Omer Waqar

List of Publications by Year
in descending order

24 papers	271 citations	1307594 7 h-index	996975 15 g-index
24 all docs	24 docs citations	24 times ranked	244 citing authors

#	Article	IF	Citations
1	Throughput maximization of an IRS-assisted wireless powered network with interference: A deep unsupervised learning approach. Physical Communication, 2022, 51, 101558.	2.1	5
2	Federated learning and next generation wireless communications: A survey on bidirectional relationship. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	3.9	13
3	On the ergodic capacities of decode‐and‐forward MIMO relay network with simultaneous wireless information and power transfer. Transactions on Emerging Telecommunications Technologies, 2021, 32, .	3.9	2
4	Resource Optimization Framework for Physical Layer Security of Dual-Hop Multi-Carrier Decode and Forward Relay Networks. IEEE Open Journal of Antennas and Propagation, 2021, 2, 634-645.	3.7	2
5	Dynamic Parameters-Based Reversible Data Transform (RDT) Algorithm in Recommendation System. IEEE Access, 2021, 9, 110011-110025.	4.2	4
6	On Efficient DCT Type-I Based Low Complexity Channel Estimation for Uplink NB-IoT Systems. IEEE Access, 2021, 9, 129756-129770.	4.2	3
7	Secure Beamforming and Ergodic Secrecy Rate Analysis for Amplify-and-Forward Relay Networks With Wireless Powered Jammer. IEEE Transactions on Vehicular Technology, 2021, 70, 3908-3913.	6.3	6
8	Performance analysis for IRS‐aided communication systems with composite fading/shadowing direct link and discrete phase shifts. Transactions on Emerging Telecommunications Technologies, 2021, 32, e4320.	3.9	6
9	On the Design and Implementation of a Blockchain Enabled E-Voting Application Within IoT-Oriented Smart Cities. IEEE Access, 2021, 9, 34165-34176.	4.2	65
10	Optimizing Resource Allocation for 6G NOMA-Enabled Cooperative Vehicular Networks. IEEE Open Journal of Intelligent Transportation Systems, 2021, 2, 269-281.	4.8	14
11	On the Throughput of Wireless Powered Communication Systems With a Multiple Antenna Bidirectional Relay. IEEE Wireless Communications Letters, 2019, 8, 941-944.	5.0	7
12	Throughput Analysis of Wireless Energy-Harvesting Relaying Protocols for Nakagami-m Fading Channels. Arabian Journal for Science and Engineering, 2019, 44, 6851-6860.	3.0	2
13	Downlink Energy Transfer and Pilot Contamination Analysis in Multi-Cell Massive MIMO Systems. , 2018, , .		2
14	Mobility and energy aware routing algorithm for mobile ad-hoc networks. , 2017, , .		9
15	Energy efficiency of base station cooperation using amplify-and-forward relay protocol. , 2015, , .		1
16	Energy Consumption Analysis and Optimization of BER-Constrained Amplify-and-Forward Relay Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 1256-1269.	6.3	32
17	On the Error Analysis of Fixed-Gain Relay Networks over Composite Multipath/Shadowing Channels. , 2013, , .		5
18	Tight Bounds for Ergodic Capacity of Dual-Hop Fixed-Gain Relay Networks under Rayleigh Fading. IEEE Communications Letters, 2011, 15, 413-415.	4.1	26

#	Article	IF	Citations
19	Exact Evaluation of Ergodic Capacity for Multihop Variable-Gain Relay Networks: A Unified Framework for Generalized Fading Channels. IEEE Transactions on Vehicular Technology, 2010, 59, 4181-4187.	6.3	42
20	Outage and ergodic capacity expressions for fixed-gain relay networks in the presence of interference. , 2010, , .		1
21	Closed-form bounds on the ergodic capacity and symbol error probability of the opportunistic incremental relaying protocol. , 2010, , .		2
22	Performance analysis of dual-hop variable gain relay networks over Generalized-K fading channels. , 2010, , .		7
23	Performance analysis of non-regenerative opportunistic relaying in Nakagami-m fading. , 2009, , .		15
24	Outage Probability Analysis of Cooperative Communication Systems over Gamma-Shadowed Nakagami-m Fading Channels. , 2009, , .		0