Rong Zheng

List of Publications by Year
in descending order

		1040056	996975
26 papers	304 citations	9 h-index	15 g-index
26 all docs	26 docs citations	26 times ranked	249 citing authors

#	Article	IF	Citations
1	Acoustic Software Defined Platform: A Versatile Sensing and General Benchmarking Platform. IEEE Transactions on Mobile Computing, 2023, 22, 647-660.	5.8	4
2	Efficient Wi-Fi Fingerprint Crowdsourcing for Indoor Localization. IEEE Sensors Journal, 2022, 22, 5055-5062.	4.7	7
3	Boosting Chirp Signal Based Aerial Acoustic Communication Under Dynamic Channel Conditions. IEEE Transactions on Mobile Computing, 2022, 21, 3110-3121.	5.8	12
4	Ubiquitous Acoustic Sensing on Commodity IoT Devices: A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 432-454.	39.4	29
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	SST: Software Sonic Thermometer on Acoustic-Enabled IoT Devices. IEEE Transactions on Mobile Computing, 2021, 20, 2067-2079.	5.8	11
7	Hybrid surrogate model for online temperature and pressure predictions in data centers. Future Generation Computer Systems, 2021, 114, 531-547.	7.5	24
8	A gray-box model for real-time transient temperature predictions in data centers. Applied Thermal Engineering, 2021, 185, 116319.	6.0	30
9	Towards Robust Multiple Blind Source Localization Using Source Separation and Beamforming. Sensors, 2021, 21, 532.	3.8	11
10	Optimal Design of LEMoNet for Environmental Monitoring of Data Centers. IEEE Transactions on Green Communications and Networking, 2021, 5, 1820-1832.	5.5	0
11	Multi-Robot Path Planning for Mobile Sensing through Deep Reinforcement Learning. , 2021, , .		11
12	MotionBeep: Enabling Fitness Game for Collocated Players With Acoustic-Enabled IoT Devices. IEEE Internet of Things Journal, 2021, 8, 10755-10765.	8.7	3
13	A data-driven approach to simultaneous fault detection and diagnosis in data centers. Applied Soft Computing Journal, 2021, 110, 107638.	7.2	16
14	Asynchronous Acoustic Localization and Tracking for Mobile Targets. IEEE Internet of Things Journal, 2020, 7, 830-845.	8.7	33
15	Handling Device Heterogeneity in Wi-Fi based Indoor Positioning Systems. , 2020, , .		6
16	Informative Path Planning for Location Fingerprint Collection. IEEE Transactions on Network Science and Engineering, 2020, 7, 1633-1644.	6.4	8
17	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
18	An Analytical Study of Low Energy Monitoring Networks for Large-Scale Data Centers. , 2020, , .		2

#	Article	IF	Citations
19	On the Effect of Multi-Packet Reception on Redundant Gateways in LoRAWANs. , 2019, , .		7
20	Portable Electromyography: A Case Study on Ballistic Finger Movement Recognition. IEEE Sensors Journal, 2019, 19, 7043-7055.	4.7	5
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	Finger Movement Recognition During Ballistic Movements Using Electromyography. , 2017, , .		1
23	ARABIS: An asynchronous acoustic indoor positioning system for mobile devices. , 2017, , .		21
24	TuRF: Fast data collection for fingerprint-based indoor localization. , 2017, , .		18
25	Sequential Learning and Decision-Making in Wireless Resource Management. Wireless Networks, 2016, , .	0.5	7
26	Full-duplex spectrum sensing and access in cognitive radio networks with unknown primary user activities. , 2016, , .		11