Afaq Muhammad

List of Publications by Year
in descending order

27 papers	545 citations	9 h-index	14 g-index

1040056

1058476

27 all docs	27 docs citations	27 times ranked	385 citing authors

#	Article	IF	Citations
1	Designing and implementation of energy‐efficient wireless photovoltaic monitoring system. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3685.	3.9	1
2	Energy loss prediction in nonoriented materials using machine learning techniques: A novel approach. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3797.	3.9	0
3	An efficient SDN‐based LTE‐WiFi spectrum aggregation system for heterogeneous 5G networks. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3943.	3.9	27
4	Ensemble Learning-based Network Data Analytics for Network Slice Orchestration and Management: An Intent-Based Networking Mechanism. , 2022, , .		7
5	Performance analysis of vertical handover techniques based on IEEE 802.21: Media independent handover standard. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3695.	3.9	5
6	Network Slice Lifecycle Management for 5G Mobile Networks: An Intent-Based Networking Approach. IEEE Access, 2021, 9, 80128-80146.	4.2	44
7	A Road-aware Approach for Hierarchical Routing in IoV based on Intents and Q-values. , 2021, , .		0
8	Network Data Analytics Function for IBN-based Network Slice Lifecycle Management. , 2021, , .		8
9	Machine Learning-based Cache Optimization on MEC Platform. , 2021, , .		0
10	An ML Based Anomaly Detection System in real-time data streams. , 2021, , .		2
11	SD-IoV: SDN enabled routing for internet of vehicles in road-aware approach. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1265-1280.	4.9	69
12	An adaptive approach to vehicle trajectory prediction using multimodel Kalman filter. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3734.	3.9	21
13	Towards 5G network slicing for vehicular ad-hoc networks: An end-to-end approach. Computer Communications, 2020, 149, 252-258.	5.1	32
14	Slicing the Core Network and Radio Access Network Domains through Intent-Based Networking for 5G Networks. Electronics (Switzerland), 2020, 9, 1710.	3.1	45
15	A Blockchain and Machine Learning-Based Drug Supply Chain Management and Recommendation System for Smart Pharmaceutical Industry. Electronics (Switzerland), 2020, 9, 852.	3.1	149
16	Intent-Based Orchestration of Network Slices and Resource Assurance using Machine Learning. , 2020, , .		17
17	Intent-based networking with proactive load distribution in data center using IBN manager and Smart Path manager. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 4855-4872.	4.9	13
18	Towards the automatic segmentation of HEp-2 cells in indirect immunofluorescence images using an efficient filtering based approach. Multimedia Tools and Applications, 2020, 79, 34325-34337.	3.9	3

#	Article	IF	Citations
19	Intent-Based End-to-End Network Service Orchestration System for Multi-Platforms. Sustainability, 2020, 12, 2782.	3.2	37
20	IBNSlicing: Intent-Based Network Slicing Framework for 5G Networks using Deep Learning. , 2020, , .		15
21	Mobility Performance Enhancement in Small Cells Cluster of 5G Network: A Handover Overhead Reduction Approach. , 2020, , .		1
22	Service Function Chaining and Traffic Steering in SDN using Graph Neural Network. , 2020, , .		7
23	Spatio-temporal sEMG image enhancement and motor unit action potential (MUAP) detection: algorithms and their analysis. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3809-3819.	4.9	5
24	Road-Aware Estimation Model for Path Duration in Internet of Vehicles (IoV). Wireless Personal Communications, 2019, 109, 715-738.	2.7	20
25	sFlow-based resource utilization monitoring in clouds. , 2016, , .		0
26	Visualization of elephant flows and QoS provisioning in SDN-based networks. , 2015, , .		14
27	A two-relay asymmetric diamond cooperative diversity system over Rayleigh fading channels. , 2014, , .		3