Xuesong Qiu

List of Publications by Year
in descending order

59 papers	**1,154** citations	516681 **16** h-index	434170 **31** g-index
59 all docs	**59** docs citations	**59** times ranked	**1149** citing authors

#	Article	IF	Citations
1	Intelligent and Collaborative Orchestration of Network Slices. IEEE Transactions on Services Computing, 2023, 16, 1239-1253.	4.6	3
2	Multiservice Reliability Evaluation Algorithm Considering Network Congestion and Regional Failure Based on Petri Net. IEEE Transactions on Services Computing, 2022, 15, 684-697.	4.6	5
3	Towards Large-Scale and Privacy-Preserving Contact Tracing in COVID-19 Pandemic: A Blockchain Perspective. IEEE Transactions on Network Science and Engineering, 2022, 9, 282-298.	6.4	25
4	Secure Data Sharing: Blockchain-Enabled Data Access Control Framework for IoT. IEEE Internet of Things Journal, 2022, 9, 8143-8153.	8.7	9
5	Cloudâ€"Edge Collaborative SFC Mapping for Industrial IoT Using Deep Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2022, 18, 4158-4168.	11.3	15
6	BAFL: A Blockchain-Based Asynchronous Federated Learning Framework. IEEE Transactions on Computers, 2022, 71, 1092-1103.	3.4	61
7	LTSM: Lightweight and Trusted Sharing Mechanism of IoT Data in Smart City. IEEE Internet of Things Journal, 2022, 9, 5080-5093.	8.7	14
8	Endogenous Trusted DRL-Based Service Function Chain Orchestration for IoT. IEEE Transactions on Computers, 2022, 71, 397-406.	3.4	22
9	Intelligent-Driven Green Resource Allocation for Industrial Internet of Things in 5G Heterogeneous Networks. IEEE Transactions on Industrial Informatics, 2022, 18, 520-530.	11.3	28
10	Smart network maintenance in edge cloud computing environment: An allocation mechanism based on comprehensive reputation and regional prediction model. Journal of Network and Computer Applications, 2022, 198, 103298.	9.1	6
11	Enhanced 5G Mobile Broadcasting Service With Shape-Adaptive RIS. IEEE Transactions on Broadcasting, 2022, 68, 704-711.	3.2	4
12	Blockchain localization spoofing detection based on fuzzy AHP in IoT systems. Eurasip Journal on Wireless Communications and Networking, 2022, 2022, 13.	2.4	3
13	Sandbox Computing: A Data Privacy Trusted Sharing Paradigm via Blockchain and Federated Learning. IEEE Transactions on Computers, 2022, , 1-12.	3.4	3
14	CLPM: A Cooperative Link Prediction Model for Industrial Internet of Things Using Partitioned Stacked Denoising Autoencoder. IEEE Transactions on Industrial Informatics, 2021, 17, 3620-3629.	11.3	9
15	MLPRA: An MCDS and Link-Priority-Based Network Repair Algorithm for Smart Grid. IEEE Transactions on Industrial Informatics, 2021, 17, 4882-4891.	11.3	3
16	Analytical Performance Analysis of Intelligent Reflecting Surface Aided Ambient Backscatter Communication Network. IEEE Wireless Communications Letters, 2021, 10, 2732-2736.	5.0	11
17	Reliability-Oriented and Resource-Efficient Service Function Chain Construction and Backup. IEEE Transactions on Network and Service Management, 2021, 18, 240-257.	4.9	20
18	A delay-sensitive resource allocation algorithm for container cluster in edge computing environment. Computer Communications, 2021, 170, 144-150.	5.1	14

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19	Petri Net-Based Reliability Assessment and Migration Optimization Strategy of SFC. IEEE Transactions on Network and Service Management, 2021, 18, 167-181.	4.9	16
20	DDPG-Based Energy-Efficient Flow Scheduling Algorithm in Software-Defined Data Centers. Wireless Communications and Mobile Computing, 2021, 2021, 1-10.	1.2	5
21	Service migration in multi-access edge computing: A joint state adaptation and reinforcement learning mechanism. Journal of Network and Computer Applications, 2021, 183-184, 103058.	9.1	11
22	Energy-Efficient Offloading for Mission-Critical IoT Services Using EVT-Embedded Intelligent Learning. IEEE Transactions on Green Communications and Networking, 2021, 5, 1179-1190.	5.5	3
23	SDNDefender: A Comprehensive DDoS Defense Mechanism Using Hybrid Approaches over Software Defined Networking. Security and Communication Networks, 2021, 2021, 1-22.	1.5	2
24	ACPEC: A Resource Management Scheme Based on Ant Colony Algorithm for Power Edge Computing. Security and Communication Networks, 2021, 2021, 1-9.	1.5	1
25	Priority-Based Residential Energy Management With Collaborative Edge and Cloud Computing. IEEE Transactions on Industrial Informatics, 2020, 16, 1848-1857.	11.3	32
26	Blockchain Meets Edge Computing: A Distributed and Trusted Authentication System. IEEE Transactions on Industrial Informatics, 2020, 16, 1972-1983.	11.3	207
27	Trusted Cloud-Edge Network Resource Management: DRL-Driven Service Function Chain Orchestration for IoT. IEEE Internet of Things Journal, 2020, 7, 6010-6022.	8.7	56
28	Task Allocation Mechanism of Power Internet of Things Based on Cooperative Edge Computing. IEEE Access, 2020, 8, 158488-158501.	4.2	10
29	Risk-Aware Service Routes Planning for System Protection Communication Networks of Software-Defined Networking in Energy Internet. IEEE Access, 2020, 8, 91005-91019.	4.2	4
30	FGGAN: Feature-Guiding Generative Adversarial Networks for Text Generation. IEEE Access, 2020, 8, 105217-105225.	4.2	16
31	Blockchain Meets Edge Computing: Stackelberg Game and Double Auction Based Task Offloading for Mobile Blockchain. IEEE Transactions on Vehicular Technology, 2020, 69, 5549-5561.	6.3	93
32	RJCC: Reinforcement-Learning-Based Joint Communicational-and-Computational Resource Allocation Mechanism for Smart City IoT. IEEE Internet of Things Journal, 2020, 7, 8059-8076.	8.7	22
33	DQN-based energy-efficient routing algorithm in software-defined data centers. International Journal of Distributed Sensor Networks, 2020, 16, 155014772093577.	2.2	6
34	Deep Learning-Based Resource Allocation for 5G Broadband TV Service. IEEE Transactions on Broadcasting, 2020, 66, 800-813.	3.2	48
35	Joint DNN Partition Deployment and Resource Allocation for Delay-Sensitive Deep Learning Inference in IoT. IEEE Internet of Things Journal, 2020, 7, 9241-9254.	8.7	72
36	DAER: A Resource Preallocation Algorithm of Edge Computing Server by Using Blockchain in Intelligent Driving. IEEE Internet of Things Journal, 2020, 7, 9291-9302.	8.7	17

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37	Resource Allocation for Network Slices with Delay-Sensitive Multimedia Services. , 2020, , .		2
38	Computation Offloading in a Mobile Edge Communication Network: A Joint Transmission Delay and Energy Consumption Dynamic Awareness Mechanism. IEEE Internet of Things Journal, 2019, 6, 10546-10559.	8.7	21
39	A self-adaptive and fault-tolerant routing algorithm for wireless sensor networks in microgrids. Future Generation Computer Systems, 2019, 100, 35-45.	7.5	13
40	Markov Approximation Method for Optimal Service Orchestration in IoT Network. IEEE Access, 2019, 7, 49538-49548.	4.2	11
41	A Single-Link Failure Recovery Approach Based on Resource Sharing and Performance Prediction in SDN. IEEE Access, 2019, 7, 174750-174763.	4.2	11
42	Resource Allocation for Reliable Communication Between Controllers and Switches in SDN. Journal of Network and Systems Management, 2018, 26, 966-992.	4.9	5
43	Random Violation Risk Degree Based Service Channel Routing Mechanism in Smart Grid. Energies, 2018, 11, 2871.	3.1	3
44	An Efficient Forwarding Capability Evaluation Method for Opportunistic Offloading in Mobile Edge Computing. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	0
45	Capacity Enhancement for 5G Networks Using MmWave Aerial Base Stations: Self-Organizing Architecture and Approach. IEEE Wireless Communications, 2018, 25, 58-64.	9.0	20
46	Self-Organized Cell Outage Detection Architecture and Approach for 5G H-CRAN. Wireless Communications and Mobile Computing, 2018, 2018, 1-11.	1.2	9
47	MUPF: Multiple unicast path forwarding in content-centric VANETs. Ad Hoc Networks, 2018, 81, 211-225.	5.5	15
48	Multi-Cell Cooperative Outage Compensation in Cloud-RANs Based 5G Public Safety Network. IEEE Access, 2017, 5, 17309-17321.	4.2	5
49	A service recovery method based on trust evaluation in mobile social network. Multimedia Tools and Applications, 2017, 76, 3255-3277.	3.9	10
50	Distributed Fault Detection Based on Credibility and Cooperation for WSNs in Smart Grids. Sensors, 2017, 17, 983.	3.8	14
51	Energy-Saving Management Mechanism Based on Hybrid Energy Supplies for LTE Heterogeneous Networks. Mobile Information Systems, 2016, 2016, 1-13.	0.6	5
52	An Enhanced OFDM Resource Allocation Algorithm in C-RAN Based 5G Public Safety Network. Mobile Information Systems, 2016, 2016, 1-14.	0.6	7
53	A min-cover based controller placement approach to build reliable control network in SDN. , 2016, , .		45
54	SPSRG: a prediction approach for correlated failures in distributed computing systems. Cluster Computing, 2016, 19, 1703-1721.	5.0	7

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55	Data Fault Detection in Medical Sensor Networks. Sensors, 2015, 15, 6066-6090.	3.8	24
56	An Uncertainty-Based Distributed Fault Detection Mechanism for Wireless Sensor Networks. Sensors, 2014, 14, 7655-7683.	3.8	12
57	Efficient Loss Inference Algorithm Using Unicast End-to-End Measurements. Journal of Network and Systems Management, 2013, 21, 169-193.	4.9	9
58	A Methodology Used to Optimize Probe Selection for Fault Localization. , 2010, , .		5
59	Efficient Active Probing for Fault Diagnosis in Large Scale and Noisy Networks. , 2010, , .		25