Dai Haipeng

List of Publications by Year
in descending order

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95 papers	2,312 citations	304743 22 h-index	345221 36 g-index
95 all docs	95 docs citations	95 times ranked	1130 citing authors

#	Article	IF	Citations
1	Minimizing the number of mobile chargers for large-scale wireless rechargeable sensor networks. Computer Communications, 2014, 46, 54-65.	5.1	115
2	Safe Charging for Wireless Power Transfer. IEEE/ACM Transactions on Networking, 2017, 25, 3531-3544.	3.8	100
3	Radiation Constrained Scheduling of Wireless Charging Tasks. IEEE/ACM Transactions on Networking, 2018, 26, 314-327.	3.8	77
4	Safe Charging for wireless power transfer. , 2014, , .		76
5	Quality of Energy Provisioning for Wireless Power Transfer. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 527-537.	5.6	72
6	SCAPE: Safe Charging With Adjustable Power. IEEE/ACM Transactions on Networking, 2018, 26, 520-533.	3.8	69
7	Wireless Charger Placement for Directional Charging. IEEE/ACM Transactions on Networking, 2018, 26, 1865-1878.	3.8	65
8	Finding persistent items in data streams. Proceedings of the VLDB Endowment, 2016, 10, 289-300.	3.8	64
9	Optimizing wireless charger placement for directional charging. , 2017, , .		61
10	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
11	Radiation constrained wireless charger placement. , 2016, , .		52
12	A K-Anonymity Based Schema for Location Privacy Preservation. IEEE Transactions on Sustainable Computing, 2019, 4, 156-167.	3.1	49
13	Minimizing Transient Congestion during Network Update in Data Centers. , 2015, , .		46
14	Charging Oriented Sensor Placement and Flexible Scheduling in Rechargeable WSNs. , 2019, , .		45
15	UltraGesture: Fine-Grained Gesture Sensing and Recognition. , 2018, , .		43
16	Service Provisioning for UAV-Enabled Mobile Edge Computing. IEEE Journal on Selected Areas in Communications, 2021, 39, 3287-3305.	14.0	42
17	Near Optimal Charging and Scheduling Scheme for Stochastic Event Capture with Rechargeable Sensors. , 2013, , .		40
18	ROSE: Robustly Safe Charging for Wireless Power Transfer. IEEE Transactions on Mobile Computing, 2022, 21, 2180-2197.	5.8	38

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19	Collaborated Tasks-driven Mobile Charging and Scheduling: A Near Optimal Result. , 2019, , .		37
20	Depth Aware Finger Tapping on Virtual Displays. , 2018, , .		33
21	Omnidirectional chargability with directional antennas. , 2016, , .		32
22	MPF: Prolonging Network Lifetime of Wireless Rechargeable Sensor Networks by Mixing Partial Charge and Full Charge. , 2018, , .		32
23	Noisy Bloom Filters for Multi-Set Membership Testing. , 2016, , .		32
24	Impact of mobility on energy provisioning in wireless rechargeable sensor networks. , 2013, , .		31
25	Robust Scheduling for Wireless Charger Networks. , 2019, , .		31
26	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
27	Practical Heterogeneous Wireless Charger Placement with Obstacles. IEEE Transactions on Mobile Computing, 2020, 19, 1910-1927.	5.8	30
28	Finding Persistent Items in Distributed Datasets. , 2018, , .		29
29	Minimizing Charging Delay for Directional Charging. IEEE/ACM Transactions on Networking, 2021, 29, 2478-2493.	3.8	29
30	Placement of Connected Wireless Chargers. , 2018, , .		28
31	Posted Pricing for Chance Constrained Robust Crowdsensing. IEEE Transactions on Mobile Computing, 2020, 19, 188-199.	5.8	28
32	Practical scheduling for stochastic event capture in energy harvesting sensor networks. International Journal of Sensor Networks, 2015, 18, 85.	0.4	27
33	Completion Time Minimization for Multi-UAV Information Collection via Trajectory Planning. Sensors, 2019, 19, 4032.	3.8	27
34	Cooperative Assurance of Cache Data Integrity for Mobile Edge Computing. IEEE Transactions on Information Forensics and Security, 2021, 16, 4648-4662.	6.9	27
35	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
36	Chronus: Consistent Data Plane Updates in Timed SDNs. , 2017, , .		24

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37	Scheduling Congestion- and Loop-Free Network Update in Timed SDNs. IEEE Journal on Selected Areas in Communications, 2017, 35, 2542-2552.	14.0	24
38	Identifying and Estimating Persistent Items in Data Streams. IEEE/ACM Transactions on Networking, 2018, 26, 2429-2442.	3.8	24
39	Placement of Unmanned Aerial Vehicles for Directional Coverage in 3D Space. IEEE/ACM Transactions on Networking, 2020, 28, 888-901.	3.8	24
40	Trading off Charging and Sensing for Stochastic Events Monitoring in WRSNs. IEEE/ACM Transactions on Networking, 2022, 30, 557-571.	3.8	24
41	UltraGesture: Fine-Grained Gesture Sensing and Recognition. IEEE Transactions on Mobile Computing, 2020, , 1-1.	5.8	24
42	Radiation Constrained Scheduling of Wireless Charging Tasks. , 2017, , .		22
43	Near Optimal Charging Scheduling for 3-D Wireless Rechargeable Sensor Networks with Energy Constraints. , 2019, , .		22
44	Maximizing Charging Utility with Obstacles through Fresnel Diffraction Model. , 2020, , .		21
45	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
46	Placing Wireless Chargers With Limited Mobility. IEEE Transactions on Mobile Computing, 2023, 22, 3589-3603.	5.8	21
47	Radiation Constrained Fair Wireless Charging. , 2017, , .		20
48	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
49	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
50	Robust Server Placement for Edge Computing. , 2020, , .		18
51	Charging Task Scheduling for Directional Wireless Charger Networks. , 2018, , .		17
52	Radiation Constrained Fair Charging for Wireless Power Transfer. ACM Transactions on Sensor Networks, 2019, 15, 1-33.	3.6	17
53	WiTrace: Centimeter-Level Passive Gesture Tracking Using OFDM Signals. IEEE Transactions on Mobile Computing, 2021, 20, 1730-1745.	5.8	17
54	WiTrace: Centimeter-Level Passive Gesture Tracking Using WiFi Signals. , 2018, , .		16

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55	Heterogeneous Wireless Charger Placement with Obstacles. , 2018, , .		16
56	Placing Wireless Chargers with Limited Mobility. , 2020, , .		16
57	Charging Task Scheduling for Directional Wireless Charger Networks. IEEE Transactions on Mobile Computing, 2021, 20, 3163-3180.	5.8	16
58	Energy-Aware Collaborative Service Caching in a 5G-Enabled MEC With Uncertain Payoffs. IEEE Transactions on Communications, 2022, 70, 1058-1071.	7.8	16
59	Reusing Delivery Drones for Urban Crowdsensing. IEEE Transactions on Mobile Computing, 2023, 22, 2972-2988.	5.8	16
60	Trajectory Planning for Reconnaissance Mission Based on Fair-Energy UAVs Cooperation. IEEE Access, 2019, 7, 91120-91133.	4.2	15
61	Radiation Constrained Wireless Charger Placement. IEEE/ACM Transactions on Networking, 2020, , 1-17.	3.8	15
62	Finding Persistent Items in Distributed Datasets. IEEE/ACM Transactions on Networking, 2020, 28, 1-14.	3.8	15
63	Trajectory Planning for Data Collection of Energy-Constrained Heterogeneous UAVs. Sensors, 2019, 19, 4884.	3.8	13
64	Connectivity-Constrained Placement of Wireless Chargers. IEEE Transactions on Mobile Computing, 2021, 20, 909-927.	5.8	13
65	PANDA: Placement of Unmanned Aerial Vehicles Achieving 3D Directional Coverage. , 2019, , .		12
66	Hermes: Utility-Aware Network Update in Software-Defined WANs. , 2018, , .		10
67	Near Optimal Charging Schedule for 3-D Wireless Rechargeable Sensor Networks. IEEE Transactions on Mobile Computing, 2023, 22, 3525-3540.	5.8	10
68	Maximizing D2D-Based Offloading Efficiency With Throughput Guarantee and Buffer Constraint. IEEE Transactions on Vehicular Technology, 2019, 68, 832-842.	6.3	9
69	MORE. ACM Transactions on Sensor Networks, 2021, 17, 1-21.	3.6	8
70	Fair-Energy Trajectory Plan for Reconnaissance Mission Based on UAVs Cooperation. , 2018, , .		7
71	VISIT: Placement of Unmanned Aerial Vehicles for Anisotropic Monitoring Tasks. , 2019, , .		7
72	Deployment of Unmanned Aerial Vehicles for Anisotropic Monitoring Tasks. IEEE Transactions on Mobile Computing, 2022, 21, 495-513.	5.8	7

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73	Network coding-based multicast in multi-hop CRNs under uncertain spectrum availability. , 2015, , .		6
74	Trading off Charging and Sensing for Stochastic Events Monitoring in WRSNs. , 2020, , .		6
75	Cooperative Charging as Service: Scheduling for Mobile Wireless Rechargeable Sensor Networks. , 2021, , .		6
76	Near-Optimal and Collaborative Service Caching in Mobile Edge Clouds. IEEE Transactions on Mobile Computing, 2023, 22, 4070-4085.	5.8	6
77	Scheduling dependent coflows to minimize the total weighted job completion time in datacenters. Computer Networks, 2019, 158, 193-205.	5.1	5
78	Congestion-Minimizing Network Update in Data Centers. IEEE Transactions on Services Computing, 2019, 12, 800-812.	4.6	5
79	Area Charging for Wireless Rechargeable Sensors. , 2020, , .		5
80	Recycling Wasted Energy for Mobile Charging. , 2021, , .		5
81	Multicast in Multihop CRNs Under Uncertain Spectrum Availability: A Network Coding Approach. IEEE/ACM Transactions on Networking, 2017, 25, 2026-2039.	3.8	4
82	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
83	Improving in-memory file system reading performance by fine-grained user-space cache mechanisms. Journal of Systems Architecture, 2021, 115, 101994.	4.3	3
84	Efficient Edge Intelligence under Clustering for UAV Swarm Networks. , 2021, , .		3
85	Thresholded Monitoring in Distributed Data Streams. , 2019, , .		2
86	Charging on the Move: Scheduling Static Chargers with Tunable Power for Mobile Devices. , 2021, , .		2
87	Buffer-Assisted Network Updates in Timed SDN. IEEE Transactions on Communications, 2021, , 1-1.	7.8	2
88	Continuous Network Update With Consistency Guaranteed in Software-Defined Networks. IEEE/ACM Transactions on Networking, 2022, 30, 1424-1438.	3.8	2
89	CoTask: Correlation-aware task offloading in edge computing. World Wide Web, 2022, 25, 2185-2213.	4.0	2
90	Thresholded Monitoring in Distributed Data Streams. IEEE/ACM Transactions on Networking, 2020, 28, 1033-1046.	3.8	1

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91	ROVEC: Runtime Optimization of Vectorized Expression Evaluation for Column Store. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	1
92	Online computation offloading for deadline-aware tasks in edge computing. Wireless Networks, 0, , 1.	3.0	1
93	Comprehensive Cost Optimization for Charger Deployment in Multi-hop Wireless Charging. IEEE Transactions on Mobile Computing, 2023, 22, 4563-4577.	5.8	1
94	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
95	DUET: Joint Deployment of Trucks and Drones for Object Monitoring. , 2022, , .		0