

Kayhan Zrar Ghafoor

List of Publications by Citations

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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.

66

papers

941

citations

17

h-index

28

g-index

75

ext. papers

1,250

ext. citations

3.4

avg, IF

5.12

L-index

#	Paper	IF	Citations
66	A Novel AI-enabled Framework to Diagnose Coronavirus COVID-19 using Smartphone Embedded Sensors: Design Study 2020 ,		113
65	Diagnosing COVID-19 pneumonia from x-ray and CT images using deep learning and transfer learning algorithms 2021 ,		113
64	Seamless Outdoors-Indoors Localization Solutions on Smartphones. <i>ACM Computing Surveys</i> , 2016 , 48, 1-34	13.4	65
63	Beaconing Approaches in Vehicular Ad Hoc Networks: A Survey. <i>Wireless Personal Communications</i> , 2013 , 73, 885-912	1.9	64
62	A fuzzy logic approach to beaconing for vehicular ad hoc networks. <i>Telecommunication Systems</i> , 2013 , 52, 139-149	2.3	51
61	Intelligent beaconless geographical forwarding for urban vehicular environments. <i>Wireless Networks</i> , 2013 , 19, 345-362	2.5	44
60	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 8525-8546	10.7	43
59	Routing Protocols in Vehicular Ad hoc Networks: Survey and Research Challenges. <i>Network Protocols and Algorithms</i> , 2013 , 39	0.3	32
58	Enabling Efficient Coexistence of DSRC and C-V2X in Vehicular Networks. <i>IEEE Wireless Communications</i> , 2020 , 27, 134-140	13.4	27
57	Blockchain-Based Adaptive Trust Management in Internet of Vehicles Using Smart Contract. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 3616-3630	6.1	26
56	An Intelligent Vertical Handover Scheme for Audio and Video Streaming in Heterogeneous Vehicular Networks. <i>Mobile Networks and Applications</i> , 2013 , 18, 879-895	2.9	22
55	EE-MRP: Energy-Efficient Multistage Routing Protocol for Wireless Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-13	1.9	22
54	Improved Geographical Routing in Vehicular Ad Hoc Networks. <i>Wireless Personal Communications</i> , 2015 , 80, 785-804	1.9	19
53	Fuzzy-assisted social-based routing for urban vehicular environments. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2011 , 2011,	3.2	19
52	Quality of Service Aware Routing Protocol in Software-Defined Internet of Vehicles. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 2817-2828	10.7	19
51	COVID-19 Optimizer Algorithm, Modeling and Controlling of Coronavirus Distribution Process. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2020 , 24, 2765-2775	7.2	18
50	An Efficient IDS Using Hybrid Magnetic Swarm Optimization in WANETs. <i>IEEE Access</i> , 2018 , 6, 29041-29053	5.3	17

49	A smart handover prediction system based on curve fitting model for Fast Mobile IPv6 in wireless networks. <i>International Journal of Communication Systems</i> , 2014 , 27, 969-990	1.7	14
48	A Smartphone Enabled Approach to Manage COVID-19 Lockdown and Economic Crisis. <i>SN Computer Science</i> , 2020 , 1, 271	2	14
47	Fraud Detection Model Based on Multi-Verse Features Extraction Approach for Smart City Applications 2019 , 241-251		13
46	Transmission power adaption scheme for improving IoV awareness exploiting: evaluation weighted matrix based on piggybacked information. <i>Computer Networks</i> , 2018 , 137, 147-159	5.4	11
45	Simulation tools for vehicular ad hoc networks: A comparison study and future perspectives 2015 ,		11
44	Urban Rain Flood Ecosystem Design Planning and Feasibility Study for the Enrichment of Smart Cities. <i>Sustainability</i> , 2021 , 13, 5205	3.6	10
43	Nonlinear-based Chaotic Harris Hawks Optimizer: Algorithm and Internet of Vehicles application. <i>Applied Soft Computing Journal</i> , 2021 , 109, 107574	7.5	10
42	A Novel Delay- and Reliability- Aware Inter-Vehicle Routing Protocol. <i>Network Protocols and Algorithms</i> , 2010 , 2,	0.3	8
41	Improvement of SCTP congestion control in the LTE-A network. <i>Journal of Network and Computer Applications</i> , 2015 , 58, 119-129	7.9	7
40	Inter-domain Proxy Mobile IPv6 based Vehicular Network. <i>Network Protocols and Algorithms</i> , 2011 , 2,	0.3	7
39	Indoor human tracking mechanism using integrated onboard smartphones Wi-Fi device and inertial sensors. <i>Telecommunication Systems</i> , 2019 , 71, 447-458	2.3	7
38	Distributed Ledger Technologies in Supply Chain Security Management: A Comprehensive Survey. <i>IEEE Transactions on Engineering Management</i> , 2021 , 1-27	2.6	7
37	Preventing COVID-19 Spread Using Information and Communication Technology. <i>IEEE Consumer Electronics Magazine</i> , 2021 , 10, 18-27	3.2	7
36	Frame-based mapping mechanism for energy-efficient MPEG-4 video transmission over IEEE 802.11e networks with better quality of delivery. <i>Journal of Network and Computer Applications</i> , 2015 , 58, 280-286	7.9	6
35	Beaconing and transmission range adaptation approaches in vehicular ad hoc networks: Trends & research challenges 2014 ,		6
34	Video Streaming over Vehicular Ad Hoc Networks: A Comparative Study and Future Perspectives. <i>ARO-the Scientific Journal of Koya University</i> , 2016 , 4, 25-36	1.4	6
33	Computational Statistics and Machine Learning Techniques for Effective Decision Making on Student Employment for Real-Time. <i>Mathematics</i> , 2021 , 9, 1166	2.3	6
32	IoT-Driven Model for Weather and Soil Conditions Based on Precision Irrigation Using Machine Learning. <i>Security and Communication Networks</i> , 2022 , 2022, 1-10	1.9	6

31	Structured Peer-to-Peer Real Time Video Transmission over Vehicular Ad Hoc Networks. <i>Mobile Networks and Applications</i> , 2013 , 18, 896-907	2.9	5
30	An adaptive handover prediction scheme for seamless mobility based wireless networks. <i>Scientific World Journal, The</i> , 2014 , 2014, 610652	2.2	5
29	Advanced mobility handover for mobile IPv6 based wireless networks. <i>Scientific World Journal, The</i> , 2014 , 2014, 602808	2.2	5
28	Realistic and Efficient Radio Propagation Model for V2X Communications. <i>KSII Transactions on Internet and Information Systems</i> , 2013 , 7, 1933-1954	1.7	5
27	Trust-aware routing protocol for mobile crowdsensing environments 2018 ,		4
26	Efficient classification model of web news documents using machine learning algorithms for accurate information. <i>Computers and Security</i> , 2020 , 98, 102006	4.9	4
25	Volcano eruption algorithm for solving optimization problems. <i>Neural Computing and Applications</i> , 2021 , 33, 2321-2337	4.8	4
24	Real-Time Density Detection in Connected Vehicles: Design and Implementation. <i>IEEE Communications Magazine</i> , 2018 , 56, 64-70	9.1	4
23	Fuzzy Redundancy Adaptation and Joint Source - Network Coding for VANET Video Streaming. <i>Lecture Notes in Computer Science</i> , 2011 , 458-469	0.9	3
22	Context-aware multimedia service composition using quality assessment 2011 ,		3
21	Vehicular Cloud Computing. <i>Advances in Wireless Technologies and Telecommunication Book Series</i> , 2014 , 262-274	0.2	3
20	LAB: Lightweight Adaptive Broadcast Control in DSRC Vehicular Networks. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-10	1.9	3
19	Survivability of mobile and wireless communication networks by using service oriented Software Defined Network based Heterogeneous Inter-Domain Handoff system. <i>Computer Communications</i> , 2021 , 175, 177-185	5.1	3
18	IVQFloT: Intelligent vulnerability quantification framework for scoring internet of things vulnerabilities. <i>Expert Systems</i> ,	2.1	3
17	Advances on Network Protocols and Algorithms for Vehicular Ad Hoc Networks. <i>Mobile Networks and Applications</i> , 2013 , 18, 749-754	2.9	2
16	Underwater Ad Hoc Wireless Communication for Video Delivery. <i>Wireless Personal Communications</i> , 2017 , 96, 5123-5144	1.9	2
15	Enabling accurate indoor localization for different platforms for smart cities using a transfer learning algorithm. <i>Internet Technology Letters</i> , 2020 , e200	1.3	2
14	Improving Positioning Accuracy Using Optimization Approaches: A Survey, Research Challenges and Future Perspectives. <i>Wireless Personal Communications</i> , 1	1.9	2

13	Network Functions Virtualization for Mobile Core and Heterogeneous Cellular Networks. <i>Wireless Personal Communications</i> ,1	1.9	2
12	Load balancing aware SDMA-based beaconing approach in vehicular ad hoc networks. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2017 , 72, 189-197	2	1
11	Improving the communication path reliability of WiMAX mesh network using multi sponsor technique. <i>Telecommunication Systems</i> , 2015 , 60, 133-141	2.3	1
10	Vehicular Cloud Computing 2015 , 1049-1061		1
9	Novel metaheuristic based on multiverse theory for optimization problems in emerging systems. <i>Applied Intelligence</i> , 2020 , 51, 1-18	4.9	1
8	CoySvM-(GeD): Coyote Optimization-Based Support Vector Machine Classifier for Cancer Classification Using Gene Expression Data. <i>Journal of Sensors</i> , 2022 , 2022, 1-9	2	1
7	SmHeSol (IoT-BC): Smart Healthcare Solution for Future Development Using Speech Feature Extraction Integration Approach with IoT and Blockchain. <i>Journal of Sensors</i> , 2022 , 2022, 1-13	2	1
6	Seamless V2I Communication in HetNet: State-of-the-Art and Future Research Directions 2020 , 37-83		0
5	Prediction of global spread of COVID-19 pandemic: a review and research challenges. <i>Artificial Intelligence Review</i> , 2021 , 1-22	9.7	0
4	Cooperative Strategies for Localization and Navigation 2019 , 173-180		
3	Partially Overlapped Channel Assignment for Cloud-Based Heterogeneous Cellular and Mesh Networks. <i>Wireless Personal Communications</i> ,1	1.9	
2	Topology optimization of computer communication network based on improved genetic algorithm. <i>Journal of Intelligent Systems</i> , 2022 , 31, 651-659	1.5	
1	Implementation and Comparison of Four Algorithms on Transportation Problem. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2022 , 422-433 ^{0.2}		