

Rong Zheng

List of Publications by Year in descending order

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26
papers

304
citations

1040056

9
h-index

996975

15
g-index

26
all docs

26
docs citations

26
times ranked

249
citing authors

#	ARTICLE	IF	CITATIONS
1	Asynchronous Acoustic Localization and Tracking for Mobile Targets. IEEE Internet of Things Journal, 2020, 7, 830-845.	8.7	33
2	A gray-box model for real-time transient temperature predictions in data centers. Applied Thermal Engineering, 2021, 185, 116319.	6.0	30
3	Ubiquitous Acoustic Sensing on Commodity IoT Devices: A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 432-454.	39.4	29
4	Hybrid surrogate model for online temperature and pressure predictions in data centers. Future Generation Computer Systems, 2021, 114, 531-547.	7.5	24
5	Rethinking Doppler Effect for Accurate Velocity Estimation With Commodity WiFi Devices. IEEE Journal on Selected Areas in Communications, 2022, 40, 2164-2178.	14.0	23
6	ARABIS: An asynchronous acoustic indoor positioning system for mobile devices. , 2017, , .		21
7	TuRF: Fast data collection for fingerprint-based indoor localization. , 2017, , .		18
8	A data-driven approach to simultaneous fault detection and diagnosis in data centers. Applied Soft Computing Journal, 2021, 110, 107638.	7.2	16
9	Boosting Chirp Signal Based Aerial Acoustic Communication Under Dynamic Channel Conditions. IEEE Transactions on Mobile Computing, 2022, 21, 3110-3121.	5.8	12
10	Full-duplex spectrum sensing and access in cognitive radio networks with unknown primary user activities. , 2016, , .		11
11	SST: Software Sonic Thermometer on Acoustic-Enabled IoT Devices. IEEE Transactions on Mobile Computing, 2021, 20, 2067-2079.	5.8	11
12	Towards Robust Multiple Blind Source Localization Using Source Separation and Beamforming. Sensors, 2021, 21, 532.	3.8	11
13	Multi-Robot Path Planning for Mobile Sensing through Deep Reinforcement Learning. , 2021, , .		11
14	Informative Path Planning for Location Fingerprint Collection. IEEE Transactions on Network Science and Engineering, 2020, 7, 1633-1644.	6.4	8
15	Sequential Learning and Decision-Making in Wireless Resource Management. Wireless Networks, 2016, , .	0.5	7
16	On the Effect of Multi-Packet Reception on Redundant Gateways in LoRAWANs. , 2019, , .		7
17	Efficient Wi-Fi Fingerprint Crowdsourcing for Indoor Localization. IEEE Sensors Journal, 2022, 22, 5055-5062.	4.7	7
18	Handling Device Heterogeneity in Wi-Fi based Indoor Positioning Systems. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
19	Portable Electromyography: A Case Study on Ballistic Finger Movement Recognition. IEEE Sensors Journal, 2019, 19, 7043-7055.	4.7	5
20	Acoustic Software Defined Platform: A Versatile Sensing and General Benchmarking Platform. IEEE Transactions on Mobile Computing, 2023, 22, 647-660.	5.8	4
21	Learning-Theoretic Multi-Channel Spectrum Sensing and Access in Full-Duplex Cognitive Radio Networks with Unknown Primary User Activities. IEEE Transactions on Network Science and Engineering, 2019, 6, 885-897.	6.4	3
22	MotionBeep: Enabling Fitness Game for Collocated Players With Acoustic-Enabled IoT Devices. IEEE Internet of Things Journal, 2021, 8, 10755-10765.	8.7	3
23	An Analytical Study of Low Energy Monitoring Networks for Large-Scale Data Centers. , 2020, , .		2
24	Finger Movement Recognition During Ballistic Movements Using Electromyography. , 2017, , .		1
25	Introduction to the Special Section on Learning-Based Modeling, Management, and Control for Computer and Communication Networks. IEEE Transactions on Network Science and Engineering, 2020, 7, 153-154.	6.4	1
26	Optimal Design of LEMoNet for Environmental Monitoring of Data Centers. IEEE Transactions on Green Communications and Networking, 2021, 5, 1820-1832.	5.5	0