Daqiang Zhang

List of Publications by Year
in descending order

81 papers	5,048 citations	257450 24 h-index	161849 54 g-index
82 all docs	82 docs citations	82 times ranked	6468 citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Gas Sensing Technology. Sensors, 2012, 12, 9635-9665.	3.8	1,116
2	Towards smart factory for industry 4.0: a self-organized multi-agent system with big data based feedback and coordination. Computer Networks, 2016, 101, 158-168.	5.1	1,053
3	Data Mining for the Internet of Things: Literature Review and Challenges. International Journal of Distributed Sensor Networks, 2015, 11, 431047.	2.2	338
4	Context-aware vehicular cyber-physical systems with cloud support: architecture, challenges, and solutions. , 2014, 52, 106-113.		310
5	Real-Time Locating Systems Using Active RFID for Internet of Things. IEEE Systems Journal, 2016, 10, 1226-1235.	4.6	165
6	FoSA: F* Seed-growing Approach for crack-line detection from pavement images. Image and Vision Computing, 2011, 29, 861-872.	4.5	149
7	VCMIA: A Novel Architecture for Integrating Vehicular Cyber-Physical Systems and Mobile Cloud Computing. Mobile Networks and Applications, 2014, 19, 153-160.	3.3	148
8	SAMR: A Self-adaptive MapReduce Scheduling Algorithm in Heterogeneous Environment. , 2010, , .		140
9	Cloud-Integrated Cyber-Physical Systems for Complex Industrial Applications. Mobile Networks and Applications, 2016, 21, 865-878.	3.3	112
10	TASA: Tag-Free Activity Sensing Using RFID Tag Arrays. IEEE Transactions on Parallel and Distributed Systems, 2011, 22, 558-570.	5.6	107
11	Cold-Start Recommendation Using Bi-Clustering and Fusion for Large-Scale Social Recommender Systems. IEEE Transactions on Emerging Topics in Computing, 2014, 2, 239-250.	4.6	105
12	Real-time Medical Emergency Response System: Exploiting IoT and Big Data for Public Health. Journal of Medical Systems, 2016, 40, 283.	3.6	105
13	Middleware for pervasive computing: A survey. Pervasive and Mobile Computing, 2013, 9, 177-200.	3.3	92
14	NextCell: Predicting Location Using Social Interplay from Cell Phone Traces. IEEE Transactions on Computers, 2015, 64, 452-463.	3.4	75
15	CADRE: Cloud-Assisted Drug REcommendation Service for Online Pharmacies. Mobile Networks and Applications, 2015, 20, 348-355.	3.3	70
16	Searching in Internet of Things: Vision and Challenges. , 2011, , .		61
17	Survey on context-awareness in ubiquitous media. Multimedia Tools and Applications, 2013, 67, 179-211.	3.9	59
18	Cost-Efficient Sensory Data Transmission in Heterogeneous Software-Defined Vehicular Networks. IEEE Sensors Journal, 2016, 16, 7342-7354.	4.7	52

#	Article	IF	Citations
19	NextMe: Localization Using Cellular Traces in Internet of Things. IEEE Transactions on Industrial Informatics, 2015, 11, 302-312.	11.3	51
20	Using Concept Lattice for Personalized Recommendation System Design. IEEE Systems Journal, 2017, 11, 305-314.	4.6	51
21	Revisiting unknown RFID tag identification in large-scale internet of things. IEEE Wireless Communications, 2016, 23, 24-29.	9.0	44
22	An improved partitioning mechanism for optimizing massive data analysis using MapReduce. Journal of Supercomputing, 2013, 66, 539-555.	3.6	39
23	Context reasoning using extended evidence theory in pervasive computing environments. Future Generation Computer Systems, 2010, 26, 207-216.	7.5	38
24	Reliable and Energy-Efficient Data Forwarding in Industrial Wireless Sensor Networks. IEEE Systems Journal, 2017, 11, 1424-1434.	4.6	35
25	Mobility prediction in telecom cloud using mobile calls. IEEE Wireless Communications, 2014, 21, 26-32.	9.0	31
26	Robot and cloud-assisted multi-modal healthcare system. Cluster Computing, 2015, 18, 1295-1306.	5.0	28
27	Evaluating rail transit timetable using big passengers' data. Journal of Computer and System Sciences, 2016, 82, 144-155.	1.2	26
28	An adaptive MAC protocol for real-time and reliable communications in medical cyber-physical systems. Telecommunication Systems, 2015, 58, 125-138.	2.5	25
29	Network Selection in Cognitive Heterogeneous Networks Using Stochastic Learning. IEEE Communications Letters, 2013, 17, 2304-2307.	4.1	24
30	Cost-efficient traffic-aware data collection protocol in VANET. Ad Hoc Networks, 2017, 55, 28-39.	5.5	23
31	Cloud-Assisted Mobile Crowd Sensing for Traffic Congestion Control. Mobile Networks and Applications, 2017, 22, 1212-1218.	3.3	21
32	A Review of Automated Formal Verification of Ad Hoc Routing Protocols for Wireless Sensor Networks. Sensor Letters, 2013, 11, 752-764.	0.4	20
33	Detecting Hot Road Mobility of Vehicular Ad Hoc Networks. Mobile Networks and Applications, 2013, 18, 803-813.	3.3	19
34	MPaaS: Mobility prediction as a service in telecom cloud. Information Systems Frontiers, 2014, 16, 59-75.	6.4	19
35	A Taxonomy of Agent Technologies for Ubiquitous Computing Environments. KSII Transactions on Internet and Information Systems, 2012, , .	0.3	18
36	Extended Dempster-Shafer Theory in Context Reasoning for Ubiquitous Computing Environments. , 2009, , .		17

#	Article	IF	Citations
37	An Efficient RFID Search Protocol Based On Clouds. Mobile Networks and Applications, 2015, 20, 356-362.	3.3	16
38	Usage-Specific Semantic Integration for Cyber-Physical Robot Systems. Transactions on Embedded Computing Systems, 2016, 15, 1-20.	2.9	15
39	Efficient identity authentication and encryption technique for high throughput RFID system. Security and Communication Networks, 2016, 9, 2581-2591.	1.5	14
40	An Efficient Collaborative Filtering Approach Using Smoothing and Fusing. , 2009, , .		13
41	Identifying Region-Wide Functions Using Urban Taxicab Trajectories. Transactions on Embedded Computing Systems, 2016, 15, 1-19.	2.9	13
42	Decentralized checking of context inconsistency in pervasive computing environments. Journal of Supercomputing, 2013, 64, 256-273.	3.6	12
43	Predicting location using mobile phone calls. Computer Communication Review, 2012, 42, 295-296.	1.8	11
44	A Smart Work Performance Measurement System for Police Officers. IEEE Access, 2015, 3, 1755-1764.	4.2	11
45	Future RFID technology and applications: visions and challenges. Telecommunication Systems, 2015, 58, 193-194.	2.5	10
46	Coding Schemes to Minimize Energy Consumption of Communication Links in Wireless Nanosensor Networks. IEEE Internet of Things Journal, 2016, 3, 480-493.	8.7	10
47	Distributed DOA Estimation for Arbitrary Topology Structure of Mobile Wireless Sensor Network Using Cognitive Radio. Wireless Personal Communications, 2017, 93, 431-445.	2.7	10
48	Where searching will go in Internet of Things?. , 2011, , .		9
49	Empirical study on taxi GPS traces for Vehicular Ad Hoc Networks. , 2012, , .		9
50	An Adaptive Framework for Improving Quality of Service in Industrial Systems. IEEE Access, 2015, 3, 2129-2139.	4.2	9
51	SDN Enabled High Performance Multicast in Vehicular Networks. , 2016, , .		9
52	Optimising data placement and traffic routing for energy saving in Backbone Networks. Transactions on Emerging Telecommunications Technologies, 2014, 25, 914-925.	3.9	8
53	iShadow: Yet Another Pervasive Computing Environment. , 2008, , .		6
54	Asynchronous event detection for context inconsistency in pervasive computing. International Journal of Ad Hoc and Ubiquitous Computing, 2012, 11, 195.	0.5	6

#	Article	IF	Citations
55	Cloud-assisted Industrial Systems and Applications. Mobile Networks and Applications, 2016, 21, 822-824.	3.3	6
56	Predicting location using mobile phone calls. , 2012, , .		5
57	Ada-MAC: An adaptive MAC protocol for real-time and reliable health monitoring. , 2012, , .		5
58	SOCKER: Enhancing Face-to-Face Social Interaction Based on Community Creation in Opportunistic Mobile Social Networks. Wireless Personal Communications, 2014, 78, 755-783.	2.7	5
59	Busy toneâ€based channel access control for cooperative communication. Transactions on Emerging Telecommunications Technologies, 2015, 26, 1173-1188.	3.9	5
60	Detecting traffic congestions using cell phone accelerometers. , 2014, , .		4
61	Discovering Urban Social Functional Regions Using Taxi Trajectories. , 2015, , .		4
62	An Efficient Method for Optimizing Reader Deployment and Energy Saving. Sensor Letters, 2013, 11, 1695-1703.	0.4	4
63	Energy-Efficient Node Selection Algorithms with Correlation Optimization in Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 576573.	2.2	4
64	Time Efficient Tag Searching in Multiple Reader RFID Systems. , 2013, , .		3
65	IEEE Access Special Section Editorial: Smart Cities. IEEE Access, 2016, 4, 3671-3674.	4.2	3
66	TIP: Time-Efficient Identification Protocol for Unknown RFID Tags Using Bloom Filters. , 2016, , .		3
67	Novel clustering-based approach for Local Outlier Detection. , 2016, , .		3
68	A Parallel Skeleton Library for Embedded Multicores. , 2010, , .		2
69	Energy Efficient Transmission Distance Adjustment under Non-uniform Distributed Wireless Sensor Networks. , 2010, , .		2
70	A novel background subtraction for intelligent surveillance in wireless network. , 2014, , .		2
71	Modeling and analyzing the convergence property of the BGP routing protocol in SPIN. Telecommunication Systems, 2015, 58, 205-217.	2.5	2
72	Cooperative spectrum sensing via relay-assisted random broadcast in cognitive smartphone networks. Multimedia Systems, 2015, 21, 5-13.	4.7	2

#	Article	IF	Citations
73	Exploiting Real-Time Traffic Light Scheduling with Taxi Traces. , 2016, , .		2
74	Guest Editorial: Special Issue on Cloud-Integrated Cyber-Physical Systems. IEEE Systems Journal, 2017, 11, 84-87.	4.6	2
75	On Constant-Time-Identification and Privacy-Preserving RFID Protocols: Trade-Off between Time and Memory. , 2013, , .		1
76	Heterogeneous Community-Based Routing in Opportunistic Mobile Social Networks. , 2014, , .		1
77	A novel Frequency Selective sounding scheme for TDD LTE-advanced systems. , 2014, , .		1
78	Transaction Management for Grid Workflow Applications. , 2007, , .		0
79	A Context Conflict Resolution with Optimized Mediation. , 2010, , .		0
80	Towards next-generation social media?. New Review of Hypermedia and Multimedia, 2015, 21, 197-198.	1.1	0
81	CeBR. , 2017, , .		0