Long Jin

List of Publications by Year
in descending order

155 papers	6,369 citations	66315 42 h-index	74108 75 g-index
160 all docs	160 docs citations	160 times ranked	1563 citing authors

#	Article	IF	Citations
1	Activated Gradients for Deep Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 2156-2168.	7.2	94
2	Gradient-Based Differential Neural-Solution to Time-Dependent Nonlinear Optimization. IEEE Transactions on Automatic Control, 2023, 68, 620-627.	3.6	61
3	Growing Echo State Network With an Inverse-Free Weight Update Strategy. IEEE Transactions on Cybernetics, 2023, 53, 753-764.	6.2	10
4	Modeling and Analysis of Competitive Behavior in Social Systems. IEEE Transactions on Computational Social Systems, 2023, 10, 1347-1355.	3.2	2
5	RNN-Based Quadratic Programming Scheme for Tennis-Training Robots With Flexible Capabilities. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 838-847.	5.9	7
6	Kinematics-Based Motion-Force Control for Redundant Manipulators With Quaternion Control. IEEE Transactions on Automation Science and Engineering, 2023, 20, 1815-1828.	3.4	5
7	Momentum-Incorporated Symmetric Non-Negative Latent Factor Models. IEEE Transactions on Big Data, 2022, 8, 1096-1106.	4.4	8
8	Novel Discrete-Time Recurrent Neural Networks Handling Discrete-Form Time-Variant Multi-Augmented Sylvester Matrix Problems and Manipulator Application. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 587-599.	7.2	42
9	RNN for Repetitive Motion Generation of Redundant Robot Manipulators: An Orthogonal Projection-Based Scheme. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 615-628.	7.2	64
10	Distributed Cooperative Kinematic Control of Multiple Robotic Manipulators With an Improved Communication Efficiency. IEEE/ASME Transactions on Mechatronics, 2022, 27, 149-158.	3.7	31
11	Modified Newton Integration Algorithm With Noise Tolerance Applied to Robotics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2134-2144.	5.9	10
12	RNN for Receding Horizon Control of Redundant Robot Manipulators. IEEE Transactions on Industrial Electronics, 2022, 69, 1608-1619.	5.2	20
13	On the Performance of 3-D Spatial Modulation Over Measured Indoor Channels. IEEE Transactions on Vehicular Technology, 2022, 71, 2110-2115.	3.9	6
14	Recurrent Neural Dynamics Models for Perturbed Nonstationary Quadratic Programs: A Control-Theoretical Perspective. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1216-1227.	7.2	21
15	Symmetric Nonnegative Matrix Factorization-Based Community Detection Models and Their Convergence Analysis. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1203-1215.	7.2	83
16	Discrete-time noise-tolerant Z-type model for online solving nonlinear time-varying equations in the presence of noises. Journal of Computational and Applied Mathematics, 2022, 403, 113824.	1.1	4
17	Robust k-WTA Network Generation, Analysis, and Applications to Multiagent Coordination. IEEE Transactions on Cybernetics, 2022, 52, 8515-8527.	6.2	18
18	Neural Dynamics for Computing Perturbed Nonlinear Equations Applied to ACP-Based Lower Limb Motion Intention Recognition. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5105-5113.	5.9	31

#	Article	IF	Citations
19	Distributed Competition of Multi-Robot Coordination Under Variable and Switching Topologies. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3575-3586.	3.4	17
20	A Generalized Complex-Valued Constrained Energy Minimization Scheme for the Arctic Sea Ice Extraction Aided With Neural Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	1
21	An Acceleration-Level Data-Driven Repetitive Motion Planning Scheme for Kinematic Control of Robots With Unknown Structure. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5679-5691.	5.9	23
22	Data-Driven Motion-Force Control Scheme for Redundant Manipulators: A Kinematic Perspective. IEEE Transactions on Industrial Informatics, 2022, 18, 5338-5347.	7.2	24
23	An advanced form-finding of tensegrity structures aided with noise-tolerant zeroing neural network. Neural Computing and Applications, 2022, 34, 6053-6066.	3.2	5
24	Convergence and robustness of bounded recurrent neural networks for solving dynamic Lyapunov equations. Information Sciences, 2022, 588, 106-123.	4.0	23
25	Noise-suppressing zeroing neural network for online solving time-varying matrix square roots problems: A control-theoretic approach. Expert Systems With Applications, 2022, 192, 116272.	4.4	38
26	Noise-Suppressing Neural Dynamics for Time-Dependent Constrained Nonlinear Optimization With Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 6139-6150.	5.9	21
27	Large-scale underwater fish recognition via deep adversarial learning. Knowledge and Information Systems, 2022, 64, 353-379.	2.1	12
28	An improved DV-Hop algorithm for wireless sensor networks based on neural dynamics. Neurocomputing, 2022, 491, 172-185.	3.5	16
29	A Simultaneous Learning and Control Scheme for Redundant Manipulators With Physical Constraints on Decision Variable and Its Derivative. IEEE Transactions on Industrial Electronics, 2022, 69, 10301-10310.	5.2	9
30	Modeling and Analysis of Matthew Effect Under Switching Social Networks via Distributed Competition. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1311-1314.	8.5	7
31	Neural Dynamics for Distributed Collaborative Control of Manipulators With Time Delays. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 854-863.	8.5	30
32	ROFC-LF: Recursive Online Fountain Code With Limited Feedback for Underwater Acoustic Networks. IEEE Transactions on Communications, 2022, 70, 4327-4342.	4.9	6
33	A Noise-Enduring and Finite-Time Zeroing Neural Network for Equality-Constrained Time-Varying Nonlinear Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4729-4740.	5.9	31
34	New Joint-Drift-Free Scheme Aided with Projected ZNN for Motion Generation of Redundant Robot Manipulators Perturbed by Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5639-5651.	5.9	33
35	A Data-Driven Cyclic-Motion Generation Scheme for Kinematic Control of Redundant Manipulators. IEEE Transactions on Control Systems Technology, 2021, 29, 53-63.	3.2	69
36	Modified Newton Integration Neural Algorithm for Dynamic Complex-Valued Matrix Pseudoinversion Applied to Mobile Object Localization. IEEE Transactions on Industrial Informatics, 2021, 17, 2432-2442.	7.2	21

#	Article	IF	Citations
37	New Noise-Tolerant Neural Algorithms for Future Dynamic Nonlinear Optimization With Estimation on Hessian Matrix Inversion. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2611-2623.	5.9	80
38	A noise-suppressing Newton-Raphson iteration algorithm for solving the time-varying Lyapunov equation and robotic tracking problems. Information Sciences, 2021, 550, 239-251.	4.0	17
39	Perturbed Manipulability Optimization in a Distributed Network of Redundant Robots. IEEE Transactions on Industrial Electronics, 2021, 68, 7209-7220.	5.2	35
40	Saturation-Allowed Neural Dynamics Applied to Perturbed Time-Dependent System of Linear Equations and Robots. IEEE Transactions on Industrial Electronics, 2021, 68, 9844-9854.	5.2	39
41	Modified Newton integration algorithm with noise suppression for online dynamic nonlinear optimization. Numerical Algorithms, 2021, 87, 575-599.	1.1	6
42	A Strictly Predefined-Time Convergent Neural Solution to Equality- and Inequality-Constrained Time-Variant Quadratic Programming. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4028-4039.	5.9	56
43	Noise-tolerant neural algorithm for online solving Yang-Baxter-type matrix equation in the presence of noises: A control-based method. Neurocomputing, 2021, 424, 84-96.	3.5	7
44	Noise-rejection zeroing dynamics for control of industrial agitator tank. Nonlinear Dynamics, 2021, 103, 2581-2603.	2.7	2
45	Design and analysis of recurrent neural network models with nonâ€linear activation functions for solving timeâ€varying quadratic programming problems. CAAI Transactions on Intelligence Technology, 2021, 6, 394-404.	3.4	25
46	Discriminative feature learning for underwater fish recognition. Journal of Electronic Imaging, 2021, 30, .	0.5	0
47	A novel method based on long short term memory network and discrete-time zeroing neural algorithm for upper-limb continuous estimation using sEMG signals. Biomedical Signal Processing and Control, 2021, 67, 102416.	3.5	17
48	An attempt of applying the Lagrange-type 1-step-ahead numerical differentiation method to optimize the SGD algorithm in deep learning. , 2021, , .		0
49	Design and Implementation of A Novel Quadruped Robot. , 2021, , .		0
50	A novel adaptive iterative learning control approach and human-in-the-loop control pattern for lower limb rehabilitation robot in disturbances environment. Autonomous Robots, 2021, 45, 595-610.	3.2	19
51	Form-finding of Tensegrity Structures Utilizing a Nonlinear Fletcher-Reeves Conjugate Gradient Method. , 2021, , .		3
52	Five-step discrete-time noise-tolerant zeroing neural network model for time-varying matrix inversion with application to manipulator motion generation. Engineering Applications of Artificial Intelligence, 2021, 103, 104306.	4.3	24
53	Noise-tolerant gradient-oriented neurodynamic model for solving the Sylvester equation. Applied Soft Computing Journal, 2021, 109, 107514.	4.1	1
54	From WASD to BLS with application to pattern classification. Applied Soft Computing Journal, 2021, 108, 107455.	4.1	10

#	Article	IF	Citations
55	Discrete-time zeroing neural network of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.svg"><mml:mrow><mml:mi>O</mml:mi><mml:mo>(</mml:mo><mml:msup><mml:mi>ï„</mml:mi><mml:mn>4</mml:mn></mml:msup></mml:mrow></mml:math> for online solving time-varying nonlinear optimization problem: Application to manipulator motion generation. Journal of the Franklin Institute, 2021, 358, 7203-7229.	3.7	24
56	Accelerated convergent zeroing neurodynamics models for solving multi-linear systems with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si19.svg"><mml:mrow><mml:mi mathvariant="script">M</mml:mi></mml:mrow></mml:math>-tensors. Neurocomputing, 2021, 458, 271-283.	3.5	5
57	Multi-robot competitive tracking based on k-WTA neural network with one single neuron. Neurocomputing, 2021, 460, 1-8.	3.5	9
58	Reformative Noise-Immune Neural Network for Equality-Constrained Optimization Applied to Image Target Detection. IEEE Transactions on Emerging Topics in Computing, 2021, , 1-1.	3.2	18
59	Co-Design of Finite-Time Convergence and Noise Suppression: A Unified Neural Model for Time Varying Linear Equations With Robotic Applications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5233-5243.	5.9	49
60	RNN for Solving Time-Variant Generalized Sylvester Equation With Applications to Robots and Acoustic Source Localization. IEEE Transactions on Industrial Informatics, 2020, 16, 6359-6369.	7.2	118
61	Modified gradient neural networks for solving the time-varying Sylvester equation with adaptive coefficients and elimination of matrix inversion. Neurocomputing, 2020, 379, 1-11.	3.5	39
62	Noise-suppressing zeroing neural network for online solving time-varying nonlinear optimization problem: a control-based approach. Neural Computing and Applications, 2020, 32, 11505-11520.	3.2	40
63	Noise-tolerant Z-type neural dynamics for online solving time-varying inverse square root problems: A control-based approach. Neurocomputing, 2020, 382, 233-248.	3.5	10
64	Complex-Valued Discrete-Time Neural Dynamics for Perturbed Time-Dependent Complex Quadratic Programming With Applications. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3555-3569.	7.2	72
65	The Design and Physical Implementation of Seeding Robots in Deserts. , 2020, , .		2
66	Novel Joint-Drift-Free Scheme at Acceleration Level for Robotic Redundancy Resolution with Tracking Error Theoretically Eliminated. IEEE/ASME Transactions on Mechatronics, 2020, , 1-1.	3.7	37
67	Brain Tumor Image Classification by Randomly Wired Neural Networks with a Modified Method. , 2020, , .		2
68	Proposing, developing and verification of a novel discrete-time zeroing neural network for solving future augmented Sylvester matrix equation. Journal of the Franklin Institute, 2020, 357, 3636-3655.	1.9	24
69	Two neural dynamics approaches for computing system of time-varying nonlinear equations. Neurocomputing, 2020, 394, 84-94.	3.5	22
70	Recurrent Neural Network for State Adjustment of Redundant Manipulators. IEEE Access, 2020, 8, 109783-109790.	2.6	3
71	Noise-tolerant neural algorithm for online solving time-varying full-rank matrix Mooreâ€“Penrose inverse problems: A control-theoretic approach. Neurocomputing, 2020, 413, 158-172.	3.5	14
72	Discrete Computational Neural Dynamics Models for Solving Time-Dependent Sylvester Equation With Applications to Robotics and MIMO Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 6231-6241.	7.2	48

#	Article	IF	Citations
73	Two DTZNN Models of O(Ï„,⁴) Pattern for Online Solving Dynamic System of Linear Equations: Application to Manipulator Motion Generation. IEEE Access, 2020, 8, 36624-36638.	2.6	13
74	RNN for Perturbed Manipulability Optimization of Manipulators Based on a Distributed Scheme: A Game-Theoretic Perspective. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 5116-5126.	7.2	63
75	A parallel computing method based on zeroing neural networks for time-varying complex-valued matrix Moore-Penrose inversion. Information Sciences, 2020, 524, 216-228.	4.0	33
76	Convolutional Neural Network Based on Complex Networks for Brain Tumor Image Classification With a Modified Activation Function. IEEE Access, 2020, 8, 89281-89290.	2.6	72
77	A Gradient-Based Recurrent Neural Network for Visual Servoing of Robot Manipulators with Acceleration Command. Complexity, 2020, 2020, 1-11.	0.9	6
78	On Position and Attitude Control of Flapping Wing Micro-aerial Vehicle. Lecture Notes in Computer Science, 2020, , 207-216.	1.0	1
79	Recurrent Neural Network for Kinematic Control of Redundant Robot Manipulators. , 2020, , .		1
80	Variable Step-Size Newton-Raphson Iterative Algorithm for Solving Multi-linear Systems with $mathcal{M}$ -tensors. , 2020, , .		0
81	A Recommender Algorithm: Gradient Recurrent Neural Network Applied to Yang-Baxter-Like Equation. , 2020, , .		0
82	Power-sum Activated Neural Dynamics for Lower Limb Motion Intention Recognition. , 2020, , .		0
83	Neural Dynamics for Control of Industrial Agitator Tank With Rapid Convergence and Perturbations Rejection. IEEE Access, 2019, 7, 102941-102950.	2.6	8
84	Modified Weights-and-Structure-Determination Neural Network for Pattern Classification of Flatfoot. IEEE Access, 2019, 7, 63146-63154.	2.6	15
85	A New Type of Neural Network for Assisting Diagnosis of Flatfoot in Juveniles. , 2019, , .		1
86	Different modified zeroing neural dynamics with inherent tolerance to noises for time-varying reciprocal problems: A control-theoretic approach. Neurocomputing, 2019, 337, 165-179.	3.5	36
87	RNN for Solving Perturbed Time-Varying Underdetermined Linear System With Double Bound Limits on Residual Errors and State Variables. IEEE Transactions on Industrial Informatics, 2019, 15, 5931-5942.	7.2	127
88	Modified single-output Chebyshev-polynomial feedforward neural network aided with subset method for classification of breast cancer. Neurocomputing, 2019, 350, 128-135.	3.5	12
89	Adaptive Zeroing-Gradient Controller for Ship Course Tracking With Near Singularity Considered and Zero Theoretical Tracking Error. IEEE Access, 2019, 7, 38205-38212.	2.6	7
90	Weight and Structure Determination Neural Network Aided With Double Pseudoinversion for Diagnosis of Flat Foot. IEEE Access, 2019, 7, 33001-33008.	2.6	28

#	Article	IF	Citations
91	New Zeroing Neural Network Models for Solving Nonstationary Sylvester Equation With Verifications on Mobile Manipulators. IEEE Transactions on Industrial Informatics, 2019, 15, 5011-5022.	7.2	45
92	On Generalized RMP Scheme for Redundant Robot Manipulators Aided With Dynamic Neural Networks and Nonconvex Bound Constraints. IEEE Transactions on Industrial Informatics, 2019, 15, 5172-5181.	7.2	99
93	On RNN Models for Solving Dynamic System of Linear Equations. , 2019, , .		0
94	Diversity Analysis for Spatial Scattering Modulation in Millimeter Wave MIMO System. , 2019, , .		8
95	A Controller of Liquid Material on Fast Saturated Zeroing Dynamics Model in Industrial Agitator Tank. , 2019, , .		0
96	A Novel Estimation Approach of sEMG-based Joint Movements via RBF Neural Network. , 2019, , .		9
97	New Integration-Enhanced Newton Algorithm for Real-Time Tracking Control of Robot Manipulators. , 2019, , .		0
98	Triple Generalized-Inverse Neural Network for Diagnosis of Flat Foot. , 2019, , .		1
99	Zeroing-Type Recurrent Neural Network for Solving Time-Dependent Lyapunov Equation with Noise Rejection. , 2019, , .		1
100	On Modified Multi-Output Chebyshev-Polynomial Feed-Forward Neural Network for Pattern Classification of Wine Regions. IEEE Access, 2019, 7, 1973-1980.	2.6	23
101	Nonlinear gradient neural network for solving system of linear equations. Information Processing Letters, 2019, 142, 35-40.	0.4	52
102	Dynamic task allocation in multi-robot coordination for moving target tracking: A distributed approach. Automatica, 2019, 100, 75-81.	3.0	107
103	A survey on projection neural networks and their applications. Applied Soft Computing Journal, 2019, 76, 533-544.	4.1	40
104	A Noise-Suppressing Neural Algorithm for Solving the Time-Varying System of Linear Equations: A Control-Based Approach. IEEE Transactions on Industrial Informatics, 2019, 15, 236-246.	7.2	129
105	A Varying-Parameter Convergent-Differential Neural Network for Solving Joint-Angular-Drift Problems of Redundant Robot Manipulators. IEEE/ASME Transactions on Mechatronics, 2018, 23, 679-689.	3.7	96
106	Dynamic neural networks aided distributed cooperative control of manipulators capable of different performance indices. Neurocomputing, 2018, 291, 50-58.	3.5	41
107	Robot manipulator control using neural networks: A survey. Neurocomputing, 2018, 285, 23-34.	3.5	228
108	Neural Dynamics for Cooperative Control of Redundant Robot Manipulators. IEEE Transactions on Industrial Informatics, 2018, 14, 3812-3821.	7.2	151

#	Article	IF	Citations
109	Neural network-based discrete-time Z-type model of high accuracy in noisy environments for solving dynamic system of linear equations. Neural Computing and Applications, 2018, 29, 1217-1232.	3.2	53
110	Distributed Task Allocation of Multiple Robots: A Control Perspective. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 693-701.	5.9	181
111	Design and Analysis of FTZNN Applied to the Real-Time Solution of a Nonstationary Lyapunov Equation and Tracking Control of a Wheeled Mobile Manipulator. IEEE Transactions on Industrial Informatics, 2018, 14, 98-105.	7.2	209
112	RNN Models for Dynamic Matrix Inversion: A Control-Theoretical Perspective. IEEE Transactions on Industrial Informatics, 2018, 14, 189-199.	7.2	173
113	Cooperative Motion Generation in a Distributed Network of Redundant Robot Manipulators With Noises. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1715-1724.	5.9	138
114	Nonconvex projection activated zeroing neurodynamic models for time-varying matrix pseudoinversion with accelerated finite-time convergence. Applied Soft Computing Journal, 2018, 62, 840-850.	4.1	59
115	Nonlinear Functions Activated Noise-Tolerant Zeroing Neural Network for Solving Time-Varying System of Linear Equations. , 2018, , .		2
116	Nonlinearity Activated Noise-Tolerant Zeroing Neural Network for Real-Time Varying Matrix Inversion. , 2018, , .		5
117	Intelligent Controllers for Multirobot Competitive and Dynamic Tracking. Complexity, 2018, 2018, 1-12.	0.9	6
118	Forecasting of Chinese Hydropower Generation Using WASD-Neuronet. International Journal of Robotics and Control, 2018, 1, 48.	0.5	0
119	Competition Aided with Continuous-Time Nonlinear Model. SpringerBriefs in Applied Sciences and Technology, 2018, , 13-23.	0.2	0
120	Distributed Competition in Dynamic Networks. SpringerBriefs in Applied Sciences and Technology, 2018, , 81-102.	0.2	0
121	Competition-Based Distributed Coordination Control of Robots. SpringerBriefs in Applied Sciences and Technology, 2018, , 103-121.	0.2	0
122	Competition Based on Selective Positive-Negative Feedback. SpringerBriefs in Applied Sciences and Technology, 2018, , 57-79.	0.2	0
123	Competition Aided with Discrete-Time Dynamic Feedback. SpringerBriefs in Applied Sciences and Technology, 2018, , 1-12.	0.2	0
124	Competition Aided with Finite-Time Neural Network. SpringerBriefs in Applied Sciences and Technology, 2018, , 25-55.	0.2	0
125	Noise-Tolerant ZNN Models for Solving Time-Varying Zero-Finding Problems: A Control-Theoretic Approach. IEEE Transactions on Automatic Control, 2017, 62, 992-997.	3.6	166
126	Manipulability Optimization of Redundant Manipulators Using Dynamic Neural Networks. IEEE Transactions on Industrial Electronics, 2017, 64, 4710-4720.	5.2	286

#	Article	IF	Citations
127	Simultaneous learning and control of parallel Stewart platforms with unknown parameters. Neurocomputing, 2017, 266, 114-122.	3.5	33
128	Nonconvex function activated zeroing neural network models for dynamic quadratic programming subject to equality and inequality constraints. Neurocomputing, 2017, 267, 107-113.	3.5	78
129	Nonlinearly-activated noise-tolerant zeroing neural network for distributed motion planning of multiple robot arms. , 2017, , .		2
130	Zeroing neural networks: A survey. Neurocomputing, 2017, 267, 597-604.	3.5	150
131	Kinematic Control of Redundant Manipulators Using Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2243-2254.	7.2	238
132	Further Investigations on Noise-Tolerant Zeroing Neural Network for Time-Varying Quadratic Programming with Robotic Applications. , 2017, , .		2
133	A Velocity-Level Bi-Criteria Optimization Scheme for Coordinated Path Tracking of Dual Robot Manipulators Using Recurrent Neural Network. Frontiers in Neurorobotics, 2017, 11, 47.	1.6	15
134	Different-Level Simultaneous Minimization Scheme for Fault Tolerance of Redundant Manipulator Aided with Discrete-Time Recurrent Neural Network. Frontiers in Neurorobotics, 2017, 11, 50.	1.6	17
135	Modified ZNN for Time-Varying Quadratic Programming With Inherent Tolerance to Noises and Its Application to Kinematic Redundancy Resolution of Robot Manipulators. IEEE Transactions on Industrial Electronics, 2016, 63, 6978-6988.	5.2	194
136	Enhanced discrete-time Zhang neural network for time-variant matrix inversion in the presence of bias noises. Neurocomputing, 2016, 207, 220-230.	3.5	60
137	Taylor $O(h^{3})$ Discretization of ZNN Models for Dynamic Equality-Constrained Quadratic Programming With Application to Manipulators. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 225-237.	7.2	112
138	Tracking control of modified Lorenz nonlinear system using ZG neural dynamics with additive input or mixed inputs. Neurocomputing, 2016, 196, 82-94.	3.5	43
139	Continuous and discrete Zhang dynamics for real-time varying nonlinear optimization. Numerical Algorithms, 2016, 73, 115-140.	1.1	104
140	Integration-Enhanced Zhang Neural Network for Real-Time-Varying Matrix Inversion in the Presence of Various Kinds of Noises. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2615-2627.	7.2	198
141	Challenging simulation practice (failure and success) on implicit tracking control of double-integrator system via Zhang-gradient method. Mathematics and Computers in Simulation, 2016, 120, 104-119.	2.4	15
142	GD-aided IOL (inputâ€“output linearisation) controller for handling affine-form nonlinear system with loose condition on relative degree. International Journal of Control, 2016, 89, 757-769.	1.2	17
143	G2-Type SRMPC Scheme for Synchronous Manipulation of Two Redundant Robot Arms. IEEE Transactions on Cybernetics, 2015, 45, 153-164.	6.2	115
144	Discrete-Time Zhang Neural Network for Online Time-Varying Nonlinear Optimization With Application to Manipulator Motion Generation. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1525-1531.	7.2	125

#	Article	IF	Citations
145	Taylor-type 1-step-ahead numerical differentiation rule for first-order derivative approximation and ZNN discretization. Journal of Computational and Applied Mathematics, 2015, 273, 29-40.	1.1	104
146	Discrete-time Zhang neural network of O(Ï„3) pattern for time-varying matrix pseudoinversion with application to manipulator motion generation. Neurocomputing, 2014, 142, 165-173.	3.5	102
147	Twice-Pruning Aided WASD Neuronet of Bernoulli-Polynomial Type with Extension to Robust Classification. , 2013, , .		5
148	Controller design of nonlinear system for fully trackable and partially trackable paths by combining ZD and GD. , 2013, , .		8
149	Growing-type WASD for power-activation neuronet to model and forecast monthly time series. , 2013, , .		9
150	ZG controllers for output tracking of nonlinear mass-spring-damper mechanical system with division-by-zero problem solved. , 2013, , .		16
151	Broker-based Cross-Cloud Federation Manager. , 2013, , .		2
152	Different ZFs Leading to Various ZNN Models Illustrated via Online Solution of Time-Varying Underdetermined Systems of Linear Equations with Robotic Application. Lecture Notes in Computer Science, 2013, , 481-488.	1.0	17
153	Three nonlinearly-activated discrete-Time ZNN models for time-varying matrix inversion. , 2012, , .		2
154	Discrete-time ZNN algorithms for time-varying linear matrix-vector inequality solving. , 2012, , .		2
155	Superior performance of using hyperbolic sine activation functions in ZNN illustrated via time-varying matrix square roots finding. Computer Science and Information Systems, 2012, 9, 1603-1625.	0.7	22