

Dai Haipeng

List of Publications by Year in descending order

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95
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times ranked

1130
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated CNN and Federated Learning for COVID-19 Detection on Chest X-Ray Images. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2024, , 1-11.	3.0	31
2	Near Optimal Charging Schedule for 3-D Wireless Rechargeable Sensor Networks. IEEE Transactions on Mobile Computing, 2023, 22, 3525-3540.	5.8	10
3	Reusing Delivery Drones for Urban Crowdsensing. IEEE Transactions on Mobile Computing, 2023, 22, 2972-2988.	5.8	16
4	Placing Wireless Chargers With Limited Mobility. IEEE Transactions on Mobile Computing, 2023, 22, 3589-3603.	5.8	21
5	Near-Optimal and Collaborative Service Caching in Mobile Edge Clouds. IEEE Transactions on Mobile Computing, 2023, 22, 4070-4085.	5.8	6
6	Comprehensive Cost Optimization for Charger Deployment in Multi-hop Wireless Charging. IEEE Transactions on Mobile Computing, 2023, 22, 4563-4577.	5.8	1
7	ROSE: Robustly Safe Charging for Wireless Power Transfer. IEEE Transactions on Mobile Computing, 2022, 21, 2180-2197.	5.8	38
8	Exploiting Non-Cooperative Game Against Cache Pollution Attack in Vehicular Content Centric Network. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 3873-3886.	5.4	3
9	Deployment of Unmanned Aerial Vehicles for Anisotropic Monitoring Tasks. IEEE Transactions on Mobile Computing, 2022, 21, 495-513.	5.8	7
10	Trading off Charging and Sensing for Stochastic Events Monitoring in WRSNs. IEEE/ACM Transactions on Networking, 2022, 30, 557-571.	3.8	24
11	Energy-Aware Collaborative Service Caching in a 5G-Enabled MEC With Uncertain Payoffs. IEEE Transactions on Communications, 2022, 70, 1058-1071.	7.8	16
12	Continuous Network Update With Consistency Guaranteed in Software-Defined Networks. IEEE/ACM Transactions on Networking, 2022, 30, 1424-1438.	3.8	2
13	Packet-in request redirection: A load-balancing mechanism for minimizing control plane response time in SDNs. Journal of Systems Architecture, 2022, 129, 102590.	4.3	1
14	CoTask: Correlation-aware task offloading in edge computing. World Wide Web, 2022, 25, 2185-2213.	4.0	2
15	DUET: Joint Deployment of Trucks and Drones for Object Monitoring. , 2022, , .		0
16	Charging Task Scheduling for Directional Wireless Charger Networks. IEEE Transactions on Mobile Computing, 2021, 20, 3163-3180.	5.8	16
17	Connectivity-Constrained Placement of Wireless Chargers. IEEE Transactions on Mobile Computing, 2021, 20, 909-927.	5.8	13
18	WiTrace: Centimeter-Level Passive Gesture Tracking Using OFDM Signals. IEEE Transactions on Mobile Computing, 2021, 20, 1730-1745.	5.8	17

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19	Minimizing Charging Delay for Directional Charging. IEEE/ACM Transactions on Networking, 2021, 29, 2478-2493.	3.8	29
20	Cooperative Assurance of Cache Data Integrity for Mobile Edge Computing. IEEE Transactions on Information Forensics and Security, 2021, 16, 4648-4662.	6.9	27
21	MORE. ACM Transactions on Sensor Networks, 2021, 17, 1-21.	3.6	8
22	Service Provisioning for UAV-Enabled Mobile Edge Computing. IEEE Journal on Selected Areas in Communications, 2021, 39, 3287-3305.	14.0	42
23	Improving in-memory file system reading performance by fine-grained user-space cache mechanisms. Journal of Systems Architecture, 2021, 115, 101994.	4.3	3
24	Charging on the Move: Scheduling Static Chargers with Tunable Power for Mobile Devices. , 2021, , .		2
25	Buffer-Assisted Network Updates in Timed SDN. IEEE Transactions on Communications, 2021, , 1-1.	7.8	2
26	Task Selection and Scheduling in UAV-Enabled MEC for Reconnaissance With Time-Varying Priorities. IEEE Internet of Things Journal, 2021, 8, 17290-17307.	8.7	20
27	Cooperative Charging as Service: Scheduling for Mobile Wireless Rechargeable Sensor Networks. , 2021, , .		6
28	ROVEC: Runtime Optimization of Vectorized Expression Evaluation for Column Store. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	1
29	Liquid: Intelligent Resource Estimation and Network-Efficient Scheduling for Deep Learning Jobs on Distributed GPU Clusters. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	5.6	26
30	Recycling Wasted Energy for Mobile Charging. , 2021, , .		5
31	Efficient Edge Intelligence under Clustering for UAV Swarm Networks. , 2021, , .		3
32	CHASE: Charging and Scheduling Scheme for Stochastic Event Capture in Wireless Rechargeable Sensor Networks. IEEE Transactions on Mobile Computing, 2020, 19, 44-59.	5.8	59
33	Posted Pricing for Chance Constrained Robust Crowdsensing. IEEE Transactions on Mobile Computing, 2020, 19, 188-199.	5.8	28
34	Practical Heterogeneous Wireless Charger Placement with Obstacles. IEEE Transactions on Mobile Computing, 2020, 19, 1910-1927.	5.8	30
35	Area Charging for Wireless Rechargeable Sensors. , 2020, , .		5
36	Robust Server Placement for Edge Computing. , 2020, , .		18

#	ARTICLE	IF	CITATIONS
37	Maximizing Charging Utility with Obstacles through Fresnel Diffraction Model. , 2020, , .		21
38	Joint Sensor Selection and Energy Allocation for Tasks-Driven Mobile Charging in Wireless Rechargeable Sensor Networks. IEEE Internet of Things Journal, 2020, 7, 11505-11523.	8.7	21
39	Placing Wireless Chargers with Limited Mobility. , 2020, , .		16
40	Trading off Charging and Sensing for Stochastic Events Monitoring in WRSNs. , 2020, , .		6
41	Radiation Constrained Wireless Charger Placement. IEEE/ACM Transactions on Networking, 2020, , 1-17.	3.8	15
42	Thresholded Monitoring in Distributed Data Streams. IEEE/ACM Transactions on Networking, 2020, 28, 1033-1046.	3.8	1
43	Placement of Unmanned Aerial Vehicles for Directional Coverage in 3D Space. IEEE/ACM Transactions on Networking, 2020, 28, 888-901.	3.8	24
44	Finding Persistent Items in Distributed Datasets. IEEE/ACM Transactions on Networking, 2020, 28, 1-14.	3.8	15
45	UltraGesture: Fine-Grained Gesture Sensing and Recognition. IEEE Transactions on Mobile Computing, 2020, , 1-1.	5.8	24
46	Trajectory Planning for Reconnaissance Mission Based on Fair-Energy UAVs Cooperation. IEEE Access, 2019, 7, 91120-91133.	4.2	15
47	VISIT: Placement of Unmanned Aerial Vehicles for Anisotropic Monitoring Tasks. , 2019, , .		7
48	Thresholded Monitoring in Distributed Data Streams. , 2019, , .		2
49	Analysis and Optimization of Ambiguity Function in Radar-Communication Integrated Systems Using MPSK-DSSS. IEEE Wireless Communications Letters, 2019, 8, 1546-1549.	5.0	20
50	Completion Time Minimization for Multi-UAV Information Collection via Trajectory Planning. Sensors, 2019, 19, 4032.	3.8	27
51	Charging Oriented Sensor Placement and Flexible Scheduling in Rechargeable WSNs. , 2019, , .		45
52	Collaborated Tasks-driven Mobile Charging and Scheduling: A Near Optimal Result. , 2019, , .		37
53	PANDA: Placement of Unmanned Aerial Vehicles Achieving 3D Directional Coverage. , 2019, , .		12
54	Robust Scheduling for Wireless Charger Networks. , 2019, , .		31

#	ARTICLE	IF	CITATIONS
55	Scheduling dependent coflows to minimize the total weighted job completion time in datacenters. Computer Networks, 2019, 158, 193-205.	5.1	5
56	Radiation Constrained Fair Charging for Wireless Power Transfer. ACM Transactions on Sensor Networks, 2019, 15, 1-33.	3.6	17
57	Trajectory Planning for Data Collection of Energy-Constrained Heterogeneous UAVs. Sensors, 2019, 19, 4884.	3.8	13
58	Near Optimal Charging Scheduling for 3-D Wireless Rechargeable Sensor Networks with Energy Constraints. , 2019, , .		22
59	Maximizing D2D-Based Offloading Efficiency With Throughput Guarantee and Buffer Constraint. IEEE Transactions on Vehicular Technology, 2019, 68, 832-842.	6.3	9
60	A K-Anonymity Based Schema for Location Privacy Preservation. IEEE Transactions on Sustainable Computing, 2019, 4, 156-167.	3.1	49
61	Congestion-Minimizing Network Update in Data Centers. IEEE Transactions on Services Computing, 2019, 12, 800-812.	4.6	5
62	SCAPE: Safe Charging With Adjustable Power. IEEE/ACM Transactions on Networking, 2018, 26, 520-533.	3.8	69
63	Radiation Constrained Scheduling of Wireless Charging Tasks. IEEE/ACM Transactions on Networking, 2018, 26, 314-327.	3.8	77
64	Fair-Energy Trajectory Plan for Reconnaissance Mission Based on UAVs Cooperation. , 2018, , .		7
65	Hermes: Utility-Aware Network Update in Software-Defined WANs. , 2018, , .		10
66	Finding Persistent Items in Distributed Datasets. , 2018, , .		29
67	Depth Aware Finger Tapping on Virtual Displays. , 2018, , .		33
68	Placement of Connected Wireless Chargers. , 2018, , .		28
69	Identifying and Estimating Persistent Items in Data Streams. IEEE/ACM Transactions on Networking, 2018, 26, 2429-2442.	3.8	24
70	UltraGesture: Fine-Grained Gesture Sensing and Recognition. , 2018, , .		43
71	WiTrace: Centimeter-Level Passive Gesture Tracking Using WiFi Signals. , 2018, , .		16
72	MPF: Prolonging Network Lifetime of Wireless Rechargeable Sensor Networks by Mixing Partial Charge and Full Charge. , 2018, , .		32

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73	Heterogeneous Wireless Charger Placement with Obstacles. , 2018, , .		16
74	Charging Task Scheduling for Directional Wireless Charger Networks. , 2018, , .		17
75	Wireless Charger Placement for Directional Charging. IEEE/ACM Transactions on Networking, 2018, 26, 1865-1878.	3.8	65
76	Multicast in Multihop CRNs Under Uncertain Spectrum Availability: A Network Coding Approach. IEEE/ACM Transactions on Networking, 2017, 25, 2026-2039.	3.8	4
77	Optimizing wireless charger placement for directional charging. , 2017, , .		61
78	Radiation Constrained Scheduling of Wireless Charging Tasks. , 2017, , .		22
79	Safe Charging for Wireless Power Transfer. IEEE/ACM Transactions on Networking, 2017, 25, 3531-3544.	3.8	100
80	Radiation Constrained Fair Wireless Charging. , 2017, , .		20
81	Chronus: Consistent Data Plane Updates in Timed SDNs. , 2017, , .		24
82	Scheduling Congestion- and Loop-Free Network Update in Timed SDNs. IEEE Journal on Selected Areas in Communications, 2017, 35, 2542-2552.	14.0	24
83	Omnidirectional chargability with directional antennas. , 2016, , .		32
84	Radiation constrained wireless charger placement. , 2016, , .		52
85	Finding persistent items in data streams. Proceedings of the VLDB Endowment, 2016, 10, 289-300.	3.8	64
86	Noisy Bloom Filters for Multi-Set Membership Testing. , 2016, , .		32
87	Practical scheduling for stochastic event capture in energy harvesting sensor networks. International Journal of Sensor Networks, 2015, 18, 85.	0.4	27
88	Minimizing Transient Congestion during Network Update in Data Centers. , 2015, , .		46
89	Network coding-based multicast in multi-hop CRNs under uncertain spectrum availability. , 2015, , .		6
90	Quality of Energy Provisioning for Wireless Power Transfer. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 527-537.	5.6	72

#	ARTICLE	IF	CITATIONS
91	Safe Charging for wireless power transfer. , 2014, , .		76
92	Minimizing the number of mobile chargers for large-scale wireless rechargeable sensor networks. Computer Communications, 2014, 46, 54-65.	5.1	115
93	Impact of mobility on energy provisioning in wireless rechargeable sensor networks. , 2013, , .		31
94	Near Optimal Charging and Scheduling Scheme for Stochastic Event Capture with Rechargeable Sensors. , 2013, , .		40
95	Online computation offloading for deadline-aware tasks in edge computing. Wireless Networks, 0, , 1.	3.0	1