

# Kaharudin Bin Dimiyati

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,051  
citations

430874

18  
h-index

477307

29  
g-index

60  
all docs

60  
docs citations

60  
times ranked

905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Power-domain non orthogonal multiple access (PD-NOMA) in cooperative networks: an overview. <i>Wireless Networks</i> , 2020, 26, 181-203.	3.0	88
2	A comprehensive review on coordinated multi-point operation for LTE-A. <i>Computer Networks</i> , 2017, 123, 19-37.	5.1	75
3	Interference management issues for the future 5G network: a review. <i>Telecommunication Systems</i> , 2019, 71, 627-643.	2.5	67
4	Survey of Radio Resource Management in 5G Heterogeneous Networks. <i>IEEE Access</i> , 2020, 8, 131202-131223.	4.2	51
5	Investigation of Future 5G-IoT Millimeter-Wave Network Performance at 38 GHz for Urban Microcell Outdoor Environment. <i>Electronics (Switzerland)</i> , 2019, 8, 495.	3.1	44
6	An Efficient 3-D Ray Tracing Method: Prediction of Indoor Radio Propagation at 28 GHz in 5G Network. <i>Electronics (Switzerland)</i> , 2019, 8, 286.	3.1	40
7	Mobility, Residual Energy, and Link Quality Aware Multipath Routing in MANETs with Q-learning Algorithm. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1582.	2.5	38
8	MCLMR: A Multicriteria Based Multipath Routing in the Mobile Ad Hoc Networks. <i>Wireless Personal Communications</i> , 2020, 112, 2461-2483.	2.7	35
9	Comparative Study of Indoor Propagation Model Below and Above 6 GHz for 5G Wireless Networks. <i>Electronics (Switzerland)</i> , 2019, 8, 44.	3.1	32
10	An optimal network coding based backpressure routing approach for massive IoT network. <i>Wireless Networks</i> , 2020, 26, 3657-3674.	3.0	32
11	A Stochastically Geometrical Poisson Point Process Approach for the Future 5G D2D Enabled Cooperative Cellular Network. <i>IEEE Access</i> , 2019, 7, 60465-60485.	4.2	30
12	On Platform to Enable the Cognitive Radio Over 5G Networks. <i>Wireless Personal Communications</i> , 2020, 113, 1241-1262.	2.7	29
13	Multi-UAV and SAR collaboration model for disaster management in 5G networks. <i>Internet Technology Letters</i> , 2024, 7, e310.	1.9	27
14	Ultrashort Pulse Soliton Fiber Laser Generation With Integration of Antimony Film Saturable Absorber. <i>Journal of Lightwave Technology</i> , 2018, 36, 3522-3527.	4.6	26
15	Propagation channel characterization for 28 and 73 GHz millimeter-wave 5G frequency band. , 2017, , .		25
16	Contention Window and Residual Battery Aware Multipath Routing Schemes in Mobile Ad-hoc Networks. <i>International Journal of Technology</i> , 2019, 10, 1376.	0.8	25
17	Interference cancelation for high-density fifth-generation relaying network using stochastic geometrical approach. <i>International Journal of Distributed Sensor Networks</i> , 2019, 15, 155014771985587.	2.2	24
18	DABPR: a large-scale internet of things-based data aggregation back pressure routing for disaster management. <i>Wireless Networks</i> , 2020, 26, 2353-2374.	3.0	24

#	ARTICLE	IF	CITATIONS
19	An Efficient Energy Harvesting and Optimal Clustering Technique for Sustainable Postdisaster Emergency Communication Systems. IEEE Access, 2021, 9, 78188-78202.	4.2	23
20	Channel characterization of 28 and 38 GHz MM-wave frequency band spectrum for the future 5G network. , 2017, , .		21
21	Detection of Formaldehyde Vapor Using Glass Substrate Coated With Zinc Oxide Nanorods. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	19
22	Performance of All-Optical Multicasting Via Dual-Stage XGM in SOA for Grid Networking. IEEE Photonics Technology Letters, 2006, 18, 2215-2217.	2.5	18
23	An Improved Radio Resource Management with Carrier Aggregation in LTE Advanced. Applied Sciences (Switzerland), 2017, 7, 394.	2.5	18
24	Indoor Millimeter-Wave Propagation Prediction by Measurement and Ray Tracing Simulation at 38 GHz. Symmetry, 2018, 10, 464.	2.2	18
25	Distributed Clustering for User Devices Under UAV Coverage Area during Disaster Recovery. , 2021, , .		18
26	Propagation Channel Measurement at 38 GHz for 5G mm-wave communication Network. , 2018, , .		17
27	CBPR: A Cluster-Based Backpressure Routing for the Internet of Things. Wireless Personal Communications, 2021, 118, 3167-3185.	2.7	14
28	Tracking via Square Grid of RFID Reader Positioning and Diffusion Algorithm. Wireless Personal Communications, 2011, 61, 227-250.	2.7	13
29	Characterization of MIMO propagation channel at 15 GHz for the 5G spectrum. , 2017, , .		13
30	A review on energy management issues for future 5G and beyond network. Wireless Networks, 2021, 27, 2691-2718.	3.0	13
31	Enhanced Quality of Service of Cell-Edge User by Extending Modified Largest Weighted Delay First Algorithm in LTE Networks. Symmetry, 2017, 9, 81.	2.2	12
32	A Smart 3D RT Method: Indoor Radio Wave Propagation Modelling at 28 GHz. Symmetry, 2019, 11, 510.	2.2	12
33	Low-Cost Integrated Zinc Oxide Nanorod-Based Humidity Sensors for Arduino Platform. IEEE Sensors Journal, 2019, 19, 2442-2449.	4.7	12
34	EMBLR: A High-Performance Optimal Routing Approach for D2D Communications in Large-scale IoT 5G Network. Symmetry, 2020, 12, 438.	2.2	12
35	Unmanned Aerial Vehicles for Post-Disaster Communication Networks. , 2020, , .		12
36	Feasibility study of 28GHz and 38GHz millimeter-wave technologies for fog radio access networks using multi-slope path loss model. Physical Communication, 2021, 47, 101401.	2.1	11

#	ARTICLE	IF	CITATIONS
37	Seamless handover between WiMAX and UMTS. , 2009, , .		9
38	Routing constraints in the device-to-device communication for beyond IoT 5G networks: a review. Wireless Networks, 2021, 27, 3207-3231.	3.0	9
39	Optimizing the Number of Fog Nodes for Finite Fog Radio Access Networks under Multi-Slope Path Loss Model. Electronics (Switzerland), 2020, 9, 2175.	3.1	8
40	Indoor 3-D RT Radio Wave Propagation Prediction Method: PL and RSSI Modeling Validation by Measurement at 4.5 GHz. Electronics (Switzerland), 2019, 8, 750.	3.1	5
41	Downlink Rate Analysis of Training-Based Massive MIMO Systems With Wireless Backhaul Networks. IEEE Access, 2018, 6, 45086-45099.	4.2	4
42	Caching and Multicasting for Fog Radio Access Networks. IEEE Access, 2022, 10, 1823-1838.	4.2	4
43	Employing an Energy Harvesting Strategy to Enhance the Performance of a Wireless Emergency Network. Sensors, 2022, 22, 4385.	3.8	4
44	RFID Transponder Collision Control Algorithm. Wireless Personal Communications, 2011, 59, 689-711.	2.7	3
45	An efficient packet scheduling algorithm to improve the performance of cell-edge user in LTE network. , 2017, , .		3
46	Training size optimization with reduced complexity in cell-free massive MIMO system. Wireless Networks, 2019, 25, 1983-1994.	3.0	3
47	Oblique projection: An interference mitigation for MIMO multihop full-duplex relay. Transactions on Emerging Telecommunications Technologies, 2020, 31, e3799.	3.9	3
48	MBMQA: A Multicriteria-Aware Routing Approach for the IoT 5G Network Based on D2D Communication. Electronics (Switzerland), 2021, 10, 2937.	3.1	3
49	A New Data-Conjugate Intercarrier (ICI) Self-Cancellation for ICI Reduction in Space Time Frequency Block Codes MIMO-OFDM System. , 2010, , .		2
50	Bimetallic Mo-Fe Co-Catalyst-Based Nano-Carbon Impregnated on PAC for Optimum Super-Hydrophobicity. Symmetry, 2020, 12, 1242.	2.2	2
51	Optimizing the Probability of Fog Nodes in a Finite Fog Radio Access Network. , 2021, , .		1
52	Scalable AWG-based Multi-Protocol Optical Switch (MPOS) for Future Optical GRID Networking. , 2005, , .		0
53	Physical & network performance of the multi-protocol optical switch (MPOS) for all-optical grid networking. , 2007, , .		0
54	Development of a novel atomization-based solution doping method for incorporating rare-earth into silica glass layers. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
55	Uplink call admission control with adaptive bit rate degradation for WCDMA. , 2009, , .		0
56	Quality of service (QoS) on IP using optical flow router. , 2010, , .		0
57	Improvement of Decision Making Protocol for Duty Cycle Division Multiplexing (DCDM) System. , 2010, , .		0
58	Enhancement of pairwise error probability performance in MIMO-OFDMA system using one-third ICI-SC subcarrier mapping technique with STFBC. , 2016, , .		0
59	Robust Vertical Handover Decision based on Two Thresholds and Multiple Parameters. , 2018, , .		0
60	Maximum Likelihood Localization Method With MIMO-OFDM Transmission. IEEE Access, 2021, 9, 150355-150365.	4.2	0