Tao Han

List of Publications by Year in descending order

57 papers	1,790 citations	394421 19 h-index	526287 27 g-index
57 all docs	57 docs citations	57 times ranked	1844 citing authors

#	ARTICLE	IF	CITATIONS
1	On Optimizing Green Energy Utilization for Cellular Networks with Hybrid Energy Supplies. IEEE Transactions on Wireless Communications, 2013, 12, 3872-3882.	9.2	202
2	On Green-Energy-Powered Cognitive Radio Networks. IEEE Communications Surveys and Tutorials, 2015, 17, 827-842.	39.4	174
3	On Mobile Edge Caching. IEEE Communications Surveys and Tutorials, 2019, 21, 2525-2553.	39.4	161
4	Online Proactive Caching in Mobile Edge Computing Using Bidirectional Deep Recurrent Neural Network. IEEE Internet of Things Journal, 2019, 6, 5520-5530.	8.7	131
5	An Edge Network Orchestrator for Mobile Augmented Reality. , 2018, , .		127
6	A Traffic Load Balancing Framework for Software-Defined Radio Access Networks Powered by Hybrid Energy Sources. IEEE/ACM Transactions on Networking, 2016, 24, 1038-1051.	3.8	115
7	ICE: Intelligent Cell BrEathing to Optimize the Utilization of Green Energy. IEEE Communications Letters, 2012, 16, 866-869.	4.1	64
8	Network Utility Aware Traffic Load Balancing in Backhaul-Constrained Cache-Enabled Small Cell Networks with Hybrid Power Supplies. IEEE Transactions on Mobile Computing, 2017, 16, 2819-2832.	5.8	55
9	DARE: Dynamic Adaptive Mobile Augmented Reality with Edge Computing. , 2018, , .		55
10	DRAPS: Dynamic and resource-aware placement scheme for docker containers in a heterogeneous cluster. , 2017, , .		51
11	Air-Ground Integrated Mobile Edge Networks: A Survey. IEEE Access, 2020, 8, 125998-126018.	4.2	51
12	On Designing Energy-Efficient Heterogeneous Cloud Radio Access Networks. IEEE Transactions on Green Communications and Networking, 2018, 2, 721-734.	5.5	43
13	Smart Grid Enabled Mobile Networks: Jointly Optimizing BS Operation and Power Distribution. IEEE/ACM Transactions on Networking, 2017, 25, 1832-1845.	3.8	42
14	Learning-Assisted Secure End-to-End Network Slicing for Cyber-Physical Systems. IEEE Network, 2020, 34, 37-43.	6.9	42
15	On Accelerating Content Delivery in Mobile Networks. IEEE Communications Surveys and Tutorials, 2013, 15, 1314-1333.	39.4	38
16	EdgeSlice: Slicing Wireless Edge Computing Network with Decentralized Deep Reinforcement Learning. , 2020, , .		32
17	FedSTN: Graph Representation Driven Federated Learning for Edge Computing Enabled Urban Traffic Flow Prediction. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 8738-8748.	8.0	25
18	Enabling Mobile Traffic Offloading via Energy Spectrum Trading. IEEE Transactions on Wireless Communications, 2014, 13, 3317-3328.	9.2	24

#	Article	IF	Citations
19	Energy Efficient Wireless Multicasting. IEEE Communications Letters, 2011, 15, 620-622.	4.1	23
20	Offloading Mobile Traffic via Green Content Broker. IEEE Internet of Things Journal, 2014, 1, 161-170.	8.7	23
21	RADIATE: radio over fiber as an antenna extender for high-speed train communications. IEEE Wireless Communications, 2015, 22, 130-137.	9.0	22
22	*FedVision:* Federated Video Analytics With Edge Computing. IEEE Open Journal of the Computer Society, 2020, 1, 62-72.	7.8	22
23	Finite Control Set Model Predictive Control with Secondary Problem Formulation for Power Loss and Thermal Stress Reductions. IEEE Transactions on Industry Applications, 2020, , 1-1.	4.9	21
24	Towards Revenue-Driven Multi-User Online Task Offloading in Edge Computing. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1185-1198.	5.6	18
25	Energy-Efficient On-Demand Resource Provisioning in Cloud Radio Access Networks. IEEE Transactions on Green Communications and Networking, 2019, 3, 1142-1151.	5.5	17
26	Optimizing cell size for energy saving in cellular networks with hybrid energy supplies. , 2012, , .		15
27	Distributed Energy-Spectrum Trading in Green Cognitive Radio Cellular Networks. IEEE Transactions on Green Communications and Networking, 2017, 1, 253-263.	5.5	15
28	Energy-Aware Virtual Machine Management in Inter-Datacenter Networks Over Elastic Optical Infrastructure. IEEE Transactions on Green Communications and Networking, 2018, 2, 305-315.	5.5	15
29	Energy-Efficient Virtual Radio Access Networks for Multi-Operators Cooperative Cellular Networks. IEEE Transactions on Green Communications and Networking, 2019, 3, 603-614.	5.5	15
30	Towards Secure and Intelligent Network Slicing for 5G Networks. IEEE Open Journal of the Computer Society, 2022, 3, 23-38.	7.8	13
31	Opportunistic content pushing via WiFi hotspots. , 2012, , .		12
32	Energy-Efficient RRH Sleep Mode for Virtual Radio Access Networks. , 2017, , .		10
33	Heuristic relay assignments for green relay assisted device to device communications. , 2013, , .		9
34	Computing Resource Aware Energy Saving Scheme for Cloud Radio Access Networks. , 2016, , .		9
35	Energy-Efficient On-Demand Cloud Radio Access Networks Virtualization. , 2018, , .		9
36	Edge Learning for Low-Latency Video Analytics: Query Scheduling and Resource Allocation. , 2021, , .		9

#	Article	IF	Citations
37	Renewable Energy-Aware Inter-Datacenter Virtual Machine Migration over Elastic Optical Networks. , 2015, , .		8
38	Joint Computation and Communication Resource Allocation for Energy-Efficient Mobile Edge Networks. , 2019, , .		8
39	Auction-based energy-spectrum trading in green cognitive cellular networks. , 2013, , .		7
40	Smart grid enabled mobile networks: Jointly optimizing BS operation and power distribution. , 2014, , .		7
41	Energy agile packet scheduling to leverage green energy for next generation cellular networks. , 2013, , .		6
42	Provisioning green energy for small cell BSs. , 2014, , .		5
43	User association in backhaul constrained small cell networks. , 2015, , .		5
44	Gate: greening at the edges. IEEE Wireless Communications, 2016, 23, 62-69.	9.0	5
45	V-handoff: A practical energy efficient handoff for 802.11 infrastructure networks. , 2017, , .		5
46	Big-data-driven network partitioning for ultra-dense radio access networks. , 2017, , .		5
47	TrustServing: A Quality Inspection Sampling Approach for Remote DNN Services. , 2020, , .		5
48	Revenue Driven Virtual Machine Management in Green Datacenter Networks Towards Big Data. , 2016, , .		4
49	Model Predictive Control with Secondary Objective Functions for Power Module Loss Reduction. , 2019, , .		4
50	Intelligent battery management for cellular networks with hybrid energy supplies. , 2016, , .		3
51	Data-Driven Network Optimization in Ultra-Dense Radio Access Networks. , 2017, , .		1
52	Demo Abstract: Themis: Cross-Domain Resource Orchestration and Virtualization in Cellular Computing Networks. , 2018, , .		1
53	Model Predictive Speed Control with Dynamic Reference for Electric Drive of Permanent Magnet Synchronous Machine. , 2019, , .		1
54	Guest Editorial: Special Section on Social and Cognitive Mobile Computing in Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2020, 16, 5377-5378.	11.3	1

#	Article	IF	Citations
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55	Demo abstract: MExR: Mobile edge resource management for mixed reality applications. , 2017, , .		0
56	Evaluation of Wireless Communication Networks on Secondary Control in Underwater Microgrid. , 2020, , .		0
57	On Carrier Scheme Convergence: A WFRFT-based Hybrid Carrier Scheme Demonstration. , 2022, , .		0