

Chunsheng Zhu

List of Publications by Year in Descending Order

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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	Towards Energy-Efficient and Secure Data Transmission in AI-Enabled Software Defined Industrial Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	4
138	Task Offloading and Caching for Mobile Edge Computing 2021 ,		2
137	SBBS: A Secure Blockchain-Based Scheme for IoT Data Credibility in Fog Environment. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 9268-9277	10.7	10
136	Fast Admission Control and Power Optimization With Adaptive Rates for Communication Fairness in Wireless Networks. <i>IEEE Transactions on Mobile Computing</i> , 2021 , 20, 1017-1026	4.6	4
135	. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 8, 191-200	4.5	2
134	Towards Response Time Minimization Considering Energy Consumption in Caching Assisted Vehicular Edge Computing. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	6
133	Trustworthy and Intelligent COVID-19 Diagnostic IoMT through XR and Deep Learning-based Clinic Data Access. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	18
132	Dynamic Fusion-based Federated Learning for COVID-19 Detection. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	42
131	Caching Assisted Correlated Task Offloading for IoT Devices in Mobile Edge Computing 2021 ,		1
130	Intelligent Resource Allocation for Utility Optimization in RSU-Empowered Vehicular Network. <i>IEEE Access</i> , 2020 , 8, 94453-94462	3.5	12
129	Social Interaction Assisted Resource Sharing Scheme for Device-to-Device Communication Towards Green Internet of Things. <i>IEEE Access</i> , 2020 , 8, 71652-71661	3.5	5
128	. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 9364-9375	6.8	32
127	A Lightweight Privacy-Preserving Communication Protocol for Heterogeneous IoT Environment. <i>IEEE Access</i> , 2020 , 8, 67192-67204	3.5	17
126	Freshness-Aware Seed Selection for Offloading Cellular Traffic Through Opportunistic Mobile Networks. <i>IEEE Transactions on Wireless Communications</i> , 2020 , 19, 2658-2669	9.6	16
125	Restricted Region Based Iterative Gradient Method for Non-Targeted Attack. <i>IEEE Access</i> , 2020 , 8, 25262-25271	3.3	1
124	A Game Theoretical Pricing Scheme for Vehicles in Vehicular Edge Computing 2020 ,		2
123	ConnSpoiler: Disrupting C&C Communication of IoT-Based Botnet Through Fast Detection of Anomalous Domain Queries. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 1373-1384	11.9	24

122	Special issue on pervasive and ubiquitous solutions for cultural enrichment. <i>Personal and Ubiquitous Computing</i> , 2020 , 24, 1-4	2.1	2
121	A Review on Design and Implementation of Software-Defined WLANs. <i>IEEE Systems Journal</i> , 2020 , 14, 2601-2614	4.3	8
120	RSU-Empowered Resource Pooling for Task Scheduling in Vehicular Fog Computing 2020 ,		3
119	IEEE Access Special Section Editorial: Collaboration for Internet of Things. <i>IEEE Access</i> , 2020 , 8, 160329-160337	5.9	370
118	Special issue on deep learning for on-chip learning. <i>Design Automation for Embedded Systems</i> , 2020 , 24, 127-128	0.6	
117	TCSLP: A trace cost based source location privacy protection scheme in WSNs for smart cities. <i>Future Generation Computer Systems</i> , 2020 , 107, 965-974	7.5	9
116	. <i>IEEE Transactions on Cloud Computing</i> , 2020 , 8, 1018-1029	3.3	23
115	Preserving Location Privacy in Mobile Edge Computing 2019 ,		7
114	Centralized Fusion Based on Interacting Multiple Model and Adaptive Kalman Filter for Target Tracking in Underwater Acoustic Sensor Networks. <i>IEEE Access</i> , 2019 , 7, 25948-25958	3.5	14
113	Real-Time Lateral Movement Detection Based on Evidence Reasoning Network for Edge Computing Environment. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 4285-4294	11.9	127
112	Phase Timing Optimization for Smart Traffic Control Based on Fog Computing. <i>IEEE Access</i> , 2019 , 7, 842175-84228	3.5	28
111	Resonance Ψ -Laplacian Problem in Edge Device Control of IoT. <i>IEEE Access</i> , 2019 , 7, 149776-149784	3.5	
110	. <i>IEEE Access</i> , 2019 , 7, 13476-13485	3.5	19
109	Privacy-preserving Data Aggregation Computing in Cyber-Physical Social Systems. <i>ACM Transactions on Cyber-Physical Systems</i> , 2019 , 3, 1-23	2.3	32
108	Topology-Transparent Scheduling Based on Reinforcement Learning in Self-Organized Wireless Networks. <i>IEEE Access</i> , 2018 , 6, 20221-20230	3.5	6
107	Optimization Algorithms for Multiaccess Green Communications in Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018 , 5, 1739-1748	10.7	30
106	Trust-Based Communication for the Industrial Internet of Things 2018 , 56, 16-22		91
105	. <i>IEEE Systems Journal</i> , 2018 , 12, 1518-1530	4.3	29

104	A Time-Ordered Aggregation Model-Based Centrality Metric for Mobile Social Networks. <i>IEEE Access</i> , 2018 , 6, 25588-25599	3.5	30
103	. <i>IEEE Access</i> , 2018 , 6, 23180-23190	3.5	12
102	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> , 2018 , 66-70	0.2	8
101	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> , 2018 , 341-351	0.2	1
100	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> , 2018 , 433-442	0.2	1
99	High-accuracy localization for indoor group users based on extended Kalman filter. <i>International Journal of Distributed Sensor Networks</i> , 2018 , 14, 155014771881272	1.7	7
98	Towards Smart Parking Based on Fog Computing. <i>IEEE Access</i> , 2018 , 6, 70172-70185	3.5	43
97	A Secure Resource Optimization Strategy Based on Utility Dominant in Vehicular Networks. <i>IEEE Access</i> , 2018 , 6, 55334-55344	3.5	
96	. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4481-4486	11.9	4
95	Social Sensor Cloud: Framework, Greenness, Issues, and Outlook. <i>IEEE Network</i> , 2018 , 32, 100-105	11.4	118
94	Bayesian Compressive Sensing Based Optimized Node Selection Scheme in Underwater Sensor Networks. <i>Sensors</i> , 2018 , 18,	3.8	5
93	Freshness-aware initial seed selection for traffic offloading through opportunistic mobile networks 2018 ,		2
92	Formal Verification of Temporal Constraints for Mobile Service-Based Business Process Models. <i>IEEE Access</i> , 2018 , 6, 59843-59852	3.5	3
91	BDTMS: Binomial Distribution-based Trust Management Scheme for Healthcare-oriented Wireless Sensor Network 2018 ,		4
90	Traffic Signal Phase Scheduling Based on Device-to-Device Communication. <i>IEEE Access</i> , 2018 , 6, 47636-47645	3.5	9
89	Adaptive Optimization with Max-Min Achievable Rate Fairness in Mobile Cloud Networking 2018 ,		1
88	. <i>IEEE Systems Journal</i> , 2017 , 11, 1340-1350	4.3	15
87	Dynamically Weighted Load Evaluation Method Based on Self-adaptive Threshold in Cloud Computing. <i>Mobile Networks and Applications</i> , 2017 , 22, 4-18	2.9	15

86	. <i>IEEE Systems Journal</i> , 2017 , 11, 1456-1466	4.3	24
85	. <i>IEEE Systems Journal</i> , 2017 , 11, 941-950	4.3	44
84	QoS-aware energy-efficient resource allocation in OFDM-based heterogenous cellular networks. <i>International Journal of Communication Systems</i> , 2017 , 30, e2931	1.7	12
83	A DOA Estimation Approach for Transmission Performance Guarantee in D2D Communication. <i>Mobile Networks and Applications</i> , 2017 , 22, 998-1009	2.9	20
82	Energy-Efficient Sub-Carrier and Power Allocation in Cloud-Based Cellular Network With Ambient RF Energy Harvesting. <i>IEEE Access</i> , 2017 , 5, 1340-1352	3.5	23
81	2017 , 55, 176-182		59
80	. <i>IEEE Wireless Communications</i> , 2017 , 24, 106-112	13.4	46
79	On minimizing energy consumption cost in green heterogeneous wireless networks. <i>Computer Networks</i> , 2017 , 129, 522-535	5.4	14
78	A Trust Cloud Model for Underwater Wireless Sensor Networks. <i>IEEE Communications Magazine</i> , 2017 , 55, 110-116	9.1	51
77	An Incremental CFS Algorithm for Clustering Large Data in Industrial Internet of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 1193-1201	11.9	110
76	Probabilistic Neighborhood-Based Data Collection Algorithms for 3D Underwater Acoustic Sensor Networks. <i>Sensors</i> , 2017 , 17,	3.8	11
75	2017 , 55, 24-30		68
74	Combinational Auction-Based Service Provider Selection in Mobile Edge Computing Networks. <i>IEEE Access</i> , 2017 , 5, 13455-13464	3.5	64
73	A Scheme on Indoor Tracking of Ship Dynamic Positioning Based on Distributed Multi-Sensor Data Fusion. <i>IEEE Access</i> , 2017 , 5, 379-392	3.5	19
72	Characteristics analysis and optimization design of entities collaboration for cloud manufacturing. <i>Concurrency Computation Practice and Experience</i> , 2017 , 29, e3948	1.4	3
71	An improved parallel block Lanczos algorithm over GF(2) for integer factorization. <i>Information Sciences</i> , 2017 , 379, 257-273	7.7	6
70	Increasing secret key capacity of OFDM systems: a geometric program approach. <i>Concurrency Computation Practice and Experience</i> , 2017 , 29, e3966	1.4	2
69	Toward Big Data in Green City 2017 , 55, 14-18		60

68	Predicting Temporal Social Contact Patterns for Data Forwarding in Opportunistic Mobile Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2017 , 66, 10372-10383	6.8	76
67	Food Image Recognition via Superpixel Based Low-Level and Mid-Level Distance Coding for Smart Home Applications. <i>Sustainability</i> , 2017 , 9, 856	3.6	7
66	PTSPLP: Position Tracking Based Source Location Privacy for Wireless Sensor Networks. <i>Lecture Notes in Computer Science</i> , 2017 , 17-29	0.9	
65	Scheduling and routing methods for cognitive radio sensor networks in regular topology. <i>Wireless Communications and Mobile Computing</i> , 2016 , 16, 47-58	1.9	4
64	A Novel Sensory Data Processing Framework to Integrate Sensor Networks With Mobile Cloud. <i>IEEE Systems Journal</i> , 2016 , 10, 1125-1136	4.3	74
63	Sensor-Cloud and Power Line Communication: Recent Developments and Integration 2016 ,		6
62	Mobile big data fault-tolerant processing for ehealth networks. <i>IEEE Network</i> , 2016 , 30, 36-42	11.4	103
61	Channel Selection Policy in Multi-SU and Multi-PU Cognitive Radio Networks with Energy Harvesting for Internet of Everything. <i>Mobile Information Systems</i> , 2016 , 2016, 1-12	1.4	4
60	An Indoor Ultrasonic Positioning System Based on TOA for Internet of Things. <i>Mobile Information Systems</i> , 2016 , 2016, 1-10	1.4	12
59	Original Symbol Phase Rotated Secure Transmission Against Powerful Massive MIMO Eavesdropper. <i>IEEE Access</i> , 2016 , 4, 3016-3025	3.5	61
58	Locality Protected Dynamic Cache Allocation Scheme on GPUs 2016 ,		2
57	Game-Theory-Based Active Defense for Intrusion Detection in Cyber-Physical Embedded Systems. <i>Transactions on Embedded Computing Systems</i> , 2016 , 16, 1-21	1.8	55
56	Towards an Effective Secret Key Generation Scheme for Imperfect Channel State Information 2016 ,		6
55	2016 ,		1
54	Top-k queries for multi-category RFID systems 2016 ,		19
53	Sender-jump receiver-wait: A blind rendezvous algorithm for distributed cognitive radio networks 2016 ,		5
52	. <i>IEEE Access</i> , 2016 , 4, 9043-9052	3.5	14
51	A Complicated Task Solution Scheme Based on Node Cooperation for Wireless Sensor Networks 2016 ,		1

50	SDN-Based Application Framework for Wireless Sensor and Actor Networks. <i>IEEE Access</i> , 2016 , 4, 1583-1594	3.5	24
49	. <i>IEEE Access</i> , 2016 , 4, 5374-5384	3.5	25
48	. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 1317-1328	8.9	36
47	Recent Advances in Industrial Wireless Sensor Networks Toward Efficient Management in IoT. <i>IEEE Access</i> , 2015 , 3, 622-637	3.5	181
46	Trust assistance in Sensor-Cloud 2015 ,		18
45	Green small cell planning in smart cities under dynamic traffic demand 2015 ,		4
44	Radiated Power Scaling Factor and Its Effect on The Secrecy Performance of Multi-user Massive MIMO System 2015 ,		3
43	Distributed Parameter Estimation for Mobile Wireless Sensor Network Based on Cloud Computing in Battlefield Surveillance System. <i>IEEE Access</i> , 2015 , 3, 1729-1739	3.5	63
42	Caching-as-a-Service: Virtual caching framework in the cloud-based mobile networks 2015 ,		24
41	. <i>IEEE Transactions on Information Forensics and Security</i> , 2015 , 10, 118-131	8	69
40	Toward Offering More Useful Data Reliably to Mobile Cloud From Wireless Sensor Network. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2015 , 3, 84-94	4.1	43
39	Collaborative Location-Based Sleep Scheduling for Wireless Sensor Networks Integrated with Mobile Cloud Computing. <i>IEEE Transactions on Computers</i> , 2015 , 64, 1844-1856	2.5	65
38	A Cloud Resource Evaluation Model Based on Entropy Optimization and Ant Colony Clustering. <i>Computer Journal</i> , 2015 , 58, 1254-1266	1.3	5
37	Pricing Models for Sensor-Cloud 2015 ,		6
36	A Novel Cloud-Based Crowd Sensing Approach to Context-Aware Music Mood-Mapping for Drivers 2015 ,		2
35	Green Internet of Things for Smart World. <i>IEEE Access</i> , 2015 , 3, 2151-2162	3.5	301
34	Towards Integration of Wireless Sensor Networks and Cloud Computing 2015 ,		11
33	. <i>IEEE Access</i> , 2015 , 3, 2687-2699	3.5	187

32	Virtual frame aggregation: Clustered channel access in wireless networks 2015 ,		2
31	LDPA: a local data processing architecture in ambient assisted living communications 2015 , 53, 56-63		57
30	Facilities Collaboration in Cloud Manufacturing based on Generalized Collaboration Network 2015 ,		3
29	RTC: Link Schedule Based MAC Design in Multi-hop Wireless Network 2015 ,		2
28	Making It Trustable: Acoustic-Based Signcryption Mutual Authentication for Multiwearable Devices. <i>International Journal of Distributed Sensor Networks</i> , 2015 , 11, 846739	1.7	
27	. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 6346-6355	8.9	49
26	2014 ,		6
25	Job Scheduling for Cloud Computing Integrated with Wireless Sensor Network 2014 ,		14
24	An Efficient ZigBee-WebSocket Based M2M Environmental Monitoring System 2014 ,		5
23	Mood-fatigue analyzer 2014 ,		4
22	Performance Comparison of Source Routing Tactics for WSN of Grid Topology 2014 ,		1
21	An evaluation of user importance when integrating social networks and mobile cloud computing 2014 ,		6
20	A survey on communication and data management issues in mobile sensor networks. <i>Wireless Communications and Mobile Computing</i> , 2014 , 14, 19-36	1.9	89
19	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> , 2014 , 1, e2	1.5	13
18	Fast moving object detection with non-stationary background. <i>Multimedia Tools and Applications</i> , 2013 , 67, 311-335	2.5	16
17	Providing Desirable Data to Users When Integrating Wireless Sensor Networks with Mobile Cloud 2013 ,		12
16	A Review of Key Issues That Concern the Feasibility of Mobile Cloud Computing 2013 ,		34
15	A mobile crowdsensing system enhanced by cloud-based social networking services 2013 ,		5

14	A Resource Evaluation Model Based on Entropy Optimization Toward Green Cloud 2013 ,		4
13	Efficient Security Solution for Information-centric Networking 2013 ,		3
12	Research on secure data collection in wireless multimedia sensor networks. <i>Computer Communications</i> , 2012 , 35, 1902-1909	5.1	12
11	A geographic routing oriented sleep scheduling algorithm in duty-cycled sensor networks 2012 ,		11
10	An Android Multimedia Framework Based on Gstreamer. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012 , 51-62	0.2	1
9	Discovering influential users in micro-blog marketing with influence maximization mechanism 2012 ,		3
8	Secured energy-aware sleep scheduling algorithm in duty-cycled sensor networks 2012 ,		6
7	Implementing top-k query in duty-cycled wireless sensor networks 2011 ,		7
6	Influence Strength Aware Diffusion Models for Dynamic Influence Maximization in Social Networks 2011 ,		3
5	Sleep scheduling towards geographic routing in duty-cycled sensor networks with a mobile sink 2011 ,		3
4	Sleep scheduling towards geographic routing in duty-cycled sensor networks 2011 ,		1
3	Hidden Node and Interference Aware Channel Assignment for Multi-radio Multi-channel Wireless Mesh Networks. <i>Lecture Notes in Computer Science</i> , 2011 , 393-404	0.9	0
2	SMAC-based proportional fairness backoff scheme in wireless sensor networks 2010 ,		6
1	Research issues on mobile sensor networks 2010 ,		7