Zhenyuan Guo

List of Publications by Year
in descending order

80 papers	3,127 citations	136950 32 h-index	161849 54 g-index
80 all docs	80 docs citations	80 times ranked	1390 citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Exact Penalty Design for Optimal Resource Allocation. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 1430-1438.	11.3	10
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	Distributed k-winners-take-all via multiple neural networks with inertia. Neural Networks, 2022, 151, 385-397.	5.9	2
10	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
11	A Distributed Network System for Nonsmooth Coupled-Constrained Optimization. IEEE Transactions on Network Science and Engineering, 2022, 9, 3691-3700.	6.4	4
12	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
13	Multilabel Image Classification via Feature/Label Co-Projection. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 7250-7259.	9.3	52
14	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
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	Stability behavior of a two-susceptibility SHIR epidemic model with time delay in complex networks. Nonlinear Dynamics, 2021, 106, 1083-1110.	5.2	12
20	Event-based passification of delayed memristive neural networks. Information Sciences, 2021, 569, 344-357.	6.9	3
21	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
22	Global dynamics of a controlled discontinuous diffusive SIR epidemic system. Applied Mathematics Letters, 2021, 121, 107420.	2.7	35
23	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
24	Memristor-Based Design of Sparse Compact Convolutional Neural Network. IEEE Transactions on Network Science and Engineering, 2020, 7, 1431-1440.	6.4	69
25	Finite/fixed-time synchronization of delayed memristive reaction-diffusion neural networks. Neurocomputing, 2020, 375, 1-8.	5.9	29
26	Multistability of switched neural networks with sigmoidal activation functions under state-dependent switching. Neural Networks, 2020, 122, 239-252.	5.9	38
27	Global synchronization of coupled delayed memristive reaction–diffusion neural networks. Neural Networks, 2020, 123, 362-371.	5.9	30
28	Passivity and passification of memristive recurrent neural networks with multi-proportional delays and impulse. Applied Mathematics and Computation, 2020, 369, 124838.	2.2	25
29	Global exponential synchronization of delayed memristive neural networks with reaction–diffusion terms. Neural Networks, 2020, 123, 70-81.	5.9	85
30	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
31	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
32	Quantized passification of delayed memristor-based neural networks via sliding model control. Journal of the Franklin Institute, 2020, 357, 3741-3752.	3.4	2
33	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
34	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
35	Global exponential anti-synchronization for delayed memristive neural networks via event-triggering method. Neural Computing and Applications, 2020, 32, 13521-13535.	5.6	2
36	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

#	Article	IF	Citations
37	Exponential synchronization of memristive neural networks with time-varying delays via quantized sliding-mode control. Neural Networks, 2020, 126, 163-169.	5.9	32
38	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
39	Event-Based Synchronization Control for Memristive Neural Networks With Time-Varying Delay. IEEE Transactions on Cybernetics, 2019, 49, 3268-3277.	9.5	90
40	Synchronization of memristive neural networks with leakage delay and parameters mismatch via event-triggered control. Neural Networks, 2019, 119, 178-189.	5.9	107
41	Synchronization control for memristive high-order competitive neural networks with time-varying delay. Neurocomputing, 2019, 363, 295-305.	5.9	5
42	Memristive LSTM Network for Sentiment Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-11.	9.3	59
43	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
44	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
45	Finite-time synchronization of inertial memristive neural networks with time delay via delay-dependent control. Neurocomputing, 2018, 293, 100-107.	5.9	91
46	Global exponential synchronization of inertial memristive neural networks with time-varying delay via nonlinear controller. Neural Networks, 2018, 102, 138-148.	5.9	62
47	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
48	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
49	Distributed Convergence to Saddle-Points Over General Directed Multi-Agent Networks. , 2018, , .		1
50	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
51	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
52	Dynamical Behavior of Complex-Valued Hopfield Neural Networks with Discontinuous Activation Functions. Neural Processing Letters, 2017, 45, 1039-1061.	3.2	21
53	Global robust dissipativity of interval recurrent neural networks with time-varying delay and discontinuous activations. Chaos, 2016, 26, 073101.	2.5	18
54	Global synchronization of stochastically disturbed memristive neurodynamics via discontinuous control laws. IEEE/CAA Journal of Automatica Sinica, 2016, 3, 121-131.	13.1	32

#	ARTICLE	IF	CITATIONS
55	New results on periodic dynamics of memristor-based recurrent neural networks with time-varying delays. Neurocomputing, 2016, 218, 259-263.	5.9	10
56	Global synchronization of memristive neural networks subject to random disturbances via distributed pinning control. Neural Networks, 2016, 84, 67-79.	5.9	57
57	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
58	Periodic synchronization control of discontinuous delayed networks by using extended Filippov-framework. Neural Networks, 2015, 68, 96-110.	5.9	23
59	Hâˇž control for neural networks with discontinuous activations and nonlinear external disturbance. Journal of the Franklin Institute, 2015, 352, 3144-3165.	3.4	3
60	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
61	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
62	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
63	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
64	Stability and almost periodicity for delayed high-order Hopfield neural networks with discontinuous activations. Nonlinear Dynamics, 2014, 77, 1469-1484.	5.2	43
65	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
66	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
67	Global exponential dissipativity and stabilization of memristor-based recurrent neural networks with time-varying delays. Neural Networks, 2013, 48, 158-172.	5.9	183
68	Finite time stability of periodic solution for Hopfield neural networks with discontinuous activations. Neurocomputing, 2013, 103, 43-49.	5.9	22
69	Stability Analysis for Delayed Neural Networks with Discontinuous Neuron Activations. Asian Journal of Control, 2013, 15, 1158-1167.	3.0	3
70	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
71	Impact of discontinuous treatments on disease dynamics in an SIR epidemic model. Mathematical Biosciences and Engineering, 2012, 9, 97-110.	1.9	25
72	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

#	ARTICLE	IF	CITATIONS
73	Adaptive fourth-order partial differential equation filter for image denoising. Applied Mathematics Letters, 2011, 24, 1282-1288.	2.7	47
74	Stability analysis of Cohen–Grossberg neural networks with discontinuous neuron activations. Applied Mathematical Modelling, 2010, 34, 358-365.	4.2	24
75	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
76	Global exponential convergence and global convergence inÂfinite time of non-autonomous discontinuous neural networks. Nonlinear Dynamics, 2009, 58, 349-359.	5.2	10
77	Generalized Lyapunov method for discontinuous systems. Nonlinear Analysis: Theory, Methods & Applications, 2009, 71, 3083-3092.	1.1	36
78	Global convergence of periodic solution of neural networks with discontinuous activation functions. Chaos, Solitons and Fractals, 2009, 42, 2351-2356.	5.1	26
79	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
80	Dynamical behavior of delayed Hopfield neural networks with discontinuous activations. Applied Mathematical Modelling, 2009, 33, 1793-1802.	4.2	43