

# Wendong Xiao

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64

papers

987

citations

16

h-index

29

g-index

81

ext. papers

1,340

ext. citations

3.9

avg, IF

5.01

L-index

#	Paper	IF	Citations
64	. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2009</b> , 58, 1886-1896	5.2	156
63	Adaptive Dynamic Programming for a Class of Complex-Valued Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 1733-1739	10.3	106
62	Class-specific cost regulation extreme learning machine for imbalanced classification. <i>Neurocomputing</i> , <b>2017</b> , 261, 70-82	5.4	76
61	Residual compensation extreme learning machine for regression. <i>Neurocomputing</i> , <b>2018</b> , 311, 126-136	5.4	43
60	Optimal TDOA Sensor-Pair Placement With Uncertainty in Source Location. <i>IEEE Transactions on Vehicular Technology</i> , <b>2016</b> , 65, 9260-9271	6.8	38
59	Non-iterative and Fast Deep Learning: Multilayer Extreme Learning Machines. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 8925-8955	4	36
58	A Novel Online Sequential Extreme Learning Machine for Gas Utilization Ratio Prediction in Blast Furnaces. <i>Sensors</i> , <b>2017</b> , 17,	3.8	36
57	Device-Free Localization via an Extreme Learning Machine with Parameterized Geometrical Feature Extraction. <i>Sensors</i> , <b>2017</b> , 17,	3.8	31
56	Electrocardiogram Classification Based on Faster Regions with Convolutional Neural Network. <i>Sensors</i> , <b>2019</b> , 19,	3.8	30
55	Fusion of Inertial/Magnetic Sensor Measurements and Map Information for Pedestrian Tracking. <i>Sensors</i> , <b>2017</b> , 17,	3.8	30
54	Energy-efficient adaptive sensor scheduling for target tracking in wireless sensor networks. <i>Journal of Control Theory and Applications</i> , <b>2010</b> , 8, 86-92		30
53	Decentralized TDOA Sensor Pairing in Multihop Wireless Sensor Networks. <i>IEEE Signal Processing Letters</i> , <b>2013</b> , 20, 181-184	3.2	27
52	Data-Driven Multiobjective Optimization for Burden Surface in Blast Furnace With Feedback Compensation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 2233-2244	11.9	22
51	The Prediction of the Gas Utilization Ratio based on TS Fuzzy Neural Network and Particle Swarm Optimization. <i>Sensors</i> , <b>2018</b> , 18,	3.8	21
50	Nonlinear optimization-based device-free localization with outlier link rejection. <i>Sensors</i> , <b>2015</b> , 15, 8072-88	3.8	17
49	Multilayer probability extreme learning machine for device-free localization. <i>Neurocomputing</i> , <b>2020</b> , 396, 383-393	5.4	17
48	Data and Knowledge Twin Driven Integration for Large-Scale Device-Free Localization. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 320-331	10.7	16

47	Multi-objective optimal control for a class of nonlinear time-delay systems via adaptive dynamic programming. <i>Soft Computing</i> , <b>2013</b> , 17, 2109-2115	3.5	15
46	Energy-Based Acoustic Source Localization Methods: A Survey. <i>Sensors</i> , <b>2017</b> , 17,	3.8	15
45	ADP-based optimal sensor scheduling for target tracking in energy harvesting wireless sensor networks. <i>Neural Computing and Applications</i> , <b>2016</b> , 27, 1543-1551	4.8	14
44	. <i>IEEE Access</i> , <b>2019</b> , 7, 125919-125928	3.5	13
43	A new self-learning optimal control laws for a class of discrete-time nonlinear systems based on ESN architecture. <i>Science China Information Sciences</i> , <b>2014</b> , 57, 1-10	3.4	13
42	A Novel Hybrid Algorithm Based on Grey Wolf Optimizer and Fireworks Algorithm. <i>Sensors</i> , <b>2020</b> , 20,	3.8	12
41	Neural-network-based approach to finite-time optimal control for a class of unknown nonlinear systems. <i>Soft Computing</i> , <b>2014</b> , 18, 1645-1653	3.5	12
40	Parallel one-class extreme learning machine for imbalance learning based on Bayesian approach. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2018</b> , 1	3.7	12
39	Robust extreme learning machine for modeling with unknown noise. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 9885-9908	4	11
38	Large-scale WiFi indoor localization via extreme learning machine <b>2017</b> ,		10
37	Daily Human Physical Activity Recognition Based on Kernel Discriminant Analysis and Extreme Learning Machine. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-8	1.1	10
36	A Soft Sensing Scheme of Gas Utilization Ratio Prediction for Blast Furnace Via Improved Extreme Learning Machine. <i>Neural Processing Letters</i> , <b>2019</b> , 50, 1191-1213	2.4	10
35	. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 4749-4761	10.7	10
34	Communication Aware Optimal Sensor Motion Coordination for Source Localization. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2016</b> , 65, 2505-2514	5.2	9
33	Data-driven prediction model for adjusting burden distribution matrix of blast furnace based on improved multilayer extreme learning machine. <i>Soft Computing</i> , <b>2018</b> , 22, 3575-3589	3.5	8
32	Alumina Concentration Detection Based on the Kernel Extreme Learning Machine. <i>Sensors</i> , <b>2017</b> , 17,	3.8	6
31	Multistep Prediction-Based Adaptive Dynamic Programming Sensor Scheduling Approach for Collaborative Target Tracking in Energy Harvesting Wireless Sensor Networks. <i>IEEE Transactions on Automation Science and Engineering</i> , <b>2021</b> , 18, 693-704	4.9	6
30	. <i>IEEE Access</i> , <b>2018</b> , 6, 50641-50647	3.5	6

29	Multi-sensor scheduling for target tracking based on constrained ADP in energy harvesting WSN <b>2018,</b>		5
28	Prediction model of hot metal temperature for blast furnace based on improved multi-layer extreme learning machine. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2019</b> , 10, 2739-2752 <sup>3,8</sup>		5
27	. <i>IEEE Access</i> , <b>2018</b> , 6, 62215-62223	3.5	5
26	Quantitative Assessment of Autonomic Regulation of the Cardiac System. <i>Journal of Healthcare Engineering</i> , <b>2019</b> , 2019, 4501502	3.7	4
25	Adaptive online sequential extreme learning machine for dynamic modeling. <i>Soft Computing</i> , <b>2021</b> , 25, 2177-2189	3.5	4
24	Optimal tracking control for a class of continuous time complex-valued systems based on adaptive dynamic programming algorithm <b>2014,</b>		3
23	A Novel Human Motion Tracking Approach Based on a Wireless Sensor Network. <i>International Journal of Distributed Sensor Networks</i> , <b>2013</b> , 9, 636052	1.7	3
22	Multi-step Sensor Scheduling for Energy-Efficient High-Accuracy Collaborative Target Tracking in Wireless Sensor Networks <b>2013,</b>		3
21	Extreme Learning Machine for Heartbeat Classification with Hybrid Time-Domain and Wavelet Time-Frequency Features. <i>Journal of Healthcare Engineering</i> , <b>2021</b> , 2021, 6674695	3.7	3
20	Multi-objective optimization-based adaptive class-specific cost extreme learning machine for imbalanced classification. <i>Neurocomputing</i> , <b>2022</b> , 496, 107-120	5.4	3
19	Advertisement Click-Through Rate Prediction Based on the Weighted-ELM and Adaboost Algorithm. <i>Scientific Programming</i> , <b>2017</b> , 2017, 1-8	1.4	2
18	Kullback-Leibler Divergence Based Probabilistic Approach for Device-Free Localization Using Channel State Information. <i>Sensors</i> , <b>2019</b> , 19,	3.8	2
17	Adaptive platoon control for nonlinear vehicular systems with asymmetric input deadzone and inter-vehicular spacing constraints <b>2017,</b>		2
16	Adaptive Dynamic Programming for Multi-Point Scheduling in Energy Harvesting Wireless Sensor Networks <b>2015,</b>		2
15	Sequential Geometric Approach for Device-Free Localization with Outlier Link Rejection. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-8	1.1	2
14	Self-learning sensor scheduling for target tracking in wireless sensor networks based on adaptive dynamic programming <b>2012,</b>		2
13	Adaptive Dynamic Programming-Based Multi-Sensor Scheduling for Collaborative Target Tracking in Energy Harvesting Wireless Sensor Networks. <i>Sensors</i> , <b>2018</b> , 18,	3.8	2
12	Off-policy neuro-optimal control for unknown complex-valued nonlinear systems based on policy iteration. <i>Neural Computing and Applications</i> , <b>2017</b> , 28, 1435-1441	4.8	1

11	Sensor selection for random field estimation in wireless sensor networks. <i>Journal of Systems Science and Complexity</i> , <b>2012</b> , 25, 46-59	1	1
10	Sensor placement in heterogeneous sensor networks <b>2012</b> ,		1
9	Improved Deep Q-Network for User-Side Battery Energy Storage Charging and Discharging Strategy in Industrial Parks. <i>Entropy</i> , <b>2021</b> , 23,	2.8	1
8	Joint Matrix Factorization: A Novel Approach for Recommender System. <i>IEEE Access</i> , <b>2020</b> , 8, 224596-224607	3.5	1
7	Blast furnace condition data clustering based on combination of T-distributed stochastic neighbor embedding and spectral clustering <b>2019</b> ,		1
6	Finite-Horizon Adaptive Dynamic Programming for Collaborative Target Tracking in Energy Harvesting Wireless Sensor Networks <b>2019</b> ,		1
5	Adaptive Dynamic Programming Based optimization Scheduling for Wireless Mobile Charging <b>2019</b> ,		1
4	ML-WiGR: a meta-learning-based approach for cross-domain device-free gesture recognition. <i>Soft Computing</i> ,1	3.5	1
3	Optimal Energy-Storage Configuration for Microgrids Based on SOH Estimation and Deep Q-Network. <i>Entropy</i> , <b>2022</b> , 24, 630	2.8	0
2	IMM Filter Based Human Tracking Using a Distributed Wireless Sensor Network. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-8	1.1	
1	Resource-Constrained Signal Processing in Sensor Networks. <i>Mathematical Problems in Engineering</i> , <b>2014</b> , 2014, 1-2	1.1	