

Moayad Aloqaily

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

125
papers

2,718
citations

32
h-index

47
g-index

138
ext. papers

3,832
ext. citations

5.9
avg, IF

6.59
L-index

#	Paper	IF	Citations
125	FederatedGrids: Federated Learning and Blockchain-assisted P2P Energy Sharing. <i>IEEE Transactions on Green Communications and Networking</i> , 2022 , 1-1	4	5
124	On the Role of Futuristic Technologies in Securing UAV-Supported Autonomous Vehicles. <i>IEEE Consumer Electronics Magazine</i> , 2022 , 1-1	3.2	10
123	C-HealthIER: A Cooperative Health Intelligent Emergency Response System for C-ITS. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-11	6.1	0
122	An adaptive UAV positioning model for sustainable smart transportation. <i>Sustainable Cities and Society</i> , 2022 , 78, 103617	10.1	1
121	Design Guidelines for Cooperative UAV-supported Services and Applications. <i>ACM Computing Surveys</i> , 2022 , 54, 1-35	13.4	3
120	m-RENDEZVOUS: Multi-Agent Asynchronous Rendezvous Search Technique. <i>Future Generation Computer Systems</i> , 2022 , 126, 185-195	7.5	
119	Machine Learning-based Indoor Localization and Occupancy Estimation using 5G Ultra-Dense Networks. <i>Simulation Modelling Practice and Theory</i> , 2022 , 102543	3.9	1
118	Energy-aware spectrum coordination with intelligent frequency-hopping for software defined networks. <i>Sustainable Computing: Informatics and Systems</i> , 2022 , 35, 100714	3	
117	Intelligent Blockchain-Enabled Communication and Services: Solutions for Moving Internet of Things Devices. <i>IEEE Robotics and Automation Magazine</i> , 2022 , 2-12	3.4	1
116	Efficient In-Network Caching in NDN-based Connected Vehicles 2021 ,		2
115	Intelligent Resource Management at the Edge for Ubiquitous IoT: An SDN-Based Federated Learning Approach. <i>IEEE Network</i> , 2021 , 35, 114-121	11.4	5
114	Edge-assisted Solutions for IoT-based Connected Healthcare Systems: A Literature Review. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	2
113	Constructing a prior-dependent graph for data clustering and dimension reduction in the edge of AIoT. <i>Future Generation Computer Systems</i> , 2021 , 128, 381-381	7.5	22
112	Federated Learning in Vehicular Networks: Opportunities and Solutions. <i>IEEE Network</i> , 2021 , 35, 152-159	11.4	31
111	Efficient and reliable forensics using intelligent edge computing. <i>Future Generation Computer Systems</i> , 2021 , 118, 230-239	7.5	11
110	A cooperative resource allocation model for IoT applications in mobile edge computing. <i>Computer Communications</i> , 2021 , 173, 183-191	5.1	12
109	Deep Federated Learning for IoT-based Decentralized Healthcare Systems 2021 ,		5

108	A Blockchain-empowered Access Control Framework for Smart Devices in Green Internet of Things. <i>ACM Transactions on Internet Technology</i> , 2021 , 21, 1-20	3.8	21
107	Intelligent Control and Security of Fog Resources in Healthcare Systems via a Cognitive Fog Model. <i>ACM Transactions on Internet Technology</i> , 2021 , 21, 1-23	3.8	13
106	A blockchain-empowered crowdsourcing system for 5G-enabled smart cities. <i>Computer Standards and Interfaces</i> , 2021 , 76, 103517	3.5	53
105	Edge Intelligence for Empowering IoT-Based Healthcare Systems. <i>IEEE Wireless Communications</i> , 2021 , 28, 6-14	13.4	10
104	FedCo: A Federated Learning Controller for Content Management in Multi-party Edge Systems 2021 ,		4
103	Probabilistic inference-based modeling for sustainable environmental systems under hybrid cloud infrastructure. <i>Simulation Modelling Practice and Theory</i> , 2021 , 107, 102215	3.9	6
102	Generalizing AI: Challenges and Opportunities for Plug and Play AI Solutions. <i>IEEE Network</i> , 2021 , 35, 372-379	11.4	24
101	An SDN architecture for time sensitive industrial IoT. <i>Computer Networks</i> , 2021 , 186, 107739	5.4	23
100	Privacy-Preserving Multiobjective Sanitization Model in 6G IoT Environments. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 5340-5349	10.7	63
99	Design Guidelines for Blockchain-Assisted 5G-UAV Networks. <i>IEEE Network</i> , 2021 , 35, 64-71	11.4	36
98	CRACAU: Byzantine Machine Learning meets Industrial Edge Computing in Industry 5.0. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	4
97	An Incentive-based Mechanism for Volunteer Computing Using Blockchain. <i>ACM Transactions on Internet Technology</i> , 2021 , 21, 1-22	3.8	5
96	SynergyChain: Blockchain-Assisted Adaptive Cyber-Physical P2P Energy Trading. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 5769-5778	11.9	20
95	Enabling Intelligent IoCV Services at the Edge for 5G Networks and Beyond. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 5190-5200	6.1	14
94	Energy-efficient user association with load-balancing for cooperative IIoT network within B5G era. <i>Journal of Network and Computer Applications</i> , 2021 , 189, 103110	7.9	3
93	Energy-Efficient Cross-Layer Spectrum Sharing in CR Green IoT Networks. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 5, 1091-1100	4	4
92	Blockchain-Enhanced Data Sharing With Traceable and Direct Revocation in IIoT. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 7669-7678	11.9	87
91	Sustainability of Healthcare Data Analysis IoT-based Systems using Deep Federated Learning. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	7

90	Digital Twin for Intelligent Context-Aware IoT Healthcare Systems. <i>IEEE Internet of Things Journal</i> , 2021 , 1-1	10.7	49
89	Energy-Aware Blockchain and Federated Learning-Supported Vehicular Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	5
88	Trustworthy Cooperative UAV-Based Data Management in Densely Crowded Environments. <i>IEEE Communications Standards Magazine</i> , 2021 , 5, 18-24	3.3	1
87	Energy Efficiency in SDDC: Considering Server and Network Utilities 2020 ,		3
86	An Energy Trade Framework Using Smart Contracts: Overview and Challenges. <i>IEEE Network</i> , 2020 , 34, 119-125	11.4	39
85	UAV-Assisted Vehicular Communication for Densely Crowded Environments 2020 ,		10
84	EdgeKV: Decentralized, scalable, and consistent storage for the edge. <i>Journal of Parallel and Distributed Computing</i> , 2020 , 144, 28-40	4.4	14
83	Reinforcing Cloud Environments via Index Policy for Bursty Workloads 2020 ,		3
82	AI Techniques for COVID-19.. <i>IEEE Access</i> , 2020 , 8, 128776-128795	3.5	66
81	Providing secure and reliable communication for next generation networks in smart cities. <i>Sustainable Cities and Society</i> , 2020 , 56, 102080	10.1	66
80	. <i>IEEE Transactions on Sustainable Computing</i> , 2020 , 5, 428-437	3.5	4
79	PriNergy: a priority-based energy-efficient routing method for IoT systems. <i>Journal of Supercomputing</i> , 2020 , 76, 8609-8626	2.5	45
78	Blockchain for Managing Heterogeneous Internet of Things: A Perspective Architecture. <i>IEEE Network</i> , 2020 , 34, 16-23	11.4	75
77	IoT-BSFCAN: A smart context-aware system in IoT-Cloud using mobile-fogging. <i>Future Generation Computer Systems</i> , 2020 , 109, 368-381	7.5	16
76	Federated Vehicular Networks: Design, Applications, Routing, and Evaluation 2020 ,		2
75	On Minimizing Synchronization Cost in NFV-based Environments 2020 ,		5
74	A re-organizing biosurveillance framework based on fog and mobile edge computing. <i>Multimedia Tools and Applications</i> , 2020 , 80, 1-21	2.5	17
73	BBB: A Lightweight Approach to Evaluate Private Blockchains in Clouds 2020 ,		2

72	A non-cooperative rear-end collision avoidance scheme for non-connected and heterogeneous environment. <i>Computer Communications</i> , 2020 , 150, 828-840	5.1	7
71	Intelligent jamming-aware routing in multi-hop IoT-based opportunistic cognitive radio networks. <i>Ad Hoc Networks</i> , 2020 , 98, 102035	4.8	21
70	Reliable broadcast with trusted nodes: Energy reduction, resilience, and speed. <i>Computer Networks</i> , 2020 , 182, 107486	5.4	3
69	An incentive-aware blockchain-based solution for internet of fake media things. <i>Information Processing and Management</i> , 2020 , 57, 102370	6.3	78
68	Blockchain-based database in an IoT environment: challenges, opportunities, and analysis. <i>Cluster Computing</i> , 2020 , 23, 2151-2165	2.1	39
67	A Blockchain-Based Decentralized Composition Solution for IoT Services 2020 ,		17
66	Joint pairing and resource allocation for backhaul of small cells using NOMA. <i>Journal of Computational Science</i> , 2020 , 45, 101197	3.4	2
65	2020 ,		7
64	Attribute-Based Encryption With Parallel Outsourced Decryption for Edge Intelligent IoV. <i>IEEE Transactions on Vehicular Technology</i> , 2020 , 69, 13784-13795	6.8	84
63	Cyberphysical Blockchain-Enabled Peer-to-Peer Energy Trading. <i>Computer</i> , 2020 , 53, 56-65	1.6	28
62	Blockchain and Fog Computing for Cyberphysical Systems: The Case of Smart Industry. <i>Computer</i> , 2020 , 53, 36-45	1.6	35
61	Efficient and Robust Top-k Algorithms for Big Data IoT 2020 ,		1
60	IEEE Access Special Section Editorial: Scalable Deep Learning for Big Data. <i>IEEE Access</i> , 2020 , 8, 216617-216622	3.5	21
59	A Profitable and Energy-Efficient Cooperative Fog Solution for IoT Services. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3578-3586	11.9	63
58	Low-latency vehicular edge: A vehicular infrastructure model for 5G. <i>Simulation Modelling Practice and Theory</i> , 2020 , 98, 101968	3.9	39
57	A multi-stage resource-constrained spectrum access mechanism for cognitive radio IoT networks: Time-spectrum block utilization. <i>Future Generation Computer Systems</i> , 2020 , 110, 254-266	7.5	6
56	A Power Management Approach to Reduce Energy Consumption for Edge Computing Servers 2019 ,		6
55	An Authentic-Based Privacy Preservation Protocol for Smart e-Healthcare Systems in IoT. <i>IEEE Access</i> , 2019 , 7, 135632-135649	3.5	71

54	QoS enhancement with deep learning-based interference prediction in mobile IoT. <i>Computer Communications</i> , 2019 , 148, 86-97	5.1	32
53	Reinforcing the Edge: Autonomous Energy Management for Mobile Device Clouds 2019 ,		17
52	An intrusion detection system for connected vehicles in smart cities. <i>Ad Hoc Networks</i> , 2019 , 90, 101842-4.8	4.8	181
51	Privacy Management in Social Internet of Vehicles: Review, Challenges and Blockchain Based Solutions. <i>IEEE Access</i> , 2019 , 7, 79694-79713	3.5	68
50	Cloud-Based Multi-Agent Cooperation for IoT Devices Using Workflow-Nets. <i>Journal of Grid Computing</i> , 2019 , 17, 625-650	4.2	39
49	Improving fog computing performance via Fog-2-Fog collaboration. <i>Future Generation Computer Systems</i> , 2019 , 100, 266-280	7.5	60
48	. <i>IEEE Access</i> , 2019 , 7, 47379-47389	3.5	13
47	Data and Service Management in Densely Crowded Environments: Challenges, Opportunities, and Recent Developments. <i>IEEE Communications Magazine</i> , 2019 , 57, 81-87	9.1	73
46	Real World Modeling and Design of Novel Simulator for Affective Computing Inspired Autonomous Vehicle 2019 ,		6
45	A Mobility Management Architecture for Seamless Delivery of 5G-IoT Services 2019 ,		28
44	A Blockchain Framework for Securing Connected and Autonomous Vehicles. <i>Sensors</i> , 2019 , 19,	3.8	81
43	Soft Computing-Based EEG Classification by Optimal Feature Selection and Neural Networks. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 5747-5754	11.9	42
42	Testbed of QoS Ad-Hoc Network Designed for Cooperative Multi-drone Tasks 2019 ,		9
41	Batch-based Power-controlled Channel Assignment for Improved Throughput in Software-defined Networks 2019 ,		2
40	Reliable Broadcast in Networks with Trusted Nodes 2019 ,		7
39	Applied Comparative Evaluation of the Metasploit Evasion Module 2019 ,		2
38	Backhaul Pairing of Small Cells Using Non-Orthogonal Multiple Access 2019 ,		1
37	Secure Routing in Multi-hop IoT-based Cognitive Radio Networks under Jamming Attacks 2019 ,		6

36	Comparing Fog Solutions for Energy Efficiency in Wireless Networks: Challenges and Opportunities. <i>IEEE Wireless Communications</i> , 2019 , 26, 80-86	13.4	25
35	Real-Time Route Planning and Data Dissemination for Urban Scenarios Using the Internet of Things. <i>IEEE Wireless Communications</i> , 2019 , 26, 50-55	13.4	22
34	Resource Allocation in Moving Small Cell Network using Deep Learning based Interference Determination 2019 ,		10
33	A smart healthcare reward model for resource allocation in smart city. <i>Multimedia Tools and Applications</i> , 2019 , 78, 24573-24594	2.5	23
32	A collaborative mobile edge computing and user solution for service composition in 5G systems. <i>Transactions on Emerging Telecommunications Technologies</i> , 2018 , 29, e3446	1.9	51
31	Artificial intelligence framework for smart city microgrids: State of the art, challenges, and opportunities 2018 ,		32
30	A hybrid-based 3D streaming framework for mobile devices over IoT environments 2018 ,		2
29	2018 ,		1
28	Fog resource selection using historical executions 2018 ,		12
27	Connected and Autonomous Electric Vehicles (CAEVs). <i>IT Professional</i> , 2018 , 20, 54-61	1.9	36
26	Scalable Video Streaming for Real-Time Multimedia Applications over DDS Middleware for Future Internet Architecture 2018 ,		5
25	Exploring Computing at the Edge: A Multi-Interface System Architecture Enabled Mobile Device Cloud 2018 ,		13
24	An Edge Computing Based Smart Healthcare Framework for Resource Management. <i>Sensors</i> , 2018 , 18,	3.8	91
23	Connected, Autonomous and Electric Vehicles: The Optimum Value for a Successful Business Model 2018 ,		5
22	Congestion Mitigation in Densely Crowded Environments for Augmenting QoS in Vehicular Clouds 2018 ,		16
21	A Feasibility Study on Sustainability-Driven Infrastructure Management in Cloud Data Centers 2018 ,		2
20	A continuous diversified vehicular cloud service availability framework for smart cities. <i>Computer Networks</i> , 2018 , 145, 207-218	5.4	63
19	A probabilistic process learning approach for service composition in cloud networks 2017 ,		7

18	Trusted Third Party for service management in vehicular clouds 2017 ,		4
17	Social Behaviometrics for Personalized Devices in the Internet of Things Era. <i>IEEE Access</i> , 2017 , 5, 12199-12213	3.5	49
16	Vehicle as a resource for continuous service availability in smart cities 2017 ,		12
15	Data caching and selection in 5G networks using F2F communication 2017 ,		10
14	Fairness-Aware Game Theoretic Approach for Service Management in Vehicular Clouds 2017 ,		12
13	Multiagent/multiobjective interaction game system for service provisioning in vehicular cloud. <i>IEEE Access</i> , 2016 , 4, 3153-3168	3.5	43
12	An Auction-Driven Multi-Objective Provisioning Framework in a Vehicular Cloud 2015 ,		7
11	A policy-based location-aware framework for personalized services in cloud computing systems 2015 ,		1
10	A Generalized Framework for Quality of Experience (QoE)-Based Provisioning in a Vehicular Cloud 2015 ,		6
9	Vehicular clouds: State of the art, challenges and future directions 2015 ,		13
8	Provisioning delay effect of partaking a Trusted Third Party in a vehicular cloud 2014 ,		5
7	On the impact of quality of experience (QoE) in a vehicular cloud with various providers 2014 ,		14
6	Multiparty/multimedia conferencing in mobile Ad Hoc networks for improving communications between firefighters 2013 ,		2
5	A location-aware user tracking and prediction system 2009 ,		7
4	Carpooling in Connected and Autonomous Vehicles: Current Solutions and Future Directions. <i>ACM Computing Surveys</i> ,	13.4	3
3	SynergyGrids: blockchain-supported distributed microgrid energy trading. <i>Peer-to-Peer Networking and Applications</i> ,1	3.1	1
2	Special Issue on Internet of Things: Intelligent Networks, Communication and Mobility (AdHocNets 2020). <i>Mobile Networks and Applications</i> ,1	2.9	
1	A survey of blockchain applications in sustainable and smart cities. <i>Cluster Computing</i> ,	2.1	3

