Wendong Xiao

List of Publications by Year
in descending order

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81	1,651	331538	302012
papers	citations	21 h-index	39 g-index

81	81	81	1329
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Energy-Efficient Distributed Adaptive Multisensor Scheduling for Target Tracking in Wireless Sensor Networks. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 1886-1896.	2.4	202
2	Non-iterative and Fast Deep Learning: Multilayer Extreme Learning Machines. Journal of the Franklin Institute, 2020, 357, 8925-8955.	1.9	139
3	Adaptive Dynamic Programming for a Class of Complex-Valued Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1733-1739.	7.2	125
4	Class-specific cost regulation extreme learning machine for imbalanced classification. Neurocomputing, 2017, 261, 70-82.	3.5	124
5	Residual compensation extreme learning machine for regression. Neurocomputing, 2018, 311, 126-136.	3.5	73
6	Electrocardiogram Classification Based on Faster Regions with Convolutional Neural Network. Sensors, 2019, 19, 2558.	2.1	62
7	Optimal TDOA Sensor-Pair Placement With Uncertainty in Source Location. IEEE Transactions on Vehicular Technology, 2016, 65, 9260-9271.	3.9	54
8	A Novel Online Sequential Extreme Learning Machine for Gas Utilization Ratio Prediction in Blast Furnaces. Sensors, 2017, 17, 1847.	2.1	53
9	Data-Driven Multiobjective Optimization for Burden Surface in Blast Furnace With Feedback Compensation. IEEE Transactions on Industrial Informatics, 2020, 16, 2233-2244.	7.2	51
10	Energy-efficient adaptive sensor scheduling for target tracking in wireless sensor networks. Journal of Control Theory and Applications, 2010, 8, 86-92.	0.8	48
11	Device-Free Localization via an Extreme Learning Machine with Parameterized Geometrical Feature Extraction. Sensors, 2017, 17, 879.	2.1	43
12	Fusion of Inertial/Magnetic Sensor Measurements and Map Information for Pedestrian Tracking. Sensors, 2017, 17, 340.	2.1	38
13	Decentralized TDOA Sensor Pairing in Multihop Wireless Sensor Networks. IEEE Signal Processing Letters, 2013, 20, 181-184.	2.1	34
14	The Prediction of the Gas Utilization Ratio based on TS Fuzzy Neural Network and Particle Swarm Optimization. Sensors, 2018, 18, 625.	2.1	33
15	Multilayer probability extreme learning machine for device-free localization. Neurocomputing, 2020, 396, 383-393.	3.5	32
16	A Novel Hybrid Algorithm Based on Grey Wolf Optimizer and Fireworks Algorithm. Sensors, 2020, 20, 2147.	2.1	27
17	The Exploration/Exploitation Tradeoff in Whale Optimization Algorithm. IEEE Access, 2019, 7, 125919-125928.	2.6	26
18	Data and Knowledge Twin Driven Integration for Large-Scale Device-Free Localization. IEEE Internet of Things Journal, 2021, 8, 320-331.	5.5	26

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19	Multistep Prediction-Based Adaptive Dynamic Programming Sensor Scheduling Approach for Collaborative Target Tracking in Energy Harvesting Wireless Sensor Networks. IEEE Transactions on Automation Science and Engineering, 2021, 18, 693-704.	3.4	26
20	Nonlinear Optimization-Based Device-Free Localization with Outlier Link Rejection. Sensors, 2015, 15, 8072-8087.	2.1	25
21	Robust extreme learning machine for modeling with unknown noise. Journal of the Franklin Institute, 2020, 357, 9885-9908.	1.9	24
22	Energy-Based Acoustic Source Localization Methods: A Survey. Sensors, 2017, 17, 376.	2.1	22
23	A Soft Sensing Scheme of Gas Utilization Ratio Prediction for Blast Furnace Via Improved Extreme Learning Machine. Neural Processing Letters, 2019, 50, 1191-1213.	2.0	21
24	Prediction model of hot metal temperature for blast furnace based on improved multi-layer extreme learning machine. International Journal of Machine Learning and Cybernetics, 2019, 10, 2739-2752.	2.3	20
25	Multi-objective optimal control for a class of nonlinear time-delay systems via adaptive dynamic programming. Soft Computing, 2013, 17, 2109-2115.	2.1	19
26	Large-scale WiFi indoor localization via extreme learning machine. , 2017, , .		18
27	A new self-learning optimal control laws for a class of discrete-time nonlinear systems based on ESN architecture. Science China Information Sciences, 2014, 57, 1-10.	2.7	17
28	Parallel one-class extreme learning machine for imbalance learning based on Bayesian approach. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	17
29	Neural-network-based approach to finite-time optimal control for a class of unknown nonlinear systems. Soft Computing, 2014, 18, 1645-1653.	2.1	16
30	ADP-based optimal sensor scheduling for target tracking in energy harvesting wireless sensor networks. Neural Computing and Applications, 2016, 27, 1543-1551.	3.2	16
31	Integrated Multiple Kernel Learning for Device-Free Localization in Cluttered Environments Using Spatiotemporal Information. IEEE Internet of Things Journal, 2021, 8, 4749-4761.	5.5	16
32	Multi-objective optimization-based adaptive class-specific cost extreme learning machine for imbalanced classification. Neurocomputing, 2022, 496, 107-120.	3.5	16
33	Daily Human Physical Activity Recognition Based on Kernel Discriminant Analysis and Extreme Learning Machine. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	14
34	Data-driven prediction model for adjusting burden distribution matrix of blast furnace based on improved multilayer extreme learning machine. Soft Computing, 2018, 22, 3575-3589.	2.1	14
35	Communication Aware Optimal Sensor Motion Coordination for Source Localization. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2505-2514.	2.4	13
36	Alumina Concentration Detection Based on the Kernel Extreme Learning Machine. Sensors, 2017, 17, 2002.	2.1	13

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37	Quantitative Assessment of Autonomic Regulation of the Cardiac System. Journal of Healthcare Engineering, 2019, 2019, 1-8.	1.1	9
38	Adaptive online sequential extreme learning machine for dynamic modeling. Soft Computing, 2021, 25, 2177-2189.	2.1	9
39	Extreme Learning Machine for Heartbeat Classification with Hybrid Time-Domain and Wavelet Time-Frequency Features. Journal of Healthcare Engineering, 2021, 2021, 1-12.	1.1	9
40	Advertisement Click-Through Rate Prediction Based on the Weighted-ELM and Adaboost Algorithm. Scientific Programming, 2017, 2017, 1-8.	0.5	8
41	Dual ensemble online modeling for dynamic estimation of hot metal silicon content in blast furnace system. ISA Transactions, 2022, 128, 686-697.	3.1	8
42	Adaptive platoon control for nonlinear vehicular systems with asymmetric input deadzone and inter-vehicular spacing constraints. , 2017, , .		7
43	A Modified Residual Extreme Learning Machine Algorithm and Its Application. IEEE Access, 2018, 6, 62215-62223.	2.6	7
44	A Hierarchical Extreme Learning Machine Algorithm for Advertisement Click-Through Rate Prediction. IEEE Access, 2018, 6, 50641-50647.	2.6	7
45	Multi-sensor scheduling for target tracking based on constrained ADP in energy harvesting WSN. , 2018, , .		5
46	Kullbackâ€“Leibler Divergence Based Probabilistic Approach for Device-Free Localization Using Channel State Information. Sensors, 2019, 19, 4783.	2.1	5
47	Improved Deep Q-Network for User-Side Battery Energy Storage Charging and Discharging Strategy in Industrial Parks. Entropy, 2021, 23, 1311.	1.1	5
48	Attention-Shared Multi-Agent Actorâ€“Critic-Based Deep Reinforcement Learning Approach for Mobile Charging Dynamic Scheduling in Wireless Rechargeable Sensor Networks. Entropy, 2022, 24, 965.	1.1	5
49	Multi-step Sensor Scheduling for Energy-Efficient High-Accuracy Collaborative Target Tracking in Wireless Sensor Networks. , 2013, , .		4
50	Adaptive Dynamic Programming-Based Multi-Sensor Scheduling for Collaborative Target Tracking in Energy Harvesting Wireless Sensor Networks. Sensors, 2018, 18, 4090.	2.1	4
51	Optimal Energy-Storage Configuration for Microgrids Based on SOH Estimation and Deep Q-Network. Entropy, 2022, 24, 630.	1.1	4
52	A Novel Human Motion Tracking Approach Based on a Wireless Sensor Network. International Journal of Distributed Sensor Networks, 2013, 9, 636052.	1.3	3
53	Optimal tracking control for a class of continuous time complex-valued systems based on adaptive dynamic programming algorithm. , 2014, , .		3
54	Adaptive Dynamic Programming for Multi-Point Scheduling in Energy Harvesting Wireless Sensor Networks. , 2015, , .		3

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55	Sequential Geometric Approach for Device-Free Localization with Outlier Link Rejection. Mathematical Problems in Engineering, 2015, 2015, 1-8.	0.6	3
56	Blast furnace condition data clustering based on combination of T-distributed stochastic neighbor embedding and spectral clustering. , 2019, , .		3
57	Self-learning sensor scheduling for target tracking in wireless sensor networks based on adaptive dynamic programming. , 2012, , .		2
58	Sensor selection for random field estimation in wireless sensor networks. Journal of Systems Science and Complexity, 2012, 25, 46-59.	1.6	2
59	Off-policy neuro-optimal control for unknown complex-valued nonlinear systems based on policy iteration. Neural Computing and Applications, 2017, 28, 1435-1441.	3.2	2
60	Convex feasibility problem based geometric approach for device-free localization. , 2017, , .		2
61	Adaptive Dynamic Programming Based optimization Scheduling for Wireless Mobile Charging. , 2019, , .		2
62	ML-WiGR: a meta-learning-based approach for cross-domain device-free gesture recognition. Soft Computing, 2022, 26, 6145-6155.	2.1	2
63	Sensor placement in heterogeneous sensor networks. , 2012, , .		1
64	Optimal control for a class of nonlinear system with controller constraints based on finite-approximation-errors ADP algorithm. , 2013, , .		1
65	Device-free localization with outlier intersection rejection. , 2014, , .		1
66	Wireless indoor positioning based on filtering algorithm. , 2014, , .		1
67	Finite-Horizon Adaptive Dynamic Programming for Collaborative Target Tracking in Energy Harvesting Wireless Sensor Networks. , 2019, , .		1
68	Modeling of Generative Mechanism from Burden Surface to Burden Distribution Matrix. , 2019, , .		1
69	Joint Matrix Factorization: A Novel Approach for Recommender System. IEEE Access, 2020, 8, 224596-224607.	2.6	1
70	Device-Free Localization Using Extreme Learning Machine with DTW based Feature Extraction. , 2021, , .		1
71	Adaptive Dynamic Programming Approach for Micro-grid Optimal Energy Transmission Scheduling. , 2020, , .		1
72	Multi-perspective Identification Method Based on Kernel Canonical Correlation Analysis. , 2020, , .		1

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73	Used-Car Price Evaluation Using Mean Encoding and PCA based DeepFM. , 2021, , .		1
74	Robust stabilization of multiple coupled networked control system via jump linear system approach. , 2012, , .		0
75	IMM Filter Based Human Tracking Using a Distributed Wireless Sensor Network. Mathematical Problems in Engineering, 2014, 2014, 1-8.	0.6	0
76	Resource-Constrained Signal Processing in Sensor Networks. Mathematical Problems in Engineering, 2014, 2014, 1-2.	0.6	0
77	Quality of estimation guaranteed energy efficient sensor selection in wireless sensor networks. , 2014, , .		0
78	Nearly optimal tracking control for continuous time nonlinear systems using a policy iteration based HJB approach. , 2015, , .		0
79	Gait Detection using a Single Accelerometer. , 2019, , .		0
80	Recognition of Mild Cognitive Impairment in the Elderly Based on Machine Learning. , 2021, , .		0
81	Reference Database Expansion for Deep Belief Network based CSI Device-Free Localization. , 2021, , .		0