

Qiang Xiao

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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.

92
papers

3,662
citations

37
h-index

59
g-index

95
ext. papers

4,514
ext. citations

6.2
avg. IF

6.43
L-index

#	Paper	IF	Citations
92	Robust exponential stability of uncertain delayed neural networks with stochastic perturbation and impulse effects. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 866-75	10.3	259
91	Exponential Adaptive Lag Synchronization of Memristive Neural Networks via Fuzzy Method and Applications in Pseudorandom Number Generators. <i>IEEE Transactions on Fuzzy Systems</i> , 2014 , 22, 1704-1713	8.3	212
90	Synchronization of delayed chaotic systems with parameter mismatches by using intermittent linear state feedback. <i>Nonlinearity</i> , 2009 , 22, 569-584	1.7	211
89	Model-Free Optimal Tracking Control via Critic-Only Q-Learning. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 2134-44	10.3	165
88	Fuzzy Control for Uncertain Vehicle Active Suspension Systems via Dynamic Sliding-Mode Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 24-32	7.3	146
87	. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 1048-1057	8.3	125
86	Exponential stabilization and synchronization for fuzzy model of memristive neural networks by periodically intermittent control. <i>Neural Networks</i> , 2016 , 75, 162-72	9.1	115
85	Passivity and Synchronization of Linearly Coupled Reaction-Diffusion Neural Networks With Adaptive Coupling. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 1942-52	10.2	111
84	Synchronization of memristive neural networks with leakage delay and parameters mismatch via event-triggered control. <i>Neural Networks</i> , 2019 , 119, 178-189	9.1	77
83	Stabilization for sampled-data systems under noisy sampling interval. <i>Automatica</i> , 2016 , 63, 162-166	5.7	73
82	Generating Realistic Videos From Keyframes With Concatenated GANs. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 29, 2337-2348	6.4	73
81	Quantized/Saturated Control for Sampled-Data Systems Under Noisy Sampling Intervals: A Confluent Vandermonde Matrix Approach. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 4753-4759	5.9	72
80	An Inertial Projection Neural Network for Solving Variational Inequalities. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 809-814	10.2	69
79	Synchronization of neural networks with stochastic perturbation via aperiodically intermittent control. <i>Neural Networks</i> , 2015 , 71, 105-11	9.1	68
78	Passivity analysis of delayed reaction-diffusion memristor-based neural networks. <i>Neural Networks</i> , 2019 , 109, 159-167	9.1	66
77	Memristor-Based Echo State Network With Online Least Mean Square. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1787-1796	7.3	60
76	General memristor with applications in multilayer neural networks. <i>Neural Networks</i> , 2018 , 103, 142-149	9.1	58

75	Adaptive Neural-Fuzzy Sliding-Mode Fault-Tolerant Control for Uncertain Nonlinear Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2268-2278	7.3	57
74	Lagrange Stability for TS Fuzzy Memristive Neural Networks with Time-Varying Delays on Time Scales. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 1091-1103	8.3	57
73	Passivity Analysis for Memristor-Based Inertial Neural Networks With Discrete and Distributed Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 375-385	7.3	56
72	Stability analysis for discrete-time stochastic memristive neural networks with both leakage and probabilistic delays. <i>Neural Networks</i> , 2018 , 102, 1-9	9.1	55
71	Scale-Limited Lagrange Stability and Finite-Time Synchronization for Memristive Recurrent Neural Networks on Time Scales. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2984-2994	10.2	52
70	Global exponential stability of inertial memristor-based neural networks with time-varying delays and impulses. <i>Neural Networks</i> , 2017 , 95, 102-109	9.1	52
69	Event-triggered distributed control for synchronization of multiple memristive neural networks under cyber-physical attacks. <i>Information Sciences</i> , 2020 , 518, 361-375	7.7	52
68	Global exponential synchronization of delayed memristive neural networks with reaction-diffusion terms. <i>Neural Networks</i> , 2020 , 123, 70-81	9.1	51
67	Passivity and Passification of Fuzzy Memristive Inertial Neural Networks on Time Scales. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3342-3355	8.3	48
66	Global Exponential Stability and Synchronization for Discrete-Time Inertial Neural Networks With Time Delays: A Timescale Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 1854-1866	10.3	46
65	One-Layer Continuous-and Discrete-Time Projection Neural Networks for Solving Variational Inequalities and Related Optimization Problems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014 , 25, 1308-1318	10.3	45
64	Exponential stabilization of delayed recurrent neural networks: A state estimation based approach. <i>Neural Networks</i> , 2013 , 48, 153-7	9.1	45
63	Exponential stability of inertial BAM neural networks with time-varying delay via periodically intermittent control. <i>Neural Computing and Applications</i> , 2015 , 26, 1781-1787	4.8	43
62	Periodicity and stability for variable-time impulsive neural networks. <i>Neural Networks</i> , 2017 , 94, 24-33	9.1	43
61	Sliding mode control of neural networks via continuous or periodic sampling event-triggering algorithm. <i>Neural Networks</i> , 2020 , 121, 140-147	9.1	42
60	Memristive Fully Convolutional Network: An Accurate Hardware Image-Segmentor in Deep Learning. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2018 , 2, 324-334	4.1	42
59	Lagrange Stability and Finite-Time Stabilization of Fuzzy Memristive Neural Networks With Hybrid Time-Varying Delays. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 2959-2970	10.2	41
58	Memristive LSTM Network for Sentiment Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 1-11	7.3	40

57	New fixed-time stability lemmas and applications to the discontinuous fuzzy inertial neural networks. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	40
56	Passivity and passification of memristive neural networks with leakage term and time-varying delays. <i>Applied Mathematics and Computation</i> , 2019 , 361, 294-310	2.7	37
55	Stability of delayed memristive neural networks with time-varying impulses. <i>Cognitive Neurodynamics</i> , 2014 , 8, 429-36	4.2	36
54	Neural Cryptography Based on Complex-Valued Neural Network. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 4999-5004	10.3	36
53	. <i>IEEE Transactions on Network Science and Engineering</i> , 2020 , 7, 1431-1440	4.9	36
52	Event-triggered H _∞ state estimation for discrete-time neural networks with mixed time delays and sensor saturations. <i>Neural Computing and Applications</i> , 2017 , 28, 3815-3825	4.8	35
51	Passivity and Synchronization of Coupled Uncertain Reaction-Diffusion Neural Networks With Multiple Time Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019 , 30, 2434-2448	10.3	34
50	New Criteria of Passivity Analysis for Fuzzy Time-Delay Systems With Parameter Uncertainties. <i>IEEE Transactions on Fuzzy Systems</i> , 2015 , 23, 2284-2301	8.3	33
49	Event-Based Time-Interval Pinning Control for Complex Networks on Time Scales and Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 8797-8808	8.9	30
48	Containment Control for Multiagent Systems Under Two Intermittent Control Schemes. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 1236-1243	5.9	30
47	Distributed Power Management for Dynamic Economic Dispatch in the Multimicrogrids Environment. <i>IEEE Transactions on Control Systems Technology</i> , 2019 , 27, 1651-1658	4.8	30
46	Neural network for solving Nash equilibrium problem in application of multiuser power control. <i>Neural Networks</i> , 2014 , 57, 73-8	9.1	29
45	CKFO: Convolution Kernel First Operated Algorithm With Applications in Memristor-Based Convolutional Neural Network. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2021 , 40, 1640-1647	2.5	28
44	Collective neurodynamic optimization for economic emission dispatch problem considering valve point effect in microgrid. <i>Neural Networks</i> , 2017 , 93, 126-136	9.1	27
43	Hybrid impulsive and switching Hopfield neural networks with state-dependent impulses. <i>Neural Networks</i> , 2017 , 93, 176-184	9.1	27
42	An Improved Result on Sampled-Data Synchronization of Markov Jump Delayed Neural Networks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3608-3616	7.3	26
41	Impulsive stabilization and synchronization of Hopfield-type neural networks with impulse time window. <i>Neural Computing and Applications</i> , 2017 , 28, 775-782	4.8	23
40	Exponential Stabilization of Inertial Memristive Neural Networks With Multiple Time Delays. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 579-588	10.2	23

39	Consensus of multi-agent system with distributed control on time scales. <i>Applied Mathematics and Computation</i> , 2016 , 277, 54-71	2.7	22
38	Quantized synchronization of memristive neural networks with time-varying delays via super-twisting algorithm. <i>Neurocomputing</i> , 2020 , 380, 133-140	5.4	22
37	Adaptive synchronization for fuzzy inertial complex-valued neural networks with state-dependent coefficients and mixed delays. <i>Fuzzy Sets and Systems</i> , 2021 , 411, 174-189	3.7	17
36	A recurrent neural network for adaptive beamforming and array correction. <i>Neural Networks</i> , 2016 , 80, 110-7	9.1	16
35	Robust Stability of Inertial BAM Neural Networks with Time Delays and Uncertainties via Impulsive Effect. <i>Neural Processing Letters</i> , 2018 , 48, 245-256	2.4	15
34	Sandwich control systems with impulse time windows. <i>International Journal of Machine Learning and Cybernetics</i> , 2017 , 8, 2009-2015	3.8	13
33	On-line prediction of ferrous ion concentration in goethite process based on self-adjusting structure RBF neural network. <i>Neural Networks</i> , 2019 , 116, 1-10	9.1	12
32	Lagrange stability of delayed switched inertial neural networks. <i>Neurocomputing</i> , 2020 , 381, 52-60	5.4	12
31	Exponential synchronization of memristive neural networks with time-varying delays via quantized sliding-mode control. <i>Neural Networks</i> , 2020 , 126, 163-169	9.1	11
30	Event-Triggered Stabilization for Takagi-Sugeno Fuzzy Complex-Valued Memristive Neural Networks With Mixed Time-Varying Delays. <i>IEEE Transactions on Fuzzy Systems</i> , 2020 , 1-1	8.3	10
29	Event-triggered impulsive synchronization of discrete-time coupled neural networks with stochastic perturbations and multiple delays. <i>Neural Networks</i> , 2020 , 132, 447-460	9.1	10
28	Stabilization of Nonautonomous Recurrent Neural Networks With Bounded and Unbounded Delays on Time Scales. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4307-4317	10.2	10
27	Output Synchronization of Complex Dynamical Networks With Multiple Output or Output Derivative Couplings. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 927-937	10.2	9
26	On Exponential Stability of Delayed Discrete-Time Complex-Valued Inertial Neural Networks. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	8
25	Passivity analysis of coupled neural networks with reaction-diffusion terms and mixed delays. <i>Journal of the Franklin Institute</i> , 2018 , 355, 8915-8933	4	8
24	Designing pulse-coupled neural networks with spike-synchronization-dependent plasticity rule: image segmentation and memristor circuit application. <i>Neural Computing and Applications</i> , 2020 , 32, 13441-13452	4.8	7
23	Global exponential synchronization of nonautonomous recurrent neural networks with time delays on time scales. <i>Applied Mathematics and Computation</i> , 2018 , 328, 263-275	2.7	7
22	Complex dynamics of a delayed discrete neural network of two nonidentical neurons. <i>Chaos</i> , 2014 , 24, 013108	3.3	7

21	A projection neural network for optimal demand response in smart grid environment. <i>Neural Computing and Applications</i> , 2018 , 29, 259-267	4.8	6
20	Positivity and Stability of Delayed Timescale-Type Differential-Difference Equations. <i>IEEE Transactions on Automatic Control</i> , 2021 , 66, 3221-3226	5.9	6
19	Stability of delayed inertial neural networks on time scales: A unified matrix-measure approach. <i>Neural Networks</i> , 2020 , 130, 33-38	9.1	5
18	A Sparse Multiwavelet-Based Generalized Laguerre-Volterra Model for Identifying Time-Varying Neural Dynamics from Spiking Activities. <i>Entropy</i> , 2017 , 19, 425	2.8	5
17	Global Exponential Stability of Memristive Neural Networks With Mixed Time-Varying Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , 32, 3690-3699	10.3	5
16	SRMC: A Multibit Memristor Crossbar for Self-Renewing Image Mask. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2018 , 26, 2830-2841	2.6	4
15	Stability and Bifurcation Analysis of a Modified Epidemic Model for Computer Viruses. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-14	1.1	4
14	Quasisynchronization of Discrete-Time Inertial Neural Networks With Parameter Mismatches and Delays. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 2290-2295	10.2	4
13	Observer-based H_∞ control of discrete Markovian jump delay systems with random packet losses and multiplicative noises. <i>Optimal Control Applications and Methods</i> , 2013 , 34, 728-741	1.7	3
12	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	10.3	3
11	Fixed-Time Stability for Discontinuous Uncertain Inertial Neural Networks With Time-Varying Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-11	7.3	3
10	A Discrete-Time Projection Neural Network for Solving Degenerate Convex Quadratic Optimization. <i>Circuits, Systems, and Signal Processing</i> , 2017 , 36, 389-403	2.2	2
9	Fully Distributed Consensus Tracking of Stochastic Nonlinear Multiagent Systems With Markovian Switching Topologies via Intermittent Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-10	7.3	2
8	Exponential Stabilization of Fuzzy Memristive Neural Networks With Multiple Time Delays Via Intermittent Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-10	7.3	2
7	Zero-Hopf Bifurcation of a memristive synaptic Hopfield neural network with time delay.. <i>Neural Networks</i> , 2022 , 149, 146-156	9.1	2
6	Sandwich control systems 2015 ,		1
5	An event-based interaction method for consensus of multiple complex networks. <i>Journal of the Franklin Institute</i> , 2020 , 357, 13766-13784	4	1
4	Synchronization of Timescale-Type Nonautonomous Neural Networks With Proportional Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-7	7.3	1

3	Global exponential anti-synchronization for delayed memristive neural networks via event-triggering method. <i>Neural Computing and Applications</i> , 2020 , 32, 13521-13535	4.8	○
2	Impulse-based coupling synchronization of multiple discrete-time memristor-based neural networks with stochastic perturbations and mixed delays. <i>Journal of the Franklin Institute</i> , 2021 , 358, 980-1001	4	○
1	Internally Positive Representation to Stability of Delayed Timescale-Type Differential- Difference Equation. <i>IEEE Access</i> , 2021 , 9, 34660-34666	3.5	○