

# Guftaar Ahmad Sardar Sidhu

## List of Publications by Year in descending order

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46  
papers

723  
citations

566801

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552369

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g-index

46  
all docs

46  
docs citations

46  
times ranked

753  
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint Spectral and Energy Efficiency Optimization for Downlink NOMA Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 645-656.	4.9	80
2	Efficient and Autonomous Energy Management Techniques for the Future Smart Homes. IEEE Transactions on Smart Grid, 2015, , 1-10.	6.2	66
3	A Joint Resource Allocation Scheme for Multiuser Two-Way Relay Networks. IEEE Transactions on Communications, 2011, 59, 2970-2975.	4.9	58
4	Efficient power allocation in downlink multi-cell multi-user NOMA networks. IET Communications, 2019, 13, 396-402.	1.5	53
5	Resource Allocation in Relay-Aided OFDM Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 3700-3710.	3.9	41
6	Joint Power Allocation and Link Selection for Multi-Carrier Buffer Aided Relay Network. Electronics (Switzerland), 2019, 8, 686.	1.8	37
7	Multiobjective Optimization of Uplink NOMA-Enabled Vehicle-to-Infrastructure Communication. IEEE Access, 2020, 8, 84467-84478.	2.6	30
8	Energy efficiency maximization for beyond 5G NOMA-enabled heterogeneous networks. Peer-to-Peer Networking and Applications, 2021, 14, 3250-3264.	2.6	28
9	Optimizing Combined Emission Economic Dispatch for Solar Integrated Power Systems. IEEE Access, 2016, , 1-1.	2.6	25
10	Efficient power allocation with individual QoS guarantees in future small-cell networks. AEU - International Journal of Electronics and Communications, 2019, 105, 36-41.	1.7	22
11	Power Allocation and User Assignment Scheme for beyond 5G Heterogeneous Networks. Wireless Communications and Mobile Computing, 2019, 2019, 1-11.	0.8	22
12	A Joint Optimization Framework for Energy Harvesting Based Cooperative CR Networks. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 452-462.	4.9	20
13	Deep Learning Based Power Optimizing for NOMA Based Relay Aided D2D Transmissions. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 917-928.	4.9	20
14	Fair power allocation in cooperative cognitive systems under NOMA transmission for future IoT networks. AEJ - Alexandria Engineering Journal, 2022, 61, 575-583.	3.4	19
15	On fair power optimization in nonorthogonal multiple access multiuser networks. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3540.	2.6	16
16	Joint User Pairing, Channel Assignment and Power Allocation in NOMA based CR Systems. Applied Sciences (Switzerland), 2019, 9, 4282.	1.3	16
17	Optimizing Resource Allocation for 6G NOMA-Enabled Cooperative Vehicular Networks. IEEE Open Journal of Intelligent Transportation Systems, 2021, 2, 269-281.	2.6	14
18	Efficient Resource Management for Sum Capacity Maximization in 5G NOMA Systems. Applied System Innovation, 2019, 2, 27.	2.7	13

#	ARTICLE	IF	CITATIONS
19	Enhancing physical layer security in dual-hop multiuser transmission. , 2016, , .		12
20	Achieving Green Transmission With Energy Harvesting Based Cooperative Communication. IEEE Access, 2018, 6, 27507-27517.	2.6	12
21	Resource Optimization for Cognitive Radio Based Device to Device Communication Under an Energy Harvesting Scenario. IEEE Access, 2020, 8, 24862-24872.	2.6	12
22	A Unified Power-Allocation Framework for Bidirectional Cognitive Radio Communication. IEEE Transactions on Vehicular Technology, 2017, 66, 3034-3044.	3.9	11
23	Enhancing physical layer security in AF relay-assisted multicarrier wireless transmission. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3289.	2.6	11
24	Joint subcarrier pairing and power loading in relay aided cognitive radio networks. , 2012, , .		9
25	Modeling and operation optimization of RE integrated microgrids considering economic, energy, and environmental aspects. International Journal of Energy Research, 2019, 43, 6721.	2.2	9
26	A Joint Resource Allocation Scheme for Relay Aided Uplink Multi-User OFDMA System. , 2011, , .		8
27	Achieving energy fairness in multiuser uplink CR transmission. , 2016, , .		8
28	FASPM: Fuzzy logic-based adaptive security protocol for multihop data dissemination in intelligent transport systems. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3190.	2.6	7
29	Artificial intelligence techniques for rate maximization in interference channels. Physical Communication, 2021, 47, 101294.	1.2	7
30	A general framework for optimizing AF based multi-relay OFDM systems. , 2012, , .		5
31	Maximizing secrecy rate of an orthogonal frequency division multiplexing-based multihop underwater acoustic sensor network. Transactions on Emerging Telecommunications Technologies, 2020, 31, e4106.	2.6	4
32	Secure backscatter-enabled NOMA system design in 6G era. Internet Technology Letters, 2021, 4, e307.	1.4	4
33	An optimization scheme for dual-hop device-to-device (DH-D2D) transmission. , 2015, , .		3
34	Optimizing multi-user CR transmission under RF energy harvesting. Physical Communication, 2019, 32, 209-216.	1.2	3
35	NOMA-enabled Wireless Powered Backscatter Communications for Secure and Green IoT Networks. Internet of Things, 2021, , 103-131.	1.3	3
36	Resource Optimization of D2D-Assisted CR Network With NOMA for 5G and Beyond Systems. IEEE Internet of Things Journal, 2022, 9, 21232-21245.	5.5	3

#	ARTICLE	IF	CITATIONS
37	User Assignment, Power Allocation, and Mode Selection Schemes in Cognitive Radio Networks. , 2014, , .		2
38	Adaptive bit-loading in relay-aided cognitive radio network. , 2017, , .		2
39	Resource optimization for dual-hop device to device networks. Telecommunication Systems, 2018, 69, 273-283.	1.6	2
40	Achieving Cost Minimization and Fairness in Multi-Supplier Smart Grid Environment. Energies, 2018, 11, 1367.	1.6	2
41	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.	2.5	2
42	User Assignment and Power Allocation Optimization in Cognitive Radio Networks. , 2014, , .		1
43	Optimizing D2D transmission for secure and reliable smart grid communication. , 2017, , .		1
44	Optimizing dual-hop systems under orthogonal transmission and relay selection schemes. , 2012, , .		0
45	A Fast Power Optimization Algorithm for Non-regenerative Dual Hop Relay Network. , 2014, , .		0
46	Index Detection Based Channel Estimation for Hybrid Massive MIMO MmWave Systems. , 2019, , .		0