Xiaolong Xu

List of Publications by Year
in descending order

87	3,875	126907	133252
papers	citations	33	59
		h-index	g-index

87	87	87	2415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep Learning Models for Real-time Human Activity Recognition with Smartphones. Mobile Networks and Applications, 2020, 25, 743-755.	3.3	336
2	AI Powered Service Optimization for Edge/Fog Computing. Mathematical Problems in Engineering, 2021, 2021, 1-1.	1.1	290
3	BeCome: Blockchain-Enabled Computation Offloading for IoT in Mobile Edge Computing. IEEE Transactions on Industrial Informatics, 2020, 16, 4187-4195.	11.3	222
4	A QoS-aware virtual machine scheduling method for energy conservation in cloud-based cyber-physical systems. World Wide Web, 2020, 23, 1275-1297.	4.0	141
5	Finding All You Need: Web APIs Recommendation in Web of Things Through Keywords Search. IEEE Transactions on Computational Social Systems, 2019, 6, 1063-1072.	4.4	129
6	Joint Optimization of Offloading Utility and Privacy for Edge Computing Enabled IoT. IEEE Internet of Things Journal, 2020, 7, 2622-2629.	8.7	129
7	A Blockchain-Powered Crowdsourcing Method With Privacy Preservation in Mobile Environment. IEEE Transactions on Computational Social Systems, 2019, 6, 1407-1419.	4.4	116
8	Service Offloading With Deep Q-Network for Digital Twinning-Empowered Internet of Vehicles in Edge Computing. IEEE Transactions on Industrial Informatics, 2022, 18, 1414-1423.	11.3	112
9	Edge Server Quantification and Placement for Offloading Social Media Services in Industrial Cognitive IoV. IEEE Transactions on Industrial Informatics, 2021, 17, 2910-2918.	11.3	107
10	A long short-term memory-based model for greenhouse climate prediction. International Journal of Intelligent Systems, 2022, 37, 135-151.	5.7	102
11	Adaptive Computation Offloading With Edge for 5G-Envisioned Internet of Connected Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5213-5222.	8.0	101
12	Privacy-Aware Cross-Platform Service Recommendation Based on Enhanced Locality-Sensitive Hashing. IEEE Transactions on Network Science and Engineering, 2021, 8, 1145-1153.	6.4	98
13	Efficient computation offloading for Internet of Vehicles in edge computing-assisted 5G networks. Journal of Supercomputing, 2020, 76, 2518-2547.	3.6	97
14	Trust-Oriented IoT Service Placement for Smart Cities in Edge Computing. IEEE Internet of Things Journal, 2020, 7, 4084-4091.	8.7	97
15	Dynamic Resource Provisioning With Fault Tolerance for Data-Intensive Meteorological Workflows in Cloud. IEEE Transactions on Industrial Informatics, 2020, 16, 6172-6181.	11.3	88
16	An Intelligent Video Analysis Method for Abnormal Event Detection in Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4487-4495.	8.0	82
17	DisCOV: Distributed COVID-19 Detection on X-Ray Images With Edge-Cloud Collaboration. IEEE Transactions on Services Computing, 2022, 15, 1206-1219.	4.6	71
18	Secure Service Offloading for Internet of Vehicles in SDN-Enabled Mobile Edge Computing. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 3720-3729.	8.0	70

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19	Bidirectional GRU networksâ€based next POI category prediction for healthcare. International Journal of Intelligent Systems, 2022, 37, 4020-4040.	5.7	69
20	Game Theory for Distributed IoV Task Offloading With Fuzzy Neural Network in Edge Computing. IEEE Transactions on Fuzzy Systems, 2022, 30, 4593-4604.	9.8	69
21	A Survey on Mobile Edge Computing: Focusing on Service Adoption and Provision. Wireless Communications and Mobile Computing, 2018, 2018, 1-16.	1.2	68
22	TripRes. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-21.	4.3	65
23	Toward Offloading Internet of Vehicles Applications in 5G Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4151-4159.	8.0	57
24	CSEdge: Enabling Collaborative Edge Storage for Multi-Access Edge Computing Based on Blockchain. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1873-1887.	5.6	55
25	Multi-objective computation offloading for Internet of Vehicles in cloud-edge computing. Wireless Networks, 2020, 26, 1611-1629.	3.0	54
26	Concurrent Practical Byzantine Fault Tolerance for Integration of Blockchain and Supply Chain. ACM Transactions on Internet Technology, 2021, 21, 1-17.	4.4	53
27	Hybrid computation offloading for smart home automation in mobile cloud computing. Personal and Ubiquitous Computing, 2018, 22, 121-134.	2.8	52
28	A Computation Offloading Method for Edge Computing With Vehicle-to-Everything. IEEE Access, 2019, 7, 131068-131077.	4.2	52
29	Popularity-Aware and Diverse Web APIs Recommendation Based on Correlation Graph. IEEE Transactions on Computational Social Systems, 2023, 10, 771-782.	4.4	50
30	A Heuristic Offloading Method for Deep Learning Edge Services in 5G Networks. IEEE Access, 2019, 7, 67734-67744.	4.2	49
31	An Exception Handling Approach for Privacy-Preserving Service Recommendation Failure in a Cloud Environment. Sensors, 2018, 18, 2037.	3.8	46
32	Privacy-Aware Point-of-Interest Category Recommendation in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 21398-21408.	8.7	42
33	Reputation-Aware Supplier Assessment for Blockchain-Enabled Supply Chain in Industry 4.0. IEEE Transactions on Industrial Informatics, 2023, 19, 5485-5494.	11.3	39
34	Privacy-Aware Data Publishing and Integration for Collaborative Service Recommendation. IEEE Access, 2018, 6, 43021-43028.	4.2	36
35	Data, User and Power Allocations for Caching in Multi-Access Edge Computing. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 1144-1155.	5.6	36
36	Intelligent Computation Offloading and Resource Allocation in IIoT With End-Edge-Cloud Computing Using NSGA-III. IEEE Transactions on Network Science and Engineering, 2023, 10, 3032-3046.	6.4	33

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37	Joint Optimization of Resource Utilization and Load Balance with Privacy Preservation for Edge Services in 5G Networks. Mobile Networks and Applications, 2020, 25, 713-724.	3.3	31
38	PDM: Privacy-Aware Deployment of Machine-Learning Applications for Industrial Cyberâ€"Physical Cloud Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 5819-5828.	11.3	31
39	DIMA: Distributed cooperative microservice caching for internet of things in edge computing by deep reinforcement learning. World Wide Web, 2022, 25, 1769-1792.	4.0	31
40	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
41	Blockchain-based cloudlet management for multimedia workflow in mobile cloud computing. Multimedia Tools and Applications, 2020, 79, 9819-9844.	3.9	30
42	CoPace: Edge Computation Offloading and Caching for Self-Driving With Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2021, 70, 13281-13293.	6.3	30
43	Privacy-aware offloading for training tasks of generative adversarial network in edge computing. Information Sciences, 2020, 532, 1-15.	6.9	29
44	Multi-Objective Data Placement for Workflow Management in Cloud Infrastructure Using NSGA-II. IEEE Transactions on Emerging Topics in Computational Intelligence, 2020, 4, 605-615.	4.9	27
45	CroApp: A CNN-Based Resource Optimization Approach in Edge Computing Environment. IEEE Transactions on Industrial Informatics, 2022, 18, 6300-6307.	11.3	23
46	Dynamic defenses in cyber security: Techniques, methods and challenges. Digital Communications and Networks, 2022, 8, 422-435.	5.0	21
47	Locally private frequency estimation of physical symptoms for infectious disease analysis in Internet of Medical Things. Computer Communications, 2020, 162, 139-151.	5.1	19
48	Efficient Web APIs Recommendation With Privacy-Preservation for Mobile App Development in Industry 4.0. IEEE Transactions on Industrial Informatics, 2022, 18, 6379-6387.	11.3	19
49	An IoT-Oriented Offloading Method with Privacy Preservation for Cloudlet-Enabled Wireless Metropolitan Area Networks. Sensors, 2018, 18, 3030.	3.8	18
50	Distributed Incentives for Intelligent Offloading and Resource Allocation in Digital Twin Driven Smart Industry. IEEE Transactions on Industrial Informatics, 2023, 19, 3133-3143.	11.3	15
51	DAWAR. , 2022, , .		12
52	Computation Offloading and Content Caching with Traffic Flow Prediction for Internet of Vehicles in Edge Computing. , 2020, , .		11
53	Intrusion Detection for Maritime Transportation Systems With Batch Federated Aggregation. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-12.	8.0	11
54	Privacy-Aware Data Offloading for Mobile Devices in Edge Computing. , 2019, , .		9

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55	A fully connected deep learning approach to upper limb gesture recognition in a secure FES rehabilitation environment. International Journal of Intelligent Systems, 2021, 36, 2387-2411.	5.7	9
56	Point-of-Interest Recommendation with User's Privacy Preserving in an IoT Environment. Mobile Networks and Applications, 2021, 26, 2445-2460.	3.3	9
57	Dynamic Task Offloading with Minority Game for Internet of Vehicles in Cloud-Edge Computing. , 2020, , .		9
58	Joint Optimization of Energy Conservation and Privacy Preservation for Intelligent Task Offloading in MEC-Enabled Smart Cities. IEEE Transactions on Green Communications and Networking, 2022, 6, 1671-1682.	5.5	9
59	Energy-Efficient Virtual Machine Scheduling across Cloudlets in Wireless Metropolitan Area Networks. Mobile Networks and Applications, 2020, 25, 442-456.	3.3	8
60	OPHiForest: Order Preserving Hashing Based Isolation Forest for Robust and Scalable Anomaly Detection. , 2020, , .		8
61	Joint Coverage-Reliability for Budgeted Edge Application Deployment in Mobile Edge Computing Environment. IEEE Transactions on Parallel and Distributed Systems, 2022, 33, 3760-3771.	5.6	8
62	Edge Task Migration With 6G-Enabled Network in Box for Cybertwin-Based Internet of Vehicles. IEEE Transactions on Industrial Informatics, 2022, 18, 4893-4901.	11.3	7
63	Inductive Matrix Completion Using Graph Autoencoder. , 2021, , .		7
64	Cloud–edge cooperation for meteorological radar big data: a review of data quality control. Complex & Intelligent Systems, 2022, 8, 3789-3803.	6.5	7
65	Toward Privacy Protection Composition Framework on Internet of Vehicles. IEEE Consumer Electronics Magazine, 2022, 11, 32-38.	2.3	6
66	Cognitive Analytics of Social Media Services for Edge Resource Pre-Allocation in Industrial Manufacturing. IEEE Transactions on Computational Social Systems, 2021, 8, 500-511.	4.4	6
67	Game Theory-Based Task Offloading and Resource Allocation for Vehicular Networks in Edge-Cloud Computing. , 2021, , .		6
68	Privacy-aware Cold-Start Recommendation based on Collaborative Filtering and Enhanced Trust. , 2020, , .		6
69	ST-InNet: Deep Spatio-Temporal Inception Networks for Traffic Flow Prediction in Smart Cities. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19782-19794.	8.0	6
70	Mobility and Privacy-Aware Offloading of AR Applications for Healthcare Cyber-Physical Systems in Edge Computing. IEEE Transactions on Network Science and Engineering, 2023, 10, 2662-2673.	6.4	6
71	DSM: a dynamic scheduling method for concurrent workflows in cloud environment. Cluster Computing, 2019, 22, 693-706.	5.0	5
72	GoDeep: Intelligent IoV Service Deployment and Execution with Privacy Preservation in Cloud-edge Computing. , 2021, , .		5

#	Article	IF	Citations
73	Reliability-Aware Computation Offloading for Delay-Sensitive Applications in MEC-Enabled Aerial Computing. IEEE Transactions on Green Communications and Networking, 2022, 6, 1511-1519.	5.5	5
74	Energy-Efficient Computation Offloading with Privacy Preservation for Edge Computing-Enabled 5G Networks. , 2019, , .		4
75	Uncertainty-Aware Resource Provisioning for Workflow Scheduling in Edge Computing Environment. , 2019, , .		4
76	Tasks Offloading for Connected Autonomous Vehicles in Edge Computing. Mobile Networks and Applications, 2022, 27, 2295-2304.	3.3	3
77	Learning-aided fine grained offloading for real-time applications in edge-cloud computing. Wireless Networks, 0, , 1.	3.0	3
78	An Edge Server Placement Algorithm based on Genetic Algorithm. , 2021, , .		3
79	Multi-objective Cross-layer Resource Scheduling for Internet of Things in Edge-Cloud Computing. , 2020, , .		3
80	Crowdsourcing-based Multi-Device Communication Cooperation for Mobile High-Quality Video Enhancement. , 2022, , .		3
81	Latency-aware service migration with decision theory for Internet of Vehicles in mobile edge computing. Wireless Networks, 0, , 1.	3.0	3
82	An Ensemble of Random Decision Trees with Personalized Privacy Preservation in Edge-Cloud Computing. , 2020, , .		2
83	Tropical Cyclone Maximum Wind Estimation from Infrared Satellite Data with Integrated Convolutional Neural Networks. , 2019, , .		1
84	A FCN Approach to Blockage Correction in Radars. , 2021, , .		1
85	Private Estimation of Symptom Distribution for Infectious Disease Analysis in Edge Computing. , 2021, , .		1
86	Cooperative Task Offloading for Internet of Vehicles in Cloud-edge Computing. , 2021, , .		1
87	Renewable prediction-driven service offloading for IoT-enabled energy systems with edge computing. Wireless Networks, 0, , 1.	3.0	0