

Wei Xi

List of Publications by Year in descending order

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40
papers

1,517
citations

933447

10
h-index

839539

18
g-index

40
all docs

40
docs citations

40
times ranked

1347
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Client Clustering for Efficient Federated Learning over Non-IID and Imbalanced Data. IEEE Transactions on Big Data, 2024, , 1-1.	6.1	9
2	Arbitrator2.0: Preventing Unauthorized Access on Passive Tags. IEEE Transactions on Mobile Computing, 2022, 21, 835-848.	5.8	3
3	A Fingertip Profiled RF Identifier. IEEE Transactions on Mobile Computing, 2022, 21, 392-407.	5.8	0
4	Eliminating the Barriers: Demystifying Wi-Fi Baseband Design and Introducing the PicoScenes Wi-Fi Sensing Platform. IEEE Internet of Things Journal, 2022, 9, 4476-4496.	8.7	19
5	Wisual: Indoor Crowd Density Estimation and Distribution Visualization Using Wi-Fi. IEEE Internet of Things Journal, 2022, 9, 10077-10092.	8.7	3
6	Utilizing Tag Interference for Refined Localization of Passive RFID. IEEE Internet of Things Journal, 2022, 9, 12656-12672.	8.7	0
7	KEEP: Secure and Efficient Communication for Distributed IoT Devices. IEEE Internet of Things Journal, 2021, 8, 12758-12770.	8.7	2
8	HCAR: Human continuous activity recognition using latent structure features. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3807.	3.9	3
9	Corrections to "HMO: Ordering RFID Tags With Static Devices in Mobile Environments". IEEE Transactions on Mobile Computing, 2021, 20, 1746-1746.	5.8	0
10	Audio DistilBERT: A Distilled Audio BERT for Speech Representation Learning. , 2021, , .		2
11	Anti-Spoofing Voice Commands. , 2021, 5, 1-22.		5
12	RF-ray. , 2021, 5, 1-24.		4
13	MufiNet: Multiscale Fusion Residual Networks for Medical Image Segmentation. , 2020, , .		3
14	RFnet: Automatic Gesture Recognition and Human Identification Using Time Series RFID Signals. Mobile Networks and Applications, 2020, 25, 2240-2253.	3.3	15
15	dWatch. ACM Transactions on Sensor Networks, 2020, 16, 1-22.	3.6	9
16	Counting Human Objects Using Backscattered Radio Frequency Signals. IEEE Transactions on Mobile Computing, 2019, 18, 1054-1067.	5.8	16
17	Verifiable Smart Packaging with Passive RFID. IEEE Transactions on Mobile Computing, 2019, 18, 1217-1230.	5.8	23
18	Close-Proximity Detection for Hand Approaching Using Backscatter Communication. IEEE Transactions on Mobile Computing, 2019, 18, 2285-2297.	5.8	10

#	ARTICLE	IF	CITATIONS
19	RF-Mehndi: A Fingertip Profiled RF Identifier. , 2019, , .		55
20	Preventing Unauthorized Access on Passive Tags. , 2018, , .		22
21	A Platform for Free-Weight Exercise Monitoring with Passive Tags. IEEE Transactions on Mobile Computing, 2017, 16, 3279-3293.	5.8	57
22	SALM: Smartphone-Based Identity Authentication Using Lip Motion Characteristics. , 2017, , .		6
23	RFIPad: Enabling Cost-Efficient and Device-Free In-air Handwriting Using Passive Tags. , 2017, , .		41
24	GenePrint: Generic and Accurate Physical-Layer Identification for UHF RFID Tags. IEEE/ACM Transactions on Networking, 2016, 24, 846-858.	3.8	81
25	Twins: Device-Free Object Tracking Using Passive Tags. IEEE/ACM Transactions on Networking, 2016, 24, 1605-1617.	3.8	92
26	Accelerating Crowdsourcing Based Indoor Localization Using CSI. , 2015, , .		1
27	Human object estimation via backscattered radio frequency signal. , 2015, , .		27
28	CBID: A Customer Behavior Identification System Using Passive Tags. , 2014, , .		41
29	Efficient and secure key extraction using channel state information. Journal of Supercomputing, 2014, 70, 1537-1554.	3.6	7
30	Communicating Is Crowdsourcing: Wi-Fi Indoor Localization with CSI-Based Speed Estimation. Journal of Computer Science and Technology, 2014, 29, 589-604.	1.5	60
31	KEEP: Fast secret key extraction protocol for D2D communication. , 2014, , .		42
32	Twins: Device-free object tracking using passive tags. , 2014, , .		54
33	Electronic frog eye: Counting crowd using WiFi. , 2014, , .		292
34	Assessing Diagnosis Approaches for Wireless Sensor Networks: Concepts and Analysis. Journal of Computer Science and Technology, 2014, 29, 887-900.	1.5	1
35	WILL: Wireless Indoor Localization without Site Survey. IEEE Transactions on Parallel and Distributed Systems, 2013, 24, 839-848.	5.6	323
36	Estimating Crowd Density in an RF-Based Dynamic Environment. IEEE Sensors Journal, 2013, 13, 3837-3845.	4.7	69

#	ARTICLE	IF	CITATIONS
37	Rejecting the attack: Source authentication for Wi-Fi management frames using CSI Information. , 2013, , .		73
38	A Scalable P2P Video Conferencing System Based on VCStream Model. , 2012, , .		2
39	Crowd Density Estimation Using Wireless Sensor Networks. , 2011, , .		37
40	EUL: An Efficient and Universal Localization Method for Wireless Sensor Network. , 2009, , .		8