

# Chunsheng Zhu

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139  
papers

3,464  
citations

32  
h-index

54  
g-index

161  
ext. papers

4,294  
ext. citations

4.3  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
139	Green Internet of Things for Smart World. <i>IEEE Access</i> , <b>2015</b> , 3, 2151-2162	3.5	301
138	. <i>IEEE Access</i> , <b>2015</b> , 3, 2687-2699	3.5	187
137	Recent Advances in Industrial Wireless Sensor Networks Toward Efficient Management in IoT. <i>IEEE Access</i> , <b>2015</b> , 3, 622-637	3.5	181
136	Real-Time Lateral Movement Detection Based on Evidence Reasoning Network for Edge Computing Environment. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 4285-4294	11.9	127
135	Social Sensor Cloud: Framework, Greenness, Issues, and Outlook. <i>IEEE Network</i> , <b>2018</b> , 32, 100-105	11.4	118
134	An Incremental CFS Algorithm for Clustering Large Data in Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 1193-1201	11.9	110
133	Mobile big data fault-tolerant processing for ehealth networks. <i>IEEE Network</i> , <b>2016</b> , 30, 36-42	11.4	103
132	Trust-Based Communication for the Industrial Internet of Things <b>2018</b> , 56, 16-22		91
131	A survey on communication and data management issues in mobile sensor networks. <i>Wireless Communications and Mobile Computing</i> , <b>2014</b> , 14, 19-36	1.9	89
130	Predicting Temporal Social Contact Patterns for Data Forwarding in Opportunistic Mobile Networks. <i>IEEE Transactions on Vehicular Technology</i> , <b>2017</b> , 66, 10372-10383	6.8	76
129	A Novel Sensory Data Processing Framework to Integrate Sensor Networks With Mobile Cloud. <i>IEEE Systems Journal</i> , <b>2016</b> , 10, 1125-1136	4.3	74
128	. <i>IEEE Transactions on Information Forensics and Security</i> , <b>2015</b> , 10, 118-131	8	69
127	<b>2017</b> , 55, 24-30		68
126	Collaborative Location-Based Sleep Scheduling for Wireless Sensor Networks Integrated with Mobile Cloud Computing. <i>IEEE Transactions on Computers</i> , <b>2015</b> , 64, 1844-1856	2.5	65
125	Combinational Auction-Based Service Provider Selection in Mobile Edge Computing Networks. <i>IEEE Access</i> , <b>2017</b> , 5, 13455-13464	3.5	64
124	Distributed Parameter Estimation for Mobile Wireless Sensor Network Based on Cloud Computing in Battlefield Surveillance System. <i>IEEE Access</i> , <b>2015</b> , 3, 1729-1739	3.5	63
123	Original Symbol Phase Rotated Secure Transmission Against Powerful Massive MIMO Eavesdropper. <i>IEEE Access</i> , <b>2016</b> , 4, 3016-3025	3.5	61

122	Toward Big Data in Green City <b>2017</b> , 55, 14-18		60
121	<b>2017</b> , 55, 176-182		59
120	LDPA: a local data processing architecture in ambient assisted living communications <b>2015</b> , 53, 56-63		57
119	Game-Theory-Based Active Defense for Intrusion Detection in Cyber-Physical Embedded Systems. <i>Transactions on Embedded Computing Systems</i> , <b>2016</b> , 16, 1-21	1.8	55
118	A Trust Cloud Model for Underwater Wireless Sensor Networks. <i>IEEE Communications Magazine</i> , <b>2017</b> , 55, 110-116	9.1	51
117	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 6346-6355	8.9	49
116	. <i>IEEE Wireless Communications</i> , <b>2017</b> , 24, 106-112	13.4	46
115	. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 941-950	4.3	44
114	Toward Offering More Useful Data Reliably to Mobile Cloud From Wireless Sensor Network. <i>IEEE Transactions on Emerging Topics in Computing</i> , <b>2015</b> , 3, 84-94	4.1	43
113	Towards Smart Parking Based on Fog Computing. <i>IEEE Access</i> , <b>2018</b> , 6, 70172-70185	3.5	43
112	Dynamic Fusion-based Federated Learning for COVID-19 Detection. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	42
111	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 1317-1328	8.9	36
110	A Review of Key Issues That Concern the Feasibility of Mobile Cloud Computing <b>2013</b> ,		34
109	. <i>IEEE Transactions on Vehicular Technology</i> , <b>2020</b> , 69, 9364-9375	6.8	32
108	Privacy-preserving Data Aggregation Computing in Cyber-Physical Social Systems. <i>ACM Transactions on Cyber-Physical Systems</i> , <b>2019</b> , 3, 1-23	2.3	32
107	Optimization Algorithms for Multiaccess Green Communications in Internet of Things. <i>IEEE Internet of Things Journal</i> , <b>2018</b> , 5, 1739-1748	10.7	30
106	A Time-Ordered Aggregation Model-Based Centrality Metric for Mobile Social Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 25588-25599	3.5	30
105	. <i>IEEE Systems Journal</i> , <b>2018</b> , 12, 1518-1530	4.3	29

104	. <i>IEEE Access</i> , <b>2016</b> , 4, 5374-5384	3.5	25
103	. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 1456-1466	4.3	24
102	Caching-as-a-Service: Virtual caching framework in the cloud-based mobile networks <b>2015</b> ,		24
101	ConnSpoyer: Disrupting C&C Communication of IoT-Based Botnet Through Fast Detection of Anomalous Domain Queries. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 1373-1384	11.9	24
100	SDN-Based Application Framework for Wireless Sensor and Actor Networks. <i>IEEE Access</i> , <b>2016</b> , 4, 1583-1594	3.9	24
99	Energy-Efficient Sub-Carrier and Power Allocation in Cloud-Based Cellular Network With Ambient RF Energy Harvesting. <i>IEEE Access</i> , <b>2017</b> , 5, 1340-1352	3.5	23
98	. <i>IEEE Transactions on Cloud Computing</i> , <b>2020</b> , 8, 1018-1029	3.3	23
97	A DOA Estimation Approach for Transmission Performance Guarantee in D2D Communication. <i>Mobile Networks and Applications</i> , <b>2017</b> , 22, 998-1009	2.9	20
96	A Scheme on Indoor Tracking of Ship Dynamic Positioning Based on Distributed Multi-Sensor Data Fusion. <i>IEEE Access</i> , <b>2017</b> , 5, 379-392	3.5	19
95	Top-k queries for multi-category RFID systems <b>2016</b> ,		19
94	. <i>IEEE Access</i> , <b>2019</b> , 7, 13476-13485	3.5	19
93	Trust assistance in Sensor-Cloud <b>2015</b> ,		18
92	Trustworthy and Intelligent COVID-19 Diagnostic IoMT through XR and Deep Learning-based Clinic Data Access. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	18
91	A Lightweight Privacy-Preserving Communication Protocol for Heterogeneous IoT Environment. <i>IEEE Access</i> , <b>2020</b> , 8, 67192-67204	3.5	17
90	Freshness-Aware Seed Selection for Offloading Cellular Traffic Through Opportunistic Mobile Networks. <i>IEEE Transactions on Wireless Communications</i> , <b>2020</b> , 19, 2658-2669	9.6	16
89	Phase Timing Optimization for Smart Traffic Control Based on Fog Computing. <i>IEEE Access</i> , <b>2019</b> , 7, 84217-84228	3.5	15
88	Fast moving object detection with non-stationary background. <i>Multimedia Tools and Applications</i> , <b>2013</b> , 67, 311-335	2.5	16
87	. <i>IEEE Systems Journal</i> , <b>2017</b> , 11, 1340-1350	4.3	15

86	Dynamically Weighted Load Evaluation Method Based on Self-adaptive Threshold in Cloud Computing. <i>Mobile Networks and Applications</i> , <b>2017</b> , 22, 4-18	2.9	15
85	On minimizing energy consumption cost in green heterogeneous wireless networks. <i>Computer Networks</i> , <b>2017</b> , 129, 522-535	5.4	14
84	Centralized Fusion Based on Interacting Multiple Model and Adaptive Kalman Filter for Target Tracking in Underwater Acoustic Sensor Networks. <i>IEEE Access</i> , <b>2019</b> , 7, 25948-25958	3.5	14
83	Job Scheduling for Cloud Computing Integrated with Wireless Sensor Network <b>2014</b> ,		14
82	. <i>IEEE Access</i> , <b>2016</b> , 4, 9043-9052	3.5	14
81	Surfing the Internet-of-Things: Lightweight Access and Control of Wireless Sensor Networks Using Industrial Low Power Protocols. <i>EAI Endorsed Transactions on Industrial Networks and Intelligent Systems</i> , <b>2014</b> , 1, e2	1.5	13
80	QoS-aware energy-efficient resource allocation in OFDM-based heterogeneous cellular networks. <i>International Journal of Communication Systems</i> , <b>2017</b> , 30, e2931	1.7	12
79	Intelligent Resource Allocation for Utility Optimization in RSU-Empowered Vehicular Network. <i>IEEE Access</i> , <b>2020</b> , 8, 94453-94462	3.5	12
78	. <i>IEEE Access</i> , <b>2018</b> , 6, 23180-23190	3.5	12
77	Providing Desirable Data to Users When Integrating Wireless Sensor Networks with Mobile Cloud <b>2013</b> ,		12
76	Research on secure data collection in wireless multimedia sensor networks. <i>Computer Communications</i> , <b>2012</b> , 35, 1902-1909	5.1	12
75	An Indoor Ultrasonic Positioning System Based on TOA for Internet of Things. <i>Mobile Information Systems</i> , <b>2016</b> , 2016, 1-10	1.4	12
74	Probabilistic Neighborhood-Based Data Collection Algorithms for 3D Underwater Acoustic Sensor Networks. <i>Sensors</i> , <b>2017</b> , 17,	3.8	11
73	Towards Integration of Wireless Sensor Networks and Cloud Computing <b>2015</b> ,		11
72	A geographic routing oriented sleep scheduling algorithm in duty-cycled sensor networks <b>2012</b> ,		11
71	SBBS: A Secure Blockchain-Based Scheme for IoT Data Credibility in Fog Environment. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 8, 9268-9277	10.7	10
70	TCSLP: A trace cost based source location privacy protection scheme in WSNs for smart cities. <i>Future Generation Computer Systems</i> , <b>2020</b> , 107, 965-974	7.5	9
69	Traffic Signal Phase Scheduling Based on Device-to-Device Communication. <i>IEEE Access</i> , <b>2018</b> , 6, 47636-47645	4.5	9

68	A Short Review on Sleep Scheduling Mechanism in Wireless Sensor Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2018</b> , 66-70	0.2	8
67	A Review on Design and Implementation of Software-Defined WLANs. <i>IEEE Systems Journal</i> , <b>2020</b> , 14, 2601-2614	4.3	8
66	Preserving Location Privacy in Mobile Edge Computing <b>2019</b> ,		7
65	Food Image Recognition via Superpixel Based Low-Level and Mid-Level Distance Coding for Smart Home Applications. <i>Sustainability</i> , <b>2017</b> , 9, 856	3.6	7
64	Implementing top-k query in duty-cycled wireless sensor networks <b>2011</b> ,		7
63	Research issues on mobile sensor networks <b>2010</b> ,		7
62	High-accuracy localization for indoor group users based on extended Kalman filter. <i>International Journal of Distributed Sensor Networks</i> , <b>2018</b> , 14, 155014771881272	1.7	7
61	Topology-Transparent Scheduling Based on Reinforcement Learning in Self-Organized Wireless Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 20221-20230	3.5	6
60	Sensor-Cloud and Power Line Communication: Recent Developments and Integration <b>2016</b> ,		6
59	<b>2014</b> ,		6
58	An improved parallel block Lanczos algorithm over GF(2) for integer factorization. <i>Information Sciences</i> , <b>2017</b> , 379, 257-273	7.7	6
57	Pricing Models for Sensor-Cloud <b>2015</b> ,		6
56	An evaluation of user importance when integrating social networks and mobile cloud computing <b>2014</b> ,		6
55	SMAC-based proportional fairness backoff scheme in wireless sensor networks <b>2010</b> ,		6
54	Secured energy-aware sleep scheduling algorithm in duty-cycled sensor networks <b>2012</b> ,		6
53	Towards an Effective Secret Key Generation Scheme for Imperfect Channel State Information <b>2016</b> ,		6
52	Towards Response Time Minimization Considering Energy Consumption in Caching Assisted Vehicular Edge Computing. <i>IEEE Internet of Things Journal</i> , <b>2021</b> , 1-1	10.7	6
51	A Cloud Resource Evaluation Model Based on Entropy Optimization and Ant Colony Clustering. <i>Computer Journal</i> , <b>2015</b> , 58, 1254-1266	1.3	5

50	Social Interaction Assisted Resource Sharing Scheme for Device-to-Device Communication Towards Green Internet of Things. <i>IEEE Access</i> , <b>2020</b> , 8, 71652-71661	3.5	5
49	A mobile crowdsensing system enhanced by cloud-based social networking services <b>2013</b> ,		5
48	An Efficient ZigBee-WebSocket Based M2M Environmental Monitoring System <b>2014</b> ,		5
47	Sender-jump receiver-wait: A blind rendezvous algorithm for distributed cognitive radio networks <b>2016</b> ,		5
46	Bayesian Compressive Sensing Based Optimized Node Selection Scheme in Underwater Sensor Networks. <i>Sensors</i> , <b>2018</b> , 18,	3.8	5
45	Green small cell planning in smart cities under dynamic traffic demand <b>2015</b> ,		4
44	Scheduling and routing methods for cognitive radio sensor networks in regular topology. <i>Wireless Communications and Mobile Computing</i> , <b>2016</b> , 16, 47-58	1.9	4
43	A Resource Evaluation Model Based on Entropy Optimization Toward Green Cloud <b>2013</b> ,		4
42	Mood-fatigue analyzer <b>2014</b> ,		4
41	Towards Energy-Efficient and Secure Data Transmission in AI-Enabled Software Defined Industrial Networks. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 1-1	11.9	4
40	Channel Selection Policy in Multi-SU and Multi-PU Cognitive Radio Networks with Energy Harvesting for Internet of Everything. <i>Mobile Information Systems</i> , <b>2016</b> , 2016, 1-12	1.4	4
39	Fast Admission Control and Power Optimization With Adaptive Rates for Communication Fairness in Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , <b>2021</b> , 20, 1017-1026	4.6	4
38	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 4481-4486	11.9	4
37	BDTMS: Binomial Distribution-based Trust Management Scheme for Healthcare-oriented Wireless Sensor Network <b>2018</b> ,		4
36	Radiated Power Scaling Factor and Its Effect on The Secrecy Performance of Multi-user Massive MIMO System <b>2015</b> ,		3
35	Characteristics analysis and optimization design of entities collaboration for cloud manufacturing. <i>Concurrency Computation Practice and Experience</i> , <b>2017</b> , 29, e3948	1.4	3
34	Discovering influential users in micro-blog marketing with influence maximization mechanism <b>2012</b> ,		3
33	Efficient Security Solution for Information-centric Networking <b>2013</b> ,		3

32	Influence Strength Aware Diffusion Models for Dynamic Influence Maximization in Social Networks <b>2011,</b>		3
31	Sleep scheduling towards geographic routing in duty-cycled sensor networks with a mobile sink <b>2011,</b>		3
30	Facilities Collaboration in Cloud Manufacturing based on Generalized Collaboration Network <b>2015,</b>		3
29	RSU-Empowered Resource Pooling for Task Scheduling in Vehicular Fog Computing <b>2020,</b>		3
28	Formal Verification of Temporal Constraints for Mobile Service-Based Business Process Models. <i>IEEE Access</i> , <b>2018</b> , 6, 59843-59852	3-5	3
27	Increasing secret key capacity of OFDM systems: a geometric program approach. <i>Concurrency Computation Practice and Experience</i> , <b>2017</b> , 29, e3966	1.4	2
26	A Novel Cloud-Based Crowd Sensing Approach to Context-Aware Music Mood-Mapping for Drivers <b>2015,</b>		2
25	Virtual frame aggregation: Clustered channel access in wireless networks <b>2015,</b>		2
24	RTC: Link Schedule Based MAC Design in Multi-hop Wireless Network <b>2015,</b>		2
23	A Game Theoretical Pricing Scheme for Vehicles in Vehicular Edge Computing <b>2020,</b>		2
22	Special issue on pervasive and ubiquitous solutions for cultural enrichment. <i>Personal and Ubiquitous Computing</i> , <b>2020</b> , 24, 1-4	2.1	2
21	Task Offloading and Caching for Mobile Edge Computing <b>2021,</b>		2
20	Locality Protected Dynamic Cache Allocation Scheme on GPUs <b>2016,</b>		2
19	. <i>IEEE Transactions on Computational Social Systems</i> , <b>2021</b> , 8, 191-200	4-5	2
18	Freshness-aware initial seed selection for traffic offloading through opportunistic mobile networks <b>2018,</b>		2
17	Restricted Region Based Iterative Gradient Method for Non-Targeted Attack. <i>IEEE Access</i> , <b>2020</b> , 8, 25262-25271	3-5	1
16	Intelligent Access Scheme for Internet of Things Supported by 5G Wireless Network. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2018</b> , 341-351	0.2	1
15	Proactive Edge Caching Strategy Based on Mobility Prediction in Dense Small Cell Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2018</b> , 433-442	0.2	1



14	Performance Comparison of Source Routing Tactics for WSN of Grid Topology <b>2014</b> ,		1
13	An Android Multimedia Framework Based on Gstreamer. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2012</b> , 51-62	0.2	1
12	Sleep scheduling towards geographic routing in duty-cycled sensor networks <b>2011</b> ,		1
11	<b>2016</b> ,		1
10	A Complicated Task Solution Scheme Based on Node Cooperation for Wireless Sensor Networks <b>2016</b> ,		1
9	Adaptive Optimization with Max-Min Achievable Rate Fairness in Mobile Cloud Networking <b>2018</b> ,		1
8	Caching Assisted Correlated Task Offloading for IoT Devices in Mobile Edge Computing <b>2021</b> ,		1
7	Hidden Node and Interference Aware Channel Assignment for Multi-radio Multi-channel Wireless Mesh Networks. <i>Lecture Notes in Computer Science</i> , <b>2011</b> , 393-404	0.9	0
6	IEEE Access Special Section Editorial: Collaboration for Internet of Things. <i>IEEE Access</i> , <b>2020</b> , 8, 160329-160337	0.9	0
5	Resonance $\$p\$$ -Laplacian Problem in Edge Device Control of IoT. <i>IEEE Access</i> , <b>2019</b> , 7, 149776-149784	3.5	
4	Making It Trustable: Acoustic-Based Signcrypton Mutual Authentication for Multiwearable Devices. <i>International Journal of Distributed Sensor Networks</i> , <b>2015</b> , 11, 846739	1.7	
3	PTSLP: Position Tracking Based Source Location Privacy for Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 17-29	0.9	
2	Special issue on deep learning for on-chip learning. <i>Design Automation for Embedded Systems</i> , <b>2020</b> , 24, 127-128	0.6	
1	A Secure Resource Optimization Strategy Based on Utility Dominant in Vehicular Networks. <i>IEEE Access</i> , <b>2018</b> , 6, 55334-55344	3.5	