# Qi Han

## List of Publications by Year
in descending order

| 53 papers | 1,392 citations | 687363<br>13 h-index | 552781<br>26 g-index |
|-----------|-----------------|-------------|--------------|
| 53 all docs | 53 docs citations | 53 times ranked | 1364 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Acceptance-Aware Mobile Crowdsourcing Worker Recruitment in Social Networks. IEEE Transactions on Mobile Computing, 2023, 22, 634-646. | 5.8 | 8 |
| 2 | CrowdOS: A Ubiquitous Operating System for Crowdsourcing and Mobile Crowd Sensing. IEEE Transactions on Mobile Computing, 2022, 21, 878-894. | 5.8 | 17 |
| 3 | SoDar: Multitarget Gesture Recognition Based on SIMO Doppler Radar. IEEE Transactions on Human-Machine Systems, 2022, 52, 276-289. | 3.5 | 6 |
| 4 | Optimizing Non-Markovian Information Gain Under Physics-Based Communication Constraints. IEEE Robotics and Automation Letters, 2021, 6, 4813-4819. | 5.1 | 3 |
| 5 | GroupShop: monitoring group shopping behavior in real world using mobile devices. Journal of Ambient Intelligence and Humanized Computing, 2020, , 1. | 4.9 | 3 |
| 6 | Smart City Dashboards: Design, Development, and Evaluation. , 2020, , . | | 9 |
| 7 | Compact Scheduling for Task Graph Oriented Mobile Crowdsourcing. IEEE Transactions on Mobile Computing, 2020, , 1-1. | 5.8 | 6 |
| 8 | Sensor-Based Mobile Web Cross-Site Input Inference Attacks and Defenses. IEEE Transactions on Information Forensics and Security, 2019, 14, 75-89. | 6.9 | 6 |
| 9 | SHERPA: A Lightweight Smartphone Heterogeneity Resilient Portable Indoor Localization Framework. , 2019, , . | | 12 |
| 10 | CrowDNet: Enabling a Crowdsourced Object Delivery Network Based on Modern Portfolio Theory. IEEE Internet of Things Journal, 2019, 6, 9030-9041. | 8.7 | 14 |
| 11 | Fine Grained Group Gesture Detection Using Smartwatches. , 2019, , . | | 0 |
| 12 | Offline Worker Selection for Real-Time Spatial Crowdsourcing Multi-Worker Tasks. , 2019, , . | | 1 |
| 13 | CrowdTracking: Real-Time Vehicle Tracking Through Mobile Crowdsensing. IEEE Internet of Things Journal, 2019, 6, 7570-7583. | 8.7 | 41 |
| 14 | Failure-Aware Mobile Crowd Sensing: A Social Relationship-Based Transfer Approach. IEEE Access, 2019, 7, 186615-186625. | 4.2 | 2 |
| 15 | AcousticID. , 2019, 3, 1-25. | | 36 |
| 16 | CompetitiveBike: Competitive Analysis and Popularity Prediction of Bike-Sharing Apps Using Multi-Source Data. IEEE Transactions on Mobile Computing, 2019, 18, 1760-1773. | 5.8 | 19 |
| 17 | Recognition of Human Computer Operations Based on Keystroke Sensing by Smartphone Microphone. IEEE Internet of Things Journal, 2018, 5, 1156-1168. | 8.7 | 18 |
| 18 | Recognition of Group Mobility Level and Group Structure with Mobile Devices. IEEE Transactions on Mobile Computing, 2018, 17, 884-897. | 5.8 | 36 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | CrowdNavi. Proceedings of the ACM on Human-Computer Interaction, 2018, 2, 1-23. | 3.3 | 6 |
| 20 | Multi-Objective Optimization Based Allocation of Heterogeneous Spatial Crowdsourcing Tasks. IEEE Transactions on Mobile Computing, 2018, 17, 1637-1650. | 5.8 | 104 |
| 21 | ActiveCrowd: A Framework for Optimized Multitask Allocation in Mobile Crowdsensing Systems. IEEE Transactions on Human-Machine Systems, 2017, 47, 392-403. | 3.5 | 193 |
| 22 | The Emergence of Visual Crowdsensing: Challenges and Opportunities. IEEE Communications Surveys and Tutorials, 2017, 19, 2526-2543. | 39.4 | 71 |
| 23 | Worker-Contributed Data Utility Measurement for Visual Crowdsensing Systems. IEEE Transactions on Mobile Computing, 2017, 16, 2379-2391. | 5.8 | 59 |
| 24 | Identification of Partitions in a Homogeneous Activity Group Using Mobile Devices. Mobile Information Systems, 2016, 2016, 1-14. | 0.6 | 7 |
| 25 | Laser-based gap finding approach to mobile robot navigation. , 2016, , . | | 0 |
| 26 | Building the Case for Dynamic Location Query Processing. , 2016, , . | | 1 |
| 27 | Toward real-time and cooperative mobile visual sensing and sharing. , 2016, , . | | 31 |
| 28 | Spatial crowdsourcing: current state and future directions. , 2016, 54, 102-107. | | 82 |
| 29 | A communication framework for an ad-hoc microgrid for disaster response. , 2015, , . | | 1 |
| 30 | Context-Aware Community Construction in Proximity-Based Mobile Networks. Mobile Information Systems, 2015, 2015, 1-18. | 0.6 | 2 |
| 31 | LearnLoc: A framework for smart indoor localization with embedded mobile devices. , 2015, , . | | 28 |
| 32 | WiFi based communication and localization of an autonomous mobile robot for refinery inspection. , 2015, , . | | 15 |
| 33 | Application of compressive sensing for distributed and structured power line outage detection in smart grids. , 2015, , . | | 10 |
| 34 | Improving Wi-Fi Indoor Positioning via AP Sets Similarity and Semi-Supervised Affinity Propagation Clustering. International Journal of Distributed Sensor Networks, 2015, 11, 109642. | 2.2 | 39 |
| 35 | Grace: Recognition of Proximity-Based Intentional Groups Using Collaborative Mobile Devices. , 2014, , . | | 9 |
| 36 | Context-Aware Community: Integrating Contexts with Contacts for Proximity-Based Mobile Social Networking. , 2013, , . | | 4 |

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|---|---------|-----|-----------|
| 37 | Detection and tracking of mobile events with dynamic signatures using mobile sensors. , 2012, , . | | 1 |
| 38 | Reliable data collection from mobile users with high data rates in wireless sensor networks. , 2012, , . | | 2 |
| 39 | Context-aware communities and their impact on information influence in mobile social networks. , 2012, , . | | 3 |
| 40 | MEMS: Detection and tracking of mobile events using mobile sensors. , 2011, , . | | 0 |
| 41 | Practical experiences in enabling and ensuring quality sensing in emergency response applications. , 2010, , . | | 3 |
| 42 | Adaptive Voice Stream Multicast Over Low-Power Wireless Networks. , 2010, , . | | 3 |
| 43 | The More Relay Nodes, the More Energy Efficient?. , 2009, , . | | 5 |
| 44 | Fault Tolerant Evaluation of Continuous Selection Queries over Sensor Data. International Journal of Distributed Sensor Networks, 2009, 5, 338-360. | 2.2 | 5 |
| 45 | Continuous Plume Monitoring Using Wireless Sensors: Proof of Concept in Intermediate Scale Tank. Journal of Environmental Engineering, ASCE, 2009, 135, 831-838. | 1.4 | 15 |
| 46 | Performance of Random Routing on Grid-Based Sensor Networks. , 2009, , . | | 11 |
| 47 | TIGRA: Timely Sensor Data Collection Using Distributed Graph Coloring. , 2008, , . | | 14 |
| 48 | Data quality driven sensor reporting. , 2008, , . | | 5 |
| 49 | Virtual Sensor Networks - A Resource Efficient Approach for Concurrent Applications. , 2007, , . | | 89 |
| 50 | Leveraging Biologically-inspired Mobile Agents Supporting Composite Needs of Reliability and Timeliness in Sensor Applications. , 2007, , . | | 8 |
| 51 | Timeliness-Accuracy Balanced Collection of Dynamic Context Data. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 158-171. | 5.6 | 13 |
| 52 | A Survey of Fault Management in Wireless Sensor Networks. Journal of Network and Systems Management, 2007, 15, 171-190. | 4.9 | 295 |
| 53 | Information collection services for QoS-Aware mobile applications. IEEE Transactions on Mobile Computing, 2006, 5, 518-535. | 5.8 | 21 |