order Hopfield neural networks with time-varying delays. Computers and Mathematics With Applications, 2017, 73, 233-245.	2.7	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.	11.3	69
13	Memristor-Based Design of Sparse Compact Convolutional Neural Network. IEEE Transactions on Network Science and Engineering, 2020, 7, 1431-1440.	6.4	69
14	Global exponential synchronization of inertial memristive neural networks with time-varying delay via nonlinear controller. Neural Networks, 2018, 102, 138-148.	5.9	62
15	On the periodic dynamics of a class of time-varying delayed neural networks via differential inclusions. Neural Networks, 2012, 33, 97-113.	5.9	59
16	Memristive LSTM Network for Sentiment Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-11.	9.3	59
17	Finite-Time and Fixed-Time Synchronization of Coupled Memristive Neural Networks With Time Delay. IEEE Transactions on Cybernetics, 2021, 51, 2944-2955.	9.5	59
18	LMI conditions for global robust stability of delayed neural networks with discontinuous neuron activations. Applied Mathematics and Computation, 2009, 215, 889-900.	2.2	57

#	Article	IF	Citations
19	Global synchronization of memristive neural networks subject to random disturbances via distributed pinning control. Neural Networks, 2016, 84, 67-79.	5.9	57
20	Global exponential synchronization of multiple coupled inertial memristive neural networks with time-varying delay via nonlinear coupling. Neural Networks, 2018, 108, 260-271.	5.9	56
21	Multilabel Image Classification via Feature/Label Co-Projection. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7250-7259.	9.3	52
22	Global Exponential Synchronization of Coupled Delayed Memristive Neural Networks With Reaction–Diffusion Terms via Distributed Pinning Controls. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 105-116.	11.3	49
23	Adaptive fourth-order partial differential equation filter for image denoising. Applied Mathematics Letters, 2011, 24, 1282-1288.	2.7	47
24	Multistability of Switched Neural Networks With Piecewise Linear Activation Functions Under State-Dependent Switching. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2052-2066.	11.3	46
25	Periodic Event-Triggered Synchronization of Multiple Memristive Neural Networks With Switching Topologies and Parameter Mismatch. IEEE Transactions on Cybernetics, 2021, 51, 427-437.	9.5	45
26	Dynamical behavior of delayed Hopfield neural networks with discontinuous activations. Applied Mathematical Modelling, 2009, 33, 1793-1802.	4.2	43
27	Stability and almost periodicity for delayed high-order Hopfield neural networks with discontinuous activations. Nonlinear Dynamics, 2014, 77, 1469-1484.	5.2	43
28	Event-based sliding-mode synchronization of delayed memristive neural networks via continuous/periodic sampling algorithm. Applied Mathematics and Computation, 2020, 383, 125379.	2.2	42
29	Multistability of switched neural networks with sigmoidal activation functions under state-dependent switching. Neural Networks, 2020, 122, 239-252.	5.9	38
30	Generalized Lyapunov method for discontinuous systems. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 3083-3092.	1.1	36
31	Synchronization of discrete-time recurrent neural networks with time-varying delays via quantized sliding mode control. Applied Mathematics and Computation, 2020, 375, 125093.	2.2	35
32	Global dynamics of a controlled discontinuous diffusive SIR epidemic system. Applied Mathematics Letters, 2021, 121, 107420.	2.7	35
33	Global synchronization of stochastically disturbed memristive neurodynamics via discontinuous control laws. IEEE/CAA Journal of Automatica Sinica, 2016, 3, 121-131.	13.1	32
34	Exponential synchronization of memristive neural networks with time-varying delays via quantized sliding-mode control. Neural Networks, 2020, 126, 163-169.	5.9	32
35	Global Exponential Synchronization of Memristive Competitive Neural Networks with Time-Varying Delay via Nonlinear Control. Neural Processing Letters, 2019, 49, 103-119.	3.2	31
36	Multistability of Recurrent Neural Networks With Piecewise-Linear Radial Basis Functions and State-Dependent Switching Parameters. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4458-4471.	9.3	30

#	Article	IF	Citations
37	Global synchronization of coupled delayed memristive reaction–diffusion neural networks. Neural Networks, 2020, 123, 362-371.	5.9	30
38	Finite/fixed-time synchronization of delayed memristive reaction-diffusion neural networks. Neurocomputing, 2020, 375, 1-8.	5.9	29
39	Multiple and Complete Stability of Recurrent Neural Networks With Sinusoidal Activation Function. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 229-240.	11.3	28
40	Global convergence of periodic solution of neural networks with discontinuous activation functions. Chaos, Solitons and Fractals, 2009, 42, 2351-2356.	5.1	26
41	Passivity and passification of memristive recurrent neural networks with multi-proportional delays and impulse. Applied Mathematics and Computation, 2020, 369, 124838.	2.2	25
42	Impact of discontinuous treatments on disease dynamics in an SIR epidemic model. Mathematical Biosciences and Engineering, 2012, 9, 97-110.	1.9	25
43	Stability analysis of Cohen–Grossberg neural networks with discontinuous neuron activations. Applied Mathematical Modelling, 2010, 34, 358-365.	4.2	24
44	A systematic method for analyzing robust stability of interval neural networks with time-delays based on stability criteria. Neural Networks, 2014, 54, 112-122.	5.9	24
45	Periodic synchronization control of discontinuous delayed networks by using extended Filippov-framework. Neural Networks, 2015, 68, 96-110.	5.9	23
46	Finite time stability of periodic solution for Hopfield neural networks with discontinuous activations. Neurocomputing, 2013, 103, 43-49.	5.9	22
47	Stabilization of memristive neural networks with mixed time-varying delays via continuous/periodic event-based control. Journal of the Franklin Institute, 2020, 357, 7122-7138.	3.4	22
48	Dynamical Behavior of Complex-Valued Hopfield Neural Networks with Discontinuous Activation Functions. Neural Processing Letters, 2017, 45, 1039-1061.	3.2	21
49	Projective Synchroniztion of Neural Networks via Continuous/Periodic Event-Based Sampling Algorithms. IEEE Transactions on Network Science and Engineering, 2020, 7, 2746-2754.	6.4	20
50	Bifurcation and stability of a delayed SIS epidemic model with saturated incidence and treatment rates in heterogeneous networks. Applied Mathematical Modelling, 2022, 101, 55-75.	4.2	19
51	Impact of discontinuous harvesting on fishery dynamics in a stock-effort fishing model. Communications in Nonlinear Science and Numerical Simulation, 2015, 20, 594-603.	3.3	18
52	Global robust dissipativity of interval recurrent neural networks with time-varying delay and discontinuous activations. Chaos, 2016, 26, 073101.	2.5	18
53	Global dynamic behavior of a plant disease model with ratio dependent impulsive control strategy. Mathematics and Computers in Simulation, 2020, 177, 120-139.	4.4	15
54	A Distributed Dynamical System for Optimal Resource Allocation Over State-Dependent Networks. IEEE Transactions on Network Science and Engineering, 2022, 9, 2940-2951.	6.4	14

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55	Stability behavior of a two-susceptibility SHIR epidemic model with time delay in complex networks. Nonlinear Dynamics, 2021, 106, 1083-1110.	5.2	12
56	An Adaptive Multi-Agent System With Duplex Control Laws for Distributed Resource Allocation. IEEE Transactions on Network Science and Engineering, 2022, 9, 389-400.	6.4	12
57	Generalized stability for discontinuous complex-valued Hopfield neural networks via differential inclusions. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20180507.	2.1	11
58	Global Output Convergence of a Class of Recurrent Delayed Neural Networks with Discontinuous Neuron Activations. Neural Processing Letters, 2009, 30, 213-227.	3.2	10
59	Global exponential convergence and global convergence inÂfinite time of non-autonomous discontinuous neural networks. Nonlinear Dynamics, 2009, 58, 349-359.	5.2	10
60	New results on periodic dynamics of memristor-based recurrent neural networks with time-varying delays. Neurocomputing, 2016, 218, 259-263.	5.9	10
61	Observer-Based Quasi-Synchronization of Delayed Dynamical Networks With Parameter Mismatch Under Impulsive Effect. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 3046-3055.	11.3	10
62	Adaptive Exact Penalty Design for Optimal Resource Allocation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1430-1438.	11.3	10
63	Finite-Time and Fixed-Time Synchronization of Coupled Switched Neural Networks Subject to Stochastic Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6511-6523.	9.3	10
64	Sliding Mode Stabilization of Memristive Neural Networks With Leakage Delays and Control Disturbance. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1254-1263.	11.3	7
65	Multistability of Switched Neural Networks With Gaussian Activation Functions Under State-Dependent Switching. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6569-6583.	11.3	6
66	Synchronization control for memristive high-order competitive neural networks with time-varying delay. Neurocomputing, 2019, 363, 295-305.	5.9	5
67	A Second-Order Projected Primal-Dual Dynamical System for Distributed Optimization and Learning. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6568-6577.	11.3	5
68	Multi-periodicity of switched neural networks with time delays and periodic external inputs under stochastic disturbances. Neural Networks, 2021, 141, 107-119.	5.9	4
69	A Distributed Network System for Nonsmooth Coupled-Constrained Optimization. IEEE Transactions on Network Science and Engineering, 2022, 9, 3691-3700.	6.4	4
70	Stability Analysis for Delayed Neural Networks with Discontinuous Neuron Activations. Asian Journal of Control, 2013, 15, 1158-1167.	3.0	3
71	HâˆŽ control for neural networks with discontinuous activations and nonlinear external disturbance. Journal of the Franklin Institute, 2015, 352, 3144-3165.	3.4	3
72	Event-based passification of delayed memristive neural networks. Information Sciences, 2021, 569, 344-357.	6.9	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.	3.7	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.	9.8	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.	3.2	2
76	Quantized passification of delayed memristor-based neural networks via sliding model control. Journal of the Franklin Institute, 2020, 357, 3741-3752.	3.4	2
77	Global exponential anti-synchronization for delayed memristive neural networks via event-triggering method. Neural Computing and Applications, 2020, 32, 13521-13535.	5.6	2
78	Distributed k-winners-take-all via multiple neural networks with inertia. Neural Networks, 2022, 151, 385-397.	5.9	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.	1.0	1
80	Distributed Convergence to Saddle-Points Over General Directed Multi-Agent Networks. , 2018, , .		1