Huawei Huang

List of Publications by Year
in descending order

62 papers	**2,658** citations
331670 **21** h-index	377865 **34** g-index
62 all docs	**62** docs citations
62 times ranked	**2598** citing authors

#	Article	IF	Citations
1	Information and Communications Technologies for Sustainable Development Goals: State-of-the-Art, Needs and Perspectives. IEEE Communications Surveys and Tutorials, 2018, 20, 2389-2406.	39.4	386
2	Solutions to Scalability of Blockchain: A Survey. IEEE Access, 2020, 8, 16440-16455.	4.2	359
3	Fusing Blockchain and AI With Metaverse: A Survey. IEEE Open Journal of the Computer Society, 2022, 3, 122-136.	7.8	238
4	Traffic and Computation Co-Offloading With Reinforcement Learning in Fog Computing for Industrial Applications. IEEE Transactions on Industrial Informatics, 2019, 15, 976-986.	11.3	167
5	Green Resource Allocation Based on Deep Reinforcement Learning in Content-Centric IoT. IEEE Transactions on Emerging Topics in Computing, 2020, 8, 781-796.	4.6	160
6	Multi-Hop Cooperative Computation Offloading for Industrial IoT–Edge–Cloud Computing Environments. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2759-2774.	5.6	159
7	Multi-Agent Deep Reinforcement Learning for Urban Traffic Light Control in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 8243-8256.	6.3	118
8	Detecting Mixing Services via Mining Bitcoin Transaction Network With Hybrid Motifs. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2237-2249.	9.3	86
9	Software-defined wireless mesh networks: architecture and traffic orchestration. IEEE Network, 2015, 29, 24-30.	6.9	72
10	A Survey of State-of-the-Art on Blockchains. ACM Computing Surveys, 2022, 54, 1-42.	23.0	68
11	Joint Optimization of Rule Placement and Traffic Engineering for QoS Provisioning in Software Defined Network. IEEE Transactions on Computers, 2015, 64, 3488-3499.	3.4	59
12	Green Data-Collection From Geo-Distributed IoT Networks Through Low-Earth-Orbit Satellites. IEEE Transactions on Green Communications and Networking, 2019, 3, 806-816.	5.5	57
13	Online Computation Offloading and Traffic Routing for UAV Swarms in Edge-Cloud Computing. IEEE Transactions on Vehicular Technology, 2020, 69, 8777-8791.	6.3	57
14	QoS-Aware Cooperative Computation Offloading for Robot Swarms in Cloud Robotics. IEEE Transactions on Vehicular Technology, 2019, 68, 4027-4041.	6.3	54
15	When Blockchain Meets Distributed File Systems: An Overview, Challenges, and Open Issues. IEEE Access, 2020, 8, 50574-50586.	4.2	52
16	Cost Minimization for Rule Caching in Software Defined Networking. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 1007-1016.	5.6	47
17	Service Chaining for Hybrid Network Function. IEEE Transactions on Cloud Computing, 2019, 7, 1082-1094.	4.4	44
18	Green DataPath for TCAM-Based Software-Defined Networks. , 2016, 54, 194-201.		43

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19	Real-Time Fault Detection for IIoT Facilities Using GBRBM-Based DNN. IEEE Internet of Things Journal, 2020, 7, 5713-5722.	8.7	41
20	From Technology to Society: An Overview of Blockchain-Based DAO. IEEE Open Journal of the Computer Society, 2021, 2, 204-215.	7.8	41
21	Near-Optimal Routing Protection for In-Band Software-Defined Heterogeneous Networks. IEEE Journal on Selected Areas in Communications, 2016, 34, 2918-2934.	14.0	30
22	Envisioned Wireless Big Data Storage for Low-Earth-Orbit Satellite-Based Cloud. IEEE Wireless Communications, 2018, 25, 26-31.	9.0	24
23	Joint middlebox selection and routing for software-defined networking. , 2016, , .		23
24	Elastic Resource Allocation Against Imbalanced Transaction Assignments in Sharding-Based Permissioned Blockchains. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 2372-2385.	5.6	23
25	Opportunistic Offloading of Deadline-Constrained Bulk Cellular Traffic in Vehicular DTNs. IEEE Transactions on Computers, 2015, 64, 3515-3527.	3.4	19
26	Near-Optimal Deployment of Service Chains by Exploiting Correlations Between Network Functions. IEEE Transactions on Cloud Computing, 2020, 8, 585-596.	4.4	18
27	The joint optimization of rules allocation and traffic engineering in Software Defined Network. , 2014, , .		17
28	An energy-aware deadline-constrained message delivery in delay-tolerant networks. Wireless Networks, 2014, 20, 1981-1993.	3.0	16
29	Joint Computation Offloading and Routing Optimization for UAV-Edge-Cloud Computing Environments. , 2018, , .		16
30	Coflow-Like Online Data Acquisition from Low-Earth-Orbit Datacenters. IEEE Transactions on Mobile Computing, 2020, 19, 2743-2760.	5.8	16
31	Traffic scheduling for deep packet inspection in software€defined networks. Concurrency Computation Practice and Experience, 2017, 29, e3967.	2.2	16
32	Block-Sparse Coding-Based Machine Learning Approach for Dependable Device-Free Localization in IoT Environment. IEEE Internet of Things Journal, 2021, 8, 3211-3223.	8.7	15
33	Online Green Data Gathering from Geo-Distributed IoT Networks via LEO Satellites. , 2018, , .		14
34	QoE-Aware 3D Video Streaming via Deep Reinforcement Learning in Software Defined Networking Enabled Mobile Edge Computing. IEEE Transactions on Network Science and Engineering, 2021, 8, 419-433.	6.4	14
35	Service provisioning update scheme for mobile application users in a cloudlet network. , 2017, , .		11
36	Optimal VM placement in data centres with architectural and resource constraints. International Journal of Autonomous and Adaptive Communications Systems, 2015, 8, 392.	0.3	9

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37	Blockchain-Based Participant Selection for Federated Learning. Communications in Computer and Information Science, 2020, , 112-125.	0.5	9
38	Deadline-constrained content distribution in vehicular delay tolerant networks. , 2012, , .		7
39	Joint optimization of task mapping and routing for service provisioning in distributed datacenters. , 2014, , .		7
40	MVCom: Scheduling Most Valuable Committees for the Large-Scale Sharded Blockchain. , 2021, , .		7
41	Buffer Capacity-Constrained Epidemic Routing Model in Mobile Ad-Hoc Networks. , 2014, , .		5
42	Bridge the Trustworthiness Gap amongst Multiple Domains: A Practical Blockchain-based Approach. , 2020, , .		5
43	Joint Optimization of Stateful VNF Placement and Routing Scheduling in Software-Defined Networks. , 2018, , .		4
44	The Effect of Critical Transmission Range in Epidemic Data Propagation for Mobile Ad-hoc Social Network. Lecture Notes in Computer Science, 2013, , 743-756.	1.3	4
45	Stochastic analysis on epidemic dissemination of lifetime-controlled messages in DTNs. , 2013, , .		3
46	Unified nvTCAM and sTCAM architecture for improving packet matching performance. , 2017, , .		3
47	Deactivation-controlled epidemic routing in disruption tolerant networks with multiple sinks. , 2014, , .		2
48	Revisiting Double-Spending Attacks on the Bitcoin Blockchain: New Findings. , 2021, , .		2
49	Unified nvTCAM and sTCAM architecture for improving packet matching performance. ACM SIGPLAN Notices, 2017, 52, 91-100.	0.2	2
50	WorkerFirst: Worker-Centric Model Selection for Federated Learning in Mobile Edge Computing. , 2020, , .		2
51	Proactive Failure Recovery for Stateful NFV. , 2020, , .		2
52	Worker-Centric Model Allocation for Federated Learning in Mobile Edge Computing. IEEE Transactions on Green Communications and Networking, 2023, 7, 869-880.	5.5	2
53	Multi-flow oriented packets scheduling in OpenFlow enabled networks. , 2015, , .		1
54	A Multiobjective Evolution Algorithm Based Rule Certainty Updating Strategy in Big Data Environment. , 2017, , .		1

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55	RouteStitch: Control Traffic Minimization in SDN by Stitching Routes. , 2020, , .		1
56	MVA: An Interactive Assistant Communication Scheme in Blind Area of VANET. , 2012, , .		0
57	A Novel Data Transfer Scheme of Smart Grid and DTN. , 2012, , .		0
58	A Stackelberg-Based Optimal Profit Split Scheme in Information-Centric Wireless Networks. , 2019, , .		0
59	Charge Stations Deployment Strategy for Maximizing the Charge Oppurnity of Electric Vehicles (EVs). Communications in Computer and Information Science, 2012, , 603-611.	0.5	0
60	Data-Driven Service Provisioning. , 2019, , 1-5.		0
61	Data-Driven Service Provisioning. , 2020, , 308-312.		0
62	An Ethereum-Based Data Synchronization Platform for Distributed Networks. Lecture Notes in Computer Science, 2020, , 143-157.	1.3	0