Zhigang Zeng

List of Publications by Year
in descending order

421 papers	18,347 citations	8755 75 h-index	23533 111 g-index
421 all docs	421 docs citations	421 times ranked	5992 citing authors

#	Article	IF	Citations
1	Global Mittag-Leffler stability and synchronization of memristor-based fractional-order neural networks. Neural Networks, 2014, 51, 1-8.	5.9	477
2	Synchronization control of a class of memristor-based recurrent neural networks. Information Sciences, 2012, 183, 106-116.	6.9	342
3	Event-Triggering Load Frequency Control for Multiarea Power Systems With Communication Delays. IEEE Transactions on Industrial Electronics, 2016, 63, 1308-1317.	7.9	305
4	Lag Synchronization of Switched Neural Networks via Neural Activation Function and Applications in Image Encryption. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1493-1502.	11.3	274
5	Exponential Stabilization of Memristive Neural Networks With Time Delays. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1919-1929.	11.3	272
6	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.	9.8	253
7	Global exponential stability of a general class of recurrent neural networks with time-varying delays. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 1353-1358.	0.1	249
8	Exponential stability analysis of memristor-based recurrent neural networks with time-varying delays. Neurocomputing, 2012, 97, 233-240.	5.9	220
9	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.	9.3	208
10	Global Mittag–Leffler Stabilization of Fractional-Order Memristive Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 206-217.	11.3	199
11	A short-term power load forecasting model based on the generalized regression neural network with decreasing step fruit fly optimization algorithm. Neurocomputing, 2017, 221, 24-31.	5.9	190
12	Multistability of Recurrent Neural Networks With Time-varying Delays and the Piecewise Linear Activation Function. IEEE Transactions on Neural Networks, 2010, 21, 1371-1377.	4.2	185
13	Hierarchical Type Stability Criteria for Delayed Neural Networks via Canonical Bessel–Legendre Inequalities. IEEE Transactions on Cybernetics, 2018, 48, 1660-1671.	9.5	183
14	Dynamic behaviors of memristor-based recurrent neural networks with time-varying delays. Neural Networks, 2012, 36, 1-10.	5.9	176
15	Global exponential synchronization of memristor-based recurrent neural networks with time-varying delays. Neural Networks, 2013, 48, 195-203.	5.9	175
16	Lagrange Stability of Memristive Neural Networks With Discrete and Distributed Delays. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 690-703.	11.3	175
17	Multiple Mittag–Leffler Stability of Fractional-Order Recurrent Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2279-2288.	9.3	171
18	Synchronization of Switched Neural Networks With Communication Delays via the Event-Triggered Control. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2334-2343.	11.3	167

#	ARTICLE	IF	CITATIONS
19	Circuit design and exponential stabilization of memristive neural networks. Neural Networks, 2015, 63, 48-56.	5.9	166
20	Anti-synchronization control of a class of memristive recurrent neural networks. Communications in Nonlinear Science and Numerical Simulation, 2013, 18, 373-385.	3.3	160
21	Multistability of Neural Networks With Time-Varying Delays and Concave-Convex Characteristics. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 293-305.	11.3	154
22	Improved conditions for global exponential stability of recurrent neural networks with time-varying delays. IEEE Transactions on Neural Networks, 2006, 17, 623-635.	4.2	153
23	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.	9.8	149
24	Design and Analysis of High-Capacity Associative Memories Based on a Class of Discrete-Time Recurrent Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1525-1536.	5.0	147
25	Exponential synchronization of memristor-based recurrent neural networks with time delays. Neurocomputing, 2011, 74, 3043-3050.	5.9	145
26	CLU-CNNs: Object detection for medical images. Neurocomputing, 2019, 350, 53-59.	5.9	135
27	Global Synchronization of Fuzzy Memristive Neural Networks With Discrete and Distributed Delays. IEEE Transactions on Fuzzy Systems, 2020, 28, 2022-2034.	9.8	128
28	A modified Elman neural network with a new learning rate scheme. Neurocomputing, 2018, 286, 11-18.	5.9	124
29	New results on global exponential dissipativity analysis of memristive inertial neural networks with distributed time-varying delays. Neural Networks, 2018, 97, 183-191.	5.9	124
30	Initial offset boosting coexisting attractors in memristive multi-double-scroll Hopfield neural network. Nonlinear Dynamics, 2020, 102, 2821-2841.	5.2	124
31	Multiple neural networks switched prediction for landslide displacement. Engineering Geology, 2015, 186, 91-99.	6.3	122
32	Global asymptotic stability and global exponential stability of neural networks with unbounded time-varying delays. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 168-173.	2.2	116
33	Complete stability of cellular neural networks with time-varying delays. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 944-955.	0.1	114
34	Impulsive Multisynchronization of Coupled Multistable Neural Networks With Time-Varying Delay. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1560-1571.	11.3	111
35	Global exponential stability of recurrent neural networks with time-varying delays in the presence of strong external stimuli. Neural Networks, 2006, 19, 1528-1537.	5.9	109
36	Stability Analysis of Delayed Cellular Neural Networks Described Using Cloning Templates. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 2313-2324.	0.1	108

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37	Multistability of Two Kinds of Recurrent Neural Networks With Activation Functions Symmetrical About the Origin on the Phase Plane. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 1749-1762.	11.3	108
38	Synchronization of memristive neural networks with leakage delay and parameters mismatch via event-triggered control. Neural Networks, 2019, 119, 178-189.	5.9	107
39	Multiperiodicity and Exponential Attractivity Evoked by Periodic External Inputs in Delayed Cellular Neural Networks. Neural Computation, 2006, 18, 848-870.	2.2	104
40	Adaptive synchronization of memristor-based ChuaÊ¼s circuits. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2775-2780.	2.1	103
41	Adjusting Learning Rate of Memristor-Based Multilayer Neural Networks via Fuzzy Method. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2019, 38, 1084-1094.	2.7	102
42	Global Synchronization of Coupled Fractional-Order Recurrent Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2358-2368.	11.3	102
43	Memristor-Based Neural Network Circuit of Full-Function Pavlov Associative Memory With Time Delay and Variable Learning Rate. IEEE Transactions on Cybernetics, 2019, 50, 1-11.	9.5	101
44	Multistability of Recurrent Neural Networks With Nonmonotonic Activation Functions and Mixed Time Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 512-523.	9.3	99
45	Controller design for global fixed-time synchronization of delayed neural networks with discontinuous activations. Neural Networks, 2017, 87, 122-131.	5.9	95
46	Generating Realistic Videos From Keyframes With Concatenated GANs. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 2337-2348.	8.3	93
47	Ensemble of extreme learning machine for landslide displacement prediction based on time series analysis. Neural Computing and Applications, 2014, 24, 99-107.	5.6	92
48	Robust Finite-Time Stabilization of Fractional-Order Neural Networks With Discontinuous and Continuous Activation Functions Under Uncertainty. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1477-1490.	11.3	92
49	Passivity analysis of delayed reactionâ€"diffusion memristor-based neural networks. Neural Networks, 2019, 109, 159-167.	5.9	92
50	Displacement prediction model of landslide based on a modified ensemble empirical mode decomposition and extreme learning machine. Natural Hazards, 2013, 66, 759-771.	3.4	91
51	Mittag-Leffler stability of fractional-order neural networks in the presence of generalized piecewise constant arguments. Neural Networks, 2017, 85, 118-127.	5.9	91
52	Global Asymptotic Stability and Adaptive Ultimate Mittagâ€"Leffler Synchronization for a Fractional-Order Complex-Valued Memristive Neural Networks With Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2519-2535.	9.3	91
53	Event-Based Synchronization Control for Memristive Neural Networks With Time-Varying Delay. IEEE Transactions on Cybernetics, 2019, 49, 3268-3277.	9.5	90
54	Second-Order Consensus for Multiagent Systems via Intermittent Sampled Position Data Control. IEEE Transactions on Cybernetics, 2020, 50, 2063-2072.	9.5	90

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55	Analysis and design of associative memories based on recurrent neural network with discontinuous activation functions. Neurocomputing, 2012, 77, 101-107.	5.9	88
56	Deformation Prediction of Landslide Based on Improved Back-propagation Neural Network. Cognitive Computation, 2013, 5, 56-62.	5.2	88
57	Global exponential stability in Lagrange sense for recurrent neural networks with time delays. Nonlinear Analysis: Real World Applications, 2008, 9, 1535-1557.	1.7	87
58	New approach to global Mittag-Leffler synchronization problem of fractional-order quaternion-valued BAM neural networks based on a new inequality. Neural Networks, 2020, 122, 320-337.	5.9	87
59	Event-triggered distributed control for synchronization of multiple memristive neural networks under cyber-physical attacks. Information Sciences, 2020, 518, 361-375.	6.9	86
60	Pixel-wise regression using U-Net and its application on pansharpening. Neurocomputing, 2018, 312, 364-371.	5.9	85
61	Global exponential synchronization of delayed memristive neural networks with reaction–diffusion terms. Neural Networks, 2020, 123, 70-81.	5.9	85
62	Dynamic behaviors of a class of memristor-based Hopfield networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1661-1665.	2.1	83
63	General memristor with applications in multilayer neural networks. Neural Networks, 2018, 103, 142-149.	5.9	83
64	Synchronization of Reaction–Diffusion Neural Networks With Dirichlet Boundary Conditions and Infinite Delays. IEEE Transactions on Cybernetics, 2017, 47, 3005-3017.	9.5	82
65	Memory pattern analysis of cellular neural networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 342, 114-128.	2.1	81
66	Multiperiodicity of Discrete-Time Delayed Neural Networks Evoked by Periodic External Inputs. IEEE Transactions on Neural Networks, 2006, 17, 1141-1151.	4.2	80
67	Dynamics Analysis of a Class of Memristor-Based Recurrent Networks with Time-Varying Delays in the Presence of Strong External Stimuli. Neural Processing Letters, 2012, 35, 47-59.	3.2	80
68	Passivity analysis of memristor-based recurrent neural networks with time-varying delays. Journal of the Franklin Institute, 2013, 350, 2354-2370.	3.4	80
69	Exponential passivity of memristive neural networks with time delays. Neural Networks, 2014, 49, 11-18.	5.9	80
70	Implementation of Memristive Neural Network With Full-Function Pavlov Associative Memory. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 1454-1463.	5.4	80
71	Lagrange Stability for T–S Fuzzy Memristive Neural Networks with Time-Varying Delays on Time Scales. IEEE Transactions on Fuzzy Systems, 2018, 26, 1091-1103.	9.8	80
72	Asymptotic and Finite-Time Cluster Synchronization of Coupled Fractional-Order Neural Networks With Time Delay. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4956-4967.	11.3	80

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73	Robust stability analysis of interval fuzzy Cohen–Grossberg neural networks with piecewise constant argument of generalized type. Neural Networks, 2012, 33, 32-41.	5.9	78
74	Memristor-Based Echo State Network With Online Least Mean Square. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1787-1796.	9.3	78
75	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.	9.3	78
76	A Disturbance Rejection Framework for Finite-Time and Fixed-Time Stabilization of Delayed Memristive Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 905-915.	9.3	78
77	A novel no-equilibrium HR neuron model with hidden homogeneous extreme multistability. Chaos, Solitons and Fractals, 2021, 145, 110761.	5.1	78
78	Global Mittag–Leffler stabilization of fractional-order bidirectional associative memory neural networks. Neurocomputing, 2016, 177, 489-496.	5.9	76
79	Adaptive Neural-Fuzzy Sliding-Mode Fault-Tolerant Control for Uncertain Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2268-2278.	9.3	76
80	Scale-Limited Lagrange Stability and Finite-Time Synchronization for Memristive Recurrent Neural Networks on Time Scales. IEEE Transactions on Cybernetics, 2017, 47, 2984-2994.	9.5	74
81	Positive invariant and global exponential attractive sets of neural networks with time-varying delays. Neurocomputing, 2008, 71, 513-518.	5.9	72
82	Event-triggered impulsive control on quasi-synchronization of memristive neural networks with time-varying delays. Neural Networks, 2019, 110, 55-65.	5.9	72
83	Lagrange Stability and Finite-Time Stabilization of Fuzzy Memristive Neural Networks With Hybrid Time-Varying Delays. IEEE Transactions on Cybernetics, 2020, 50, 2959-2970.	9.5	72
84	Multi-scroll hidden attractor in memristive HR neuron model under electromagnetic radiation and its applications. Chaos, 2021, 31, 011101.	2.5	71
85	Extreme learning machine for the displacement prediction of landslide under rainfall and reservoir level. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1957-1972.	4.0	70
86	Memristor-based circuit implementation of pulse-coupled neural network with dynamical threshold generators. Neurocomputing, 2018, 284, 10-16.	5.9	70
87	Novel methods to finite-time Mittag-Leffler synchronization problem of fractional-order quaternion-valued neural networks. Information Sciences, 2020, 526, 221-244.	6.9	70
88	Passivity and Passification of Fuzzy Memristive Inertial Neural Networks on Time Scales. IEEE Transactions on Fuzzy Systems, 2018, 26, 3342-3355.	9.8	69
89	Global stabilization analysis of inertial memristive recurrent neural networks with discrete and distributed delays. Neural Networks, 2018, 105, 65-74.	5.9	69
90	Memristor-Based Design of Sparse Compact Convolutional Neural Network. IEEE Transactions on Network Science and Engineering, 2020, 7, 1431-1440.	6.4	69

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91	Associative memories based on continuous-time cellular neural networks designed using space-invariant cloning templates. Neural Networks, 2009, 22, 651-657.	5.9	68
92	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.	11.3	68
93	Exponential Stabilization of Fuzzy Memristive Neural Networks With Hybrid Unbounded Time-Varying Delays. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 739-750.	11.3	67
94	Fuzzy modeling and synchronization of different memristor-based chaotic circuits. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2016-2021.	2.1	66
95	Exponential stability for a class of memristive neural networks with mixed time-varying delays. Applied Mathematics and Computation, 2018, 321, 544-554.	2.2	66
96	Stabilization of Fuzzy Memristive Neural Networks With Mixed Time Delays. IEEE Transactions on Fuzzy Systems, 2018, 26, 2591-2606.	9.8	65
97	Finite-time robust consensus of nonlinear disturbed multiagent systems via two-layer event-triggered control. Information Sciences, 2018, 466, 270-283.	6.9	65
98	Generating Any Number of Initial Offset-Boosted Coexisting Chua's Double-Scroll Attractors via Piecewise-Nonlinear Memristor. IEEE Transactions on Industrial Electronics, 2022, 69, 7202-7212.	7.9	61
99	Analysis and Design of Associative Memories Based on Recurrent Neural Networks with Linear Saturation Activation Functions and Time-Varying Delays. Neural Computation, 2007, 19, 2149-2182.	2.2	60
100	Global exponential stability in Lagrange sense for neutral type recurrent neural networks. Neurocomputing, 2011, 74, 638-645.	5.9	60
101	Containment Control for Multiagent Systems Under Two Intermittent Control Schemes. IEEE Transactions on Automatic Control, 2019, 64, 1236-1243.	5.7	60
102	Sliding mode control of neural networks via continuous or periodic sampling event-triggering algorithm. Neural Networks, 2020, 121, 140-147.	5.9	60
103	Synchronization of Coupled Reaction–Diffusion Neural Networks With Directed Topology via an Adaptive Approach. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 1550-1561.	11.3	59
104	Memristive LSTM Network for Sentiment Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-11.	9.3	59
105	Observer-based control of discrete time-delay systems with random communication packet losses and multiplicative noises. Applied Mathematics and Computation, 2013, 219, 6484-6493.	2.2	58
106	Multistability analysis of a general class of recurrent neural networks with non-monotonic activation functions and time-varying delays. Neural Networks, 2016, 79, 117-127.	5.9	58
107	Multi-Label Image Classification by Feature Attention Network. IEEE Access, 2019, 7, 98005-98013.	4.2	58
108	Sparse fully convolutional network for face labeling. Neurocomputing, 2019, 331, 465-472.	5.9	58

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109	Dynamic behaviors of memristor-based delayed recurrent networks. Neural Computing and Applications, 2013, 23, 815-821.	5.6	57
110	Memristive Fully Convolutional Network: An Accurate Hardware Image-Segmentor in Deep Learning. IEEE Transactions on Emerging Topics in Computational Intelligence, 2018, 2, 324-334.	4.9	57
111	A simple no-equilibrium chaotic system with only one signum function for generating multidirectional variable hidden attractors and its hardware implementation. Chaos, 2020, 30, 053129.	2.5	57
112	Landslide Displacement Prediction With Uncertainty Based on Neural Networks With Random Hidden Weights. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2683-2695.	11.3	54
113	On the periodic dynamics of memristor-based neural networks with time-varying delays. Information Sciences, 2014, 279, 358-373.	6.9	53
114	Constructing prediction intervals for landslide displacement using bootstrapping random vector functional link networks selective ensemble with neural networks switched. Neurocomputing, 2018, 291, 1-10.	5.9	53
115	Stability and Robust Stability of Stochastic Reaction–Diffusion Neural Networks With Infinite Discrete and Distributed Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1721-1732.	9.3	53
116	Controllability of Two-Time-Scale Discrete-Time Multiagent Systems. IEEE Transactions on Cybernetics, 2020, 50, 1440-1449.	9.5	53
117	Passivity and passification of memristive neural networks with leakage term and time-varying delays. Applied Mathematics and Computation, 2019, 361, 294-310.	2.2	52
118	Global exponential stabilization and lag synchronization control of inertial neural networks with time delays. Neural Networks, 2020, 126, 11-20.	5.9	52
119	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.	2.7	52
120	Exponential Stabilization of Inertial Memristive Neural Networks With Multiple Time Delays. IEEE Transactions on Cybernetics, 2021, 51, 579-588.	9.5	52
121	New results on passivity of fractional-order uncertain neural networks. Neurocomputing, 2019, 351, 51-59.	5.9	51
122	New Criteria on Global Stabilization of Delayed Memristive Neural Networks With Inertial Item. IEEE Transactions on Cybernetics, 2020, 50, 2770-2780.	9.5	51
123	Novel results on synchronization for a class of switched inertial neural networks with distributed delays. Information Sciences, 2020, 511, 114-126.	6.9	51
124	A Self-Reproduction Hyperchaotic Map With Compound Lattice Dynamics. IEEE Transactions on Industrial Electronics, 2022, 69, 10564-10572.	7.9	51
125	Sliding-Mode Control of Memristive Chua's Systems via the Event-Based Method. IEEE Transactions on Circuits and Systems II: Express Briefs, 2017, 64, 81-85.	3.0	50
126	Multistability of periodic delayed recurrent neural network with memristors. Neural Computing and Applications, 2013, 23, 1963-1967.	5.6	49

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127	Landslide Deformation Prediction Based on Recurrent Neural Network. Neural Processing Letters, 2015, 41, 169-178.	3.2	49
128	`<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml9" display="inline" overflow="scroll" altimg="si1.gif"><mml:mi>O</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:msup><mml:mrow><mml:mi>t</mml:mi></mml:mrow>` and Mittag-Leffler synchronization for the fractional-order memristive neural networks with delays and discontinuous neuron activations. Neural Networks, 2018, 100, 10-24.	5.9	49
129	Fixed-time synchronization of delayed Cohen–Grossberg neural networks based on a novel sliding mode. Neural Networks, 2020, 128, 1-12.	5.9	49
130	End-to-End Detection-Segmentation System for Face Labeling. IEEE Transactions on Emerging Topics in Computational Intelligence, 2021, 5, 457-467.	4.9	48
131	Synchronization of Multiple Reaction–Diffusion Neural Networks With Heterogeneous and Unbounded Time-Varying Delays. IEEE Transactions on Cybernetics, 2019, 49, 2980-2991.	9.5	46
132	Stability analysis for uncertain switched neural networks with time-varying delay. Neural Networks, 2016, 83, 32-41.	5.9	45
133	A full-function Pavlov associative memory implementation with memristance changing circuit. Neurocomputing, 2018, 272, 513-519.	5.9	45
134	Stabilization of Second-Order Memristive Neural Networks With Mixed Time Delays via Nonreduced Order. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 700-706.	11.3	45
135	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
136	Optimizing Pinning Control of Complex Dynamical Networks Based on Spectral Properties of Grounded Laplacian Matrices. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 786-796.	9.3	45
137	A Unified Framework Design for Finite-Time and Fixed-Time Synchronization of Discontinuous Neural Networks. IEEE Transactions on Cybernetics, 2021, 51, 3004-3016.	9.5	45
138	Fixed-time Synchronization of Coupled Memristive Complex-valued Neural Networks. Chaos, Solitons and Fractals, 2021, 148, 110993.	5.1	45
139	Training enhanced reservoir computing predictor for landslide displacement. Engineering Geology, 2015, 188, 101-109.	6.3	44
140	Finite-time stabilization of memristor-based inertial neural networks with discontinuous activations and distributed delays. Journal of the Franklin Institute, 2019, 356, 3628-3643.	3.4	44
141	Lagrange stability of neural networks with memristive synapses and multiple delays. Information Sciences, 2014, 280, 135-151.	6.9	43
142	Design of memristor-based image convolution calculation in convolutional neural network. Neural Computing and Applications, 2018, 30, 503-508.	5.6	43
143	Synchronization and Consensus in Networks of Linear Fractional-Order Multi-Agent Systems via Sampled-Data Control. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2955-2964.	11.3	43
144	Passivity analysis of memristive neural networks with different memductance functions. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 274-285.	3.3	42

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145	Distributed Adaptive Tracking Synchronization for Coupled Reaction–Diffusion Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 1462-1475.	11.3	42
146	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
147	Almost periodic solutions for a memristor-based neural networks with leakage, time-varying and distributed delays. Neural Networks, 2015, 68, 34-45.	5.9	41
148	Impulsive synchronization of stochastic reaction–diffusion neural networks with mixed time delays. Neural Networks, 2018, 103, 83-93.	5.9	41
149	GST-memristor-based online learning neural networks. Neurocomputing, 2018, 272, 677-682.	5.9	41
150	Semiglobal Observer-Based Non-Negative Edge Consensus of Networked Systems With Actuator Saturation. IEEE Transactions on Cybernetics, 2020, 50, 2827-2836.	9.5	41
151	Synchronization control of stochastic memristor-based neural networks with mixed delays. Neurocomputing, 2015, 156, 121-128.	5.9	40
152	Event-Based Time-Interval Pinning Control for Complex Networks on Time Scales and Applications. IEEE Transactions on Industrial Electronics, 2018, 65, 8797-8808.	7.9	40
153	A Flux-Controlled Logarithmic Memristor Model and Emulator. Circuits, Systems, and Signal Processing, 2019, 38, 1452-1465.	2.0	40
154	Global Stabilization of Fuzzy Memristor-Based Reaction–Diffusion Neural Networks. IEEE Transactions on Cybernetics, 2020, 50, 4658-4669.	9.5	40
155	Complete stability of delayed recurrent neural networks with Gaussian activation functions. Neural Networks, 2017, 85, 21-32.	5.9	39
156	Event-Triggered Synchronization Strategy for Multiple Neural Networks With Time Delay. IEEE Transactions on Cybernetics, 2020, 50, 3271-3280.	9.5	39
157	Prescribed Performance Controller Design for DC Converter System With Constant Power Loads in DC Microgrid. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4339-4348.	9.3	39
158	Consensus of Second-Order Hybrid Multiagent Systems by Event-Triggered Strategy. IEEE Transactions on Cybernetics, 2020, 50, 4648-4657.	9.5	39
159	Output Convergence of Fuzzy Neurodynamic System With Piecewise Constant Argument of Generalized Type and Time-Varying Input. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1689-1702.	9.3	38
160	Global Uniform Asymptotic Fixed Deviation Stability and Stability for Delayed Fractional-order Memristive Neural Networks with Generic Memductance. Neural Networks, 2018, 98, 65-75.	5.9	38
161	Multistability and instability analysis of recurrent neural networks with time-varying delays. Neural Networks, 2018, 97, 116-126.	5.9	36
162	Formation-containment control of multi-robot systems under a stochastic sampling mechanism. Science China Technological Sciences, 2020, 63, 1025-1034.	4.0	36

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163	New Criteria of Passivity Analysis for Fuzzy Time-Delay Systems With Parameter Uncertainties. IEEE Transactions on Fuzzy Systems, 2015, 23, 2284-2301.	9.8	35
164	A novel echo state network for multivariate and nonlinear time series prediction. Applied Soft Computing Journal, 2018, 62, 524-535.	7.2	35
165	Memory analysis for memristors and memristive recurrent neural networks. IEEE/CAA Journal of Automatica Sinica, 2020, 7, 96-105.	13.1	35
166	Landslide displacement interval prediction using lower upper bound estimation method with pre-trained random vector functional link network initialization. Neural Networks, 2020, 130, 286-296.	5.9	35
167	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
168	Global Stability of a General Class of Discrete-Time Recurrent Neural Networks. Neural Processing Letters, 2005, 22, 33-47.	3.2	34
169	Pattern memory analysis based on stability theory of cellular neural networks. Applied Mathematical Modelling, 2008, 32, 112-121.	4.2	34
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