

# Haibo He

## List of Publications by Year in descending order

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394  
papers

24,612  
citations

9264

74  
h-index

10158

140  
g-index

408  
all docs

408  
docs citations

408  
times ranked

19213  
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning from Imbalanced Data. IEEE Transactions on Knowledge and Data Engineering, 2009, 21, 1263-1284.	5.7	5,717
2	ADASYN: Adaptive synthetic sampling approach for imbalanced learning. , 2008, , .		656
3	Multiscale Convolutional Neural Networks for Fault Diagnosis of Wind Turbine Gearbox. IEEE Transactions on Industrial Electronics, 2019, 66, 3196-3207.	7.9	569
4	Cyber-physical attacks and defences in the smart grid: a survey. IET Cyber-Physical Systems: Theory and Applications, 2016, 1, 13-27.	3.3	332
5	Model-Free Real-Time EV Charging Scheduling Based on Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2019, 10, 5246-5257.	9.0	300
6	Adaptive Critic Nonlinear Robust Control: A Survey. IEEE Transactions on Cybernetics, 2017, 47, 3429-3451.	9.5	287
7	Incorporating Intelligence in Fog Computing for Big Data Analysis in Smart Cities. IEEE Transactions on Industrial Informatics, 2017, 13, 2140-2150.	11.3	281
8	Air-Breathing Hypersonic Vehicle Tracking Control Based on Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 584-598.	11.3	249
9	Contribution of the Compass satellite navigation system to global PNT users. Science Bulletin, 2011, 56, 2813-2819.	1.7	248
10	Dynamic path planning for autonomous driving on various roads with avoidance of static and moving obstacles. Mechanical Systems and Signal Processing, 2018, 100, 482-500.	8.0	228
11	Stacked Multilevel-Denoising Autoencoders: A New Representation Learning Approach for Wind Turbine Gearbox Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 2391-2402.	4.7	220
12	A three-network architecture for on-line learning and optimization based on adaptive dynamic programming. Neurocomputing, 2012, 78, 3-13.	5.9	210
13	An Event-Triggered ADP Control Approach for Continuous-Time System With Unknown Internal States. IEEE Transactions on Cybernetics, 2017, 47, 683-694.	9.5	205
14	A local density-based approach for outlier detection. Neurocomputing, 2017, 241, 171-180.	5.9	197
15	Stochastic Optimization of Economic Dispatch for Microgrid Based on Approximate Dynamic Programming. IEEE Transactions on Smart Grid, 2019, 10, 2440-2452.	9.0	194
16	Constrained EV Charging Scheduling Based on Safe Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2020, 11, 2427-2439.	9.0	191
17	Impact of Power Grid Strength and PLL Parameters on Stability of Grid-Connected DFIG Wind Farm. IEEE Transactions on Sustainable Energy, 2020, 11, 545-557.	8.8	188
18	Q-Learning-Based Vulnerability Analysis of Smart Grid Against Sequential Topology Attacks. IEEE Transactions on Information Forensics and Security, 2017, 12, 200-210.	6.9	185

#	ARTICLE	IF	CITATIONS
19	Toward Optimal Feature Selection in Naive Bayes for Text Categorization. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 2508-2521.	5.7	183
20	Formation Learning Control of Multiple Autonomous Underwater Vehicles With Heterogeneous Nonlinear Uncertain Dynamics. IEEE Transactions on Cybernetics, 2018, 48, 2920-2934.	9.5	182
21	Wind Turbine Fault Detection Using a Denoising Autoencoder With Temporal Information. IEEE/ASME Transactions on Mechatronics, 2018, 23, 89-100.	5.8	181
22	Cascading Failure Analysis With DC Power Flow Model and Transient Stability Analysis. IEEE Transactions on Power Systems, 2015, 30, 285-297.	6.5	175
23	Improved Sliding Mode Design for Load Frequency Control of Power System Integrated an Adaptive Learning Strategy. IEEE Transactions on Industrial Electronics, 2017, 64, 6742-6751.	7.9	172
24	RAMOBoost: Ranked Minority Oversampling in Boosting. IEEE Transactions on Neural Networks, 2010, 21, 1624-1642.	4.2	170
25	Event-Triggered Optimal Control for Partially Unknown Constrained-Input Systems via Adaptive Dynamic Programming. IEEE Transactions on Industrial Electronics, 2017, 64, 4101-4109.	7.9	170
26	Adaptive Learning in Tracking Control Based on the Dual Critic Network Design. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 913-928.	11.3	164
27	Fixed/Preassigned-Time Synchronization of Complex Networks via Improving Fixed-Time Stability. IEEE Transactions on Cybernetics, 2021, 51, 2882-2892.	9.5	164
28	Event-Triggered Adaptive Dynamic Programming for Continuous-Time Systems With Control Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1941-1952.	11.3	163
29	Dynamic Energy Management of a Microgrid Using Approximate Dynamic Programming and Deep Recurrent Neural Network Learning. IEEE Transactions on Smart Grid, 2019, 10, 4435-4445.	9.0	155
30	Power System Stability Control for a Wind Farm Based on Adaptive Dynamic Programming. IEEE Transactions on Smart Grid, 2015, 6, 166-177.	9.0	153
31	Adaptive Event-Triggered Control Based on Heuristic Dynamic Programming for Nonlinear Discrete-Time Systems. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1594-1605.	11.3	153
32	Data-Driven Tracking Control With Adaptive Dynamic Programming for a Class of Continuous-Time Nonlinear Systems. IEEE Transactions on Cybernetics, 2017, 47, 1460-1470.	9.5	147
33	Novel iterative neural dynamic programming for data-based approximate optimal control design. Automatica, 2017, 81, 240-252.	5.0	147
34	An Event-Triggered Approach for Load Frequency Control With Supplementary ADP. IEEE Transactions on Power Systems, 2017, 32, 581-589.	6.5	146
35	Distributive Dynamic Spectrum Access Through Deep Reinforcement Learning: A Reservoir Computing-Based Approach. IEEE Internet of Things Journal, 2019, 6, 1938-1948.	8.7	141
36	Energy-Storage-Based Low-Frequency Oscillation Damping Control Using Particle Swarm Optimization and Heuristic Dynamic Programming. IEEE Transactions on Power Systems, 2014, 29, 2539-2548.	6.5	139

#	ARTICLE	IF	CITATIONS
37	Learning Race from Face: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 2483-2509.	13.9	134
38	A Bayesian Classification Approach Using Class-Specific Features for Text Categorization. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1602-1606.	5.7	134
39	Revealing cascading failure vulnerability in power grids using risk-graph. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3274-3284.	5.6	133
40	Intelligent Optimal Control With Critic Learning for a Nonlinear Overhead Crane System. IEEE Transactions on Industrial Informatics, 2018, 14, 2932-2940.	11.3	129
41	Global Synchronization of Fuzzy Memristive Neural Networks With Discrete and Distributed Delays. IEEE Transactions on Fuzzy Systems, 2020, 28, 2022-2034.	9.8	128
42	Optimized Control of DFIG-Based Wind Generation Using Sensitivity Analysis and Particle Swarm Optimization. IEEE Transactions on Smart Grid, 2013, 4, 509-520.	9.0	126
43	Optimal Control for Unknown Discrete-Time Nonlinear Markov Jump Systems Using Adaptive Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 2141-2155.	11.3	126
44	Incremental Learning From Stream Data. IEEE Transactions on Neural Networks, 2011, 22, 1901-1914.	4.2	124
45	Dimensionality Reduction of Hyperspectral Imagery Based on Spatial-Spectral Manifold Learning. IEEE Transactions on Cybernetics, 2020, 50, 2604-2616.	9.5	124
46	Load Frequency Control in Isolated Micro-Grids with Electrical Vehicles Based on Multivariable Generalized Predictive Theory. Energies, 2015, 8, 2145-2164.	3.1	122
47	A Hierarchical Deep Domain Adaptation Approach for Fault Diagnosis of Power Plant Thermal System. IEEE Transactions on Industrial Informatics, 2019, 15, 5139-5148.	11.3	122
48	Semisupervised Feature Selection Based on Relevance and Redundancy Criteria. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1974-1984.	11.3	119
49	Adaptive Critic Designs for Event-Triggered Robust Control of Nonlinear Systems With Unknown Dynamics. IEEE Transactions on Cybernetics, 2019, 49, 2255-2267.	9.5	118
50	Real-Time Demand Side Management for a Microgrid Considering Uncertainties. IEEE Transactions on Smart Grid, 2019, 10, 3401-3414.	9.0	115
51	Towards incremental learning of nonstationary imbalanced data stream: a multiple selectively recursive approach. Evolving Systems, 2011, 2, 35-50.	3.9	112
52	Event-Driven Adaptive Robust Control of Nonlinear Systems With Uncertainties Through NDP Strategy. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1358-1370.	9.3	111
53	Online Learning Control Using Adaptive Critic Designs With Sparse Kernel Machines. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 762-775.	11.3	110
54	Resilience Analysis of Power Grids Under the Sequential Attack. IEEE Transactions on Information Forensics and Security, 2014, 9, 2340-2354.	6.9	108

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55	BULDP: Biomimetic Uncorrelated Locality Discriminant Projection for Feature Extraction in Face Recognition. IEEE Transactions on Image Processing, 2018, 27, 2575-2586.	9.8	107
56	Real-Time Residential Demand Response. IEEE Transactions on Smart Grid, 2020, 11, 4144-4154.	9.0	106
57	A Novel Energy Function-Based Stability Evaluation and Nonlinear Control Approach for Energy Internet. IEEE Transactions on Smart Grid, 2017, 8, 1195-1210.	9.0	105
58	Optimal Real-Time Operation Strategy for Microgrid: An ADP-Based Stochastic Nonlinear Optimization Approach. IEEE Transactions on Sustainable Energy, 2019, 10, 931-942.	8.8	104
59	Deterministic Policy Gradient With Integral Compensator for Robust Quadrotor Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3713-3725.	9.3	102
60	Integrated Security Analysis on Cascading Failure in Complex Networks. IEEE Transactions on Information Forensics and Security, 2014, 9, 451-463.	6.9	101
61	Distributed Cooperative Control and Stability Analysis of Multiple DC Electric Springs in a DC Microgrid. IEEE Transactions on Industrial Electronics, 2018, 65, 5611-5622.	7.9	101
62	Goal Representation Heuristic Dynamic Programming on Maze Navigation. IEEE Transactions on Neural Networks and Learning Systems, 2013, 24, 2038-2050.	11.3	94
63	Adaptive Learning and Control for MIMO System Based on Adaptive Dynamic Programming. IEEE Transactions on Neural Networks, 2011, 22, 1133-1148.	4.2	91
64	Home Network Power-Line Communication Signal Processing Based on Wavelet Packet Analysis. IEEE Transactions on Power Delivery, 2005, 20, 1879-1885.	4.3	90
65	ENN: Extended Nearest Neighbor Method for Pattern Recognition [Research Frontier]. IEEE Computational Intelligence Magazine, 2015, 10, 52-60.	3.2	90
66	Dynamic Behavior of Terminal Sliding Mode Control. IEEE Transactions on Industrial Electronics, 2018, 65, 3480-3490.	7.9	90
67	Model-Free Adaptive Control for Unknown Nonlinear Zero-Sum Differential Game. IEEE Transactions on Cybernetics, 2018, 48, 1633-1646.	9.5	90
68	Model-Free Dual Heuristic Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1834-1839.	11.3	89
69	Synchronization of complex-valued dynamic networks with intermittently adaptive coupling: A direct error method. Automatica, 2020, 112, 108675.	5.0	87
70	Reactive power control of grid-connected wind farm based on adaptive dynamic programming. Neurocomputing, 2014, 125, 125-133.	5.9	83
71	Intelligent Critic Control With Disturbance Attenuation for Affine Dynamics Including an Application to a Microgrid System. IEEE Transactions on Industrial Electronics, 2017, 64, 4935-4944.	7.9	83
72	Event-Driven Nonlinear Discounted Optimal Regulation Involving a Power System Application. IEEE Transactions on Industrial Electronics, 2017, 64, 8177-8186.	7.9	83

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73	Resilient Wide-Area Damping Control Using GrHDP to Tolerate Communication Failures. IEEE Transactions on Smart Grid, 2019, 10, 2547-2557.	9.0	82
74	Near-Optimal Tracking Control of Mobile Robots Via Receding-Horizon Dual Heuristic Programming. IEEE Transactions on Cybernetics, 2016, 46, 2484-2496.	9.5	80
75	GrDHP: A General Utility Function Representation for Dual Heuristic Dynamic Programming. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 614-627.	11.3	78
76	Distributed Cooperative Control of Multiple Hybrid Energy Storage Systems in a DC Microgrid Using Consensus Protocol. IEEE Transactions on Industrial Electronics, 2020, 67, 1968-1979.	7.9	76
77	Adaptive Supplementary Damping Control of VSC-HVDC for Interarea Oscillation Using GrHDP. IEEE Transactions on Power Systems, 2018, 33, 1777-1789.	6.5	75
78	Detection of false data attacks in smart grid with supervised learning. , 2016, , .		74
79	Data-Adaptive Robust Optimization Method for the Economic Dispatch of Active Distribution Networks. IEEE Transactions on Smart Grid, 2019, 10, 3791-3800.	9.0	74
80	Cooperative Deterministic Learning-Based Formation Control for a Group of Nonlinear Uncertain Mechanical Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 319-333.	11.3	73
81	Improving the Critic Learning for Event-Based Nonlinear $H_{\infty}$ Control Design. IEEE Transactions on Cybernetics, 2017, 47, 3417-3428.	9.5	72
82	Automated Demand Response Framework in ELNs: Decentralized Scheduling and Smart Contract. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 58-72.	9.3	72
83	Design of a robust EMG sensing interface for pattern classification. Journal of Neural Engineering, 2010, 7, 056005.	3.5	71
84	Event-Triggered Optimal Neuro-Controller Design With Reinforcement Learning for Unknown Nonlinear Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1866-1878.	9.3	71
85	Learning to Navigate Through Complex Dynamic Environment With Modular Deep Reinforcement Learning. IEEE Transactions on Games, 2018, 10, 400-412.	1.4	70
86	Cyber-Attack Recovery Strategy for Smart Grid Based on Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2020, 11, 2476-2486.	9.0	70
87	Multi-Contingency Cascading Analysis of Smart Grid Based on Self-Organizing Map. IEEE Transactions on Information Forensics and Security, 2013, 8, 646-656.	6.9	69
88	Parameterized Batch Reinforcement Learning for Longitudinal Control of Autonomous Land Vehicles. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 730-741.	9.3	69
89	Continuous-Time Distributed Policy Iteration for Multicontroller Nonlinear Systems. IEEE Transactions on Cybernetics, 2021, 51, 2372-2383.	9.5	68
90	SERA: Selectively recursive approach towards nonstationary imbalanced stream data mining. , 2009, , .		66

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91	Self-learning robust optimal control for continuous-time nonlinear systems with mismatched disturbances. <i>Neural Networks</i> , 2018, 99, 19-30.	5.9	66
92	Energy-Storage-Based Intelligent Frequency Control of Microgrid With Stochastic Model Uncertainties. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 1748-1758.	9.0	66
93	Distributed Hybrid Secondary Control for a DC Microgrid via Discrete-Time Interaction. <i>IEEE Transactions on Energy Conversion</i> , 2018, 33, 1865-1875.	5.2	64
94	Adaptive Dynamic Programming for Robust Regulation and Its Application to Power Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 5722-5732.	7.9	63
95	Data-Driven Finite-Horizon Approximate Optimal Control for Discrete-Time Nonlinear Systems Using Iterative HDP Approach. <i>IEEE Transactions on Cybernetics</i> , 2018, 48, 2948-2961.	9.5	62
96	Decentralized Event-Triggered Control for a Class of Nonlinear-Interconnected Systems Using Reinforcement Learning. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 635-648.	9.5	62
97	DCPE co-training for classification. <i>Neurocomputing</i> , 2012, 86, 75-85.	5.9	60
98	GIR-based ensemble sampling approaches for imbalanced learning. <i>Pattern Recognition</i> , 2017, 71, 306-319.	8.1	59
99	Kernel-Based Approximate Dynamic Programming for Real-Time Online Learning Control: An Experimental Study. <i>IEEE Transactions on Control Systems Technology</i> , 2014, 22, 146-156.	5.2	58
100	Adaptive wide-area power oscillation damper design for photovoltaic plant considering delay compensation. <i>IET Generation, Transmission and Distribution</i> , 2017, 11, 4511-4519.	2.5	58
101	Adaptive Critic Learning and Experience Replay for Decentralized Event-Triggered Control of Nonlinear Interconnected Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 4043-4055.	9.3	58
102	A Theoretical Foundation of Goal Representation Heuristic Dynamic Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016, 27, 2513-2525.	11.3	57
103	Functional Nonlinear Model Predictive Control Based on Adaptive Dynamic Programming. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 4206-4218.	9.5	56
104	Event-Triggered Robust Stabilization of Nonlinear Input-Constrained Systems Using Single Network Adaptive Critic Designs. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 3145-3157.	9.3	56
105	A Novel Framework for Fault Diagnosis Using Kernel Partial Least Squares Based on an Optimal Preference Matrix. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 4315-4324.	7.9	55
106	Variational autoencoder based synthetic data generation for imbalanced learning. , 2017, , .		55
107	Interactive Energy Management for Enhancing Power Balances in Multi-Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 6055-6069.	9.0	55
108	A Novel UKF-RBF Method Based on Adaptive Noise Factor for Fault Diagnosis in Pumping Unit. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 1415-1424.	11.3	54

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109	Intelligent load frequency controller using GrADP for island smart grid with electric vehicles and renewable resources. <i>Neurocomputing</i> , 2015, 170, 406-416.	5.9	53
110	A Fully Decentralized Multi-Agent System for Intelligent Restoration of Power Distribution Network Incorporating Distributed Generations [Application Notes]. <i>IEEE Computational Intelligence Magazine</i> , 2012, 7, 66-76.	3.2	52
111	A bi-layer optimization based temporal and spatial scheduling for large-scale electric vehicles. <i>Applied Energy</i> , 2016, 168, 179-192.	10.1	52
112	Deep Learning Based Energy Efficiency Optimization for Distributed Cooperative Spectrum Sensing. <i>IEEE Wireless Communications</i> , 2019, 26, 32-39.	9.0	52
113	Joint Substation-Transmission Line Vulnerability Assessment Against the Smart Grid. <i>IEEE Transactions on Information Forensics and Security</i> , 2015, 10, 1010-1024.	6.9	51
114	Online Scheduling of a Residential Microgrid via Monte-Carlo Tree Search and a Learned Model. <i>IEEE Transactions on Smart Grid</i> , 2021, 12, 1073-1087.	9.0	50
115	A visual long-short-term memory based integrated CNN model for fabric defect image classification. <i>Neurocomputing</i> , 2020, 380, 259-270.	5.9	49
116	Advanced Secondary Voltage Recovery Control for Multiple HESSs in a Droop-Controlled DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 3828-3839.	9.0	48
117	Event-Driven $H_\infty$ -Constrained Control Using Adaptive Critic Learning. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 4860-4872.	9.5	48
118	A Folded Neural Network Autoencoder for Dimensionality Reduction. <i>Procedia Computer Science</i> , 2012, 13, 120-127.	2.0	47
119	KernelADASYN: Kernel based adaptive synthetic data generation for imbalanced learning. , 2015, , .		47
120	PI-Consensus Based Distributed Control of AC Microgrids. <i>IEEE Transactions on Power Systems</i> , 2020, 35, 2268-2278.	6.5	47
121	Necessary and Sufficient Conditions for Consensus in Fractional-Order Multiagent Systems via Sampled Data Over Directed Graph. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 2501-2511.	9.3	47
122	Robot-Assisted Pedestrian Regulation Based on Deep Reinforcement Learning. <i>IEEE Transactions on Cybernetics</i> , 2020, 50, 1669-1682.	9.5	46
123	Approximate Dynamic Programming for Nonlinear-Constrained Optimizations. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 2419-2432.	9.5	46
124	Data-Driven Distributed Output Consensus Control for Partially Observable Multiagent Systems. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 848-858.	9.5	45
125	Entropy-based Sampling Approaches for Multi-Class Imbalanced Problems. <i>IEEE Transactions on Knowledge and Data Engineering</i> , 2020, 32, 2159-2170.	5.7	45
126	A Multifactorial Evolutionary Algorithm for Multitasking Under Interval Uncertainties. <i>IEEE Transactions on Evolutionary Computation</i> , 2020, 24, 908-922.	10.0	45

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127	Consensus-Based Distributed Control for Photovoltaic-Battery Units in a DC Microgrid. IEEE Transactions on Industrial Electronics, 2019, 66, 7778-7787.	7.9	44
128	Distributed Optimal Control of Energy Storages in a DC Microgrid With Communication Delay. IEEE Transactions on Smart Grid, 2020, 11, 2033-2042.	9.0	44
129	IMORL: Incremental Multiple-Object Recognition and Localization. IEEE Transactions on Neural Networks, 2008, 19, 1727-1738.	4.2	43
130	Fuzzy-Based Goal Representation Adaptive Dynamic Programming. IEEE Transactions on Fuzzy Systems, 2016, 24, 1159-1175.	9.8	43
131	Event-triggered reinforcement learning approach for unknown nonlinear continuous-time system. , 2014, , .		42
132	Human Mobility Modeling for Robot-Assisted Evacuation in Complex Indoor Environments. IEEE Transactions on Human-Machine Systems, 2016, 46, 694-707.	3.5	42
133	A Finger Vein Image-Based Personal Identification System With Self-Adaptive Illuminance Control. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 294-304.	4.7	42
134	Carbonate weathering-related carbon sink fluxes under different land uses: A case study from the Shawan Simulation Test Site, Puding, Southwest China. Chemical Geology, 2017, 474, 58-71.	3.3	41
135	Gr-GDHP: A New Architecture for Globalized Dual Heuristic Dynamic Programming. IEEE Transactions on Cybernetics, 2017, 47, 3318-3330.	9.5	41
136	GrHDP Solution for Optimal Consensus Control of Multiagent Discrete-Time Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2362-2374.	9.3	41
137	Adaptive dynamic programming for robust neural control of unknown continuous-time nonlinear systems. IET Control Theory and Applications, 2017, 11, 2307-2316.	2.1	40
138	An analytical study on the carrier-phase linear combinations for triple-frequency GNSS. Journal of Geodesy, 2017, 91, 151-166.	3.6	40
139	Consensus for nonlinear multi-agent systems modelled by PDEs based on spatial boundary communication. IET Control Theory and Applications, 2017, 11, 3196-3200.	2.1	40
140	Operating Parameters Optimization for the Aluminum Electrolysis Process Using an Improved Quantum-Behaved Particle Swarm Algorithm. IEEE Transactions on Industrial Informatics, 2018, 14, 3405-3415.	11.3	40
141	Event-triggered differentially private average consensus for multi-agent network. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 75-83.	13.1	40
142	Global Stabilization of Fuzzy Memristor-Based Reaction-Diffusion Neural Networks. IEEE Transactions on Cybernetics, 2020, 50, 4658-4669.	9.5	40
143	SOMKE: Kernel Density Estimation Over Data Streams by Sequences of Self-Organizing Maps. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1254-1268.	11.3	39
144	Dynamic event-triggered robust secondary frequency control for islanded AC microgrid. Applied Energy, 2019, 242, 821-836.	10.1	39

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145	ar-MOEA: A Novel Preference-Based Dominance Relation for Evolutionary Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 788-802.	10.0	39
146	Manifold-Based Reinforcement Learning via Locally Linear Reconstruction. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 934-947.	11.3	38
147	Spatio-temporal Memories for Machine Learning: A Long-Term Memory Organization. IEEE Transactions on Neural Networks, 2009, 20, 768-780.	4.2	37
148	Hybrid synchronization behavior in an array of coupled chaotic systems with ring connection. Neurocomputing, 2016, 173, 1299-1309.	5.9	37
149	Event-Triggered Globalized Dual Heuristic Programming and Its Application to Networked Control Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 1383-1392.	11.3	37
150	Flexibility Provisions in Active Distribution Networks With Uncertainties. IEEE Transactions on Sustainable Energy, 2020, , 1-1.	8.8	37
151	Optimized Relative Transformation Matrix Using Bacterial Foraging Algorithm for Process Fault Detection. IEEE Transactions on Industrial Electronics, 2016, 63, 2595-2605.	7.9	36
152	A neural network based online learning and control approach for Markov jump systems. Neurocomputing, 2015, 149, 116-123.	5.9	35
153	Adaptive Modulation for DFIG and STATCOM With High-Voltage Direct Current Transmission. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1762-1772.	11.3	34
154	A chance constrained optimal reserve scheduling approach for economic dispatch considering wind penetration. IEEE/CAA Journal of Automatica Sinica, 2017, 4, 186-194.	13.1	34
155	Intermittent Stabilization of Fuzzy Competitive Neural Networks With Reaction Diffusions. IEEE Transactions on Fuzzy Systems, 2021, 29, 2361-2372.	9.8	34
156	Anticipation-Based Temporal Sequences Learning in Hierarchical Structure. IEEE Transactions on Neural Networks, 2007, 18, 344-358.	4.2	33
157	Sparse-Representation-Based Classification with Structure-Preserving Dimension Reduction. Cognitive Computation, 2014, 6, 608-621.	5.2	33
158	Deep associative neural network for associative memory based on unsupervised representation learning. Neural Networks, 2019, 113, 41-53.	5.9	33
159	The sensitivity of the carbon sink by coupled carbonate weathering to climate and land-use changes: Sediment records of the biological carbon pump effect in Fuxian Lake, Yunnan, China, during the past century. Science of the Total Environment, 2020, 720, 137539.	8.0	33
160	Edge-Based Adaptive Distributed Method for Synchronization of Intermittently Coupled Spatiotemporal Networks. IEEE Transactions on Automatic Control, 2022, 67, 2597-2604.	5.7	33
161	Power quality disturbances analysis based on EDMRA method. International Journal of Electrical Power and Energy Systems, 2009, 31, 258-268.	5.5	32
162	Imbalanced evolving self-organizing learning. Neurocomputing, 2014, 133, 258-270.	5.9	32

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163	Semi-periodically intermittent control for synchronization of switched complex networks: a mode-dependent average dwell time approach. <i>Nonlinear Dynamics</i> , 2016, 83, 1757-1771.	5.2	32
164	Neuro-Optimal Tracking Control for Continuous Stirred Tank Reactor With Input Constraints. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 4516-4524.	11.3	32
165	Coordinated Topology Attacks in Smart Grid Using Deep Reinforcement Learning. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 1407-1415.	11.3	32
166	Using deuterium excess, precipitation and runoff data to determine evaporation and transpiration: A case study from the Shawan Test Site, Puding, Guizhou, China. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 242, 21-33.	3.9	31
167	Emotion-Semantic-Enhanced Neural Network. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2019, 27, 531-543.	5.8	31
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