

Chunsheng Zhu

List of Publications by Year in descending order

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160
papers

4,934
citations

136885

32
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114418

63
g-index

161
all docs

161
docs citations

161
times ranked

5044
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Internet of Things for Smart World. IEEE Access, 2015, 3, 2151-2162.	2.6	409
2	A Multi-Objective Optimization Scheduling Method Based on the Ant Colony Algorithm in Cloud Computing. IEEE Access, 2015, 3, 2687-2699.	2.6	275
3	Recent Advances in Industrial Wireless Sensor Networks Toward Efficient Management in IoT. IEEE Access, 2015, 3, 622-637.	2.6	251
4	Real-Time Lateral Movement Detection Based on Evidence Reasoning Network for Edge Computing Environment. IEEE Transactions on Industrial Informatics, 2019, 15, 4285-4294.	7.2	167
5	Dynamic-Fusion-Based Federated Learning for COVID-19 Detection. IEEE Internet of Things Journal, 2021, 8, 15884-15891.	5.5	159
6	An Incremental CFS Algorithm for Clustering Large Data in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2017, 13, 1193-1201.	7.2	148
7	Social Sensor Cloud: Framework, Greenness, Issues, and Outlook. IEEE Network, 2018, 32, 100-105.	4.9	133
8	A survey on communication and data management issues in mobile sensor networks. Wireless Communications and Mobile Computing, 2014, 14, 19-36.	0.8	124
9	Trust-Based Communication for the Industrial Internet of Things. , 2018, 56, 16-22.		121
10	Mobile big data fault-tolerant processing for ehealth networks. IEEE Network, 2016, 30, 36-42.	4.9	120
11	Predicting Temporal Social Contact Patterns for Data Forwarding in Opportunistic Mobile Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 10372-10383.	3.9	98
12	Distributed Parameter Estimation for Mobile Wireless Sensor Network Based on Cloud Computing in Battlefield Surveillance System. IEEE Access, 2015, 3, 1729-1739.	2.6	96
13	A Novel Sensory Data Processing Framework to Integrate Sensor Networks With Mobile Cloud. IEEE Systems Journal, 2016, 10, 1125-1136.	2.9	94
14	Collaborative Location-Based Sleep Scheduling for Wireless Sensor Networks Integrated with Mobile Cloud Computing. IEEE Transactions on Computers, 2015, 64, 1844-1856.	2.4	90
15	Combinational Auction-Based Service Provider Selection in Mobile Edge Computing Networks. IEEE Access, 2017, 5, 13455-13464.	2.6	90
16	Original Symbol Phase Rotated Secure Transmission Against Powerful Massive MIMO Eavesdropper. IEEE Access, 2016, 4, 3016-3025.	2.6	89
17	An Authenticated Trust and Reputation Calculation and Management System for Cloud and Sensor Networks Integration. IEEE Transactions on Information Forensics and Security, 2015, 10, 118-131.	4.5	84
18	Secure Multimedia Big Data in Trust-Assisted Sensor-Cloud for Smart City. , 2017, 55, 24-30.		81

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19	Mobile Vehicles as Fog Nodes for Latency Optimization in Smart Cities. IEEE Transactions on Vehicular Technology, 2020, 69, 9364-9375.	3.9	79
20	Toward Big Data in Green City. , 2017, 55, 14-18.		73
21	Multi-Method Data Delivery for Green Sensor-Cloud. , 2017, 55, 176-182.		72
22	A Trust Cloud Model for Underwater Wireless Sensor Networks. IEEE Communications Magazine, 2017, 55, 110-116.	4.9	72
23	Sleep Scheduling for Geographic Routing in Duty-Cycled Mobile Sensor Networks. IEEE Transactions on Industrial Electronics, 2014, 61, 6346-6355.	5.2	69
24	Towards Smart Parking Based on Fog Computing. IEEE Access, 2018, 6, 70172-70185.	2.6	68
25	LDPA: a local data processing architecture in ambient assisted living communications. , 2015, 53, 56-63.		67
26	Game-Theory-Based Active Defense for Intrusion Detection in Cyber-Physical Embedded Systems. Transactions on Embedded Computing Systems, 2017, 16, 1-21.	2.1	66
27	Subtask Scheduling for Distributed Robots in Cloud Manufacturing. IEEE Systems Journal, 2017, 11, 941-950.	2.9	66
28	Sleep Scheduling in Industrial Wireless Sensor Networks for Toxic Gas Monitoring. IEEE Wireless Communications, 2017, 24, 106-112.	6.6	56
29	Toward Offering More Useful Data Reliably to Mobile Cloud From Wireless Sensor Network. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 84-94.	3.2	51
30	ConnSpoiler: Disrupting C&C Communication of IoT-Based Botnet Through Fast Detection of Anomalous Domain Queries. IEEE Transactions on Industrial Informatics, 2020, 16, 1373-1384.	7.2	50
31	Trustworthy and Intelligent COVID-19 Diagnostic IoMT Through XR and Deep-Learning-Based Clinic Data Access. IEEE Internet of Things Journal, 2021, 8, 15965-15976.	5.5	48
32	Privacy-preserving Data Aggregation Computing in Cyber-Physical Social Systems. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-23.	1.9	47
33	Insights of Top- k Query in Duty-Cycled Wireless Sensor Networks. IEEE Transactions on Industrial Electronics, 2015, 62, 1317-1328.	5.2	43
34	A Multiqueue Interlacing Peak Scheduling Method Based on Tasks' Classification in Cloud Computing. IEEE Systems Journal, 2018, 12, 1518-1530.	2.9	43
35	Optimization Algorithms for Multiaccess Green Communications in Internet of Things. IEEE Internet of Things Journal, 2018, 5, 1739-1748.	5.5	40
36	A Lightweight Privacy-Preserving Communication Protocol for Heterogeneous IoT Environment. IEEE Access, 2020, 8, 67192-67204.	2.6	39

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37	A Review of Key Issues That Concern the Feasibility of Mobile Cloud Computing. , 2013, , .		37
38	SDN-Based Application Framework for Wireless Sensor and Actor Networks. IEEE Access, 2016, 4, 1583-1594.	2.6	35
39	FETMS: Fast and Efficient Trust Management Scheme for Information-Centric Networking in Internet of Things. IEEE Access, 2019, 7, 13476-13485.	2.6	34
40	Towards Pricing for Sensor-Cloud. IEEE Transactions on Cloud Computing, 2020, 8, 1018-1029.	3.1	33
41	Performance Comparison of Cognitive Radio Sensor Networks for Industrial IoT With Different Deployment Patterns. IEEE Systems Journal, 2017, 11, 1456-1466.	2.9	32
42	Energy-Efficient Sub-Carrier and Power Allocation in Cloud-Based Cellular Network With Ambient RF Energy Harvesting. IEEE Access, 2017, 5, 1340-1352.	2.6	32
43	A Time-Ordered Aggregation Model-Based Centrality Metric for Mobile Social Networks. IEEE Access, 2018, 6, 25588-25599.	2.6	32
44	Caching-as-a-Service: Virtual caching framework in the cloud-based mobile networks. , 2015, , .		29
45	Securing Uplink Transmission for Lightweight Single-Antenna UEs in the Presence of a Massive MIMO Eavesdropper. IEEE Access, 2016, 4, 5374-5384.	2.6	29
46	Centralized Fusion Based on Interacting Multiple Model and Adaptive Kalman Filter for Target Tracking in Underwater Acoustic Sensor Networks. IEEE Access, 2019, 7, 25948-25958.	2.6	27
47	Guest Editorial: Special Section on Integration of Big Data and Artificial Intelligence for Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 2562-2565.	7.2	27
48	Freshness-Aware Seed Selection for Offloading Cellular Traffic Through Opportunistic Mobile Networks. IEEE Transactions on Wireless Communications, 2020, 19, 2658-2669.	6.1	25
49	SBBS: A Secure Blockchain-Based Scheme for IoT Data Credibility in Fog Environment. IEEE Internet of Things Journal, 2021, 8, 9268-9277.	5.5	25
50	Fast moving object detection with non-stationary background. Multimedia Tools and Applications, 2013, 67, 311-335.	2.6	24
51	Top-k queries for multi-category RFID systems. , 2016, , .		24
52	Phase Timing Optimization for Smart Traffic Control Based on Fog Computing. IEEE Access, 2019, 7, 84217-84228.	2.6	24
53	A Scheme on Indoor Tracking of Ship Dynamic Positioning Based on Distributed Multi-Sensor Data Fusion. IEEE Access, 2017, 5, 379-392.	2.6	23
54	A DOA Estimation Approach for Transmission Performance Guarantee in D2D Communication. Mobile Networks and Applications, 2017, 22, 998-1009.	2.2	22

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55	Intelligent Resource Allocation for Utility Optimization in RSU-Empowered Vehicular Network. IEEE Access, 2020, 8, 94453-94462.	2.6	22
56	Trust assistance in Sensor-Cloud. , 2015, , .		21
57	Dynamically Weighted Load Evaluation Method Based on Self-adaptive Threshold in Cloud Computing. Mobile Networks and Applications, 2017, 22, 4-18.	2.2	21
58	Toward Response Time Minimization Considering Energy Consumption in Caching-Assisted Vehicular Edge Computing. IEEE Internet of Things Journal, 2022, 9, 5051-5064.	5.5	21
59	Towards Energy-Efficient and Secure Data Transmission in AI-Enabled Software Defined Industrial Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 4265-4274.	7.2	21
60	Releasing Network Isolation Problem in Group-Based Industrial Wireless Sensor Networks. IEEE Systems Journal, 2017, 11, 1340-1350.	2.9	20
61	Truthful Double Auction for Joint Internet of Energy and Profit Optimization in Cognitive Radio Networks. IEEE Access, 2018, 6, 23180-23190.	2.6	20
62	Job Scheduling for Cloud Computing Integrated with Wireless Sensor Network. , 2014, , .		19
63	On minimizing energy consumption cost in green heterogeneous wireless networks. Computer Networks, 2017, 129, 522-535.	3.2	19
64	TCSLP: A trace cost based source location privacy protection scheme in WSNs for smart cities. Future Generation Computer Systems, 2020, 107, 965-974.	4.9	19
65	An Indoor Ultrasonic Positioning System Based on TOA for Internet of Things. Mobile Information Systems, 2016, 2016, 1-10.	0.4	18
66	Geographic Routing in Duty-Cycled Industrial Wireless Sensor Networks With Radio Irregularity. IEEE Access, 2016, 4, 9043-9052.	2.6	17
67	Probabilistic Neighborhood-Based Data Collection Algorithms for 3D Underwater Acoustic Sensor Networks. Sensors, 2017, 17, 316.	2.1	17
68	Preserving Location Privacy in Mobile Edge Computing. , 2019, , .		17
69	Surfing the Internet-of-Things: Lightweight Access and Control of Wireless Sensor Networks Using Industrial Low Power Protocols. EAI Endorsed Transactions on Industrial Networks and Intelligent Systems, 2014, 1, e2.	1.5	17
70	QoS-aware energy-efficient resource allocation in OFDM-based heterogeneous cellular networks. International Journal of Communication Systems, 2017, 30, e2931.	1.6	15
71	A Review on Design and Implementation of Software-Defined WLANs. IEEE Systems Journal, 2020, 14, 2601-2614.	2.9	15
72	Research issues on mobile sensor networks. , 2010, , .		15

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73	Research on secure data collection in wireless multimedia sensor networks. Computer Communications, 2012, 35, 1902-1909.	3.1	14
74	Providing Desirable Data to Users When Integrating Wireless Sensor Networks with Mobile Cloud. , 2013, , .		14
75	Towards Integration of Wireless Sensor Networks and Cloud Computing. , 2015, , .		13
76	A Short Review on Sleep Scheduling Mechanism in Wireless Sensor Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 66-70.	0.2	13
77	A geographic routing oriented sleep scheduling algorithm in duty-cycled sensor networks. , 2012, , .		12
78	Traffic Signal Phase Scheduling Based on Device-to-Device Communication. IEEE Access, 2018, 6, 47636-47645.	2.6	12
79	A Topic Representation Model for Online Social Networks Based on Hybrid Humanâ€™Artificial Intelligence. IEEE Transactions on Computational Social Systems, 2021, 8, 191-200.	3.2	12
80	SDN-Assisted Mobile Edge Computing for Collaborative Computation Offloading in Industrial Internet of Things. IEEE Internet of Things Journal, 2022, 9, 24253-24263.	5.5	12
81	Food Image Recognition via Superpixel Based Low-Level and Mid-Level Distance Coding for Smart Home Applications. Sustainability, 2017, 9, 856.	1.6	11
82	BDTMS: Binomial Distribution-based Trust Management Scheme for Healthcare-oriented Wireless Sensor Network. , 2018, , .		10
83	Social Interaction Assisted Resource Sharing Scheme for Device-to-Device Communication Towards Green Internet of Things. IEEE Access, 2020, 8, 71652-71661.	2.6	10
84	Topology-Transparent Scheduling Based on Reinforcement Learning in Self-Organized Wireless Networks. IEEE Access, 2018, 6, 20221-20230.	2.6	9
85	High-accuracy localization for indoor group users based on extended Kalman filter. International Journal of Distributed Sensor Networks, 2018, 14, 155014771881272.	1.3	9
86	Implementing top-k query in duty-cycled wireless sensor networks. , 2011, , .		8
87	Secured energy-aware sleep scheduling algorithm in duty-cycled sensor networks. , 2012, , .		8
88	Towards an Effective Secret Key Generation Scheme for Imperfect Channel State Information. , 2016, , .		8
89	Bayesian Compressive Sensing Based Optimized Node Selection Scheme in Underwater Sensor Networks. Sensors, 2018, 18, 2568.	2.1	8
90	SMAC-based proportional fairness backoff scheme in wireless sensor networks. , 2010, , .		7

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91	Discovering influential users in micro-blog marketing with influence maximization mechanism. , 2012, , .		7
92	A trust and reputation management system for cloud and sensor networks integration. , 2014, , .		7
93	Pricing Models for Sensor-Cloud. , 2015, , .		7
94	A Cloud Resource Evaluation Model Based on Entropy Optimization and Ant Colony Clustering. Computer Journal, 2015, 58, 1254-1266.	1.5	7
95	Sender-jump receiver-wait: A blind rendezvous algorithm for distributed cognitive radio networks. , 2016, , .		7
96	Characteristics analysis and optimization design of entities collaboration for cloud manufacturing. Concurrency Computation Practice and Experience, 2017, 29, e3948.	1.4	7
97	Formal Verification of Temporal Constraints for Mobile Service-Based Business Process Models. IEEE Access, 2018, 6, 59843-59852.	2.6	7
98	Special issue on deep learning for natural language processing. Computing (Vienna/New York), 2020, 102, 601-603.	3.2	7
99	RSU-Empowered Resource Pooling for Task Scheduling in Vehicular Fog Computing. , 2020, , .		7
100	UAV Placement Optimization for Internet of Medical Things. , 2020, , .		7
101	A mobile crowdsensing system enhanced by cloud-based social networking services. , 2013, , .		6
102	Mood-fatigue analyzer. , 2014, , .		6
103	An evaluation of user importance when integrating social networks and mobile cloud computing. , 2014, , .		6
104	Channel Selection Policy in Multi-SU and Multi-PU Cognitive Radio Networks with Energy Harvesting for Internet of Everything. Mobile Information Systems, 2016, 2016, 1-12.	0.4	6
105	Sensor-Cloud and Power Line Communication: Recent Developments and Integration. , 2016, , .		6
106	An improved parallel block Lanczos algorithm over GF(2) for integer factorization. Information Sciences, 2017, 379, 257-273.	4.0	6
107	Influence Strength Aware Diffusion Models for Dynamic Influence Maximization in Social Networks. , 2011, , .		5
108	An Efficient ZigBee-WebSocket Based M2M Environmental Monitoring System. , 2014, , .		5

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109	Green small cell planning in smart cities under dynamic traffic demand. , 2015, , .		5
110	Scheduling and routing methods for cognitive radio sensor networks in regular topology. Wireless Communications and Mobile Computing, 2016, 16, 47-58.	0.8	5
111	Guest Editorial Fog Computing for Industrial Applications. IEEE Transactions on Industrial Informatics, 2018, 14, 4481-4486.	7.2	5
112	Fast Admission Control and Power Optimization With Adaptive Rates for Communication Fairness in Wireless Networks. IEEE Transactions on Mobile Computing, 2021, 20, 1017-1026.	3.9	5
113	Equivalent Sampling Oscilloscope with External Delay Embedded System. , 2011, , .		4
114	Sleep scheduling towards geographic routing in duty-cycled sensor networks with a mobile sink. , 2011, , .		4
115	A Resource Evaluation Model Based on Entropy Optimization Toward Green Cloud. , 2013, , .		4
116	A Social Awareness based Feedback Mechanism for delivery reliability in Delay Tolerant Networks. , 2015, , .		4
117	Virtual frame aggregation: Clustered channel access in wireless networks. , 2015, , .		4
118	Radiated Power Scaling Factor and Its Effect on The Secrecy Performance of Multi-user Massive MIMO System. , 2015, , .		4
119	An incremental learning classification algorithm based on forgetting factor for eHealth networks. , 2016, , .		4
120	Special issue on pervasive and ubiquitous solutions for cultural enrichment. Personal and Ubiquitous Computing, 2020, 24, 1-4.	1.9	4
121	Efficient Security Solution for Information-centric Networking. , 2013, , .		3
122	A Novel Cloud-Based Crowd Sensing Approach to Context-Aware Music Mood-Mapping for Drivers. , 2015, , .		3
123	Locality Protected Dynamic Cache Allocation Scheme on GPUs. , 2016, , .		3
124	Increasing secret key capacity of OFDM systems: a geometric program approach. Concurrency Computation Practice and Experience, 2017, 29, e3966.	1.4	3
125	Freshness-aware initial seed selection for traffic offloading through opportunistic mobile networks. , 2018, , .		3
126	Restricted Region Based Iterative Gradient Method for Non-Targeted Attack. IEEE Access, 2020, 8, 25262-25271.	2.6	3

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127	Task Offloading and Caching for Mobile Edge Computing. , 2021, , .		3
128	Facilities Collaboration in Cloud Manufacturing based on Generalized Collaboration Network. , 2015, , .		3
129	Hidden Node and Interference Aware Channel Assignment for Multi-radio Multi-channel Wireless Mesh Networks. Lecture Notes in Computer Science, 2011, , 393-404.	1.0	3
130	Caching Assisted Correlated Task Offloading for IoT Devices in Mobile Edge Computing. , 2021, , .		3
131	An Android Multimedia Framework Based on Gstreamer. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 51-62.	0.2	2
132	Collaborative location-based sleep scheduling to integrate wireless sensor networks with mobile cloud computing. , 2013, , .		2
133	RTC: Link Schedule Based MAC Design in Multi-hop Wireless Network. , 2015, , .		2
134	A Game Theoretical Pricing Scheme for Vehicles in Vehicular Edge Computing. , 2020, , .		2
135	Dynamic Aging Weight Scheme for Trust Model in Internet of Medical Things. , 2021, , .		2
136	Sleep scheduling towards geographic routing in duty-cycled sensor networks. , 2011, , .		1
137	Performance Comparison of Source Routing Tactics for WSN of Grid Topology. , 2014, , .		1
138	Total Power Minimization for High Rate Communication in Multi-channel Multi-user Wireless Networks. , 2016, , .		1
139	A Complicated Task Solution Scheme Based on Node Cooperation for Wireless Sensor Networks. , 2016, , .		1
140	Adaptive Optimization with Max-Min Achievable Rate Fairness in Mobile Cloud Networking. , 2018, , .		1
141	Editorial: Wireless Communications and Networks for Smart Cities. Mobile Networks and Applications, 2018, 23, 1522-1524.	2.2	1
142	Intelligent Access Scheme for Internet of Things Supported by 5G Wireless Network. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 341-351.	0.2	1
143	Proactive Edge Caching Strategy Based on Mobility Prediction in Dense Small Cell Networks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 433-442.	0.2	1
144	Resonance $\$p\$$ -Laplacian Problem in Edge Device Control of IoT. IEEE Access, 2019, 7, 149776-149784.	2.6	1

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145	IEEE Access Special Section Editorial: Collaboration for Internet of Things. IEEE Access, 2020, 8, 160329-160337.	2.6	1
146	Mitigating Radio Irregularity Impact: An RSSI Calibration Method for Range-Free Localization in Sensor Networks. , 2011, , .		0
147	Service-oriented trust and reputation management system for multi-tier cloud. , 2013, , .		0
148	An improved online learning algorithm and its applications on leak points prediction of gas pipe in petrochemical industries. , 2014, , .		0
149	A WSN based system for CO ₂ concentration monitoring in large-scale petrochemical plants. , 2015, , .		0
150	Secrecy analysis for forward link multi-user massive MIMO system with MRT precoding. , 2015, , .		0
151	NAPR: A node activity-based probabilistic routing algorithm in Delay Tolerant-Mobile Sensor Networks. , 2015, , .		0
152	Pillow Talks. , 2015, , .		0
153	Optimal active detection in machine-to-machine mobile networks: A repeated game approach. , 2016, , .		0
154	Measuring Centrality Metrics Based on Time-Ordered Graph in Mobile Social Networks. , 2017, , .		0
155	Editorial: Machine Learning and Intelligent Wireless Communications (MLICOM 2017). Mobile Networks and Applications, 2018, 23, 261-262.	2.2	0
156	A Secure Resource Optimization Strategy Based on Utility Dominant in Vehicular Networks. IEEE Access, 2018, 6, 55334-55344.	2.6	0
157	Special issue on machine learning for robotics. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 6141-6143.	3.3	0
158	Special issue on deep learning for on-chip learning. Design Automation for Embedded Systems, 2020, 24, 127-128.	0.7	0
159	Making It Trustable: Acoustic-Based Signcrypton Mutual Authentication for Multiwearable Devices. International Journal of Distributed Sensor Networks, 2015, 11, 846739.	1.3	0
160	PTSLP: Position Tracking Based Source Location Privacy for Wireless Sensor Networks. Lecture Notes in Computer Science, 2017, , 17-29.	1.0	0