

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
g-index

53
all docs

53
docs citations

53
times ranked

1373
citing authors

#	ARTICLE	IF	CITATIONS
1	A load-adaptive fair access protocol for MAC in underwater acoustic sensor networks. Journal of Network and Computer Applications, 2021, 173, 102867.	9.1	12
2	A Coverage Vulnerability Repair Algorithm Based on Clustering in Underwater Wireless Sensor Networks. Mobile Networks and Applications, 2021, 26, 1107-1121.	3.3	7
3	An Algorithm for Detection of Traffic Attribute Exceptions Based on Cluster Algorithm in Industrial Internet of Things. IEEE Access, 2021, 9, 53370-53378.	4.2	11
4	A Data Set Accuracy Weighted Random Forest Algorithm for IoT Fault Detection Based on Edge Computing and Blockchain. IEEE Internet of Things Journal, 2021, 8, 2354-2363.	8.7	24
5	SFPAG-R: A Reliable Routing Algorithm Based on Sealed First-Price Auction Games for Industrial Internet of Things Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 5016-5027.	6.3	10
6	Window Adaptive Backoff Algorithm Basing on Statistical Priority-based Multiple Access Protocol. , 2021, , .		2
7	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
8	CTRA: A complex terrain region-avoidance charging algorithm in Smart World. Journal of Network and Computer Applications, 2020, 151, 102311.	9.1	3
9	A High-Availability Data Collection Scheme based on Multi-ALIVs for Underwater Sensor Networks. IEEE Transactions on Mobile Computing, 2020, 19, 1010-1022.	5.8	91
10	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
11	Large-scale fire rescue in wearable wireless sensor networks: A hole processing and trust value-based mobile adaptive routing algorithm. International Journal of Communication Systems, 2020, 33, e4543.	2.5	4
12	A Malware Detection Method of Code Texture Visualization Based on an Improved Faster RCNN Combining Transfer Learning. IEEE Access, 2020, 8, 166630-166641.	4.2	24
13	A Newborn Particle Swarm Optimization Algorithm for Charging-Scheduling Algorithm in Industrial Rechargeable Sensor Networks. IEEE Sensors Journal, 2020, 20, 11014-11027.	4.7	15
14	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
15	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
16	A dynamic ring-based routing scheme for source location privacy in wireless sensor networks. Information Sciences, 2019, 504, 308-323.	6.9	19
17	Body-to-Body Network Routing Algorithm Based on Link Comprehensive Stability. , 2019, , .		2
18	Topology Variable Routing Algorithm for WWSN in Disaster Rescue. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	QSDN-WISE: A New QoS-Based Routing Protocol for Software-Defined Wireless Sensor Networks. IEEE Access, 2019, 7, 61070-61082.	4.2	22
20	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
21	A Probabilistic Source Location Privacy Protection Scheme in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 5917-5927.	6.3	33
22	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
23	A source location privacy protection scheme based on ring-loop routing for the IoT. Computer Networks, 2019, 148, 142-150.	5.1	19
24	An Uneven Cluster-Based Mobile Charging Algorithm for Wireless Rechargeable Sensor Networks. IEEE Systems Journal, 2019, 13, 3747-3758.	4.6	70
25	A Coverage-Aware Hierarchical Charging Algorithm in Wireless Rechargeable Sensor Networks. IEEE Network, 2019, 33, 201-207.	6.9	36
26	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
27	A Cluster Sleep-Wake Scheduling Algorithm Based on 3D Topology Control in Underwater Sensor Networks. Sensors, 2019, 19, 156.	3.8	24
28	IGRC: An improved grid-based joint routing and charging algorithm for wireless rechargeable sensor networks. Future Generation Computer Systems, 2019, 92, 837-845.	7.5	28
29	Diffusion Distance-Based Predictive Tracking for Continuous Objects in Industrial Wireless Sensor Networks. Mobile Networks and Applications, 2019, 24, 971-982.	3.3	12
30	An Energy-Efficient Ring Cross-Layer Optimization Algorithm for Wireless Sensor Networks. IEEE Access, 2018, 6, 16588-16598.	4.2	31
31	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
32	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
33	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
34	A Classification Detection Algorithm Based on Joint Entropy Vector against Application-Layer DDoS Attack. Security and Communication Networks, 2018, 2018, 1-8.	1.5	14
35	A Stratification-Based Data Collection Scheme in Underwater Acoustic Sensor Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 10671-10682.	6.3	108
36	Multi-channel allocation algorithm based on congestion avoidance in wearable wireless sensor network. , 2018, , .		2

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37	E2HRC: An Energy-Efficient Heterogeneous Ring Clustering Routing Protocol for Wireless Sensor Networks. IEEE Access, 2017, 5, 1702-1713.	4.2	71
38	MCRA: A Multi-Charger Cooperation Recharging Algorithm Based on Area Division for WSNs. IEEE Access, 2017, 5, 15380-15389.	4.2	12
39	An Improved Ant Colony Algorithm for Path Planning in One Scenic Area With Many Spots. IEEE Access, 2017, 5, 13260-13269.	4.2	51
40	Probabilistic Neighborhood Location-Point Covering Set-Based Data Collection Algorithm With Obstacle Avoidance for Three-Dimensional Underwater Acoustic Sensor Networks. IEEE Access, 2017, 5, 24785-24796.	4.2	18
41	An Algorithm for Resisting WiFi Interference in ZigBee. , 2017, , .		2
42	High-priority assignment first dynamic wavelength and bandwidth allocation algorithm in TWDM-PON. , 2017, , .		1
43	Design and Implementation of Manage System for Scientific Technology Projection. , 2017, , .		0
44	Probabilistic Neighborhood-Based Data Collection Algorithms for 3D Underwater Acoustic Sensor Networks. Sensors, 2017, 17, 316.	3.8	17
45	A Survivability Clustering Algorithm for Ad Hoc Network Based on a Small-World Model. Wireless Personal Communications, 2015, 84, 1835-1854.	2.7	8
46	A Novel Method for Node Fault Detection Based on Clustering in Industrial Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 230521.	2.2	10
47	Design of the Reduced Encoding Rule for Wireless Sensor Networks Management. , 2011, , .		0
48	A Clustering Algorithm Based on MEXCLP for Wireless Sensor Network. , 2010, , .		1
49	Research on the Policy-Based Satellite Network Management. , 2010, , .		0
50	Research on the architecture of policy-based satellite integrated information network management. , 2010, , .		0
51	Design of Communication Primitives for Satellites Networks Management. , 2010, , .		0
52	A Policy Based Wireless Sensor Network Management Architecture. , 2010, , .		4
53	A Satellite Network Fault Detection Method. , 2010, , .		0