Xuxun Liu

List of Publications by Year
in descending order

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42 papers	1,999 citations	279798 23 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	1788 citing authors

#	Article	IF	Citations
1	Edge-Learning-Based Hierarchical Prefetching for Collaborative Information Streaming in Social IoT Systems. IEEE Transactions on Computational Social Systems, 2022, 9, 302-312.	4.4	5
2	Traffic Transfer Assisted by Super Nodes for Strip-Shaped Wireless Sensor Networks. IEEE Internet of Things Journal, 2022, 9, 7120-7127.	8.7	4
3	Global Resource Allocation for High Throughput and Low Delay in High-Density VANETs. IEEE Transactions on Wireless Communications, 2022, 21, 9509-9518.	9.2	1
4	Load-Balanced Topology Rebuilding for Disconnected Wireless Sensor Networks With Delay Constraint. IEEE Transactions on Sustainable Computing, 2022, , 1-11.	3.1	0
5	Utility-Aware Charging Scheduling for Multiple Mobile Chargers in Large-Scale Wireless Rechargeable Sensor Networks. IEEE Transactions on Sustainable Computing, 2021, 6, 679-690.	3.1	24
6	Channel Resource Scheduling for Stringent Demand of Emergency Data Transmission in WBANs. IEEE Transactions on Wireless Communications, 2021, 20, 2341-2352.	9.2	18
7	Quick Convex Hull-Based Rendezvous Planning for Delay-Harsh Mobile Data Gathering in Disjoint Sensor Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3844-3854.	9.3	43
8	Efficient Resource Scheduling for Interference Alleviation in Dynamic Coexisting WBANs. IEEE Transactions on Mobile Computing, 2021, , 1-1.	5.8	6
9	Exploring Deep Reinforcement Learning for Task Dispatching in Autonomous On-Demand Services. ACM Transactions on Knowledge Discovery From Data, 2021, 15, 1-23.	3.5	5
10	Importance-Different Charging Scheduling Based on Matroid Theory for Wireless Rechargeable Sensor Networks. IEEE Transactions on Wireless Communications, 2021, 20, 3284-3294.	9.2	20
11	Resource Scheduling Based on Priority Ladders for Multiple Performance Requirements in Wireless Body Area Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 7027-7036.	6.3	10
12	Latency-Aware Path Planning for Disconnected Sensor Networks With Mobile Sinks. IEEE Transactions on Industrial Informatics, 2020, 16, 350-361.	11.3	46
13	Enhancing Physical Layer Security in Internet of Things via Feedback: A General Framework. IEEE Internet of Things Journal, 2020, 7, 99-115.	8.7	13
14	Restoring Connectivity of Damaged Sensor Networks for Long-Term Survival in Hostile Environments. IEEE Internet of Things Journal, 2020, 7, 1205-1215.	8.7	26
15	A Q-learning based Method for Energy-Efficient Computation Offloading in Mobile Edge Computing. , 2020, , .		16
16	Detection of Temporal Communities in Mobile Social Networks. , 2020, , .		0
17	Common Throughput Maximization in Wireless Powered Communication Networks With Non-Orthogonal Multiple Access. IEEE Transactions on Vehicular Technology, 2020, 69, 7692-7706.	6.3	14
18	Objective-Variable Tour Planning for Mobile Data Collection in Partitioned Sensor Networks. IEEE Transactions on Mobile Computing, 2020, , 1-1.	5.8	44

#	Article	IF	Citations
19	Incentive-driven Data Offloading and Caching Replacement Scheme in Opportunistic Mobile Networks. , 2020, , .		0
20	Energy Provision Minimization in Wireless Powered Communication Networks With Node Throughput Requirement. IEEE Transactions on Vehicular Technology, 2019, 68, 7057-7070.	6.3	21
21	Data Collection in Underwater Sensor Networks based on Mobile Edge Computing. IEEE Access, 2019, 7, 65357-65367.	4.2	59
22	Feedback Coding Schemes for the Broadcast Channel With Mutual Secrecy Requirement at the Receivers. IEEE Transactions on Communications, 2019, 67, 6039-6052.	7.8	3
23	Load-Balanced Data Dissemination for Wireless Sensor Networks: A Nature-Inspired Approach. IEEE Internet of Things Journal, 2019, 6, 9256-9265.	8.7	51
24	A Cost-Efficient Greedy Code Dissemination Scheme Through Vehicle to Sensing Devices (V2SD) Communication in Smart City. IEEE Access, 2019, 7, 16675-16694.	4.2	35
25	Data Drainage: A Novel Load Balancing Strategy for Wireless Sensor Networks. IEEE Communications Letters, 2018, 22, 125-128.	4.1	71
26	Joint Scheduling of Tasks and Network Flows in Big Data Clusters. IEEE Access, 2018, 6, 66600-66611.	4.2	6
27	A Trust and Priority Based Code Updated Approach to Guarantee Security for Vehicles Network. IEEE Access, 2018, 6, 55780-55796.	4.2	16
28	An Effective Crowdsourcing Data Reporting Scheme to Compose Cloud-Based Services in Mobile Robotic Systems. IEEE Access, 2018, 6, 54683-54700.	4.2	18
29	Minimizing Delay and Transmission Times with Long Lifetime in Code Dissemination Scheme for High Loss Ratio and Low Duty Cycle Wireless Sensor Networks. Sensors, 2018, 18, 3516.	3.8	31
30	Survivability-Aware Connectivity Restoration for Partitioned Wireless Sensor Networks. IEEE Communications Letters, 2017, 21, 2444-2447.	4.1	38
31	Energy-Balanced Transmission With Accurate Distances for Strip-Based Wireless Sensor Networks. IEEE Access, 2017, 5, 16193-16204.	4.2	55
32	Routing Protocols Based on Ant Colony Optimization in Wireless Sensor Networks: A Survey. IEEE Access, 2017, 5, 26303-26317.	4.2	67
33	Node Deployment Based on Extra Path Creation for Wireless Sensor Networks on Mountain Roads. IEEE Communications Letters, 2017, 21, 2376-2379.	4.1	42
34	A novel transmission range adjustment strategy for energy hole avoiding in wireless sensor networks. Journal of Network and Computer Applications, 2016, 67, 43-52.	9.1	78
35	A Node Deployment Strategy for Blindness Avoiding in Wireless Sensor Networks. IEEE Communications Letters, 2015, 19, 1005-1008.	4.1	32
36	An Optimal-Distance-Based Transmission Strategy for Lifetime Maximization of Wireless Sensor Networks. IEEE Sensors Journal, 2015, 15, 3484-3491.	4.7	84

#	Article	IF	Citations
37	Atypical Hierarchical Routing Protocols for Wireless Sensor Networks: A Review. IEEE Sensors Journal, 2015, 15, 5372-5383.	4.7	185
38	A Deployment Strategy for Multiple Types of Requirements in Wireless Sensor Networks. IEEE Transactions on Cybernetics, 2015, 45, 2364-2376.	9.5	84
39	Ant colony optimization with greedy migration mechanism for node deployment in wireless sensor networks. Journal of Network and Computer Applications, 2014, 39, 310-318.	9.1	111
40	A Transmission Scheme for Wireless Sensor Networks Using Ant Colony Optimization With Unconventional Characteristics. IEEE Communications Letters, 2014, 18, 1214-1217.	4.1	35
41	Sensor Deployment of Wireless Sensor Networks Based on Ant Colony Optimization with Three Classes of Ant Transitions. IEEE Communications Letters, 2012, 16, 1604-1607.	4.1	56
42	A Survey on Clustering Routing Protocols in Wireless Sensor Networks. Sensors, 2012, 12, 11113-11153.	3.8	526