

Jun Wang

List of Publications by Year in descending order

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459
papers

24,717
citations

2970

93
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468
all docs

468
docs citations

468
times ranked

7336
citing authors

#	ARTICLE	IF	CITATIONS
1	Global asymptotic 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, 34-44.	0.1	496
2	A recurrent neural network for solving Sylvester equation with time-varying coefficients. IEEE Transactions on Neural Networks, 2002, 13, 1053-1063.	4.8	454
3	Global asymptotic and robust stability of recurrent neural networks with time delays. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 417-426.	0.1	445
4	Global Stability of Complex-Valued Recurrent Neural Networks With Time-Delays. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 853-865.	7.2	318
5	An Overview of Recent Advances in Coordinated Control of Multiple Autonomous Surface Vehicles. IEEE Transactions on Industrial Informatics, 2021, 17, 732-745.	7.2	306
6	Secure State Estimation and Control of Cyber-Physical Systems: A Survey. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 176-190.	5.9	304
7	Distributed Maneuvering of Autonomous Surface Vehicles Based on Neurodynamic Optimization and Fuzzy Approximation. IEEE Transactions on Control Systems Technology, 2018, 26, 1083-1090.	3.2	291
8	A Second-Order Multi-Agent Network for Bound-Constrained Distributed Optimization. IEEE Transactions on Automatic Control, 2015, 60, 3310-3315.	3.6	288
9	Reliable asynchronous sampled-data filtering of T-S fuzzy uncertain delayed neural networks with stochastic switched topologies. Fuzzy Sets and Systems, 2020, 381, 1-25.	1.6	283
10	Chaotic Time Series Prediction Based on a Novel Robust Echo State Network. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 787-799.	7.2	280
11	Output-Feedback Path-Following Control of Autonomous Underwater Vehicles Based on an Extended State Observer and Projection Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 535-544.	5.9	272
12	A projection neural network and its application to constrained optimization problems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 447-458.	0.1	271
13	Distributed Containment Maneuvering of Multiple Marine Vessels via Neurodynamics-Based Output Feedback. IEEE Transactions on Industrial Electronics, 2017, 64, 3831-3839.	5.2	269
14	Global exponential stability and periodicity of recurrent neural networks with time delays. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2005, 52, 920-931.	0.1	253
15	A General Projection Neural Network for Solving Monotone Variational Inequalities and Related Optimization Problems. IEEE Transactions on Neural Networks, 2004, 15, 318-328.	4.8	251
16	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
17	A Multi-Agent System With a Proportional-Integral Protocol for Distributed Constrained Optimization. IEEE Transactions on Automatic Control, 2017, 62, 3461-3467.	3.6	239
18	Non-fragile memory filtering of T-S fuzzy delayed neural networks based on switched fuzzy sampled-data control. Fuzzy Sets and Systems, 2020, 394, 40-64.	1.6	233

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19	A Simplified Dual Neural Network for Quadratic Programming With Its KWTA Application. IEEE Transactions on Neural Networks, 2006, 17, 1500-1510.	4.8	226
20	A dual neural network for redundancy resolution of kinematically redundant manipulators subject to joint limits and joint velocity limits. IEEE Transactions on Neural Networks, 2003, 14, 658-667.	4.8	225
21	Model Predictive Control of Unknown Nonlinear Dynamical Systems Based on Recurrent Neural Networks. IEEE Transactions on Industrial Electronics, 2012, 59, 3089-3101.	5.2	221
22	A general methodology for designing globally convergent optimization neural networks. IEEE Transactions on Neural Networks, 1998, 9, 1331-1343.	4.8	217
23	A One-Layer Recurrent Neural Network With a Discontinuous Hard-Limiting Activation Function for Quadratic Programming. IEEE Transactions on Neural Networks, 2008, 19, 558-570.	4.8	216
24	Path-Following Control of Autonomous Underwater Vehicles Subject to Velocity and Input Constraints via Neurodynamic Optimization. IEEE Transactions on Industrial Electronics, 2019, 66, 8724-8732.	5.2	215
25	Distributed Optimization Based on a Multiagent System in the Presence of Communication Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 717-728.	5.9	211
26	A One-Layer Projection Neural Network for Nonsmooth Optimization Subject to Linear Equalities and Bound Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 812-824.	7.2	209
27	Solving Pseudomonotone Variational Inequalities and Pseudoconvex Optimization Problems Using the Projection Neural Network. IEEE Transactions on Neural Networks, 2006, 17, 1487-1499.	4.8	207
28	Absolute exponential stability of recurrent neural networks with Lipschitz-continuous activation functions and time delays. Neural Networks, 2004, 17, 379-390.	3.3	202
29	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.	5.9	189
30	A Collective Neurodynamic Approach to Distributed Constrained Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1747-1758.	7.2	187
31	Constrained Control of Autonomous Underwater Vehicles Based on Command Optimization and Disturbance Estimation. IEEE Transactions on Industrial Electronics, 2019, 66, 3627-3635.	5.2	184
32	Global exponential dissipativity and stabilization of memristor-based recurrent neural networks with time-varying delays. Neural Networks, 2013, 48, 158-172.	3.3	183
33	Algebraic criteria for global exponential stability of cellular neural networks with multiple time delays. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 268-275.	0.1	181
34	A dual neural network for kinematic control of redundant robot manipulators. IEEE Transactions on Systems, Man, and Cybernetics, 2001, 31, 147-154.	5.5	179
35	Predictor-Based Neural Dynamic Surface Control for Uncertain Nonlinear Systems in Strict-Feedback Form. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2156-2167.	7.2	176
36	Containment Maneuvering of Marine Surface Vehicles With Multiple Parameterized Paths via Spatial-Temporal Decoupling. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1026-1036.	3.7	175

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37	A Recurrent Neural Network for Solving Nonlinear Convex Programs Subject to Linear Constraints. IEEE Transactions on Neural Networks, 2005, 16, 379-386.	4.8	174
38	Multiple Mittag-Leffler Stability of Fractional-Order Recurrent Neural Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2279-2288.	5.9	171
39	A deterministic annealing neural network for convex programming. Neural Networks, 1994, 7, 629-641.	3.3	166
40	Attractivity Analysis of Memristor-Based Cellular Neural Networks With Time-Varying Delays. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 704-717.	7.2	163
41	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.	5.9	163
42	An Improved Dual Neural Network for Solving a Class of Quadratic Programming Problems and Its -Winners-Take-All Application. IEEE Transactions on Neural Networks, 2008, 19, 2022-2031.	4.8	162
43	A recurrent neural network with exponential convergence for solving convex quadratic program and related linear piecewise equations. Neural Networks, 2004, 17, 1003-1015.	3.3	160
44	Obstacle Avoidance for Kinematically Redundant Manipulators Using a Dual Neural Network. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 752-759.	5.5	160
45	On the Stability of Globally Projected Dynamical Systems. Journal of Optimization Theory and Applications, 2000, 106, 129-150.	0.8	159
46	Synthesis of force-closure grasps on 3-d objects based on the Q distance. IEEE Transactions on Automation Science and Engineering, 2003, 19, 669-679.	2.4	156
47	A recurrent neural network for solving linear projection equations. Neural Networks, 2000, 13, 337-350.	3.3	155
48	Analysis and design of a recurrent neural network for linear programming. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1993, 40, 613-618.	0.1	153
49	Improved conditions for global exponential stability of recurrent neural networks with time-varying delays. IEEE Transactions on Neural Networks, 2006, 17, 623-635.	4.8	153
50	A Novel Recurrent Neural Network for Solving Nonlinear Optimization Problems With Inequality Constraints. IEEE Transactions on Neural Networks, 2008, 19, 1340-1353.	4.8	150
51	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.	5.5	147
52	A Recurrent Neural Network for Nonlinear Convex Optimization Subject to Nonlinear Inequality Constraints. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2004, 51, 1385-1394.	0.1	144
53	Almost Sure Exponential Stability of Recurrent Neural Networks With Markovian Switching. IEEE Transactions on Neural Networks, 2009, 20, 840-855.	4.8	144
54	Model Predictive Control for Tracking of Underactuated Vessels Based on Recurrent Neural Networks. IEEE Journal of Oceanic Engineering, 2012, 37, 717-726.	2.1	143

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55	Admissible Delay Upper Bounds for Global Asymptotic Stability of Neural Networks With Time-Varying Delays. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5319-5329.	7.2	141
56	A dual neural network for bi-criteria kinematic control of redundant manipulators. IEEE Transactions on Automation Science and Engineering, 2002, 18, 923-931.	2.4	139
57	Global uniform asymptotic stability of memristor-based recurrent neural networks with time delays. , 2010, , .		139
58	A Dynamic Feedforward Neural Network Based on Gaussian Particle Swarm Optimization and its Application for Predictive Control. IEEE Transactions on Neural Networks, 2011, 22, 1457-1468.	4.8	139
59	A dual neural network for convex quadratic programming subject to linear equality and inequality constraints. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 298, 271-278.	0.9	138
60	A one-layer recurrent neural network for constrained pseudoconvex optimization and its application for dynamic portfolio optimization. Neural Networks, 2012, 26, 99-109.	3.3	138
61	Event-Triggered Dynamic Surface Control of an Underactuated Autonomous Surface Vehicle for Target Enclosing. IEEE Transactions on Industrial Electronics, 2021, 68, 3402-3412.	5.2	137
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.	7.2	136
63	Passivity of Switched Recurrent Neural Networks With Time-Varying Delays. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 357-366.	7.2	133
64	A recurrent neural network for nonlinear optimization with a continuously differentiable objective function and bound constraints. IEEE Transactions on Neural Networks, 2000, 11, 1251-1262.	4.8	132
65	Global exponential stability and periodic solutions of recurrent neural networks with delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 298, 393-404.	0.9	132
66	Robustness Analysis of Global Exponential Stability of Recurrent Neural Networks in the Presence of Time Delays and Random Disturbances. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 87-96.	7.2	129
67	Stochastic switched sampled-data control for synchronization of delayed chaotic neural networks with packet dropout. Applied Mathematics and Computation, 2018, 335, 211-230.	1.4	123
68	Nonlinear blind source separation using a radial basis function network. IEEE Transactions on Neural Networks, 2001, 12, 124-134.	4.8	122
69	Robust Model Predictive Control of Nonlinear Systems With Unmodeled Dynamics and Bounded Uncertainties Based on Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 457-469.	7.2	121
70	New reliable nonuniform sampling control for uncertain chaotic neural networks under Markov switching topologies. Applied Mathematics and Computation, 2019, 347, 169-193.	1.4	120
71	A recurrent neural network for real-time matrix inversion. Applied Mathematics and Computation, 1993, 55, 89-100.	1.4	119
72	Design of General Projection Neural Networks for Solving Monotone Linear Variational Inequalities and Linear and Quadratic Optimization Problems. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1414-1421.	5.5	119

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73	Global asymptotic stability and global exponential stability of neural networks with unbounded time-varying delays. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2005, 52, 168-173.	2.3	116
74	Complete stability of cellular neural networks with time-varying delays. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2006, 53, 944-955.	0.1	114
75	A One-Layer Recurrent Neural Network for Constrained Nonsmooth Optimization. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2011, 41, 1323-1333.	5.5	114
76	A Collaborative Neurodynamic Approach to Multiple-Objective Distributed Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 981-992.	7.2	114
77	An Improved Algebraic Criterion for Global Exponential Stability of Recurrent Neural Networks With Time-Varying Delays. <i>IEEE Transactions on Neural Networks</i> , 2008, 19, 528-531.	4.8	112
78	Cooperative Dynamic Positioning of Multiple Marine Offshore Vessels: A Modular Design. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016, 21, 1210-1221.	3.7	112
79	Recurrent Neural Networks for Computing Pseudoinverses of Rank-Deficient Matrices. <i>SIAM Journal of Scientific Computing</i> , 1997, 18, 1479-1493.	1.3	111
80	Global exponential stability of recurrent neural networks with time-varying delays in the presence of strong external stimuli. <i>Neural Networks</i> , 2006, 19, 1528-1537.	3.3	109
81	Stability Analysis of Delayed Cellular Neural Networks Described Using Cloning Templates. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2004, 51, 2313-2324.	0.1	108
82	Global dissipativity of continuous-time recurrent neural networks with time delay. <i>Physical Review E</i> , 2003, 68, 016118.	0.8	106
83	Passivity and Passification of Memristor-Based Recurrent Neural Networks With Time-Varying Delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 2099-2109.	7.2	106
84	Multiperiodicity and Exponential Attractivity Evoked by Periodic External Inputs in Delayed Cellular Neural Networks. <i>Neural Computation</i> , 2006, 18, 848-870.	1.3	104
85	Global Synchronization of Coupled Fractional-Order Recurrent Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 2358-2368.	7.2	102
86	Global exponential stability of recurrent neural networks for synthesizing linear feedback control systems via pole assignment. <i>IEEE Transactions on Neural Networks</i> , 2002, 13, 633-644.	4.8	101
87	A collective neurodynamic optimization approach to bound-constrained nonconvex optimization. <i>Neural Networks</i> , 2014, 55, 20-29.	3.3	101
88	A One-Layer Recurrent Neural Network for Pseudoconvex Optimization Subject to Linear Equality Constraints. <i>IEEE Transactions on Neural Networks</i> , 2011, 22, 1892-1900.	4.8	100
89	Single point iterative weighted fuzzy C-means clustering algorithm for remote sensing image segmentation. <i>Pattern Recognition</i> , 2009, 42, 2527-2540.	5.1	99
90	Model Predictive Control of Nonlinear Systems With Unmodeled Dynamics Based on Feedforward and Recurrent Neural Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2012, 8, 746-756.	7.2	99

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91	A Bi-Projection Neural Network for Solving Constrained Quadratic Optimization Problems. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 214-224.	7.2	99
92	-Minimization Algorithms for Sparse Signal Reconstruction Based on a Projection Neural Network. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 698-707.	7.2	99
93	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.	5.9	99
94	A Primal-Dual Neural Network for Online Resolving Constrained Kinematic Redundancy in Robot Motion Control. IEEE Transactions on Systems, Man, and Cybernetics, 2005, 35, 54-64.	5.5	98
95	A Collective Neurodynamic Approach to Constrained Global Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1206-1215.	7.2	98
96	A support vector machine with a hybrid kernel and minimal vavnik-chervonenkis dimension. IEEE Transactions on Knowledge and Data Engineering, 2004, 16, 385-395.	4.0	97
97	Finite-Time Convergent Recurrent Neural Network With a Hard-Limiting Activation Function for Constrained Optimization With Piecewise-Linear Objective Functions. IEEE Transactions on Neural Networks, 2011, 22, 601-613.	4.8	96
98	A dual neural network for constrained joint torque optimization of kinematically redundant manipulators. IEEE Transactions on Systems, Man, and Cybernetics, 2002, 32, 654-662.	5.5	93
99	Output-Feedback Flocking Control of Multiple Autonomous Surface Vehicles Based on Data-Driven Adaptive Extended State Observers. IEEE Transactions on Cybernetics, 2021, 51, 4611-4622.	6.2	93
100	Real-time tool condition monitoring using wavelet transforms and fuzzy techniques. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2000, 30, 352-357.	3.3	91
101	A One-Layer Recurrent Neural Network for Support Vector Machine Learning. IEEE Transactions on Systems, Man, and Cybernetics, 2004, 34, 1261-1269.	5.5	90
102	Global asymptotic stability and global exponential stability of delayed cellular neural networks. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 403-409.	2.3	90
103	A Lagrangian network for kinematic control of redundant robot manipulators. IEEE Transactions on Neural Networks, 1999, 10, 1123-1132.	4.8	89
104	Recurrent neural networks for nonlinear output regulation. Automatica, 2001, 37, 1161-1173.	3.0	88
105	A collaborative neurodynamic approach to global and combinatorial optimization. Neural Networks, 2019, 114, 15-27.	3.3	86
106	A Collaborative Neurodynamic Approach to Multiobjective Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5738-5748.	7.2	83
107	A Complex-Valued Projection Neural Network for Constrained Optimization of Real Functions in Complex Variables. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 3227-3238.	7.2	82
108	Multiperiodicity of Discrete-Time Delayed Neural Networks Evoked by Periodic External Inputs. IEEE Transactions on Neural Networks, 2006, 17, 1141-1151.	4.8	80

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109	Noise-Induced Stabilization of the Recurrent Neural Networks With Mixed Time-Varying Delays and Markovian-Switching Parameters. IEEE Transactions on Neural Networks, 2007, 18, 1857-1862.	4.8	80
110	Analysis and Design of a k -Winners-Take-All Model With a Single State Variable and the Heaviside Step Activation Function. IEEE Transactions on Neural Networks, 2010, 21, 1496-1506.	4.8	80
111	A one-layer recurrent neural network for constrained nonconvex optimization. Neural Networks, 2015, 61, 10-21.	3.3	80
112	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.	7.2	80
113	A Two-Timescale Duplex Neurodynamic Approach to Mixed-Integer Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 36-48.	7.2	80
114	A feedforward neural network for multiple criteria decision making. Computers and Operations Research, 1992, 19, 151-167.	2.4	79
115	A One-Layer Recurrent Neural Network with a Discontinuous Activation Function for Linear Programming. Neural Computation, 2008, 20, 1366-1383.	1.3	79
116	A Projection Neural Network for Constrained Quadratic Minimax Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 2891-2900.	7.2	79
117	Minimax and Biobjective Portfolio Selection Based on Collaborative Neurodynamic Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2825-2836.	7.2	79
118	Global stability of a class of continuous-time recurrent neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1334-1347.	0.1	77
119	Electronic realisation of recurrent neural network for solving simultaneous linear equations. Electronics Letters, 1992, 28, 493.	0.5	75
120	A recurrent neural network for minimum infinity-norm kinematic control of redundant manipulators with an improved problem formulation and reduced architecture complexity. IEEE Transactions on Systems, Man, and Cybernetics, 2001, 31, 98-105.	5.5	72
121	Grasping-Force Optimization for Multifingered Robotic Hands Using a Recurrent Neural Network. IEEE Transactions on Automation Science and Engineering, 2004, 20, 549-554.	2.4	70
122	A Two-Timescale Duplex Neurodynamic Approach to Biconvex Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2503-2514.	7.2	70
123	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.	7.2	69
124	Associative memories based on continuous-time cellular neural networks designed using space-invariant cloning templates. Neural Networks, 2009, 22, 651-657.	3.3	68
125	A Recurrent Neural Network for Solving a Class of General Variational Inequalities. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 528-539.	5.5	67
126	Global exponential periodicity and stability of discrete-time complex-valued recurrent neural networks with time-delays. Neural Networks, 2015, 66, 119-130.	3.3	67

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127	A Neurodynamic Optimization Approach to Bilevel Quadratic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2580-2591.	7.2	66
128	Absolute exponential stability of a class of continuous-time recurrent neural networks. IEEE Transactions on Neural Networks, 2003, 14, 35-45.	4.8	64
129	Delay-dependent robust stability of uncertain nonlinear systems with time delay. Applied Mathematics and Computation, 2004, 154, 289-297.	1.4	64
130	Global exponential stability of recurrent neural networks for solving optimization and related problems. IEEE Transactions on Neural Networks, 2000, 11, 1017-1022.	4.8	63
131	Robust Pole Assignment for Synthesizing Feedback Control Systems Using Recurrent Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 383-393.	7.2	63
132	Primal and dual assignment networks. IEEE Transactions on Neural Networks, 1997, 8, 784-790.	4.8	62
133	Absolute exponential stability of neural networks with a general class of activation functions. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 1258-1263.	0.1	62
134	A recurrent neural network for solving a class of generalized convex optimization problems. Neural Networks, 2013, 44, 78-86.	3.3	62
135	Recurrent neural networks for solving linear matrix equations. Computers and Mathematics With Applications, 1993, 26, 23-34.	1.4	61
136	Recurrent neural networks for minimum infinity-norm kinematic control of redundant manipulators. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1999, 29, 269-276.	3.4	61
137	Sequential blind extraction of instantaneously mixed sources. IEEE Transactions on Signal Processing, 2002, 50, 997-1006.	3.2	61
138	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.	7.2	61
139	Advances in Line-of-Sight Guidance for Path Following of Autonomous Marine Vehicles: An Overview. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 12-28.	5.9	61
140	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.	1.3	60
141	Stability analysis of delayed neural networks via a new integral inequality. Neural Networks, 2017, 88, 49-57.	3.3	60
142	Global asymptotic stability and global exponential stability of continuous-time recurrent neural networks. IEEE Transactions on Automatic Control, 2002, 47, 802-807.	3.6	58
143	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.	3.3	58
144	Global robust stability of a class of discrete-time interval neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 129-138.	0.1	57

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145	Global synchronization of memristive neural networks subject to random disturbances via distributed pinning control. <i>Neural Networks</i> , 2016, 84, 67-79.	3.3	57
146	Data-Driven Adaptive Disturbance Observers for Model-Free Trajectory Tracking Control of Maritime Autonomous Surface Ships. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 5584-5594.	7.2	56
147	Cooperative and Competitive Multiagent Systems for Distributed Minimax Optimization Subject to Bounded Constraints. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 1358-1372.	3.6	55
148	A one-layer recurrent neural network for constrained nonsmooth convex optimization. <i>Neural Networks</i> , 2014, 50, 79-89.	3.3	54
149	Tube-Based Robust Model Predictive Control of Nonlinear Systems via Collective Neurodynamic Optimization. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 4377-4386.	5.2	53
150	Cardinality-constrained portfolio selection based on collaborative neurodynamic optimization. <i>Neural Networks</i> , 2022, 145, 68-79.	3.3	53
151	Disturbance observers and extended state observers for marine vehicles: A survey. <i>Control Engineering Practice</i> , 2022, 123, 105158.	3.2	52
152	Recurrent neural networks for solving linear inequalities and equations. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 1999, 46, 452-462.	0.1	51
153	A Collective Neurodynamic Optimization Approach to Nonnegative Matrix Factorization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 2344-2356.	7.2	50
154	Analysis and design of an analog sorting network. <i>IEEE Transactions on Neural Networks</i> , 1995, 6, 962-971.	4.8	49
155	Global exponential periodicity and global exponential stability of a class of recurrent neural networks with various activation functions and time-varying delays. <i>Neural Networks</i> , 2007, 20, 1067-1080.	3.3	49
156	Global Exponential Synchronization of Coupled Delayed Memristive Neural Networks With Reaction and Diffusion Terms via Distributed Pinning Controls. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 105-116.	7.2	49
157	Two k-winners-take-all networks with discontinuous activation functions. <i>Neural Networks</i> , 2008, 21, 406-413.	3.3	48
158	A Two-Time-Scale Neurodynamic Approach to Constrained Minimax Optimization. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 620-629.	7.2	48
159	A nonnegative matrix factorization algorithm based on a discrete-time projection neural network. <i>Neural Networks</i> , 2018, 103, 63-71.	3.3	48
160	Nonlinear blind source separation using higher order statistics and a genetic algorithm. <i>IEEE Transactions on Evolutionary Computation</i> , 2001, 5, 600-612.	7.5	47
161	An additive diagonal-stability condition for absolute exponential stability of a general class of neural networks. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2001, 48, 1308-1317.	0.1	47
162	Global stability of a class of discrete-time recurrent neural networks. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2002, 49, 1104-1117.	0.1	47

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163	An LMI approach to global asymptotic stability of the delayed Cohenâ€“Grossberg neural network via nonsmooth analysis. <i>Neural Networks</i> , 2007, 20, 810-818.	3.3	47
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