Kayhan Zrar Ghafoor

List of Publications by Year in Descending Order

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	CoySvM-(GeD): Coyote Optimization-Based Support Vector Machine Classifier for Cancer Classification Using Gene Expression Data. *Journal of Sensors*, **2022**, 2022, 1-9	2	1
65	Topology optimization of computer communication network based on improved genetic algorithm. *Journal of Intelligent Systems*, **2022**, 31, 651-659	1.5	
64	SmHeSol (IoT-BC): Smart Healthcare Solution for Future Development Using Speech Feature Extraction Integration Approach with IoT and Blockchain. *Journal of Sensors*, **2022**, 2022, 1-13	2	1
63	IoT-Driven Model for Weather and Soil Conditions Based on Precision Irrigation Using Machine Learning. *Security and Communication Networks*, **2022**, 2022, 1-10	1.9	6
62	Implementation and Comparison of Four Algorithms on Transportation Problem. *Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering*, **2022**, 422-433	0.2	
61	Diagnosing COVID-19 pneumonia from x-ray and CT images using deep learning and transfer learning algorithms **2021**,		113
60	Urban Rain Flood Ecosystem Design Planning and Feasibility Study for the Enrichment of Smart Cities. *Sustainability*, **2021**, 13, 5205	3.6	10
59	Computational Statistics and Machine Learning Techniques for Effective Decision Making on Students Employment for Real-Time. *Mathematics*, **2021**, 9, 1166	2.3	6
58	Prediction of global spread of COVID-19 pandemic: a review and research challenges. *Artificial Intelligence Review*, **2021**, 1-22	9.7	0
57	Volcano eruption algorithm for solving optimization problems. *Neural Computing and Applications*, **2021**, 33, 2321-2337	4.8	4
56	Blockchain-Based Adaptive Trust Management in Internet of Vehicles Using Smart Contract. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 3616-3630	6.1	26
55	Distributed Ledger Technologies in Supply Chain Security Management: A Comprehensive Survey. *IEEE Transactions on Engineering Management*, **2021**, 1-27	2.6	7
54	Survivability of mobile and wireless communication networks by using service oriented Software Defined Network based Heterogeneous Inter-Domain Handoff system. *Computer Communications*, **2021**, 175, 177-185	5.1	3
53	Preventing COVID-19 Spread Using Information and Communication Technology. *IEEE Consumer Electronics Magazine*, **2021**, 10, 18-27	3.2	7
52	Nonlinear-based Chaotic Harris Hawks Optimizer: Algorithm and Internet of Vehicles application. *Applied Soft Computing Journal*, **2021**, 109, 107574	7.5	10
51	. *IEEE Internet of Things Journal*, **2020**, 7, 8525-8546	10.7	43
50	Seamless V2I Communication in HetNet: State-of-the-Art and Future Research Directions **2020**, 37-83		0

49	Enabling Efficient Coexistence of DSRC and C-V2X in Vehicular Networks. *IEEE Wireless Communications*, **2020**, 27, 134-140	13.4	27
48	Efficient classification model of web news documents using machine learning algorithms for accurate information. *Computers and Security*, **2020**, 98, 102006	4.9	4
47	Enabling accurate indoor localization for different platforms for smart cities using a transfer learning algorithm. *Internet Technology Letters*, **2020**, e200	1.3	2
46	COVID-19 Optimizer Algorithm, Modeling and Controlling of Coronavirus Distribution Process. *IEEE Journal of Biomedical and Health Informatics*, **2020**, 24, 2765-2775	7.2	18
45	A Smartphone Enabled Approach to Manage COVID-19 Lockdown and Economic Crisis. *SN Computer Science*, **2020**, 1, 271	2	14
44	A Novel AI-enabled Framework to Diagnose Coronavirus COVID-19 using Smartphone Embedded Sensors: Design Study **2020**,		113
43	Novel metaheuristic based on multiverse theory for optimization problems in emerging systems. *Applied Intelligence*, **2020**, 51, 1-18	4.9	1
42	Cooperative Strategies for Localization and Navigation **2019**, 173-180		
41	Indoor human tracking mechanism using integrated onboard smartphones Wi-Fi device and inertial sensors. *Telecommunication Systems*, **2019**, 71, 447-458	2.3	7
40	Quality of Service Aware Routing Protocol in Software-Defined Internet of Vehicles. *IEEE Internet of Things Journal*, **2019**, 6, 2817-2828	10.7	19
39	Fraud Detection Model Based on Multi-Verse Features Extraction Approach for Smart City Applications **2019**, 241-251		13
38	Transmission power adaption scheme for improving IoV awareness exploiting: evaluation weighted matrix based on piggybacked information. *Computer Networks*, **2018**, 137, 147-159	5.4	11
37	Trust-aware routing protocol for mobile crowdsensing environments **2018**,		4
36	Real-Time Density Detection in Connected Vehicles: Design and Implementation. *IEEE Communications Magazine*, **2018**, 56, 64-70	9.1	4
35	LAB: Lightweight Adaptive Broadcast Control in DSRC Vehicular Networks. *Wireless Communications and Mobile Computing*, **2018**, 2018, 1-10	1.9	3
34	An Efficient IDS Using Hybrid Magnetic Swarm Optimization in WANETs. *IEEE Access*, **2018**, 6, 29041-29053		17
33	EE-MRP: Energy-Efficient Multistage Routing Protocol for Wireless Sensor Networks. *Wireless Communications and Mobile Computing*, **2018**, 2018, 1-13	1.9	22
32	Load balancing aware SDMA-based beaconing approach in vehicular ad hoc networks. *Annales Des Telecommunications/Annals of Telecommunications*, **2017**, 72, 189-197	2	1

#	Reference	IF	Cites
31	Underwater Ad Hoc Wireless Communication for Video Delivery. *Wireless Personal Communications*, **2017**, 96, 5123-5144	1.9	2
30	Seamless Outdoors-Indoors Localization Solutions on Smartphones. *ACM Computing Surveys*, **2016**, 48, 1-34	13.4	65
29	Video Streaming over Vehicular Ad Hoc Networks: A Comparative Study and Future Perspectives. *ARO-the Scientific Journal of Koya University*, **2016**, 4, 25-36	1.4	6
28	Improving the communication path reliability of WiMAX mesh network using multi sponsor technique. *Telecommunication Systems*, **2015**, 60, 133-141	2.3	1
27	Improvement of SCTP congestion control in the LTE-A network. *Journal of Network and Computer Applications*, **2015**, 58, 119-129	7.9	7
26	Frame-based mapping mechanism for energy-efficient MPEG-4 video transmission over IEEE 802.11e networks with better quality of delivery. *Journal of Network and Computer Applications*, **2015**, 58, 280-286	7.9	6
25	Improved Geographical Routing in Vehicular Ad Hoc Networks. *Wireless Personal Communications*, **2015**, 80, 785-804	1.9	19
24	Simulation tools for vehicular ad hoc networks: A comparison study and future perspectives **2015**,		11
23	Vehicular Cloud Computing **2015**, 1049-1061		1
22	An adaptive handover prediction scheme for seamless mobility based wireless networks. *Scientific World Journal, The*, **2014**, 2014, 610652	2.2	5
21	Advanced mobility handover for mobile IPv6 based wireless networks. *Scientific World Journal, The*, **2014**, 2014, 602808	2.2	5
20	Beaconing and transmission range adaptation approaches in vehicular ad hoc networks: Trends & research challenges **2014**,		6
19	A smart handover prediction system based on curve fitting model for Fast Mobile IPv6 in wireless networks. *International Journal of Communication Systems*, **2014**, 27, 969-990	1.7	14
18	Vehicular Cloud Computing. *Advances in Wireless Technologies and Telecommunication Book Series*, **2014**, 262-274	0.2	3
17	Intelligent beaconless geographical forwarding for urban vehicular environments. *Wireless Networks*, **2013**, 19, 345-362	2.5	44
16	An Intelligent Vertical Handover Scheme for Audio and Video Streaming in Heterogeneous Vehicular Networks. *Mobile Networks and Applications*, **2013**, 18, 879-895	2.9	22
15	Advances on Network Protocols and Algorithms for Vehicular Ad Hoc Networks. *Mobile Networks and Applications*, **2013**, 18, 749-754	2.9	2
14	Structured Peer-to-Peer Real Time Video Transmission over Vehicular Ad Hoc Networks. *Mobile Networks and Applications*, **2013**, 18, 896-907	2.9	5

LIST OF PUBLICATIONS

13	Beaconing Approaches in Vehicular Ad Hoc Networks: A Survey. *Wireless Personal Communications*, **2013**, 73, 885-912	1.9	64
12	A fuzzy logic approach to beaconing for vehicular ad hoc networks. *Telecommunication Systems*, **2013**, 52, 139-149	2.3	51
11	Routing Protocols in Vehicular Ad hoc Networks: Survey and Research Challenges. *Network Protocols and Algorithms*, **2013**, 39	0.3	32
10	Realistic and Efficient Radio Propagation Model for V2X Communications. *KSII Transactions on Internet and Information Systems*, **2013**, 7, 1933-1954	1.7	5
9	Fuzzy Redundancy Adaptation and Joint Source - Network Coding for VANET Video Streaming. *Lecture Notes in Computer Science*, **2011**, 458-469	0.9	3
8	Fuzzy-assisted social-based routing for urban vehicular environments. *Eurasip Journal on Wireless Communications and Networking*, **2011**, 2011,	3.2	19
7	Context-aware multimedia service composition using quality assessment **2011**,		3
6	Inter-domain Proxy Mobile IPv6 based Vehicular Network. *Network Protocols and Algorithms*, **2011**, 2,	0.3	7
5	A Novel Delay- and Reliability- Aware Inter-Vehicle Routing Protocol. *Network Protocols and Algorithms*, **2010**, 2,	0.3	8
4	Partially Overlapped Channel Assignment for Cloud-Based Heterogeneous Cellular and Mesh Networks. *Wireless Personal Communications*,1	1.9	
3	IVQFIoT: Intelligent vulnerability quantification framework for scoring internet of things vulnerabilities. *Expert Systems*,	2.1	3
2	Improving Positioning Accuracy Using Optimization Approaches: A Survey, Research Challenges and Future Perspectives. *Wireless Personal Communications*,1	1.9	2
1	Network Functions Virtualization for Mobile Core and Heterogeneous Cellular Networks. *Wireless Personal Communications*,1	1.9	2