

# Guftaar Ahmad Sardar Sidhu

## List of Publications by Year in descending order

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46  
papers

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citations

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docs citations

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times ranked

753  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Energy efficiency maximization for beyond 5G NOMA-enabled heterogeneous networks. Peer-to-Peer Networking and Applications, 2021, 14, 3250-3264.	2.6	28
5	Secure backscatter-enabled NOMA system design in 6G era. Internet Technology Letters, 2021, 4, e307.	1.4	4
6	Artificial intelligence techniques for rate maximization in interference channels. Physical Communication, 2021, 47, 101294.	1.2	7
7	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
8	Optimizing Resource Allocation for 6G NOMA-Enabled Cooperative Vehicular Networks. IEEE Open Journal of Intelligent Transportation Systems, 2021, 2, 269-281.	2.6	14
9	NOMA-enabled Wireless Powered Backscatter Communications for Secure and Green IoT Networks. Internet of Things, 2021, , 103-131.	1.3	3
10	Joint Spectral and Energy Efficiency Optimization for Downlink NOMA Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 645-656.	4.9	80
11	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
12	Multiobjective Optimization of Uplink NOMA-Enabled Vehicle-to-Infrastructure Communication. IEEE Access, 2020, 8, 84467-84478.	2.6	30
13	Resource Optimization for Cognitive Radio Based Device to Device Communication Under an Energy Harvesting Scenario. IEEE Access, 2020, 8, 24862-24872.	2.6	12
14	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
15	Joint Power Allocation and Link Selection for Multi-Carrier Buffer Aided Relay Network. Electronics (Switzerland), 2019, 8, 686.	1.8	37
16	Index Detection Based Channel Estimation for Hybrid Massive MIMO MmWave Systems. , 2019, , .		0
17	Efficient Resource Management for Sum Capacity Maximization in 5G NOMA Systems. Applied System Innovation, 2019, 2, 27.	2.7	13
18	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

#	ARTICLE	IF	CITATIONS
19	Efficient power allocation in downlink multi-cell multi-user NOMA networks. IET Communications, 2019, 13, 396-402.	1.5	53
20	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
21	Joint User Pairing, Channel Assignment and Power Allocation in NOMA based CR Systems. Applied Sciences (Switzerland), 2019, 9, 4282.	1.3	16
22	Power Allocation and User Assignment Scheme for beyond 5G Heterogeneous Networks. Wireless Communications and Mobile Computing, 2019, 2019, 1-11.	0.8	22
23	Optimizing multi-user CR transmission under RF energy harvesting. Physical Communication, 2019, 32, 209-216.	1.2	3
24	Enhancing physical layer security in AF relay-assisted multicarrier wireless transmission. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3289.	2.6	11
25	Resource optimization for dual-hop device to device networks. Telecommunication Systems, 2018, 69, 273-283.	1.6	2
26	On fair power optimization in nonorthogonal multiple access multiuser networks. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3540.	2.6	16
27	Achieving Cost Minimization and Fairness in Multi-Supplier Smart Grid Environment. Energies, 2018, 11, 1367.	1.6	2
28	Achieving Green Transmission With Energy Harvesting Based Cooperative Communication. IEEE Access, 2018, 6, 27507-27517.	2.6	12
29	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
30	A Unified Power-Allocation Framework for Bidirectional Cognitive Radio Communication. IEEE Transactions on Vehicular Technology, 2017, 66, 3034-3044.	3.9	11
31	Adaptive bit-loading in relay-aided cognitive radio network. , 2017, , .		2
32	Optimizing D2D transmission for secure and reliable smart grid communication. , 2017, , .		1
33	Enhancing physical layer security in dual-hop multiuser transmission. , 2016, , .		12
34	Optimizing Combined Emission Economic Dispatch for Solar Integrated Power Systems. IEEE Access, 2016, , 1-1.	2.6	25
35	Achieving energy fairness in multiuser uplink CR transmission. , 2016, , .		8
36	An optimization scheme for dual-hop device-to-device (DH-D2D) transmission. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
37	Efficient and Autonomous Energy Management Techniques for the Future Smart Homes. IEEE Transactions on Smart Grid, 2015, , 1-10.	6.2	66
38	User Assignment and Power Allocation Optimization in Cognitive Radio Networks. , 2014, , .		1
39	A Fast Power Optimization Algorithm for Non-regenerative Dual Hop Relay Network. , 2014, , .		0
40	User Assignment, Power Allocation, and Mode Selection Schemes in Cognitive Radio Networks. , 2014, , .		2
41	Resource Allocation in Relay-Aided OFDM Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 3700-3710.	3.9	41
42	A general framework for optimizing AF based multi-relay OFDM systems. , 2012, , .		5
43	Optimizing dual-hop systems under orthogonal transmission and relay selection schemes. , 2012, , .		0
44	Joint subcarrier pairing and power loading in relay aided cognitive radio networks. , 2012, , .		9
45	A Joint Resource Allocation Scheme for Relay Aided Uplink Multi-User OFDMA System. , 2011, , .		8
46	A Joint Resource Allocation Scheme for Multiuser Two-Way Relay Networks. IEEE Transactions on Communications, 2011, 59, 2970-2975.	4.9	58