Khalid Awan

List of Publications by Year
in descending order

29 papers	712 citations	623734 14 h-index	552781 26 g-index
32 all docs	32 docs citations	32 times ranked	929 citing authors

#	Article	IF	Citations
1	Underwater Wireless Sensor Networks: A Review of Recent Issues and Challenges. Wireless Communications and Mobile Computing, 2019, 2019, 1-20.	1.2	224
2	Machine learning-assisted signature and heuristic-based detection of malwares in Android devices. Computers and Electrical Engineering, 2018, 69, 828-841.	4.8	73
3	A Data Augmentation-Based Framework to Handle Class Imbalance Problem for Alzheimer's Stage Detection. IEEE Access, 2019, 7, 115528-115539.	4.2	66
4	A Heterogeneous IoV Architecture for Data Forwarding in Vehicle to Infrastructure Communication. Mobile Information Systems, 2019, 2019, 1-12.	0.6	40
5	A priority-based congestion-avoidance routing protocol using IoT-based heterogeneous medical sensors for energy efficiency in healthcare wireless body area networks. International Journal of Distributed Sensor Networks, 2019, 15, 155014771985398.	2.2	38
6	Design of evolutionary finite difference solver for numerical treatment of computer virus propagation with countermeasures model. Mathematics and Computers in Simulation, 2022, 193, 409-430.	4.4	27
7	A Proposed IoT-Enabled Smart Waste Bin Management System and Efficient Route Selection. Journal of Computer Networks and Communications, 2019, 2019, 1-9.	1.6	24
8	Cluster-based data dissemination, cluster head formation under sparse, and dense traffic conditions for vehicular ad hoc networks. International Journal of Communication Systems, 2018, 31, e3533.	2.5	23
9	RCER: Reliable Cluster-based Energy-aware Routing protocol for heterogeneous Wireless Sensor Networks. PLoS ONE, 2019, 14, e0222009.	2.5	20
10	Smart Handoff Technique for Internet of Vehicles Communication using Dynamic Edge-Backup Node. Electronics (Switzerland), 2020, 9, 524.	3.1	19
11	In-Vehicle Cognitive Route Decision Using Fuzzy Modeling and Artificial Neural Network. IEEE Access, 2019, 7, 20262-20272.	4.2	18
12	Efficient Cluster Head Selection Algorithm for MANET. Journal of Computer Networks and Communications, 2013, 2013, 1-7.	1.6	17
13	A Congestion Aware Route Suggestion Protocol for Traffic Management in Internet of Vehicles. Arabian Journal for Science and Engineering, 2020, 45, 2501-2511.	3.0	17
14	Barrier Access Control Using Sensors Platform and Vehicle License Plate Characters Recognition. Sensors, 2019, 19, 3015.	3.8	15
15	Energy efficient cluster based routing algorithm for wireless sensors networks. , 2018, , .		13
16	Wireless Body Area Networks Routing Protocols: A Review. Indonesian Journal of Electrical Engineering and Computer Science, 2016, 4, 594.	0.8	13
17	Certificateless Proxy Reencryption Scheme (CPRES) Based on Hyperelliptic Curve for Access Control in Content-Centric Network (CCN). Mobile Information Systems, 2020, 2020, 1-13.	0.6	10
18	Energy-aware cluster-based routing optimization for WSNs in the livestock industry. Transactions on Emerging Telecommunications Technologies, 2022, 33, e3816.	3.9	9

#	Article	IF	Citations
19	A Route Optimized Distributed IP-Based Mobility Management Protocol for Seamless Handoff across Wireless Mesh Networks. Mobile Networks and Applications, 2018, 23, 752-774.	3.3	8
20	Optimum bandwidth allocation in wireless networks using differential evolution. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 1401-1412.	4.9	8
21	AEGRP: AN ENHANCED GEOGRAPHICAL ROUTING PROTOCOL FOR VANET. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT	0.4	7
22	Fuzzy Logic Based Enhanced AOMDV with Link Status Classification for Efficient Multi-Path Routing in Multi-Hop Wireless Networks. Journal of Computational and Theoretical Nanoscience, 2017, 14, 620-630.	0.4	4
23	Toward Generating Human-Centered Video Annotations. Circuits, Systems, and Signal Processing, 2020, 39, 857-883.	2.0	3
24	Protocol Share Based Traffic Rate Analysis (PSBTRA) for UDP Bandwidth Attack. Communications in Computer and Information Science, 2011, , 275-289.	0.5	3
25	Dynamic Length Packet Size Communication Technique for Underwater Sensor Networks. , 2016, , .		2
26	Implementation of information security techniques on modern android based Kiosk ATM/remittance machines. , 2017, , .		2
27	Multi-Class Skin Cancer Detection and Classification Using Hybrid Features Extraction Techniques. Journal of Medical Imaging and Health Informatics, 2020, 10, 2466-2472.	0.3	2
28	Additional Resource Allocation for improving Fairness in WiMAX. Telkomnika (Telecommunication) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	1
29	Additional Resource Allocation for improving Fairness in WiMAX. Telkomnika (Telecommunication) Tj ETQq1 1 0.784314 rgBT /Overlo	0.8	0