

# Qiang Xiao

## List of Publications by Year in descending order

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95  
papers

5,261  
citations

53660

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85405

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95  
docs citations

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times ranked

2747  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Exponential Stability of Uncertain Delayed Neural Networks With Stochastic Perturbation and Impulse Effects. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 866-875.	7.2	313
2	Synchronization of delayed chaotic systems with parameter mismatches by using intermittent linear state feedback. Nonlinearity, 2009, 22, 569-584.	0.6	260
3	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.	6.5	253
4	Model-Free Optimal Tracking Control via Critic-Only Q-Learning. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2134-2144.	7.2	245
5	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.	5.9	208
6	Aperiodic Sampled-Data Sliding-Mode Control of Fuzzy Systems With Communication Delays Via the Event-Triggered Method. IEEE Transactions on Fuzzy Systems, 2016, 24, 1048-1057.	6.5	149
7	Exponential stabilization and synchronization for fuzzy model of memristive neural networks by periodically intermittent control. Neural Networks, 2016, 75, 162-172.	3.3	143
8	Passivity and Synchronization of Linearly Coupled Reaction-Diffusion Neural Networks With Adaptive Coupling. IEEE Transactions on Cybernetics, 2015, 45, 1942-1952.	6.2	126
9	Synchronization of memristive neural networks with leakage delay and parameters mismatch via event-triggered control. Neural Networks, 2019, 119, 178-189.	3.3	107
10	Stabilization for sampled-data systems under noisy sampling interval. Automatica, 2016, 63, 162-166.	3.0	105
11	Synchronization of neural networks with stochastic perturbation via aperiodically intermittent control. Neural Networks, 2015, 71, 105-111.	3.3	94
12	Generating Realistic Videos From Keyframes With Concatenated GANs. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2337-2348.	5.6	93
13	Neural Cryptography Based on Complex-Valued Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4999-5004.	7.2	93
14	New Fixed-Time Stability Lemmas and Applications to the Discontinuous Fuzzy Inertial Neural Networks. IEEE Transactions on Fuzzy Systems, 2021, 29, 3711-3722.	6.5	93
15	Passivity analysis of delayed reaction-diffusion memristor-based neural networks. Neural Networks, 2019, 109, 159-167.	3.3	92
16	An Inertial Projection Neural Network for Solving Variational Inequalities. IEEE Transactions on Cybernetics, 2017, 47, 809-814.	6.2	90
17	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.	3.6	90
18	Event-triggered distributed control for synchronization of multiple memristive neural networks under cyber-physical attacks. Information Sciences, 2020, 518, 361-375.	4.0	86

#	ARTICLE	IF	CITATIONS
19	Global exponential synchronization of delayed memristive neural networks with reaction-diffusion terms. <i>Neural Networks</i> , 2020, 123, 70-81.	3.3	85
20	General memristor with applications in multilayer neural networks. <i>Neural Networks</i> , 2018, 103, 142-149.	3.3	83
21	Lagrange Stability for S Fuzzy Memristive Neural Networks with Time-Varying Delays on Time Scales. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 1091-1103.	6.5	80
22	Memristor-Based Echo State Network With Online Least Mean Square. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 49, 1787-1796.	5.9	78
23	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.	5.9	78
24	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.	5.9	76
25	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.	6.2	74
26	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.	6.2	72
27	Stability analysis for discrete-time stochastic memristive neural networks with both leakage and probabilistic delays. <i>Neural Networks</i> , 2018, 102, 1-9.	3.3	70
28	Passivity and Passification of Fuzzy Memristive Inertial Neural Networks on Time Scales. <i>IEEE Transactions on Fuzzy Systems</i> , 2018, 26, 3342-3355.	6.5	69
29	Memristor-Based Design of Sparse Compact Convolutional Neural Network. <i>IEEE Transactions on Network Science and Engineering</i> , 2020, 7, 1431-1440.	4.1	69
30	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.	7.2	68
31	Global exponential stability of inertial memristor-based neural networks with time-varying delays and impulses. <i>Neural Networks</i> , 2017, 95, 102-109.	3.3	67
32	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.	7.2	64
33	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.	7.2	61
34	Containment Control for Multiagent Systems Under Two Intermittent Control Schemes. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 1236-1243.	3.6	60
35	Sliding mode control of neural networks via continuous or periodic sampling event-triggering algorithm. <i>Neural Networks</i> , 2020, 121, 140-147.	3.3	60
36	Memristive LSTM Network for Sentiment Analysis. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019, 1-11.	5.9	59

#	ARTICLE	IF	CITATIONS
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.	3.4	57
38	Exponential stabilization of delayed recurrent neural networks: A state estimation based approach. Neural Networks, 2013, 48, 153-157.	3.3	54
39	Exponential stability of inertial BAM neural networks with time-varying delay via periodically intermittent control. Neural Computing and Applications, 2015, 26, 1781-1787.	3.2	54
40	Passivity and passification of memristive neural networks with leakage term and time-varying delays. Applied Mathematics and Computation, 2019, 361, 294-310.	1.4	52
41	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.	1.9	52
42	Exponential Stabilization of Inertial Memristive Neural Networks With Multiple Time Delays. IEEE Transactions on Cybernetics, 2021, 51, 579-588.	6.2	52
43	Periodicity and stability for variable-time impulsive neural networks. Neural Networks, 2017, 94, 24-33.	3.3	48
44	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.	5.9	47
45	Event-triggered $H^\infty$ state estimation for discrete-time neural networks with mixed time delays and sensor saturations. Neural Computing and Applications, 2017, 28, 3815-3825.	3.2	46
46	Distributed Power Management for Dynamic Economic Dispatch in the Multimicrogrids Environment. IEEE Transactions on Control Systems Technology, 2019, 27, 1651-1658.	3.2	45
47	Adaptive synchronization for fuzzy inertial complex-valued neural networks with state-dependent coefficients and mixed delays. Fuzzy Sets and Systems, 2021, 411, 174-189.	1.6	45
48	Stability of delayed memristive neural networks with time-varying impulses. Cognitive Neurodynamics, 2014, 8, 429-436.	2.3	43
49	Event-Based Time-Interval Pinning Control for Complex Networks on Time Scales and Applications. IEEE Transactions on Industrial Electronics, 2018, 65, 8797-8808.	5.2	40
50	Hybrid impulsive and switching Hopfield neural networks with state-dependent impulses. Neural Networks, 2017, 93, 176-184.	3.3	36
51	New Criteria of Passivity Analysis for Fuzzy Time-Delay Systems With Parameter Uncertainties. IEEE Transactions on Fuzzy Systems, 2015, 23, 2284-2301.	6.5	35
52	Fixed-Time Stability for Discontinuous Uncertain Inertial Neural Networks With Time-Varying Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4507-4517.	5.9	34
53	Collective neurodynamic optimization for economic emission dispatch problem considering valve point effect in microgrid. Neural Networks, 2017, 93, 126-136.	3.3	33
54	Exponential synchronization of memristive neural networks with time-varying delays via quantized sliding-mode control. Neural Networks, 2020, 126, 163-169.	3.3	32

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55	Neural network for solving Nash equilibrium problem in application of multiuser power control. <i>Neural Networks</i> , 2014, 57, 73-78.	3.3	31
56	Quantized synchronization of memristive neural networks with time-varying delays via super-twisting algorithm. <i>Neurocomputing</i> , 2020, 380, 133-140.	3.5	31
57	Impulsive stabilization and synchronization of Hopfield-type neural networks with impulse time window. <i>Neural Computing and Applications</i> , 2017, 28, 775-782.	3.2	29
58	Consensus of multi-agent system with distributed control on time scales. <i>Applied Mathematics and Computation</i> , 2016, 277, 54-71.	1.4	27
59	Output Synchronization of Complex Dynamical Networks With Multiple Output or Output Derivative Couplings. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 927-937.	6.2	26
60	Sandwich control systems with impulse time windows. <i>International Journal of Machine Learning and Cybernetics</i> , 2017, 8, 2009-2015.	2.3	24
61	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.	3.3	24
62	Event-Triggered Stabilization for Takagi-Sugeno Fuzzy Complex-Valued Memristive Neural Networks With Mixed Time-Varying Delays. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 1853-1863.	6.5	24
63	Stabilization of Nonautonomous Recurrent Neural Networks With Bounded and Unbounded Delays on Time Scales. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 4307-4317.	6.2	21
64	Lagrange stability of delayed switched inertial neural networks. <i>Neurocomputing</i> , 2020, 381, 52-60.	3.5	20
65	A recurrent neural network for adaptive beamforming and array correction. <i>Neural Networks</i> , 2016, 80, 110-117.	3.3	19
66	Robust Stability of Inertial BAM Neural Networks with Time Delays and Uncertainties via Impulsive Effect. <i>Neural Processing Letters</i> , 2018, 48, 245-256.	2.0	19
67	Event-triggered impulsive synchronization of discrete-time coupled neural networks with stochastic perturbations and multiple delays. <i>Neural Networks</i> , 2020, 132, 447-460.	3.3	18
68	On Exponential Stability of Delayed Discrete-Time Complex-Valued Inertial Neural Networks. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 3483-3494.	6.2	18
69	Zero-Hopf Bifurcation of a memristive synaptic Hopfield neural network with time delay. <i>Neural Networks</i> , 2022, 149, 146-156.	3.3	18
70	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.	7.2	16
71	Exponential Stabilization of Fuzzy Memristive Neural Networks With Multiple Time Delays Via Intermittent Control. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 3092-3101.	5.9	16
72	Synchronization of Timescale-Type Nonautonomous Neural Networks With Proportional Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 2167-2173.	5.9	15

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73	Quasisynchronization of Discrete-Time Inertial Neural Networks With Parameter Mismatches and Delays. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2290-2295.	6.2	14
74	Stability of delayed inertial neural networks on time scales: A unified matrix-measure approach. <i>Neural Networks</i> , 2020, 130, 33-38.	3.3	13
75	Global exponential synchronization of nonautonomous recurrent neural networks with time delays on time scales. <i>Applied Mathematics and Computation</i> , 2018, 328, 263-275.	1.4	12
76	Passivity analysis of coupled neural networks with reaction-diffusion terms and mixed delays. <i>Journal of the Franklin Institute</i> , 2018, 355, 8915-8933.	1.9	11
77	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> , 2022, 52, 3200-3209.	5.9	11
78	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.	3.2	10
79	Positivity and Stability of Delayed Timescale-Type Differential-Difference Equations. <i>IEEE Transactions on Automatic Control</i> , 2021, 66, 3221-3226.	3.6	10
80	A projection neural network for optimal demand response in smart grid environment. <i>Neural Computing and Applications</i> , 2018, 29, 259-267.	3.2	9
81	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.	2.1	9
82	Complex dynamics of a delayed discrete neural network of two nonidentical neurons. <i>Chaos</i> , 2014, 24, 013108.	1.0	8
83	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
84	A Sparse Multiwavelet-Based Generalized Laguerre-Volterra Model for Identifying Time-Varying Neural Dynamics from Spiking Activities. <i>Entropy</i> , 2017, 19, 425.	1.1	6
85	Stability and Bifurcation Analysis of a Modified Epidemic Model for Computer Viruses. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-14.	0.6	4
86	Internally Positive Representation to Stability of Delayed Timescale-Type Differential- Difference Equation. <i>IEEE Access</i> , 2021, 9, 34660-34666.	2.6	4
87	An event-based interaction method for consensus of multiple complex networks. <i>Journal of the Franklin Institute</i> , 2020, 357, 13766-13784.	1.9	4
88	Observer-based $H_\infty$ 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.	1.3	3
89	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.	1.9	3
90	Neuroadaptive Impulsive Control on Consensus of Uncertain Multiagent Systems Using Continuous and Sampled Information. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, PP, 1-13.	7.2	3

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91	Sandwich control systems. , 2015, , .		2
92	A Discrete-Time Projection Neural Network for Solving Degenerate Convex Quadratic Optimization. Circuits, Systems, and Signal Processing, 2017, 36, 389-403.	1.2	2
93	Global exponential anti-synchronization for delayed memristive neural networks via event-triggering method. Neural Computing and Applications, 2020, 32, 13521-13535.	3.2	2
94	Observer Design for Axial Flow Compressor. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	0
95	Passivity of Inertial Neural Networks with Delays on Time Scales. , 2017, , .		0