

Siguang Chen

List of Publications by Year in descending order

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53
papers

600
citations

759233

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docs citations

53
times ranked

520
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy-Optimal Dynamic Computation Offloading for Industrial IoT in Fog Computing. IEEE Transactions on Green Communications and Networking, 2020, 4, 566-576.	5.5	69
2	Latency-aware minimum offloading decision and resource allocation for fog-enabled Internet of Things networks. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3880.	3.9	42
3	Efficient Privacy Preserving Data Collection and Computation Offloading for Fog-Assisted IoT. IEEE Transactions on Sustainable Computing, 2020, 5, 526-540.	3.1	38
4	Double-Blockchain Assisted Secure and Anonymous Data Aggregation for Fog-Enabled Smart Grid. Engineering, 2022, 8, 159-169.	6.7	37
5	Compressive network coding for wireless sensor networks: Spatio-temporal coding and optimization design. Computer Networks, 2016, 108, 345-356.	5.1	36
6	Hybrid Location-based Recommender System for Mobility and Travel Planning. Mobile Networks and Applications, 2019, 24, 1226-1239.	3.3	34
7	Layered adaptive compression design for efficient data collection in industrial wireless sensor networks. Journal of Network and Computer Applications, 2019, 129, 37-45.	9.1	33
8	Fog-based Optimized Kronecker-Supported Compression Design for Industrial IoT. IEEE Transactions on Sustainable Computing, 2020, 5, 95-106.	3.1	29
9	Delay Guaranteed Energy-Efficient Computation Offloading for Industrial IoT in Fog Computing. , 2019, , .		27
10	Compressive network coding for error control in wireless sensor networks. Wireless Networks, 2014, 20, 2605-2615.	3.0	22
11	Accelerated Distributed Optimization Design for Reconstruction of Big Sensory Data. IEEE Internet of Things Journal, 2017, 4, 1716-1725.	8.7	21
12	Privacy and Energy Co-Aware Data Aggregation Computation Offloading for Fog-Assisted IoT Networks. IEEE Access, 2020, 8, 72424-72434.	4.2	16
13	Fog Computing Based Optimized Compressive Data Collection for Big Sensory Data. , 2018, , .		15
14	A hierarchical adaptive spatio-temporal data compression scheme for wireless sensor networks. Wireless Networks, 2019, 25, 429-438.	3.0	14
15	Deep Reinforcement Learning-Based Cloud-Edge Collaborative Mobile Computation Offloading in Industrial Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 364-375.	2.8	14
16	Counteracting malicious adversaries via secret and reliable coding mechanism in random network coding. International Journal of Communication Systems, 2013, 26, 567-582.	2.5	11
17	Energy and Delay Co-aware Computation Offloading with Deep Learning in Fog Computing Networks. , 2019, , .		11
18	Anonymous multipath routing protocol based on secret sharing in mobile ad hoc networks. Journal of Systems Engineering and Electronics, 2011, 22, 519-527.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Clustered Spatio-Temporal Compression Design for Wireless Sensor Networks. , 2015, , .		9
20	Combining network coding and compressed sensing for error correction in wireless sensor networks. International Journal of Communication Systems, 2015, 28, 1303-1315.	2.5	8
21	Energy-Efficient Data Collection Scheme for Environmental Quality Management in Buildings. IEEE Access, 2018, 6, 57324-57333.	4.2	8
22	Compressed error and erasure correcting codes via rankâ€metric codes in random network coding. International Journal of Communication Systems, 2012, 25, 1398-1414.	2.5	7
23	Fog Computing Assisted Efficient Privacy Preserving Data Collection for Big Sensory Data. , 2018, , .		7
24	Design of optimal utility of wireless rechargeable sensor networks via joint spatiotemporal scheduling. Applied Mathematical Modelling, 2020, 86, 54-73.	4.2	7
25	Cooperative caching game based on social trust for D2D communication networks. International Journal of Communication Systems, 2020, 33, e4380.	2.5	7
26	A Novel Multi-Objective and Multi-Constraint Route Recommendation Method Based on Crowd Sensing. Applied Sciences (Switzerland), 2021, 11, 10497.	2.5	7
27	Traffic Prediction-Based Fast Rerouting Algorithm for Wireless Multimedia Sensor Networks. International Journal of Distributed Sensor Networks, 2013, 9, 176293.	2.2	6
28	DCT-Based Adaptive Data Compression in Wireless Sensor Networks. , 2016, , .		6
29	Promoting Security and Efficiency in D2D Underlay Communication: A Bargaining Game Approach. , 2017, , .		6
30	Improving physical layer security and efficiency in D2D underlay communication. Wireless Networks, 2019, 25, 4569-4584.	3.0	5
31	LKM: A LDA-Based<i>K</i>-Means Clustering Algorithm for Data Analysis of Intrusion Detection in Mobile Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 2015, 1-11.	2.2	5
32	Twin delayed deep deterministic policy gradient-based intelligent computation offloading for IoT. Digital Communications and Networks, 2023, 9, 836-845.	5.0	5
33	Performance analysis of cell selection solution in Macro-Pico Heterogeneous Networks. , 2016, , .		4
34	A Heuristic D2D Communication Mode Selection Algorithm. , 2017, , .		4
35	Secure multipath routing based on secret sharing in mobile ad hoc networks. , 2009, , .		3
36	Layered data aggregation with efficient privacy preservation for fogâ€assisted lIoT. International Journal of Communication Systems, 2020, 33, e4381.	2.5	3

#	ARTICLE	IF	CITATIONS
37	Efficient and Energy-Saving Computation Offloading Mechanism with Energy Harvesting for IoT. Security and Communication Networks, 2021, 2021, 1-10.	1.5	3
38	Cluster-Aware Kronecker Supported Data Collection for Sensory Data. , 2018, , .		2
39	Accelerated Sampling Optimization for RF Energy Harvesting Wireless Sensor Network. IEEE Access, 2018, 6, 52161-52168.	4.2	2
40	DDPG-based intelligent rechargeable fog computation offloading for IoT. Wireless Networks, 2022, 28, 3293-3304.	3.0	2
41	Data security in MANETs by integrating multipath routing and secret sharing. , 2010, , .		1
42	Secret Error Control Codes Against Malicious Attacks in Random Multisource Network Coding. Wireless Personal Communications, 2013, 69, 1847-1864.	2.7	1
43	Concurrent transmission mechanism to mitigate pan-exposed-node problems in wireless sensor networks. International Journal of Distributed Sensor Networks, 2017, 13, 155014771769847.	2.2	1
44	Spatial compression scheme for improving the lifetime of wireless sensor networks. , 2017, , .		1
45	Layered Compression Scheme for Efficient Data Collection of Sensory Data. , 2018, , .		1
46	Resisting Malicious Attacks via Secure Network Coding and Incentive Compatible Mechanism in Multihop Wireless Networks. Journal of Computers, 2010, 5, .	0.4	1
47	A LEAP PLUS Key Management Scheme with Sliding Time Interval. , 2016, , .		0
48	Uplink Capacity of Two-Hop Relay TDD-CDMA Cellular Networks with Time-Slot Scheduling. Wireless Personal Communications, 2017, 97, 1345-1359.	2.7	0
49	Downlink Subcarriers Required Analysis for Two-Hop OFDMA Cellular System. Wireless Personal Communications, 2017, 95, 1811-1827.	2.7	0
50	Performance analysis of load balancing in OFDMA cellular networks with inter-cell relay. International Journal of Communication Systems, 2018, 31, e3456.	2.5	0
51	Fairness Analysis of Inter-cell Relay in Downlink OFDMA Cellular Networks. Wireless Personal Communications, 2019, 107, 603-619.	2.7	0
52	DUE Distribution and Pairing in D2D Communication. , 2019, , .		0
53	Social Trusted D2D Seed Node Cluster Generation Strategy. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 310-322.	0.3	0