

# Chao Cai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8136375/publications.pdf>

Version: 2024-02-01

21  
papers

487  
citations

840776

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h-index

940533

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

428  
citing authors

#	ARTICLE	IF	CITATIONS
1	RF-Based Human Activity Recognition Using Signal Adapted Convolutional Neural Network. IEEE Transactions on Mobile Computing, 2023, 22, 487-499.	5.8	28
2	Acoustic Software Defined Platform: A Versatile Sensing and General Benchmarking Platform. IEEE Transactions on Mobile Computing, 2023, 22, 647-660.	5.8	4
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	Sound of Motion: Real-time Wrist Tracking with A Smart Watch-Phone Pair. , 2022, , .		6
6	SST: Software Sonic Thermometer on Acoustic-Enabled IoT Devices. IEEE Transactions on Mobile Computing, 2021, 20, 2067-2079.	5.8	11
7	Towards Robust Multiple Blind Source Localization Using Source Separation and Beamforming. Sensors, 2021, 21, 532.	3.8	11
8	Joint optimization of service chain caching and task offloading in mobile edge computing. Applied Soft Computing Journal, 2021, 103, 107142.	7.2	36
9	We Hear Your PACE. , 2021, 5, 1-24.		26
10	MotionBeep: Enabling Fitness Game for Collocated Players With Acoustic-Enabled IoT Devices. IEEE Internet of Things Journal, 2021, 8, 10755-10765.	8.7	3
11	MoRe-Fi. , 2021, , .		36
12	Asynchronous Acoustic Localization and Tracking for Mobile Targets. IEEE Internet of Things Journal, 2020, 7, 830-845.	8.7	33
13	HackMan: hacking commodity millimeter-wave hardware for a measurement study. Wireless Networks, 2020, 26, 5411-5425.	3.0	1
14	AcuTe. , 2020, , .		24
15	Self-Deployable Indoor Localization With Acoustic-Enabled IoT Devices Exploiting Participatory Sensing. IEEE Internet of Things Journal, 2019, 6, 5297-5311.	8.7	21
16	Accurate Ranging on Acoustic-Enabled IoT Devices. IEEE Internet of Things Journal, 2019, 6, 3164-3174.	8.7	14
17	Non-contact thermal sensing on acoustic-enabled IoT devices. , 2019, , .		0
18	Smart Home Based on WiFi Sensing: A Survey. IEEE Access, 2018, 6, 13317-13325.	4.2	148

#	ARTICLE	IF	CITATIONS
19	SAP: A Novel Stationary Peers Assisted Indoor Positioning System. IEEE Access, 2018, 6, 76475-76489.	4.2	9
20	On Simultaneous Power Replenishment for Wireless Sensor Networks With Multiple Portable Chargers. IEEE Access, 2018, 6, 63120-63130.	4.2	6
21	Location-Based Augmented Reality With Pervasive Smartphone Sensors: Inside and Beyond Pokemon Go!. IEEE Access, 2017, 5, 9619-9631.	4.2	29