Qi Han

List of Publications by Year
in descending order

53	1,392	687363	552781
papers	citations	13	26
		h-index	g-index

53	53	53	1364
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Fault Management in Wireless Sensor Networks. Journal of Network and Systems Management, 2007, 15, 171-190.	4.9	295
2	ActiveCrowd: A Framework for Optimized Multitask Allocation in Mobile Crowdsensing Systems. IEEE Transactions on Human-Machine Systems, 2017, 47, 392-403.	3.5	193
3	Multi-Objective Optimization Based Allocation of Heterogeneous Spatial Crowdsourcing Tasks. IEEE Transactions on Mobile Computing, 2018, 17, 1637-1650.	5.8	104
4	Virtual Sensor Networks - A Resource Efficient Approach for Concurrent Applications. , 2007, , .		89
5	Spatial crowdsourcing: current state and future directions. , 2016, 54, 102-107.		82
6	The Emergence of Visual Crowdsensing: Challenges and Opportunities. IEEE Communications Surveys and Tutorials, 2017, 19, 2526-2543.	39.4	71
7	Worker-Contributed Data Utility Measurement for Visual Crowdsensing Systems. IEEE Transactions on Mobile Computing, 2017, 16, 2379-2391.	5.8	59
8	CrowdTracking: Real-Time Vehicle Tracking Through Mobile Crowdsensing. IEEE Internet of Things Journal, 2019, 6, 7570-7583.	8.7	41
9	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
10	Recognition of Group Mobility Level and Group Structure with Mobile Devices. IEEE Transactions on Mobile Computing, 2018, 17, 884-897.	5.8	36
11	AcousticID. , 2019, 3, 1-25.		36
12	Toward real-time and cooperative mobile visual sensing and sharing. , 2016, , .		31
13	LearnLoc: A framework for smart indoor localization with embedded mobile devices. , 2015, , .		28
14	Information collection services for QoS-Aware mobile applications. IEEE Transactions on Mobile Computing, 2006, 5, 518-535.	5.8	21
15	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
16	Recognition of Human Computer Operations Based on Keystroke Sensing by Smartphone Microphone. IEEE Internet of Things Journal, 2018, 5, 1156-1168.	8.7	18
17	CrowdOS: A Ubiquitous Operating System for Crowdsourcing and Mobile Crowd Sensing. IEEE Transactions on Mobile Computing, 2022, 21, 878-894.	5.8	17
18	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

#	Article	IF	Citations
19	WiFi based communication and localization of an autonomous mobile robot for refinery inspection. , 2015, , .		15
20	TIGRA: Timely Sensor Data Collection Using Distributed Graph Coloring. , 2008, , .		14
21	CrowDNet: Enabling a Crowdsourced Object Delivery Network Based on Modern Portfolio Theory. IEEE Internet of Things Journal, 2019, 6, 9030-9041.	8.7	14
22	Timeliness-Accuracy Balanced Collection of Dynamic Context Data. IEEE Transactions on Parallel and Distributed Systems, 2007, 18, 158-171.	5.6	13
23	SHERPA: A Lightweight Smartphone Heterogeneity Resilient Portable Indoor Localization Framework. , 2019, , .		12
24	Performance of Random Routing on Grid-Based Sensor Networks. , 2009, , .		11
25	Application of compressive sensing for distributed and structured power line outage detection in smart grids. , 2015, , .		10
26	Grace: Recognition of Proximity-Based Intentional Groups Using Collaborative Mobile Devices. , 2014, , .		9
27	Smart City Dashboards: Design, Development, and Evaluation. , 2020, , .		9
28	Leveraging Biologically-inspired Mobile Agents Supporting Composite Needs of Reliability and Timeliness in Sensor Applications. , 2007, , .		8
29	Acceptance-Aware Mobile Crowdsourcing Worker Recruitment in Social Networks. IEEE Transactions on Mobile Computing, 2023, 22, 634-646.	5.8	8
30	Identification of Partitions in a Homogeneous Activity Group Using Mobile Devices. Mobile Information Systems, 2016, 2016, 1-14.	0.6	7
31	CrowdNavi. Proceedings of the ACM on Human-Computer Interaction, 2018, 2, 1-23.	3.3	6
32	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
33	Compact Scheduling for Task Graph Oriented Mobile Crowdsourcing. IEEE Transactions on Mobile Computing, 2020, , 1-1.	5.8	6
34	SoDar: Multitarget Gesture Recognition Based on SIMO Doppler Radar. IEEE Transactions on Human-Machine Systems, 2022, 52, 276-289.	3.5	6
35	Data quality driven sensor reporting. , 2008, , .		5
36	The More Relay Nodes, the More Energy Efficient?. , 2009, , .		5

#	Article	IF	Citations
37	Fault Tolerant Evaluation of Continuous Selection Queries over Sensor Data. International Journal of Distributed Sensor Networks, 2009, 5, 338-360.	2.2	5
38	Context-Aware Community: Integrating Contexts with Contacts for Proximity-Based Mobile Social Networking. , 2013, , .		4
39	Practical experiences in enabling and ensuring quality sensing in emergency response applications. , 2010, , .		3
40	Adaptive Voice Stream Multicast Over Low-Power Wireless Networks. , 2010, , .		3
41	Context-aware communities and their impact on information influence in mobile social networks. , 2012, , .		3
42	GroupShop: monitoring group shopping behavior in real world using mobile devices. Journal of Ambient Intelligence and Humanized Computing, 2020, , 1.	4.9	3
43	Optimizing Non-Markovian Information Gain Under Physics-Based Communication Constraints. IEEE Robotics and Automation Letters, 2021, 6, 4813-4819.	5.1	3
44	Reliable data collection from mobile users with high data rates in wireless sensor networks. , 2012, , .		2
45	Context-Aware Community Construction in Proximity-Based Mobile Networks. Mobile Information Systems, 2015, 2015, 1-18.	0.6	2
46	Failure-Aware Mobile Crowd Sensing: A Social Relationship-Based Transfer Approach. IEEE Access, 2019, 7, 186615-186625.	4.2	2
47	Detection and tracking of mobile events with dynamic signatures using mobile sensors. , 2012, , .		1
48	A communication framework for an ad-hoc microgrid for disaster response. , 2015, , .		1
49	Building the Case for Dynamic Location Query Processing. , 2016, , .		1
50	Offline Worker Selection for Real-Time Spatial Crowdsourcing Multi-Worker Tasks. , 2019, , .		1
51	MEMS: Detection and tracking of mobile events using mobile sensors. , 2011, , .		0
52	Laser-based gap finding approach to mobile robot navigation. , 2016, , .		0
53	Fine Grained Group Gesture Detection Using Smartwatches. , 2019, , .		0