

Wenbo Zhang

List of Publications by Year in descending order

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53
papers

1,462
citations

304743

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315739

38
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53
all docs

53
docs citations

53
times ranked

1373
citing authors

#	ARTICLE	IF	CITATIONS
1	A Stratification-Based Data Collection Scheme in Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 10671-10682.	6.3	108
2	A Disaster Management-Oriented Path Planning for Mobile Anchor Node-Based Localization in Wireless Sensor Networks. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 115-125.	4.6	99
3	A High-Availability Data Collection Scheme based on Multi-AUVs for Underwater Sensor Networks. IEEE Transactions on Mobile Computing, 2020, 19, 1010-1022.	5.8	91
4	A Joint Energy Replenishment and Data Collection Algorithm in Wireless Rechargeable Sensor Networks. IEEE Internet of Things Journal, 2018, 5, 2596-2604.	8.7	87
5	A source location protection protocol based on dynamic routing in WSNs for the Social Internet of Things. Future Generation Computer Systems, 2018, 82, 689-697.	7.5	81
6	A Node Location Algorithm Based on Node Movement Prediction in Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 3166-3178.	6.3	76
7	An AUV Location Prediction-Based Data Collection Scheme for Underwater Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 6037-6049.	6.3	72
8	E2HRC: An Energy-Efficient Heterogeneous Ring Clustering Routing Protocol for Wireless Sensor Networks. IEEE Access, 2017, 5, 1702-1713.	4.2	71
9	An Uneven Cluster-Based Mobile Charging Algorithm for Wireless Rechargeable Sensor Networks. IEEE Systems Journal, 2019, 13, 3747-3758.	4.6	70
10	CPSLP: A Cloud-Based Scheme for Protecting Source Location Privacy in Wireless Sensor Networks Using Multi-Sinks. IEEE Transactions on Vehicular Technology, 2019, 68, 2739-2750.	6.3	55
11	An Improved Ant Colony Algorithm for Path Planning in One Scenic Area With Many Spots. IEEE Access, 2017, 5, 13260-13269.	4.2	51
12	A BP Neural Network Prediction Model Based on Dynamic Cuckoo Search Optimization Algorithm for Industrial Equipment Fault Prediction. IEEE Access, 2019, 7, 11736-11746.	4.2	50
13	LDC: A lightweight data consensus algorithm based on the blockchain for the industrial Internet of Things for smart city applications. Future Generation Computer Systems, 2020, 108, 574-582.	7.5	48
14	An Energy Efficient and QoS Aware Routing Algorithm Based on Data Classification for Industrial Wireless Sensor Networks. IEEE Access, 2018, 6, 46495-46504.	4.2	41
15	A Coverage-Aware Hierarchical Charging Algorithm in Wireless Rechargeable Sensor Networks. IEEE Network, 2019, 33, 201-207.	6.9	36
16	A Multicharger Cooperative Energy Provision Algorithm Based on Density Clustering in the Industrial Internet of Things. IEEE Internet of Things Journal, 2019, 6, 9165-9174.	8.7	34
17	A Probabilistic Source Location Privacy Protection Scheme in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 5917-5927.	6.3	33
18	An Energy-Efficient Ring Cross-Layer Optimization Algorithm for Wireless Sensor Networks. IEEE Access, 2018, 6, 16588-16598.	4.2	31

#	ARTICLE	IF	CITATIONS
19	IGRC: An improved grid-based joint routing and charging algorithm for wireless rechargeable sensor networks. <i>Future Generation Computer Systems</i> , 2019, 92, 837-845.	7.5	28
20	A Cluster Sleep-Wake Scheduling Algorithm Based on 3D Topology Control in Underwater Sensor Networks. <i>Sensors</i> , 2019, 19, 156.	3.8	24
21	A Malware Detection Method of Code Texture Visualization Based on an Improved Faster RCNN Combining Transfer Learning. <i>IEEE Access</i> , 2020, 8, 166630-166641.	4.2	24
22	A Data Set Accuracy Weighted Random Forest Algorithm for IoT Fault Detection Based on Edge Computing and Blockchain. <i>IEEE Internet of Things Journal</i> , 2021, 8, 2354-2363.	8.7	24
23	QSDN-WISE: A New QoS-Based Routing Protocol for Software-Defined Wireless Sensor Networks. <i>IEEE Access</i> , 2019, 7, 61070-61082.	4.2	22
24	A dynamic ring-based routing scheme for source location privacy in wireless sensor networks. <i>Information Sciences</i> , 2019, 504, 308-323.	6.9	19
25	A source location privacy protection scheme based on ring-loop routing for the IoT. <i>Computer Networks</i> , 2019, 148, 142-150.	5.1	19
26	Probabilistic Neighborhood Location-Point Covering Set-Based Data Collection Algorithm With Obstacle Avoidance for Three-Dimensional Underwater Acoustic Sensor Networks. <i>IEEE Access</i> , 2017, 5, 24785-24796.	4.2	18
27	Probabilistic Neighborhood-Based Data Collection Algorithms for 3D Underwater Acoustic Sensor Networks. <i>Sensors</i> , 2017, 17, 316.	3.8	17
28	A Newborn Particle Swarm Optimization Algorithm for Charging-Scheduling Algorithm in Industrial Rechargeable Sensor Networks. <i>IEEE Sensors Journal</i> , 2020, 20, 11014-11027.	4.7	15
29	A Classification Detection Algorithm Based on Joint Entropy Vector against Application-Layer DDoS Attack. <i>Security and Communication Networks</i> , 2018, 2018, 1-8.	1.5	14
30	MCRA: A Multi-Charger Cooperation Recharging Algorithm Based on Area Division for WSNs. <i>IEEE Access</i> , 2017, 5, 15380-15389.	4.2	12
31	Diffusion Distance-Based Predictive Tracking for Continuous Objects in Industrial Wireless Sensor Networks. <i>Mobile Networks and Applications</i> , 2019, 24, 971-982.	3.3	12
32	A load-adaptive fair access protocol for MAC in underwater acoustic sensor networks. <i>Journal of Network and Computer Applications</i> , 2021, 173, 102867.	9.1	12
33	An Algorithm for Detection of Traffic Attribute Exceptions Based on Cluster Algorithm in Industrial Internet of Things. <i>IEEE Access</i> , 2021, 9, 53370-53378.	4.2	11
34	SFPAG-R: A Reliable Routing Algorithm Based on Sealed First-Price Auction Games for Industrial Internet of Things Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 5016-5027.	6.3	10
35	A Novel Method for Node Fault Detection Based on Clustering in Industrial Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2015, 11, 230521.	2.2	10
36	A Survivability Clustering Algorithm for Ad Hoc Network Based on a Small-World Model. <i>Wireless Personal Communications</i> , 2015, 84, 1835-1854.	2.7	8

#	ARTICLE	IF	CITATIONS
37	A Coverage Vulnerability Repair Algorithm Based on Clustering in Underwater Wireless Sensor Networks. <i>Mobile Networks and Applications</i> , 2021, 26, 1107-1121.	3.3	7
38	A Policy Based Wireless Sensor Network Management Architecture. , 2010, , .		4
39	Large-scale fire rescue in wearable wireless sensor networks: A hole processing and trust value-based mobile adaptive routing algorithm. <i>International Journal of Communication Systems</i> , 2020, 33, e4543.	2.5	4
40	CTRA: A complex terrain region-avoidance charging algorithm in Smart World. <i>Journal of Network and Computer Applications</i> , 2020, 151, 102311.	9.1	3
41	An Algorithm for Resisting WiFi Interference in ZigBee. , 2017, , .		2
42	Multi-channel allocation algorithm based on congestion avoidance in wearable wireless sensor network. , 2018, , .		2
43	Body-to-Body Network Routing Algorithm Based on Link Comprehensive Stability. , 2019, , .		2
44	Window Adaptive Backoff Algorithm Basing on Statistical Priority-based Multiple Access Protocol. , 2021, , .		2
45	A Clustering Algorithm Based on MEXCLP for Wireless Sensor Network. , 2010, , .		1
46	High-priority assignment first dynamic wavelength and bandwidth allocation algorithm in TWDM-PON. , 2017, , .		1
47	Topology Variable Routing Algorithm for WWSN in Disaster Rescue. , 2019, , .		1
48	Research on the Policy-Based Satellite Network Management. , 2010, , .		0
49	Research on the architecture of policy-based satellite integrated information network management. , 2010, , .		0
50	Design of Communication Primitives for Satellites Networks Management. , 2010, , .		0
51	A Satellite Network Fault Detection Method. , 2010, , .		0
52	Design of the Reduced Encoding Rule for Wireless Sensor Networks Management. , 2011, , .		0
53	Design and Implementation of Manage System for Scientific Technology Projection. , 2017, , .		0