

Tao Huang

List of Publications by Year in descending order

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86
papers

2,590
citations

304743

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docs citations

86
times ranked

2558
citing authors

#	ARTICLE	IF	CITATIONS
1	RCC: Enabling Receiver-Driven RDMA Congestion Control With Congestion Divide-and-Conquer in Datacenter Networks. IEEE/ACM Transactions on Networking, 2023, 31, 103-117.	3.8	0
2	Buffer-Aware Virtual Reality Video Streaming With Personalized and Private Viewport Prediction. IEEE Journal on Selected Areas in Communications, 2022, 40, 694-709.	14.0	17
3	Learning-Based Computation Offloading for IoRT Through Ka/Q-Band Satelliteâ€“Terrestrial Integrated Networks. IEEE Internet of Things Journal, 2022, 9, 12056-12070.	8.7	12
4	A blockchain-based and privacy-preserved authentication scheme for inter-constellation collaboration in Space-Ground Integrated Networks. Computer Networks, 2022, 206, 108793.	5.1	3
5	A Comprehensive Survey on Blockchain in Industrial Internet of Things: Motivations, Research Progresses, and Future Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 88-122.	39.4	93
6	Efficient Uplink Transmission in Ultra-Dense LEO Satellite Networks With Multiband Antennas. IEEE Communications Letters, 2022, 26, 1373-1377.	4.1	2
7	Adaptive Resource Allocation of Vehicles under Dynamic Environment. Wireless Communications and Mobile Computing, 2022, 2022, 1-13.	1.2	0
8	Cycle-Based Time-Sensitive and Deterministic Networks: Architecture, Challenges, and Open Issues. IEEE Communications Magazine, 2022, 60, 81-87.	6.1	13
9	A Blockchain-Enabled Trusted Identifier Co-Governance Architecture for the Industrial Internet of Things. IEEE Communications Magazine, 2022, 60, 66-72.	6.1	9
10	Quantum Collective Learning and Many-to-Many Matching Game in the Metaverse for Connected and Autonomous Vehicles. IEEE Transactions on Vehicular Technology, 2022, 71, 12128-12139.	6.3	16
11	An NDN-Enabled Differentiated Routing Strategy for Blockchain. , 2022, , .		1
12	A Computation Offloading Strategy in LEO Constellation Edge Cloud Network. Electronics (Switzerland), 2022, 11, 2024.	3.1	3
13	Dynamic Computation Offloading in IoT Fog Systems With Imperfect Channel-State Information: A POMDP Approach. IEEE Internet of Things Journal, 2021, 8, 345-356.	8.7	29
14	Potential Identity Resolution Systems for the Industrial Internet of Things: A Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 391-430.	39.4	27
15	When Serverless Computing Meets Edge Computing: Architecture, Challenges, and Open Issues. IEEE Wireless Communications, 2021, 28, 126-133.	9.0	58
16	NB-Cache: Non-Blocking In-Network Caching for High-Performance Content Routers. IEEE/ACM Transactions on Networking, 2021, 29, 1976-1989.	3.8	3
17	NSE-RRS: Network Slicing Embedding With Risk-Controlled Resource Sharing. IEEE Access, 2021, 9, 104448-104459.	4.2	2
18	Requirements-Driven Automotive Electrical/Electronic Architecture: A Survey and Prospective Trends. IEEE Access, 2021, 9, 100096-100112.	4.2	18

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19	An Accelerating Approach for Blockchain Information Transmission Based on NDN. <i>Future Internet</i> , 2021, 13, 47.	3.8	4
20	A novel identity resolution system design based on Dual-Chord algorithm for industrial Internet of Things. <i>Science China Information Sciences</i> , 2021, 64, 1.	4.3	4
21	Determining Delay Bounds for a Chain of Virtual Network Functions Using Network Calculus. <i>IEEE Communications Letters</i> , 2021, 25, 2550-2553.	4.1	3
22	Sailfish. , 2021, , .		45
23	Integrating Edge Computing into Low Earth Orbit Satellite Networks: Architecture and Prototype. <i>IEEE Access</i> , 2021, 9, 39126-39137.	4.2	32
24	Automating Rapid Network Anomaly Detection with In-band Network Telemetry. <i>IEEE Networking Letters</i> , 2021, , 1-1.	1.9	1
25	Cooperative Task Processing for the Internet of Remote Things through Ultra-Dense Satellite Systems. , 2021, , .		1
26	Updating Data-Center Network With Ultra-Low Latency Data Plane. <i>IEEE Access</i> , 2020, 8, 2134-2144.	4.2	4
27	A Load Balancing Routing Strategy for LEO Satellite Network. <i>IEEE Access</i> , 2020, 8, 155136-155144.	4.2	26
28	Measures to Improve the Accuracy and Reliability of Clock Synchronization in Time-Sensitive Networking. <i>IEEE Access</i> , 2020, 8, 192368-192378.	4.2	9
29	Satellite-Terrestrial Integrated Edge Computing Networks: Architecture, Challenges, and Open Issues. <i>IEEE Network</i> , 2020, 34, 224-231.	6.9	125
30	Deep Reinforcement Learning (DRL)-Based Device-to-Device (D2D) Caching With Blockchain and Mobile Edge Computing. <i>IEEE Transactions on Wireless Communications</i> , 2020, 19, 6469-6485.	9.2	59
31	Blockchain-Incentivized D2D and Mobile Edge Caching: A Deep Reinforcement Learning Approach. <i>IEEE Network</i> , 2020, 34, 150-157.	6.9	24
32	Dynamic Computation Offloading With Imperfect State Information in Energy Harvesting Small Cell Networks: A Partially Observable Stochastic Game. <i>IEEE Wireless Communications Letters</i> , 2020, 9, 1300-1304.	5.0	6
33	Decentralized Computation Offloading in IoT Fog Computing System With Energy Harvesting: A Dec-POMDP Approach. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4898-4911.	8.7	46
34	Fast Switch-Based Load Balancer Considering Application Server States. <i>IEEE/ACM Transactions on Networking</i> , 2020, 28, 1391-1404.	3.8	10
35	A-ECN Minimizing Queue Length for Datacenter Networks. <i>IEEE Access</i> , 2020, 8, 49100-49111.	4.2	4
36	Improving Flow Scheduling Scheme With Mix-Traffic in Multi-Tenant Data Centers. <i>IEEE Access</i> , 2020, 8, 64666-64677.	4.2	2

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37	A Survey of Machine Learning Techniques Applied to Software Defined Networking (SDN): Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 393-430.	39.4	418
38	Service-differentiated QoS routing based on ant colony optimisation for named data networking. Peer-to-Peer Networking and Applications, 2019, 12, 740-750.	3.9	5
39	Service Function Chain Composition, Placement, and Assignment in Data Centers. IEEE Transactions on Network and Service Management, 2019, 16, 1638-1650.	4.9	32
40	LD-ICN: Towards Latency Deterministic Information-Centric Networking. , 2019, , .		1
41	A Dual Decomposition Method for Hierarchical Traffic Control in Inter-DC WANs. , 2019, , .		0
42	The Decision Latency Optimization Problem in SDN With Multi-Controller. IEEE Communications Letters, 2019, 23, 2344-2347.	4.1	2
43	Energy-efficient computation offloading in 5G cellular networks with edge computing and D2D communications. IET Communications, 2019, 13, 1122-1130.	2.2	31
44	Energy-efficient hierarchical cooperative caching optimisation for 5G networks. IET Communications, 2019, 13, 687-695.	2.2	9
45	A Survey of Blockchain Technology Applied to Smart Cities: Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2019, 21, 2794-2830.	39.4	477
46	A Parallel Placement Approach for Service Function Chain Using Deep Reinforcement Learning. , 2019, , .		6
47	Jointly caching and computation resource allocation for mobile edge networks. IET Networks, 2019, 8, 329-338.	1.8	15
48	Collaborative Vehicular Edge Computing Networks: Architecture Design and Research Challenges. IEEE Access, 2019, 7, 178942-178952.	4.2	44
49	Multi-Factorial Energy Aware Resource Management in Edge Networks. IEEE Transactions on Green Communications and Networking, 2019, 3, 45-56.	5.5	12
50	Joint Resource Allocation for Software-Defined Networking, Caching, and Computing. IEEE/ACM Transactions on Networking, 2018, 26, 274-287.	3.8	54
51	Load Balancing in Data Center Networks: A Survey. IEEE Communications Surveys and Tutorials, 2018, 20, 2324-2352.	39.4	115
52	Hierarchical collaborative caching in 5G networks. IET Communications, 2018, 12, 2357-2365.	2.2	9
53	Enabling Efficient Service Function Chaining by Integrating NFV and SDN: Architecture, Challenges and Opportunities. IEEE Network, 2018, 32, 152-159.	6.9	75
54	Energy-Efficient Joint Caching and Transcoding for HTTP Adaptive Streaming in 5G Networks with Mobile Edge Computing. , 2018, , .		10

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55	Multi-Attributes-Based Coflow Scheduling Without Prior Knowledge. IEEE/ACM Transactions on Networking, 2018, 26, 1962-1975.	3.8	12
56	FlowTrace: measuring round-trip time and tracing path in software-defined networking with low communication overhead. Frontiers of Information Technology and Electronic Engineering, 2017, 18, 206-219.	2.6	11
57	An Integrated Framework for Software Defined Networking, Caching, and Computing. IEEE Network, 2017, 31, 46-55.	6.9	24
58	Leveraging multiple coflow attributes for information-agnostic coflow scheduling. , 2017, , .		5
59	The Collaboration for Content Delivery and Network Infrastructures: A Survey. IEEE Access, 2017, 5, 18088-18106.	4.2	29
60	Energy-efficient joint content caching and small base station activation mechanism design in heterogeneous cellular networks. China Communications, 2017, 14, 70-83.	3.2	11
61	Popularity based probabilistic caching strategy design for named data networking. , 2017, , .		10
62	Building SDN-Based Agricultural Vehicular Sensor Networks Based on Extended Open vSwitch. Sensors, 2016, 16, 108.	3.8	15
63	Multi-Domain SDN Survivability for Agricultural Wireless Sensor Networks. Sensors, 2016, 16, 1861.	3.8	8
64	What to cache: differentiated caching resource allocation and management in information-centric networking. China Communications, 2016, 13, 261-276.	3.2	11
65	Caching resource sharing in radio access networks: a game theoretic approach. Frontiers of Information Technology and Electronic Engineering, 2016, 17, 1253-1265.	2.6	12
66	DENA: An Intelligent Content Discovery System Used in Named Data Networking. IEEE Access, 2016, 4, 9093-9107.	4.2	9
67	Software Defined Networking, Caching, and Computing for Green Wireless Networks. , 2016, 54, 185-193.		72
68	Time Efficient Virtual Network Embedding Algorithm. Intelligent Automation and Soft Computing, 2016, 22, 273-280.	2.1	1
69	Transport Control Strategies in Named Data Networking: A Survey. IEEE Communications Surveys and Tutorials, 2016, 18, 2052-2083.	39.4	54
70	A Survey of Green Information-Centric Networking: Research Issues and Challenges. IEEE Communications Surveys and Tutorials, 2015, 17, 1455-1472.	39.4	179
71	Virtual network embedding based on real-time topological attributes. Frontiers of Information Technology and Electronic Engineering, 2015, 16, 109-118.	2.6	16
72	Congestion-aware adaptive forwarding in datacenter networks. Computer Communications, 2015, 62, 34-46.	5.1	5

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73	An efficient Virtual Network embedding algorithm based on subgraph. , 2014, , .		0
74	Storage space adjustment for replication placement in Service-Oriented Future Internet Architecture. , 2014, , .		0
75	Modeling the sojourn time of items for in-network cache based on LRU policy. China Communications, 2014, 11, 88-95.	3.2	13
76	Dynamic recovery for survivable virtual network embedding. Journal of China Universities of Posts and Telecommunications, 2014, 21, 77-84.	0.8	11
77	Reverse-trace routing scheme in content centric networking. Journal of China Universities of Posts and Telecommunications, 2013, 20, 22-29.	0.8	5
78	A virtual network mapping algorithm based on integer programming. Journal of Zhejiang University: Science C, 2013, 14, 899-908.	0.7	4
79	FSDM: Floodless service discovery model based on Software-Defined Network. , 2013, , .		6
80	Caching Design in Green Content Centric Networking Based on Chemical Reaction Optimization. , 2013, , .		3
81	Status-Based Content Sharing Mechanism for Content-Centric Network. , 2012, , .		1
82	A new algorithm based on the proximity principle for the virtual network embedding problem. Journal of Zhejiang University: Science C, 2011, 12, 910-918.	0.7	18
83	Virtual Resource Organization and Virtual Network Embedding across Multiple Domains. , 2010, , .		13
84	A Hierarchical Backbone Network Based on VLB Architecture. , 2010, , .		1
85	A Hierarchical Virtual Resource Management Architecture for Network Virtualization. , 2010, , .		5
86	A Future Network Architecture for Resource Sharing and Service Diversity. , 2010, , .		0