Abdul Hanan Abdullah

List of Publications by Year
in descending order

41 papers	1,853 citations	331670 21 h-index	361022 35 g-index
41 all docs	41 docs citations	41 times ranked	2148 citing authors

#	Article	IF	Citations
1	Internet of Vehicles: Motivation, Layered Architecture, Network Model, Challenges, and Future Aspects. IEEE Access, 2016, 4, 5356-5373.	4.2	519
2	A Secure Trust Model Based on Fuzzy Logic in Vehicular Ad Hoc Networks With Fog Computing. IEEE Access, 2017, 5, 15619-15629.	4.2	180
3	VGDRA: A Virtual Grid-Based Dynamic Routes Adjustment Scheme for Mobile Sink-Based Wireless Sensor Networks. IEEE Sensors Journal, 2015, 15, 526-534.	4.7	141
4	A Comprehensive Study of Data Collection Schemes Using Mobile Sinks in Wireless Sensor Networks. Sensors, 2014, 14, 2510-2548.	3.8	119
5	A survey of wireless sensor network approaches and their energy consumption for monitoring farm fields in precision agriculture. Precision Agriculture, 2015, 16, 216-238.	6.0	92
6	Green Communication for Wireless Body Area Networks: Energy Aware Link Efficient Routing Approach. Sensors, 2018, 18, 3237.	3.8	67
7	A comparative analysis of energy conservation approaches in hybrid wireless sensor networks data collection protocols. Telecommunication Systems, 2016, 61, 159-179.	2.5	56
8	Geometry-Based Localization for GPS Outage in Vehicular Cyber Physical Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3800-3812.	6.3	53
9	Performance Improvement in Geographic Routing for Vehicular Ad Hoc Networks. Sensors, 2014, 14, 22342-22371.	3.8	50
10	Multiobjective Dynamic Vehicle Routing Problem and Time Seed Based Solution Using Particle Swarm Optimization. Journal of Sensors, 2015, 2015, 1-14.	1.1	47
11	A Dynamic Congestion Control Scheme for safety applications in vehicular ad hoc networks. Computers and Electrical Engineering, 2018, 72, 774-788.	4.8	46
12	Location information verification using transferable belief model for geographic routing in vehicular ad hoc networks. IET Intelligent Transport Systems, 2017, 11, 53-60.	3.0	38
13	TraPy-MAC: Traffic Priority Aware Medium Access Control Protocol for Wireless Body Area Network. Journal of Medical Systems, 2017, 41, 93.	3.6	35
14	Inter Vehicle Distance Based Connectivity Aware Routing in Vehicular Adhoc Networks. Wireless Personal Communications, 2018, 98, 33-54.	2.7	32
15	Location error resilient geographical routing for vehicular ad–hoc networks. IET Intelligent Transport Systems, 2017, 11, 450-458.	3.0	31
16	Traffic Adaptive MAC Protocols in Wireless Body Area Networks. Wireless Communications and Mobile Computing, 2017, 2017, 1-14.	1.2	31
17	Multi-metric geographic routing for vehicular ad hoc networks. Wireless Networks, 2018, 24, 2763-2779.	3.0	30
18	A Trust Model Using Edge Nodes and a Cuckoo Filter for Securing VANET under the NLoS Condition. Symmetry, 2020, 12, 609.	2.2	29

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19	Energy-Efficient Data Reporting for Navigation in Position-Free Hybrid Wireless Sensor Networks. IEEE Sensors Journal, 2017, 17, 2289-2297.	4.7	28
20	Traffic Class Prioritization-Based Slotted-CSMA/CA for IEEE 802.15.4 MAC in Intra-WBANs. Sensors, 2019, 19, 466.	3.8	24
21	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
22	A security and privacy scheme based on node and message authentication and trust in fog-enabled VANET. Vehicular Communications, 2021, 29, 100335.	4.0	22
23	The trends of Intrusion Prevention System network. , 2010, , .		19
24	An Approach for Optimizing Ensemble Intrusion Detection Systems. IEEE Access, 2021, 9, 6930-6947.	4.2	18
25	Efficient Cluster Head Selection Algorithm for MANET. Journal of Computer Networks and Communications, 2013, 2013, 1-7.	1.6	17
26	VGDD: A Virtual Grid Based Data Dissemination Scheme for Wireless Sensor Networks with Mobile Sink. International Journal of Distributed Sensor Networks, 2015, 11, 890348.	2.2	16
27	Interference-Aware Multipath Video Streaming in Vehicular Environments. IEEE Access, 2018, 6, 47610-47626.	4.2	13
28	Soft-GORA: Soft Constrained Globally Optimal Resource Allocation for Critical Links in IoT Backhaul Communication. IEEE Access, 2018, 6, 614-624.	4.2	12
29	EF-MPR, a new energy efficient multi-point relay selection algorithm for MANET. Journal of Supercomputing, 2012, 59, 744-761.	3.6	11
30	Patient Data Prioritization in the Cross-Layer Designs of Wireless Body Area Network. Journal of Computer Networks and Communications, 2015, 2015, 1-21.	1.6	11
31	Channel quality and utilization metric for interference estimation in Wireless Mesh Networks. Computers and Electrical Engineering, 2017, 64, 420-435.	4.8	10
32	Adaptive Interface Reconfiguration in Low-Rate Mesh WPANs. Journal of Computational and Theoretical Nanoscience, 2016, 13, 4703-4710.	0.4	8
33	Qualified Analysis b/w ESB(s) Using Analytical Hierarchy Process (AHP) Method. , 2011, , .		5
34	DF++ : an adaptive buffer-aware probabilistic delegation forwarding protocol for Delay Tolerant Network. Cluster Computing, 2014, 17, 1465-1472.	5.0	5
35	An adaptive interference–aware and traffic–aware channel assignment strategy for backhaul networks. Concurrency Computation Practice and Experience, 2020, 32, e5650.	2.2	5
36	Integrated sensor and RFID network node placement in disaster monitoring applications. , 2013, , .		3

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37	Recent Advances in Learning Theory. Computational Intelligence and Neuroscience, 2015, 2015, 1-4.	1.7	3
38	Video Streaming in Urban Vehicular Environments: Junction-Aware Multipath Approach. Electronics (Switzerland), 2019, 8, 1239.	3.1	3
39	Evolution and new architecture for bidding based grid resource selection. , 2011, , .		1
40	Deployment density estimation for α-Covering problem in wireless sensor network. , 2010, , .		0
41	Minimizing Overhead Computation Time for Grid Scheduling System Based on Partitioned Grid Information Service. , 2010, , .		0