

# Irfan Ahmed

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

668  
citations

1307594

7  
h-index

839539

18  
g-index

32  
all docs

32  
docs citations

32  
times ranked

753  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Hybrid Beamforming Techniques in 5G: Architecture and System Model Perspectives. IEEE Communications Surveys and Tutorials, 2018, 20, 3060-3097.	39.4	456
2	Resource Allocation for Transmit Hybrid Beamforming in Decoupled Millimeter Wave Multiuser-MIMO Downlink. IEEE Access, 2017, 5, 170-182.	4.2	28
3	On the fairness of resource allocation in wireless mesh networks: a survey. Wireless Networks, 2013, 19, 1451-1468.	3.0	21
4	Energy-Efficient Resource Allocation for Ultra-Dense Licensed and Unlicensed Dual-Access Small Cell Networks. IEEE Transactions on Mobile Computing, 2021, 20, 983-1000.	5.8	20
5	Characterization of the indoor-outdoor radio propagation channel at 2.4 GHz. , 2011, , .		16
6	Joint Machine Learning Based Resource Allocation and Hybrid Beamforming Design for Massive MIMO Systems. , 2018, , .		15
7	Machine Learning Based Beam Selection With Low Complexity Hybrid Beamforming Design for 5G Massive MIMO Systems. IEEE Transactions on Green Communications and Networking, 2021, 5, 2160-2173.	5.5	14
8	Power Optimal Connectivity and Capacity in Wireless Sensor Networks. , 2008, , .		12
9	Joint rate and cooperative MIMO scheme optimization for uniform energy distribution in Wireless Sensor Networks. Computer Communications, 2009, 32, 1072-1078.	5.1	12
10	Exploiting Geometric Advantages of Cooperative Communications for Energy Efficient Wireless Sensor Networks. International Journal of Communications, Network and System Sciences, 2008, 01, 55-61.	0.6	12
11	Large-Scale Empirical Model for a 2.4 GHz Wireless Network in an Outdoor Environment. , 2019, , .		7
12	On the fairness of frequency domain resource allocation in Wireless Mesh Networks &#x2014; A survey. , 2011, , .		6
13	A Machine Learning Approach to Achieving Energy Efficiency in Relay-Assisted LTE-A Downlink System. Sensors, 2019, 19, 3461.	3.8	6
14	Spatio-Radio Resource Management and Hybrid Beamforming for Limited Feedback Massive MIMO Systems. Electronics (Switzerland), 2019, 8, 1061.	3.1	6
15	On the group proportional fairness of frequency domain resource allocation in L-SC-FDMA based LTE uplink. , 2010, , .		4
16	Robust Hybrid Beam-Forming for Non-Orthogonal Multiple Access in Massive MIMO Downlink. Electronics (Switzerland), 2022, 11, 75.	3.1	4
17	Outage Optimal Resource Allocation for Two-Hop Multiuser Multirelay Cooperative Communication in OFDMA Upstream. , 2011, , .		3
18	Power control and group proportional fairness for frequency domain resource allocation in L-SC-FDMA based LTE uplink. Wireless Networks, 2015, 21, 1819-1834.	3.0	3

#	ARTICLE	IF	CITATIONS
19	Energy Efficiency in 5G Communications â€œ Conventional to Machine Learning Approaches. Journal of Telecommunications and Information Technology, 2021, 4, 1-9.	0.4	3
20	Academic Diversity and Assessment Process for CS Program Accreditation. Creative Education, 2015, 06, 773-784.	0.4	3
21	Optimal Tradeoff between MPP and Stability of a PV-Based Pumping System. Energies, 2022, 15, 1106.	3.1	3
22	Neural Networks for Energy-Efficient Self Optimization of eNodeB Antenna Tilt in 5G Mobile Network Environments. IEEE Access, 2022, 10, 61678-61694.	4.2	3
23	Hybrid frequency-time domain proportional fair resource allocation scheme for LTE downlink. , 2012, , .		2
24	Hybrid radio resource allocation and interference coordination for type 1aâ€œrelayed long term evolution uplink. IET Communications, 2014, 8, 1928-1937.	2.2	2
25	A low complexity hybrid combiner design for the illâ€œconditioned multiuser mmWave massive MIMO uplink. IET Communications, 2021, 15, 1434-1445.	2.2	2
26	Three dimensional channel aware scheduling in relay-assisted multi-cell LTE-A downlink. , 2014, , .		1
27	Energy Efficiency for Bisection based Power Allocation with Proportional Fairness in Relay-assisted LTE-A Downlink System. , 2018, , .		1
28	Power-Delay-Product, Area and Threshold-Loss Analysis of CMOS Full Adder Circuits. , 2019, , .		1
29	Energy Efficiency of Multiuser Sparse Massive MIMO System using Orthogonalized Hybrid Beamforming. , 2021, , .		1
30	Fairness Aware Group Proportional Frequency Domain Resource Allocation in L-SC-FDMA Based Uplink. International Journal of Communications, Network and System Sciences, 2011, 04, 487-494.	0.6	1
31	3â€œ quasi proportional fairness scheduling in relayâ€œassisted multicell LTEâ€œA downlink. Transactions on Emerging Telecommunications Technologies, 2016, 27, 1097-1114.	3.9	0
32	Design of Assessment Information System for Program Accreditation. , 2020, , 291-306.		0