

Chao Cai

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

487
citations

840776

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940533

16
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21
all docs

21
docs citations

21
times ranked

428
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Smart Home Based on WiFi Sensing: A Survey. IEEE Access, 2018, 6, 13317-13325. | 4.2 | 148 |
| 2 | Joint optimization of service chain caching and task offloading in mobile edge computing. Applied Soft Computing Journal, 2021, 103, 107142. | 7.2 | 36 |
| 3 | MoRe-Fi. , 2021, , . | | 36 |
| 4 | Asynchronous Acoustic Localization and Tracking for Mobile Targets. IEEE Internet of Things Journal, 2020, 7, 830-845. | 8.7 | 33 |
| 5 | Location-Based Augmented Reality With Pervasive Smartphone Sensors: Inside and Beyond Pokemon Go!. IEEE Access, 2017, 5, 9619-9631. | 4.2 | 29 |
| 6 | Ubiquitous Acoustic Sensing on Commodity IoT Devices: A Survey. IEEE Communications Surveys and Tutorials, 2022, 24, 432-454. | 39.4 | 29 |
| 7 | RF-Based Human Activity Recognition Using Signal Adapted Convolutional Neural Network. IEEE Transactions on Mobile Computing, 2023, 22, 487-499. | 5.8 | 28 |
| 8 | We Hear Your PACE. , 2021, 5, 1-24. | | 26 |
| 9 | AcuTe. , 2020, , . | | 24 |
| 10 | Self-Deployable Indoor Localization With Acoustic-Enabled IoT Devices Exploiting Participatory Sensing. IEEE Internet of Things Journal, 2019, 6, 5297-5311. | 8.7 | 21 |
| 11 | Accurate Ranging on Acoustic-Enabled IoT Devices. IEEE Internet of Things Journal, 2019, 6, 3164-3174. | 8.7 | 14 |
| 12 | Boosting Chirp Signal Based Aerial Acoustic Communication Under Dynamic Channel Conditions. IEEE Transactions on Mobile Computing, 2022, 21, 3110-3121. | 5.8 | 12 |
| 13 | SST: Software Sonic Thermometer on Acoustic-Enabled IoT Devices. IEEE Transactions on Mobile Computing, 2021, 20, 2067-2079. | 5.8 | 11 |
| 14 | Towards Robust Multiple Blind Source Localization Using Source Separation and Beamforming. Sensors, 2021, 21, 532. | 3.8 | 11 |
| 15 | SAP: A Novel Stationary Peers Assisted Indoor Positioning System. IEEE Access, 2018, 6, 76475-76489. | 4.2 | 9 |
| 16 | On Simultaneous Power Replenishment for Wireless Sensor Networks With Multiple Portable Chargers. IEEE Access, 2018, 6, 63120-63130. | 4.2 | 6 |
| 17 | Sound of Motion: Real-time Wrist Tracking with A Smart Watch-Phone Pair. , 2022, , . | | 6 |
| 18 | Acoustic Software Defined Platform: A Versatile Sensing and General Benchmarking Platform. IEEE Transactions on Mobile Computing, 2023, 22, 647-660. | 5.8 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | MotionBeep: Enabling Fitness Game for Collocated Players With Acoustic-Enabled IoT Devices. IEEE Internet of Things Journal, 2021, 8, 10755-10765. | 8.7 | 3 |
| 20 | HackMan: hacking commodity millimeter-wave hardware for a measurement study. Wireless Networks, 2020, 26, 5411-5425. | 3.0 | 1 |
| 21 | Non-contact thermal sensing on acoustic-enabled IoT devices. , 2019, , . | | 0 |