Rongbo Zhu

List of Publications by Year
in descending order

68	1,024	394421	477307
papers	citations	19 h-index	29 g-index

70	70	70	1151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Congestion prediction for smart sustainable cities using IoT and machine learning approaches. Sustainable Cities and Society, 2021, 64, 102500.	10.4	88
2	ERDT: Energy-Efficient Reliable Decision Transmission for Intelligent Cooperative Spectrum Sensing in Industrial IoT. IEEE Access, 2015, 3, 2366-2378.	4.2	72
3	Robotic Automated External Defibrillator Ambulance for Emergency Medical Service in Smart Cities. IEEE Access, 2016, 4, 268-283.	4.2	65
4	Intelligent data fusion algorithm based on hybrid delay-aware adaptive clustering in wireless sensor networks. Future Generation Computer Systems, 2020, 104, 1-14.	7.5	46
5	A Differentially Private Unscented Kalman Filter for Streaming Data in IoT. IEEE Access, 2018, 6, 6487-6495.	4.2	42
6	Dynamic Spectrum Access Algorithm Based on Game Theory in Cognitive Radio Networks. Mobile Networks and Applications, 2015, 20, 817-827.	3.3	40
7	Node Location Privacy Protection Based on Differentially Private Grids in Industrial Wireless Sensor Networks. Sensors, 2018, 18, 410.	3.8	33
8	Power-Efficient Spatial Reusable Channel Assignment Scheme in WLAN Mesh Networks. Mobile Networks and Applications, 2012, 17, 53-63.	3.3	30
9	An energy-efficient geographic routing protocol design in vehicular ad-hoc network. Computing (Vienna/New York), 2014, 96, 119-131.	4.8	30
10	An Optimal Cross-Layer Framework for Cognitive Radio Network Under Interference Temperature Model. IEEE Systems Journal, 2016, 10, 293-301.	4.6	30
11	Intelligent rate control for supporting real-time traffic in WLAN mesh networks. Journal of Network and Computer Applications, 2011, 34, 1449-1458.	9.1	29
12	Multi-access edge computing enabled internet of things: advances and novel applications. Neural Computing and Applications, 2020, 32, 15313-15316.	5.6	28
13	Energy-Aware Distributed Intelligent Data Gathering Algorithm in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2011, 7, 235724.	2.2	27
14	A Blockchain-Based Two-Stage Secure Spectrum Intelligent Sensing and Sharing Auction Mechanism. IEEE Transactions on Industrial Informatics, 2022, 18, 2773-2783.	11.3	23
15	A Bitcoin Transaction Network Analytic Method for Future Blockchain Forensic Investigation. IEEE Transactions on Network Science and Engineering, 2021, 8, 1230-1241.	6.4	22
16	Improved Kalman filter based differentially private streaming data release in cognitive computing. Future Generation Computer Systems, 2019, 98, 541-549.	7.5	21
17	Edge sensing data-imaging conversion scheme of load forecasting in smart grid. Sustainable Cities and Society, 2020, 62, 102363.	10.4	21
18	Efficient Fault-Tolerant Event Query Algorithm in Distributed Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2010, 6, 593849.	2.2	20

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19	A Review of Automated Formal Verification of Ad Hoc Routing Protocols for Wireless Sensor Networks. Sensor Letters, 2013, 11, 752-764.	0.4	20
20	A Monte Carlo localization method based on differential evolution optimization applied into economic forecasting in mobile wireless sensor networks. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	19
21	Intelligent Collaborative Event Query Algorithm in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2012, 8, 728521.	2.2	18
22	A High Efficient Approach for Power Disturbance Waveform Compression in the View of Heisenberg Uncertainty. IEEE Transactions on Industrial Informatics, 2019, 15, 2580-2591.	11.3	18
23	Electric Signature Detection and Analysis for Power Equipment Failure Monitoring in Smart Grid. IEEE Transactions on Industrial Informatics, 2021, 17, 3739-3750.	11.3	18
24	Enhanced MAC protocol to support multimedia traffic in cognitive wireless mesh networks. Multimedia Tools and Applications, 2013, 67, 269-288.	3.9	17
25	Adaptive Packet Scheduling Scheme to Support Real-time Traffic in WLAN Mesh Networks. KSII Transactions on Internet and Information Systems, 2011, 5, .	0.3	17
26	Intelligent MAC model for traffic scheduling in IEEE 802.11e wireless LANs. Applied Mathematics and Computation, 2008, 205, 109-122.	2.2	13
27	PaperIO: A 3D Interface towards the Internet of Embedded Paper-Craft. IEICE Transactions on Information and Systems, 2014, E97.D, 2597-2605.	0.7	13
28	Recent advances in interference management for wireless networks. IEEE Network, 2015, 29, 83-89.	6.9	12
29	Electromagnetic radiation based continuous authentication in edge computing enabled internet of things. Journal of Systems Architecture, 2019, 96, 53-61.	4.3	12
30	A novel MIMO DoF model for multi-hop networks. IEEE Network, 2014, 28, 81-85.	6.9	11
31	Model-based admission control for IEEE 802.11e enhanced distributed channel access. AEU - International Journal of Electronics and Communications, 2007, 61, 388-397.	2.9	10
32	Link Prediction Based on Deep Convolutional Neural Network. Information (Switzerland), 2019, 10, 172.	2.9	10
33	Cognitive-inspired Computing: Advances and Novel Applications. Future Generation Computer Systems, 2020, 109, 706-709.	7.5	10
34	Early Warning Scheme of COVID-19 related Internet Public Opinion based on RVM-L Model. Sustainable Cities and Society, 2021, 74, 103141.	10.4	10
35	An optimal scheduling framework for concurrent transmissions in wireless cognitive radio networks. Telecommunication Systems, 2015, 60, 169-177.	2.5	8
36	A Scheduling Algorithm for MIMO DoF Allocation in Multi-Hop Networks. IEEE Transactions on Mobile Computing, 2016, 15, 264-277.	5.8	8

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37	A streak detection approach for comprehensive two-dimensional gas chromatography based on image analysis. Neural Computing and Applications, 2020, 32, 649-663.	5.6	7
38	Blockchain-Based Key Management and Green Routing Scheme for Vehicular Named Data Networking. Security and Communication Networks, 2021, 2021, 1-13.	1.5	7
39	Collaborative Wireless Sensor Networks and Applications. International Journal of Distributed Sensor Networks, 2015, 11, 352761.	2.2	7
40	A Cascade Learning Approach for Automated Detection of Locomotive Speed Sensor Using Imbalanced Data in ITS. IEEE Access, 2019, 7, 90851-90862.	4.2	6
41	Intelligent augmented keyword search on spatial entities in real-life internet of vehicles. Future Generation Computer Systems, 2019, 94, 697-711.	7.5	6
42	Fog-Computing-Based Approximate Spatial Keyword Queries With Numeric Attributes in IoV. IEEE Internet of Things Journal, 2020, 7, 4304-4316.	8.7	6
43	RFID-based mobility for seamless personal communication system in cloud computing. Telecommunication Systems, 2015, 58, 233-241.	2.5	5
44	Language model-based automatic prefix abbreviation expansion method for biomedical big data analysis. Future Generation Computer Systems, 2019, 98, 238-251.	7.5	5
45	Fog-Based Pub/Sub Index With Boolean Expressions in the Internet of Industrial Vehicles. IEEE Transactions on Industrial Informatics, 2019, 15, 1629-1642.	11.3	5
46	A 3D Falling Reconstruction System Using Sensor Awareness for Ubiquitous Healthcare. Sensor Letters, 2013, 11, 828-835.	0.4	5
47	Fabric Defect Segmentation System Based on a Lightweight GAN for Industrial Internet of Things. Wireless Communications and Mobile Computing, 2022, 2022, 1-17.	1.2	5
48	A novel distributed air index for efficient spatial query processing in road sensor networks on the air. International Journal of Communication Systems, 2017, 30, e3131.	2.5	4
49	A Special Section in IEEE Access: Cooperative and Intelligent Sensing. IEEE Access, 2017, 5, 27824-27826.	4.2	4
50	Efficient Spatial Keyword Query Processing in the Internet of Industrial Vehicles. Mobile Networks and Applications, 2018, 23, 864-878.	3.3	4
51	Modeling the Dynamic Evolution of the Vehicular Ad Hoc Networks under the City Scenario. International Journal of Distributed Sensor Networks, 2015, 11, 524857.	2.2	4
52	Increasing user throughput in cellular networks with interference alignment. , 2014, , .		3
53	Routing Protocol Design and Performance Optimization in Cognitive Radio Networks. Journal of Networks, 2013, 8, .	0.4	3
54	Adaptive Optimization-based Routing in Wireless Mesh Networks. Wireless Personal Communications, 2011, 56, 403-415.	2.7	2

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55	OFDM-based Interference Alignment in Single-Antenna Cellular Wireless Networks. IEEE Transactions on Communications, 2017, , 1-1.	7.8	2
56	Storage and access optimization scheme based on correlation probabilities in the internet of vehicles. Journal of Intelligent Transportation Systems: Technology, Planning, and Operations, 2020, 24, 221-236.	4.2	2
57	Backup Routing Algorithm Based on Delay Constraint in Cognitive Radio Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 2015, 1-11.	2.2	2
58	Federated Deep Reinforcement Learning-Based Spectrum Access Algorithm With Warranty Contract in Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 1178-1190.	8.0	2
59	Probabilistic CkNN Queries of Uncertain Data in Large Road Networks. IEEE Access, 2016, 4, 8900-8913.	4.2	1
60	Spatial Keyword Query Processing in the Internet of Vehicles. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 1-13.	0.3	1
61	Ieee Access Special Section Editorial: Human-Driven Edge Computing. IEEE Access, 2021, 9, 93948-93953.	4.2	1
62	Edge Sensing-Enabled Multistage Hierarchical Clustering Deredundancy Algorithm in WSNs. Wireless Communications and Mobile Computing, 2021, 2021, 1-14.	1.2	1
63	Sensor Deployment for Full Detection on Delay Tolerant Event in Hybrid Wireless Sensor Networks. Sensor Letters, 2013, 11, 900-909.	0.4	1
64	EIM: An Enforceable Incentive Mechanism for Dynamic Non-cooperative Multi-radio Channel Allocation in Wireless Mobile Networks. Wireless Personal Communications, 2014, 76, 829-851.	2.7	0
65	Home Circuit Sharing for Dynamic Wavelength Assignment in LOBS-Based Datacenter Networks. IEICE Transactions on Information and Systems, 2014, E97.D, 2660-2662.	0.7	0
66	Parameterized Spatio-Textual Publish/Subscribe in Road Sensor Networks. IEEE Access, 2017, 5, 22940-22952.	4.2	0
67	Efficient service discovery in mobile social networks for smart cities. Computing (Vienna/New York), 2021, 103, 183-209.	4.8	0
68	IEEE Access Special Section Editorial: Urban Computing and Intelligence. IEEE Access, 2021, 9, 130690-130697.	4.2	0