

# 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	A Geometric Approach to Second-Order Consensus of Heterogeneous Networked Systems. IEEE Transactions on Cybernetics, 2024, , 1-10.	9.5	6
2	Detection of False Data Injection Attacks in AC State Estimation Using Phasor Measurements. IEEE Transactions on Smart Grid, 2024, , 1-1.	9.0	21
3	Symmetric All Convolutional Neural-Network-Based Unsupervised Feature Extraction for Hyperspectral Images Classification. IEEE Transactions on Cybernetics, 2022, 52, 2981-2993.	9.5	23
4	Discriminant Geometrical and Statistical Alignment With Density Peaks for Domain Adaptation. IEEE Transactions on Cybernetics, 2022, 52, 1193-1206.	9.5	18
5	Learning From Negative Links. IEEE Transactions on Cybernetics, 2022, 52, 8481-8492.	9.5	1
6	Edge-Based Adaptive Distributed Method for Synchronization of Intermittently Coupled Spatiotemporal Networks. IEEE Transactions on Automatic Control, 2022, 67, 2597-2604.	5.7	33
7	Finite-Time Command-Filtered Composite Adaptive Neural Control of Uncertain Nonlinear Systems. IEEE Transactions on Cybernetics, 2022, 52, 6809-6821.	9.5	20
8	Organic carbon source tracing and the BCP effect in the Yangtze River and the Yellow River: Insights from hydrochemistry, carbon isotope, and lipid biomarker analyses. Science of the Total Environment, 2022, 812, 152429.	8.0	16
9	Learning to Operate Distribution Networks With Safe Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2022, 13, 1860-1872.	9.0	30
10	High stability of autochthonous dissolved organic matter in karst aquatic ecosystems: Evidence from fluorescence. Water Research, 2022, 220, 118723.	11.3	20
11	A Sparse Dimensionality Reduction Approach Based on False Nearest Neighbors for Nonlinear Fault Detection. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4980-4992.	9.3	12
12	Toward Optimal Risk-Averse Configuration for HESS With CGANs-Based PV Scenario Generation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1779-1793.	9.3	15
13	Fully Distributed Finite-Time Consensus of Directed Multiquadcopter Systems via Pinning Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5080-5089.	9.3	19
14	Dual Alignment for Partial Domain Adaptation. IEEE Transactions on Cybernetics, 2021, 51, 3404-3416.	9.5	22
15	Adaptive Observer-Based Output Regulation of Multiagent Systems With Communication Constraints. IEEE Transactions on Cybernetics, 2021, 51, 5259-5268.	9.5	15
16	Event-Driven $\mathcal{H}_\infty$ -Constrained Control Using Adaptive Critic Learning. IEEE Transactions on Cybernetics, 2021, 51, 4860-4872.	9.5	48
17	Continuous-Time Distributed Policy Iteration for Multicontroller Nonlinear Systems. IEEE Transactions on Cybernetics, 2021, 51, 2372-2383.	9.5	68
18	Fixed/Preassigned-Time Synchronization of Complex Networks via Improving Fixed-Time Stability. IEEE Transactions on Cybernetics, 2021, 51, 2882-2892.	9.5	164

#	ARTICLE	IF	CITATIONS
19	Intermittent Stabilization of Fuzzy Competitive Neural Networks With Reaction Diffusions. IEEE Transactions on Fuzzy Systems, 2021, 29, 2361-2372.	9.8	34
20	Coordinated Topology Attacks in Smart Grid Using Deep Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2021, 17, 1407-1415.	11.3	32
21	Optimal Feedback Control of Pedestrian Flow in Heterogeneous Corridors. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1097-1108.	5.2	7
22	Necessary and Sufficient Conditions for Consensus in Fractional-Order Multiagent Systems via Sampled Data Over Directed Graph. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2501-2511.	9.3	47
23	Online Scheduling of a Residential Microgrid via Monte-Carlo Tree Search and a Learned Model. IEEE Transactions on Smart Grid, 2021, 12, 1073-1087.	9.0	50
24	An End-to-End Framework With Multisource Monitoring Data for Bridge Health Anomaly Identification. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	11
25	Event-Triggered Privacy-Preserving Average Consensus for Multiagent Networks With Time Delay: An Output Mask Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4520-4531.	9.3	15
26	Small Fault Detection of Discrete-Time Nonlinear Uncertain Systems. IEEE Transactions on Cybernetics, 2021, 51, 750-764.	9.5	17
27	Approximate Dynamic Programming for Nonlinear-Constrained Optimizations. IEEE Transactions on Cybernetics, 2021, 51, 2419-2432.	9.5	46
28	Decentralized Event-Triggered Control for a Class of Nonlinear-Interconnected Systems Using Reinforcement Learning. IEEE Transactions on Cybernetics, 2021, 51, 635-648.	9.5	62
29	Recent environmental changes in the Yunnan-Guizhou Plateau inferred from organic geochemical records from the sediments of Fuxian Lake. Elementa, 2021, 9, .	3.2	5
30	Cooperative Adaptive Containment Control With Parameter Convergence via Cooperative Finite-Time Excitation. IEEE Transactions on Automatic Control, 2021, 66, 5612-5618.	5.7	17
31	Incomplete Multi-view Clustering with Joint Partition and Graph Learning. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	11
32	Local Domain Adaptation for Cross-Domain Activity Recognition. IEEE Transactions on Human-Machine Systems, 2021, 51, 12-21.	3.5	12
33	Smart Grid Anomaly Detection using a Deep Learning Digital Twin. , 2021, , .		30
34	Deep Transfer Cooperative Sensing in Cognitive Radio. IEEE Wireless Communications Letters, 2021, 10, 1354-1358.	5.0	5
35	Distributed Volt-VAR Optimization based on Multi-Agent Deep Reinforcement Learning. , 2021, , .		3
36	A Reinforcement Learning-Based Control Approach for Unknown Nonlinear Systems with Persistent Adversarial Inputs. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	Graph Neural Network Based Interference Estimation for Device-to-Device Wireless Communications. , 2021, , .		0
38	Coupled action of rock weathering and aquatic photosynthesis: Influence of the biological carbon pump effect on the sources and deposition of organic matter in Ngoring Lake, Qinghaiâ€™Tibet Plateau, China. Catena, 2021, 203, 105370.	5.0	6
39	Multiagent Adversarial Collaborative Learning via Mean-Field Theory. IEEE Transactions on Cybernetics, 2021, 51, 4994-5007.	9.5	19
40	Farewell Editorial A Heartfelt Thank You and Looking Into the New Era of TNNLS. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5262-5263.	11.3	0
41	Adversarial Attack for Deep Reinforcement Learning Based Demand Response. , 2021, , .		0
42	Online Microgrid Energy Management Based on Safe Deep Reinforcement Learning. , 2021, , .		3
43	A Distributed Iterative Learning Framework for DC Microgrids: Current Sharing and Voltage Regulation. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 119-129.	4.9	30
44	Robot-Assisted Pedestrian Regulation Based on Deep Reinforcement Learning. IEEE Transactions on Cybernetics, 2020, 50, 1669-1682.	9.5	46
45	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
46	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
47	Dimensionality Reduction of Hyperspectral Imagery Based on Spatialâ€™Spectral Manifold Learning. IEEE Transactions on Cybernetics, 2020, 50, 2604-2616.	9.5	124
48	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
49	Invariant Adaptive Dynamic Programming for Discrete-Time Optimal Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3959-3971.	9.3	30
50	Entropy-based Sampling Approaches for Multi-Class Imbalanced Problems. IEEE Transactions on Knowledge and Data Engineering, 2020, 32, 2159-2170.	5.7	45
51	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
52	Adaptive Critic Learning and Experience Replay for Decentralized Event-Triggered Control of Nonlinear Interconnected Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4043-4055.	9.3	58
53	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
54	Event-Triggered Robust Stabilization of Nonlinear Input-Constrained Systems Using Single Network Adaptive Critic Designs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3145-3157.	9.3	56

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55	Feasibility Identification and Computational Efficiency Improvement for Two-Stage RUC With Multiple Wind Farms. IEEE Transactions on Sustainable Energy, 2020, 11, 1669-1678.	8.8	25
56	Energy-Storage-Based Intelligent Frequency Control of Microgrid With Stochastic Model Uncertainties. IEEE Transactions on Smart Grid, 2020, 11, 1748-1758.	9.0	66
57	Topical network embedding. Data Mining and Knowledge Discovery, 2020, 34, 75-100.	3.7	7
58	APLNet: Attention-enhanced progressive learning network. Neurocomputing, 2020, 371, 166-176.	5.9	8
59	LMI-Based Synthesis of String-Stable Controller for Cooperative Adaptive Cruise Control. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4516-4525.	8.0	20
60	Global Synchronization of Fuzzy Memristive Neural Networks With Discrete and Distributed Delays. IEEE Transactions on Fuzzy Systems, 2020, 28, 2022-2034.	9.8	128
61	Pedestrian Flow Optimization to Reduce the Risk of Crowd Disasters Through Human-Robot Interaction. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 298-311.	4.9	7
62	A visual long-short-term memory based integrated CNN model for fabric defect image classification. Neurocomputing, 2020, 380, 259-270.	5.9	49
63	Synchronization of complex-valued dynamic networks with intermittently adaptive coupling: A direct error method. Automatica, 2020, 112, 108675.	5.0	87
64	PI-Consensus Based Distributed Control of AC Microgrids. IEEE Transactions on Power Systems, 2020, 35, 2268-2278.	6.5	47
65	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
66	Local Linear Spatial-Spectral Probabilistic Distribution for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1259-1272.	6.3	20
67	Global Stabilization of Fuzzy Memristor-Based Reaction-Diffusion Neural Networks. IEEE Transactions on Cybernetics, 2020, 50, 4658-4669.	9.5	40
68	Constrained EV Charging Scheduling Based on Safe Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2020, 11, 2427-2439.	9.0	191
69	Cyber-Attack Recovery Strategy for Smart Grid Based on Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2020, 11, 2476-2486.	9.0	70
70	Distributed Tracking in Heterogeneous Networks With Asynchronous Sampled-Data Control. IEEE Transactions on Industrial Informatics, 2020, 16, 7381-7391.	11.3	31
71	Ultrafast Active Response Strategy against Malfunction Attack on Fault Current Limiter. IEEE Transactions on Smart Grid, 2020, 11, 2722-2733.	9.0	5
72	Event-triggered Multi-agent Optimal Regulation Using Adaptive Dynamic Programming. , 2020, , .		2

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73	Benefits of BDS-3 B1C/B1I/B2a triple-frequency signals on precise positioning and ambiguity resolution. GPS Solutions, 2020, 24, 1.	4.3	26
74	Multi-attention deep reinforcement learning and re-ranking for vehicle re-identification. Neurocomputing, 2020, 414, 27-35.	5.9	7
75	Flexibility Provisions in Active Distribution Networks With Uncertainties. IEEE Transactions on Sustainable Energy, 2020, , 1-1.	8.8	37
76	One-step Predictive Encoder - Gaussian Segment Model for Time Series Anomaly Detection. , 2020, , .		1
77	Bipartite Graph based Multi-view Clustering. IEEE Transactions on Knowledge and Data Engineering, 2020, , 1-1.	5.7	26
78	One-Shot Unsupervised Domain Adaptation for Object Detection. , 2020, , .		1
79	Self-adaptive manifold discriminant analysis for feature extraction from hyperspectral imagery. Pattern Recognition, 2020, 107, 107487.	8.1	21
80	A Deep Reinforcement Learning Based Approach for Home Energy Management System. , 2020, , .		12
81	A Novel Secondary Optimal Control for Multiple Battery Energy Storages in a DC Microgrid. IEEE Transactions on Smart Grid, 2020, 11, 3716-3725.	9.0	26
82	Dynamic Spectrum Access for Femtocell Networks: A Graph Neural Network Based Learning Approach. , 2020, , .		2
83	Evolutionary Search for Energy-Efficient Distributed Cooperative Spectrum Sensing. , 2020, , .		2
84	Synthesis of Cooperative Adaptive Cruise Control With Feedforward Strategies. IEEE Transactions on Vehicular Technology, 2020, 69, 3615-3627.	6.3	13
85	CIS Publication Spotlight [Publication Spotlight]. IEEE Computational Intelligence Magazine, 2020, 15, 19-21.	3.2	0
86	Editorial: Another Successful Year and Looking Forward to 2020. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2-3.	11.3	0
87	Visual interaction networks: A novel bio-inspired computational model for image classification. Neural Networks, 2020, 130, 100-110.	5.9	25
88	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
89	Real-Time Residential Demand Response. IEEE Transactions on Smart Grid, 2020, 11, 4144-4154.	9.0	106
90	A Novel Scheduling Strategy for Controllable Loads With Power-Efficiency Characteristics. IEEE Transactions on Smart Grid, 2020, 11, 2151-2161.	9.0	9

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91	A Multifactorial Evolutionary Algorithm for Multitasking Under Interval Uncertainties. IEEE Transactions on Evolutionary Computation, 2020, 24, 908-922.	10.0	45
92	MCENN: A variant of extended nearest neighbor method for pattern recognition. Pattern Recognition Letters, 2020, 133, 116-122.	4.2	6
93	Real-Time Demand Side Management for a Microgrid Considering Uncertainties. IEEE Transactions on Smart Grid, 2019, 10, 3401-3414.	9.0	115
94	Multiscale Convolutional Neural Networks for Fault Diagnosis of Wind Turbine Gearbox. IEEE Transactions on Industrial Electronics, 2019, 66, 3196-3207.	7.9	569
95	Adaptive Dynamic Programming for Decentralized Stabilization of Uncertain Nonlinear Large-Scale Systems With Mismatched Interconnections. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-13.	9.3	20
96	A Novel UKF-RBF Method Based on Adaptive Noise Factor for Fault Diagnosis in Pumping Unit. IEEE Transactions on Industrial Informatics, 2019, 15, 1415-1424.	11.3	54
97	Asynchronous Quasi-Consensus of Heterogeneous Multiagent Systems With Nonuniform Input Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, , 1-13.	9.3	21
98	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
99	Advanced Secondary Voltage Recovery Control for Multiple HESSs in a Droop-Controlled DC Microgrid. IEEE Transactions on Smart Grid, 2019, 10, 3828-3839.	9.0	48
100	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
101	Functional Nonlinear Model Predictive Control Based on Adaptive Dynamic Programming. IEEE Transactions on Cybernetics, 2019, 49, 4206-4218.	9.5	56
102	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
103	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
104	Influence of the biological carbon pump effect on the sources and deposition of organic matter in Fuxian Lake, a deep oligotrophic lake in southwest China. Acta Geochimica, 2019, 38, 613-626.	1.7	11
105	Deep Learning Based Energy Efficiency Optimization for Distributed Cooperative Spectrum Sensing. IEEE Wireless Communications, 2019, 26, 32-39.	9.0	52
106	Information Generative Bayesian Adversarial Networks: A Representation Learning Model for Transmission Gear Parameters. IEEE/ASME Transactions on Mechatronics, 2019, 24, 1998-2007.	5.8	5
107	Dynamic Power Sharing and Autonomous Voltage Regulation in Islanded DC Microgrids. , 2019, , .		1
108	Spatial-spectral local discriminant projection for dimensionality reduction of hyperspectral image. ISPRS Journal of Photogrammetry and Remote Sensing, 2019, 156, 77-93.	11.1	17

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109	A Novel Generative Model With Bounded-GAN for Reliability Classification of Gear Safety. IEEE Transactions on Industrial Electronics, 2019, 66, 8772-8781.	7.9	19
110	Interactive Energy Management for Enhancing Power Balances in Multi-Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 6055-6069.	9.0	55
111	Event-triggered differentially private average consensus for multi-agent network. IEEE/CAA Journal of Automatica Sinica, 2019, 6, 75-83.	13.1	40
112	Deep associative neural network for associative memory based on unsupervised representation learning. Neural Networks, 2019, 113, 41-53.	5.9	33
113	On-Line Energy Management of Microgrid via Parametric Cost Function Approximation. IEEE Transactions on Power Systems, 2019, 34, 3300-3302.	6.5	16
114	An improved two-stage optimization for network and load recovery during power system restoration. Applied Energy, 2019, 249, 265-275.	10.1	18
115	Design and real-time implementation of data-driven adaptive wide-area damping controller for back-to-back VSC-HVDC. International Journal of Electrical Power and Energy Systems, 2019, 109, 558-574.	5.5	22
116	Dynamic event-triggered robust secondary frequency control for islanded AC microgrid. Applied Energy, 2019, 242, 821-836.	10.1	39
117	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
118	Imbalanced Learning for Cooperative Spectrum Sensing in Cognitive Radio Networks. , 2019, , .		3
119	An Evolutionary Computation Approach for Smart Grid Cascading Failure Vulnerability Analysis. , 2019, , .		7
120	Deep Reinforcement Learning for Economic Energy Scheduling in Data Center Microgrids. , 2019, , .		4
121	Adversarial Domain Adaptation via Category Transfer. , 2019, , .		6
122	Optimal Pedestrian Evacuation in Building with Consecutive Differential Dynamic Programming. , 2019, , .		1
123	Optimization of Merging Pedestrian Flows Based on Adaptive Dynamic Programming. , 2019, , .		1
124	Real-time subsidy based robust scheduling of the integrated power and gas system. Applied Energy, 2019, 236, 1158-1167.	10.1	30
125	Emotion-Semantic-Enhanced Neural Network. IEEE/ACM Transactions on Audio Speech and Language Processing, 2019, 27, 531-543.	5.8	31
126	Editorial: Booming of Neural Networks and Learning Systems. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2-10.	11.3	1



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127	Model-Free Real-Time EV Charging Scheduling Based on Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2019, 10, 5246-5257.	9.0	300
128	Consensus-Based Distributed Control for Photovoltaic-Battery Units in a DC Microgrid. IEEE Transactions on Industrial Electronics, 2019, 66, 7778-7787.	7.9	44
129	CGAN-MBL for Reliability Assessment With Imbalanced Transmission Gear Data. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3173-3183.	4.7	24
130	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
131	A Novel Framework for Gear Safety Factor Prediction. IEEE Transactions on Industrial Informatics, 2019, 15, 1998-2007.	11.3	12
132	AnswerNet: Learning to Answer Questions. IEEE Transactions on Big Data, 2019, 5, 540-549.	6.1	8
133	ar-MOEA: A Novel Preference-Based Dominance Relation for Evolutionary Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2019, 23, 788-802.	10.0	39
134	Neuro-Optimal Tracking Control for Continuous Stirred Tank Reactor With Input Constraints. IEEE Transactions on Industrial Informatics, 2019, 15, 4516-4524.	11.3	32
135	An Event-Driven ADR Approach for Residential Energy Resources in Microgrids With Uncertainties. IEEE Transactions on Industrial Electronics, 2019, 66, 5275-5288.	7.9	24
136	Learning Human-Robot Interaction for Robot-Assisted Pedestrian Flow Optimization. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 797-813.	9.3	30
137	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
138	Resilient Wide-Area Damping Control Using GrHDP to Tolerate Communication Failures. IEEE Transactions on Smart Grid, 2019, 10, 2547-2557.	9.0	82
139	Data-Driven Distributed Output Consensus Control for Partially Observable Multiagent Systems. IEEE Transactions on Cybernetics, 2019, 49, 848-858.	9.5	45
140	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
141	Stochastic Optimization of Economic Dispatch for Microgrid Based on Approximate Dynamic Programming. IEEE Transactions on Smart Grid, 2019, 10, 2440-2452.	9.0	194
142	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
143	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
144	Dynamic Behavior of Terminal Sliding Mode Control. IEEE Transactions on Industrial Electronics, 2018, 65, 3480-3490.	7.9	90

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145	BULDP: Biomimetic Uncorrelated Locality Discriminant Projection for Feature Extraction in Face Recognition. IEEE Transactions on Image Processing, 2018, 27, 2575-2586.	9.8	107
146	Growth and Success—Looking Forward to 2018 and Beyond. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2-9.	11.3	2
147	Cooperative output regulation of heterogeneous multi-agent systems with a leader of bounded inputs. IET Control Theory and Applications, 2018, 12, 233-242.	2.1	27
148	An adaptive critic approach to event-triggered robust control of nonlinear systems with unmatched uncertainties. International Journal of Robust and Nonlinear Control, 2018, 28, 3501-3519.	3.7	13
149	SDE: A Novel Clustering Framework Based on Sparsity-Density Entropy. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1575-1587.	5.7	19
150	Self-learning robust optimal control for continuous-time nonlinear systems with mismatched disturbances. Neural Networks, 2018, 99, 19-30.	5.9	66
151	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
152	Adaptive Dynamic Programming for Robust Regulation and Its Application to Power Systems. IEEE Transactions on Industrial Electronics, 2018, 65, 5722-5732.	7.9	63
153	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
154	Intelligent Optimal Control With Critic Learning for a Nonlinear Overhead Crane System. IEEE Transactions on Industrial Informatics, 2018, 14, 2932-2940.	11.3	129
155	MILE: A minimally interactive learning framework for visual data analysis. , 2018, , .		0
156	A Generative Model for Sparse Hyperparameter Determination. IEEE Transactions on Big Data, 2018, 4, 2-10.	6.1	21
157	Adaptive Supplementary Damping Control of VSC-HVDC for Interarea Oscillation Using GrHDP. IEEE Transactions on Power Systems, 2018, 33, 1777-1789.	6.5	75
158	Model-Free Adaptive Control for Unknown Nonlinear Zero-Sum Differential Game. IEEE Transactions on Cybernetics, 2018, 48, 1633-1646.	9.5	90
159	Wind Turbine Fault Detection Using a Denoising Autoencoder With Temporal Information. IEEE/ASME Transactions on Mechatronics, 2018, 23, 89-100.	5.8	181
160	Data-Driven Finite-Horizon Approximate Optimal Control for Discrete-Time Nonlinear Systems Using Iterative HDP Approach. IEEE Transactions on Cybernetics, 2018, 48, 2948-2961.	9.5	62
161	Formation Learning Control of Multiple Autonomous Underwater Vehicles With Heterogeneous Nonlinear Uncertain Dynamics. IEEE Transactions on Cybernetics, 2018, 48, 2920-2934.	9.5	182
162	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

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163	Adaptive Supplementary Damping Control of VSC-HVDC for Interarea Oscillation Using GrHDP. , 2018, , .		2
164	A Data-Driven Approach for Real-Time Residential EV Charging Management. , 2018, , .		10
165	Q-Learning for Non-Cooperative Channel Access Game of Cognitive Radio Networks. , 2018, , .		5
166	EDOS: Entropy Difference-based Oversampling Approach for Imbalanced Learning. , 2018, , .		6
167	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
168	Learning to Navigate Through Complex Dynamic Environment With Modular Deep Reinforcement Learning. <i>IEEE Transactions on Games</i> , 2018, 10, 400-412.	1.4	70
169	Reinforcement learning for robust adaptive control of partially unknown nonlinear systems subject to unmatched uncertainties. <i>Information Sciences</i> , 2018, 463-464, 307-322.	6.9	21
170	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
171	Learning Without External Reward [Research Frontier]. <i>IEEE Computational Intelligence Magazine</i> , 2018, 13, 48-54.	3.2	21
172	Adaptive critic designs for optimal control of uncertain nonlinear systems with unmatched interconnections. <i>Neural Networks</i> , 2018, 105, 142-153.	5.9	29
173	A distributed optical fiber sensing system for data center thermal monitoring. , 2018, , .		3
174	An Event-Triggered ADP Control Approach for Continuous-Time System With Unknown Internal States. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 683-694.	9.5	205
175	A Novel Energy Function-Based Stability Evaluation and Nonlinear Control Approach for Energy Internet. <i>IEEE Transactions on Smart Grid</i> , 2017, 8, 1195-1210.	9.0	105
176	Air-Breathing Hypersonic Vehicle Tracking Control Based on Adaptive Dynamic Programming. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 584-598.	11.3	249
177	Manifold-Based Reinforcement Learning via Locally Linear Reconstruction. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 934-947.	11.3	38
178	Data-Driven Tracking Control With Adaptive Dynamic Programming for a Class of Continuous-Time Nonlinear Systems. <i>IEEE Transactions on Cybernetics</i> , 2017, 47, 1460-1470.	9.5	147
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