

# Xiaolong Xu

## List of Publications by Year in descending order

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87  
papers

3,875  
citations

126907

33  
h-index

133252

59  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2415  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Popularity-Aware and Diverse Web APIs Recommendation Based on Correlation Graph. IEEE Transactions on Computational Social Systems, 2023, 10, 771-782.	4.4	50
4	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
5	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
6	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
7	Toward Privacy Protection Composition Framework on Internet of Vehicles. IEEE Consumer Electronics Magazine, 2022, 11, 32-38.	2.3	6
8	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
9	Dynamic defenses in cyber security: Techniques, methods and challenges. Digital Communications and Networks, 2022, 8, 422-435.	5.0	21
10	Tasks Offloading for Connected Autonomous Vehicles in Edge Computing. Mobile Networks and Applications, 2022, 27, 2295-2304.	3.3	3
11	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
12	A long short-term memory-based model for greenhouse climate prediction. International Journal of Intelligent Systems, 2022, 37, 135-151.	5.7	102
13	Bidirectional GRU networks-based next POI category prediction for healthcare. International Journal of Intelligent Systems, 2022, 37, 4020-4040.	5.7	69
14	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
15	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
16	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
17	Cloud-edge cooperation for meteorological radar big data: a review of data quality control. Complex & Intelligent Systems, 2022, 8, 3789-3803.	6.5	7
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	CroApp: A CNN-Based Resource Optimization Approach in Edge Computing Environment. IEEE Transactions on Industrial Informatics, 2022, 18, 6300-6307.	11.3	23
21	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
22	Crowdsourcing-based Multi-Device Communication Cooperation for Mobile High-Quality Video Enhancement. , 2022, , .		3
23	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
24	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
25	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
26	Intrusion Detection for Maritime Transportation Systems With Batch Federated Aggregation. IEEE Transactions on Intelligent Transportation Systems, 2022, , 1-12.	8.0	11
27	Privacy-Aware Point-of-Interest Category Recommendation in Internet of Things. IEEE Internet of Things Journal, 2022, 9, 21398-21408.	8.7	42
28	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
29	DAWAR. , 2022, , .		12
30	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
31	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
32	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
33	PDM: Privacy-Aware Deployment of Machine-Learning Applications for Industrial Cyber-Physical Cloud Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 5819-5828.	11.3	31
34	Toward Offloading Internet of Vehicles Applications in 5G Networks. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4151-4159.	8.0	57
35	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
36	Concurrent Practical Byzantine Fault Tolerance for Integration of Blockchain and Supply Chain. ACM Transactions on Internet Technology, 2021, 21, 1-17.	4.4	53

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	TripRes. ACM Transactions on Multimedia Computing, Communications and Applications, 2021, 17, 1-21.	4.3	65
40	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
41	Point-of-Interest Recommendation with User's Privacy Preserving in an IoT Environment. Mobile Networks and Applications, 2021, 26, 2445-2460.	3.3	9
42	An Edge Server Placement Algorithm based on Genetic Algorithm. , 2021, , .		3
43	Inductive Matrix Completion Using Graph Autoencoder. , 2021, , .		7
44	Game Theory-Based Task Offloading and Resource Allocation for Vehicular Networks in Edge-Cloud Computing. , 2021, , .		6
45	GoDeep: Intelligent IoV Service Deployment and Execution with Privacy Preservation in Cloud-edge Computing. , 2021, , .		5
46	A FCN Approach to Blockage Correction in Radars. , 2021, , .		1
47	Private Estimation of Symptom Distribution for Infectious Disease Analysis in Edge Computing. , 2021, , .		1
48	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
49	AI Powered Service Optimization for Edge/Fog Computing. Mathematical Problems in Engineering, 2021, 2021, 1-1.	1.1	290
50	Cooperative Task Offloading for Internet of Vehicles in Cloud-edge Computing. , 2021, , .		1
51	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
52	Energy-Efficient Virtual Machine Scheduling across Cloudlets in Wireless Metropolitan Area Networks. Mobile Networks and Applications, 2020, 25, 442-456.	3.3	8
53	Efficient computation offloading for Internet of Vehicles in edge computing-assisted 5G networks. Journal of Supercomputing, 2020, 76, 2518-2547.	3.6	97
54	Joint Optimization of Offloading Utility and Privacy for Edge Computing Enabled IoT. IEEE Internet of Things Journal, 2020, 7, 2622-2629.	8.7	129

#	ARTICLE	IF	CITATIONS
55	Blockchain-based cloudlet management for multimedia workflow in mobile cloud computing. <i>Multimedia Tools and Applications</i> , 2020, 79, 9819-9844.	3.9	30
56	BeCome: Blockchain-Enabled Computation Offloading for IoT in Mobile Edge Computing. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 4187-4195.	11.3	222
57	Multi-objective computation offloading for Internet of Vehicles in cloud-edge computing. <i>Wireless Networks</i> , 2020, 26, 1611-1629.	3.0	54
58	Dynamic Resource Provisioning With Fault Tolerance for Data-Intensive Meteorological Workflows in Cloud. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6172-6181.	11.3	88
59	Deep Learning Models for Real-time Human Activity Recognition with Smartphones. <i>Mobile Networks and Applications</i> , 2020, 25, 743-755.	3.3	336
60	Joint Optimization of Resource Utilization and Load Balance with Privacy Preservation for Edge Services in 5G Networks. <i>Mobile Networks and Applications</i> , 2020, 25, 713-724.	3.3	31
61	Trust-Oriented IoT Service Placement for Smart Cities in Edge Computing. <i>IEEE Internet of Things Journal</i> , 2020, 7, 4084-4091.	8.7	97
62	Multi-Objective Data Placement for Workflow Management in Cloud Infrastructure Using NSGA-II. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2020, 4, 605-615.	4.9	27
63	Locally private frequency estimation of physical symptoms for infectious disease analysis in Internet of Medical Things. <i>Computer Communications</i> , 2020, 162, 139-151.	5.1	19
64	Privacy-aware offloading for training tasks of generative adversarial network in edge computing. <i>Information Sciences</i> , 2020, 532, 1-15.	6.9	29
65	Dynamic Task Offloading with Minority Game for Internet of Vehicles in Cloud-Edge Computing. , 2020, , .		9
66	OPHiForest: Order Preserving Hashing Based Isolation Forest for Robust and Scalable Anomaly Detection. , 2020, , .		8
67	Multi-objective Cross-layer Resource Scheduling for Internet of Things in Edge-Cloud Computing. , 2020, , .		3
68	Privacy-aware Cold-Start Recommendation based on Collaborative Filtering and Enhanced Trust. , 2020, , .		6
69	Computation Offloading and Content Caching with Traffic Flow Prediction for Internet of Vehicles in Edge Computing. , 2020, , .		11
70	An Ensemble of Random Decision Trees with Personalized Privacy Preservation in Edge-Cloud Computing. , 2020, , .		2
71	A Computation Offloading Method for Edge Computing With Vehicle-to-Everything. <i>IEEE Access</i> , 2019, 7, 131068-131077.	4.2	52
72	Energy-Efficient Computation Offloading with Privacy Preservation for Edge Computing-Enabled 5G Networks. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
73	Privacy-Aware Data Offloading for Mobile Devices in Edge Computing. , 2019, , .		9
74	A Heuristic Offloading Method for Deep Learning Edge Services in 5G Networks. IEEE Access, 2019, 7, 67734-67744.	4.2	49
75	A Blockchain-Powered Crowdsourcing Method With Privacy Preservation in Mobile Environment. IEEE Transactions on Computational Social Systems, 2019, 6, 1407-1419.	4.4	116
76	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
77	Tropical Cyclone Maximum Wind Estimation from Infrared Satellite Data with Integrated Convolutional Neural Networks. , 2019, , .		1
78	Uncertainty-Aware Resource Provisioning for Workflow Scheduling in Edge Computing Environment. , 2019, , .		4
79	DSM: a dynamic scheduling method for concurrent workflows in cloud environment. Cluster Computing, 2019, 22, 693-706.	5.0	5
80	Hybrid computation offloading for smart home automation in mobile cloud computing. Personal and Ubiquitous Computing, 2018, 22, 121-134.	2.8	52
81	A Survey on Mobile Edge Computing: Focusing on Service Adoption and Provision. Wireless Communications and Mobile Computing, 2018, 2018, 1-16.	1.2	68
82	An IoT-Oriented Offloading Method with Privacy Preservation for Cloudlet-Enabled Wireless Metropolitan Area Networks. Sensors, 2018, 18, 3030.	3.8	18
83	Privacy-Aware Data Publishing and Integration for Collaborative Service Recommendation. IEEE Access, 2018, 6, 43021-43028.	4.2	36
84	An Exception Handling Approach for Privacy-Preserving Service Recommendation Failure in a Cloud Environment. Sensors, 2018, 18, 2037.	3.8	46
85	Renewable prediction-driven service offloading for IoT-enabled energy systems with edge computing. Wireless Networks, 0, , 1.	3.0	0
86	Learning-aided fine grained offloading for real-time applications in edge-cloud computing. Wireless Networks, 0, , 1.	3.0	3
87	Latency-aware service migration with decision theory for Internet of Vehicles in mobile edge computing. Wireless Networks, 0, , 1.	3.0	3