Qiang Xiao

List of Publications by Year in Descending Order

92	3,662	37	59
papers	citations	h-index	g-index

95	4,514	6.2	6.43
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
92	Zero-Hopf Bifurcation of a memristive synaptic Hopfield neural network with time delay.. *Neural Networks*, **2022**, 149, 146-156	9.1	2
91	Global Exponential Stability of Memristive Neural Networks With Mixed Time-Varying Delays. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 3690-3699	10.3	5
90	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	10.3	3
89	Adaptive synchronization for fuzzy inertial complex-valued neural networks with state-dependent coefficients and mixed delays. *Fuzzy Sets and Systems*, **2021**, 411, 174-189	3.7	17
88	Output Synchronization of Complex Dynamical Networks With Multiple Output or Output Derivative Couplings. *IEEE Transactions on Cybernetics*, **2021**, 51, 927-937	10.2	9
87	Impulse-based coupling synchronization of multiple discrete-time memristor-based neural networks with stochastic perturbations and mixed delays. *Journal of the Franklin Institute*, **2021**, 358, 980-1001	4	0
86	Positivity and Stability of Delayed Timescale-Type Differential-Difference Equations. *IEEE Transactions on Automatic Control*, **2021**, 66, 3221-3226	5.9	6
85	CKFO: Convolution Kernel First Operated Algorithm With Applications in Memristor-Based Convolutional Neural Network. *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, **2021**, 40, 1640-1647	2.5	28
84	An Improved Result on Sampled-Data Synchronization of Markov Jump Delayed Neural Networks. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 3608-3616	7.3	26
83	Quasisynchronization of Discrete-Time Inertial Neural Networks With Parameter Mismatches and Delays. *IEEE Transactions on Cybernetics*, **2021**, 51, 2290-2295	10.2	4
82	Exponential Stabilization of Inertial Memristive Neural Networks With Multiple Time Delays. *IEEE Transactions on Cybernetics*, **2021**, 51, 579-588	10.2	23
81	Synchronization of Timescale-Type Nonautonomous Neural Networks With Proportional Delays. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-7	7.3	1
80	Fixed-Time Stability for Discontinuous Uncertain Inertial Neural Networks With Time-Varying Delays. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-11	7.3	3
79	Fully Distributed Consensus Tracking of Stochastic Nonlinear Multiagent Systems With Markovian Switching Topologies via Intermittent Control. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-10	7.3	2
78	Internally Positive Representation to Stability of Delayed Timescale-Type Differential- Difference Equation. *IEEE Access*, **2021**, 9, 34660-34666	3.5	0
77	Exponential Stabilization of Fuzzy Memristive Neural Networks With Multiple Time Delays Via Intermittent Control. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-10	7.3	2
76	Stability of delayed inertial neural networks on time scales: A unified matrix-measure approach. *Neural Networks*, **2020**, 130, 33-38	9.1	5

75	Global exponential anti-synchronization for delayed memristive neural networks via event-triggering method. *Neural Computing and Applications*, **2020**, 32, 13521-13535	4.8	0
74	Event-triggered distributed control for synchronization of multiple memristive neural networks under cyber-physical attacks. *Information Sciences*, **2020**, 518, 361-375	7.7	52
73	Designing pulse-coupled neural networks with spike-synchronization-dependent plasticity rule: image segmentation and memristor circuit application. *Neural Computing and Applications*, **2020**, 32, 13441-13452	4.8	7
72	Event-Triggered Stabilization for Takagi–Sugeno Fuzzy Complex-Valued Memristive Neural Networks With Mixed Time-Varying Delays. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	10
71	Exponential synchronization of memristive neural networks with time-varying delays via quantized sliding-mode control. *Neural Networks*, **2020**, 126, 163-169	9.1	11
70	An event-based interaction method for consensus of multiple complex networks. *Journal of the Franklin Institute*, **2020**, 357, 13766-13784	4	1
69	Quantized synchronization of memristive neural networks with time-varying delays via super-twisting algorithm. *Neurocomputing*, **2020**, 380, 133-140	5.4	22
68	Global exponential synchronization of delayed memristive neural networks with reaction-diffusion terms. *Neural Networks*, **2020**, 123, 70-81	9.1	51
67	Neural Cryptography Based on Complex-Valued Neural Network. *IEEE Transactions on Neural Networks and Learning Systems*, **2020**, 31, 4999-5004	10.3	36
66	New fixed-time stability lemmas and applications to the discontinuous fuzzy inertial neural networks. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	40
65	Event-triggered impulsive synchronization of discrete-time coupled neural networks with stochastic perturbations and multiple delays. *Neural Networks*, **2020**, 132, 447-460	9.1	10
64	On Exponential Stability of Delayed Discrete-Time Complex-Valued Inertial Neural Networks. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	8
63	Lagrange Stability and Finite-Time Stabilization of Fuzzy Memristive Neural Networks With Hybrid Time-Varying Delays. *IEEE Transactions on Cybernetics*, **2020**, 50, 2959-2970	10.2	41
62	Sliding mode control of neural networks via continuous or periodic sampling event-triggering algorithm. *Neural Networks*, **2020**, 121, 140-147	9.1	42
61	Lagrange stability of delayed switched inertial neural networks. *Neurocomputing*, **2020**, 381, 52-60	5.4	12
60	. *IEEE Transactions on Network Science and Engineering*, **2020**, 7, 1431-1440	4.9	36
59	Stabilization of Nonautonomous Recurrent Neural Networks With Bounded and Unbounded Delays on Time Scales. *IEEE Transactions on Cybernetics*, **2020**, 50, 4307-4317	10.2	10
58	Passivity and passification of memristive neural networks with leakage term and time-varying delays. *Applied Mathematics and Computation*, **2019**, 361, 294-310	2.7	37

57	Memristive LSTM Network for Sentiment Analysis. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-11	7.3	40
56	On-line prediction of ferrous ion concentration in goethite process based on self-adjusting structure RBF neural network. *Neural Networks*, **2019**, 116, 1-10	9.1	12
55	Containment Control for Multiagent Systems Under Two Intermittent Control Schemes. *IEEE Transactions on Automatic Control*, **2019**, 64, 1236-1243	5.9	30
54	Memristor-Based Echo State Network With Online Least Mean Square. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 1787-1796	7.3	60
53	Synchronization of memristive neural networks with leakage delay and parameters mismatch via event-triggered control. *Neural Networks*, **2019**, 119, 178-189	9.1	77
52	Generating Realistic Videos From Keyframes With Concatenated GANs. *IEEE Transactions on Circuits and Systems for Video Technology*, **2019**, 29, 2337-2348	6.4	73
51	Passivity and Synchronization of Coupled Uncertain Reaction-Diffusion Neural Networks With Multiple Time Delays. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 2434-2448	10.3	34
50	Global Exponential Stability and Synchronization for Discrete-Time Inertial Neural Networks With Time Delays: A Timescale Approach. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 1854-1866	10.3	46
49	Passivity analysis of delayed reaction-diffusion memristor-based neural networks. *Neural Networks*, **2019**, 109, 159-167	9.1	66
48	Passivity Analysis for Memristor-Based Inertial Neural Networks With Discrete and Distributed Delays. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 375-385	7.3	56
47	Distributed Power Management for Dynamic Economic Dispatch in the Multimicrogrids Environment. *IEEE Transactions on Control Systems Technology*, **2019**, 27, 1651-1658	4.8	30
46	Stability analysis for discrete-time stochastic memristive neural networks with both leakage and probabilistic delays. *Neural Networks*, **2018**, 102, 1-9	9.1	55
45	Global exponential synchronization of nonautonomous recurrent neural networks with time delays on time scales. *Applied Mathematics and Computation*, **2018**, 328, 263-275	2.7	7
44	Passivity and Passification of Fuzzy Memristive Inertial Neural Networks on Time Scales. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3342-3355	8.3	48
43	General memristor with applications in multilayer neural networks. *Neural Networks*, **2018**, 103, 142-149	9.1	58
42	Event-Based Time-Interval Pinning Control for Complex Networks on Time Scales and Applications. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 8797-8808	8.9	30
41	A projection neural network for optimal demand response in smart grid environment. *Neural Computing and Applications*, **2018**, 29, 259-267	4.8	6
40	Lagrange Stability for TS Fuzzy Memristive Neural Networks with Time-Varying Delays on Time Scales. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 1091-1103	8.3	57

39	Robust Stability of Inertial BAM Neural Networks with Time Delays and Uncertainties via Impulsive Effect. *Neural Processing Letters*, **2018**, 48, 245-256	2.4	15
38	SRMC: A Multibit Memristor Crossbar for Self-Renewing Image Mask. *IEEE Transactions on Very Large Scale Integration (VLSI) Systems*, **2018**, 26, 2830-2841	2.6	4
37	Memristive Fully Convolutional Network: An Accurate Hardware Image-Segmentor in Deep Learning. *IEEE Transactions on Emerging Topics in Computational Intelligence*, **2018**, 2, 324-334	4.1	42
36	Passivity analysis of coupled neural networks with reaction-diffusion terms and mixed delays. *Journal of the Franklin Institute*, **2018**, 355, 8915-8933	4	8
35	Event-triggered H ∞ state estimation for discrete-time neural networks with mixed time delays and sensor saturations. *Neural Computing and Applications*, **2017**, 28, 3815-3825	4.8	35
34	An Inertial Projection Neural Network for Solving Variational Inequalities. *IEEE Transactions on Cybernetics*, **2017**, 47, 809-814	10.2	69
33	Impulsive stabilization and synchronization of Hopfield-type neural networks with impulse time window. *Neural Computing and Applications*, **2017**, 28, 775-782	4.8	23
32	Fuzzy Control for Uncertain Vehicle Active Suspension Systems via Dynamic Sliding-Mode Approach. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 24-32	7.3	146
31	A Discrete-Time Projection Neural Network for Solving Degenerate Convex Quadratic Optimization. *Circuits, Systems, and Signal Processing*, **2017**, 36, 389-403	2.2	2
30	Adaptive Neural-Fuzzy Sliding-Mode Fault-Tolerant Control for Uncertain Nonlinear Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 2268-2278	7.3	57
29	Scale-Limited Lagrange Stability and Finite-Time Synchronization for Memristive Recurrent Neural Networks on Time Scales. *IEEE Transactions on Cybernetics*, **2017**, 47, 2984-2994	10.2	52
28	Global exponential stability of inertial memristor-based neural networks with time-varying delays and impulses. *Neural Networks*, **2017**, 95, 102-109	9.1	52
27	Collective neurodynamic optimization for economic emission dispatch problem considering valve point effect in microgrid. *Neural Networks*, **2017**, 93, 126-136	9.1	27
26	Hybrid impulsive and switching Hopfield neural networks with state-dependent impulses. *Neural Networks*, **2017**, 93, 176-184	9.1	27
25	Quantized/Saturated Control for Sampled-Data Systems Under Noisy Sampling Intervals: A Confluent Vandermonde Matrix Approach. *IEEE Transactions on Automatic Control*, **2017**, 62, 4753-4759	5.9	72
24	Periodicity and stability for variable-time impulsive neural networks. *Neural Networks*, **2017**, 94, 24-33	9.1	43
23	Sandwich control systems with impulse time windows. *International Journal of Machine Learning and Cybernetics*, **2017**, 8, 2009-2015	3.8	13
22	A Sparse Multiwavelet-Based Generalized Laguerre-Volterra Model for Identifying Time-Varying Neural Dynamics from Spiking Activities. *Entropy*, **2017**, 19, 425	2.8	5

21	Model-Free Optimal Tracking Control via Critic-Only Q-Learning. *IEEE Transactions on Neural Networks and Learning Systems*, **2016**, 27, 2134-44	10.3	165
20	Consensus of multi-agent system with distributed control on time scales. *Applied Mathematics and Computation*, **2016**, 277, 54-71	2.7	22
19	Stabilization for sampled-data systems under noisy sampling interval. *Automatica*, **2016**, 63, 162-166	5.7	73
18	. *IEEE Transactions on Fuzzy Systems*, **2016**, 24, 1048-1057	8.3	125
17	Exponential stabilization and synchronization for fuzzy model of memristive neural networks by periodically intermittent control. *Neural Networks*, **2016**, 75, 162-72	9.1	115
16	A recurrent neural network for adaptive beamforming and array correction. *Neural Networks*, **2016**, 80, 110-7	9.1	16
15	Exponential stability of inertial BAM neural networks with time-varying delay via periodically intermittent control. *Neural Computing and Applications*, **2015**, 26, 1781-1787	4.8	43
14	New Criteria of Passivity Analysis for Fuzzy Time-Delay Systems With Parameter Uncertainties. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 2284-2301	8.3	33
13	Synchronization of neural networks with stochastic perturbation via aperiodically intermittent control. *Neural Networks*, **2015**, 71, 105-11	9.1	68
12	Passivity and Synchronization of Linearly Coupled Reaction-Diffusion Neural Networks With Adaptive Coupling. *IEEE Transactions on Cybernetics*, **2015**, 45, 1942-52	10.2	111
11	Sandwich control systems **2015**,		1
10	Complex dynamics of a delayed discrete neural network of two nonidentical neurons. *Chaos*, **2014**, 24, 013108	3.3	7
9	Exponential Adaptive Lag Synchronization of Memristive Neural Networks via Fuzzy Method and Applications in Pseudorandom Number Generators. *IEEE Transactions on Fuzzy Systems*, **2014**, 22, 1704-1713	8.3	212
8	Stability of delayed memristive neural networks with time-varying impulses. *Cognitive Neurodynamics*, **2014**, 8, 429-36	4.2	36
7	One-Layer Continuous-and Discrete-Time Projection Neural Networks for Solving Variational Inequalities and Related Optimization Problems. *IEEE Transactions on Neural Networks and Learning Systems*, **2014**, 25, 1308-1318	10.3	45
6	Neural network for solving Nash equilibrium problem in application of multiuser power control. *Neural Networks*, **2014**, 57, 73-8	9.1	29
5	Stability and Bifurcation Analysis of a Modified Epidemic Model for Computer Viruses. *Mathematical Problems in Engineering*, **2014**, 2014, 1-14	1.1	4
4	Exponential stabilization of delayed recurrent neural networks: A state estimation based approach. *Neural Networks*, **2013**, 48, 153-7	9.1	45

LIST OF PUBLICATIONS

3	Observer-based H control of discrete Markovian jump delay systems with random packet losses and multiplicative noises. *Optimal Control Applications and Methods*, **2013**, 34, 728-741	1.7	3
2	Robust exponential stability of uncertain delayed neural networks with stochastic perturbation and impulse effects. *IEEE Transactions on Neural Networks and Learning Systems*, **2012**, 23, 866-75	10.3	259
1	Synchronization of delayed chaotic systems with parameter mismatches by using intermittent linear state feedback. *Nonlinearity*, **2009**, 22, 569-584	1.7	211