

Guangchi Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,283
citations

13
h-index

35
g-index

55
ext. papers

1,647
ext. citations

3.4
avg. IF

5.43
L-index

#	Paper	IF	Citations
43	Secure Wireless Communication via Intelligent Reflecting Surface. <i>IEEE Wireless Communications Letters</i> , 2019 , 8, 1410-1414	5.9	312
42	Securing UAV Communications via Joint Trajectory and Power Control. <i>IEEE Transactions on Wireless Communications</i> , 2019 , 18, 1376-1389	9.6	239
41	Robust Trajectory and Transmit Power Design for Secure UAV Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 9042-9046	6.8	158
40	Outage Performance for Cognitive Relay Networks with Underlay Spectrum Sharing. <i>IEEE Communications Letters</i> , 2011 , 15, 710-712	3.8	132
39	Securing UAV Communications via Trajectory Optimization 2017 ,		78
38	Trajectory Optimization and Power Allocation for Multi-Hop UAV Relaying Communications. <i>IEEE Access</i> , 2018 , 6, 48566-48576	3.5	76
37	. <i>IEEE Transactions on Vehicular Technology</i> , 2018 , 67, 1331-1346	6.8	61
36	Relay Beamforming for Amplify-and-Forward Multi-Antenna Relay Networks with Energy Harvesting Constraint. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 454-458	3.2	42
35	Joint Power Allocation and Subcarrier Pairing for Cooperative OFDM AF Multi-Relay Networks. <i>IEEE Communications Letters</i> , 2013 , 17, 872-875	3.8	21
34	Throughput Improvement for Multi-Hop UAV Relaying. <i>IEEE Access</i> , 2019 , 7, 147732-147742	3.5	21
33	Throughput Maximization for IRS-Assisted Wireless Powered Hybrid NOMA and TDMA. <i>IEEE Wireless Communications Letters</i> , 2021 , 10, 1944-1948	5.9	21
32	Signal and artificial noise beamforming for secure simultaneous wireless information and power transfer multiple-input multiple-output relaying systems. <i>IET Communications</i> , 2016 , 10, 796-804	1.3	17
31	Generalized Wireless-Powered Communications: When to Activate Wireless Power Transfer?. <i>IEEE Transactions on Vehicular Technology</i> , 2019 , 68, 8243-8248	6.8	14
30	3D Trajectory and Transmit Power Optimization for UAV-Enabled Multi-Link Relaying Systems. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 5, 392-405	4	12
29	Signal-to-interference-plus-noise ratio-based multi-relay beamforming for multi-user multiple-input multiple-output cognitive relay networks with interference from primary network. <i>IET Communications</i> , 2015 , 9, 227-238	1.3	9
28	Bandwidth, Power and Trajectory Optimization for UAV Base Station Networks With Backhaul and User QoS Constraints. <i>IEEE Access</i> , 2020 , 8, 67625-67634	3.5	8
27	Transmit Antenna Selection in the Alamouti-Coded MIMO Relay Systems. <i>Wireless Personal Communications</i> , 2012 , 62, 879-891	1.9	7

26	Trajectory optimization and resource allocation for UAV base stations under in-band backhaul constraint. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2020 , 2020,	3.2	7
25	Transceiver design for cognitive multi-user MIMO multi-relay networks using imperfect CSI. <i>AEU - International Journal of Electronics and Communications</i> , 2016 , 70, 544-557	2.8	5
24	Cooperative UAV Enabled Relaying Systems: Joint Trajectory and Transmit Power Optimization. <i>IEEE Transactions on Green Communications and Networking</i> , 2021 , 1-1	4	5
23	Joint resource allocation with subcarrier pairing in cooperative OFDM DF multi-relay networks. <i>IET Communications</i> , 2015 , 9, 78-87	1.3	4
22	Decentralized Blockchain-Based Dynamic Spectrum Acquisition for Wireless Downlink Communications. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 986-997	4.8	4
21	Proactive Eavesdropping via Pilot Contamination and Jamming. <i>Wireless Personal Communications</i> , 2018 , 99, 1405-1421	1.9	3
20	Coplanar waveguide fed multiple input multiple output antenna with higher isolation and multi-sense circular polarization. <i>Journal of Electromagnetic Waves and Applications</i> , 2018 , 32, 685-694	1.3	3
19	Resource allocation for OFDM relay systems with statistical QoS guarantees. <i>International Journal of Communication Systems</i> , 2014 , 27, 991-1008	1.7	3
18	Achievable Rate Region Maximization in Intelligent Reflecting Surfaces-Assisted Interference Channel. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 1-1	6.8	3
17	Optimal Precoder Design for Non-Regenerative MIMO Cognitive Two-Way Relay Systems with Underlay Spectrum Sharing. <i>Wireless Personal Communications</i> , 2014 , 75, 1373-1390	1.9	2
16	Subcarrier-pair Based Power Allocation for Cooperative OFDM AF Multi-Relay Networks. <i>Wireless Personal Communications</i> , 2014 , 77, 3159-3175	1.9	2
15	QoS-Driven Jointly Optimal Subcarrier Pairing and Power Allocation for Decode-and-Forward OFDM Relay Systems. <i>Wireless Personal Communications</i> , 2013 , 71, 1597-1618	1.9	2
14	Performance Analysis for Traffic Offloading with MU-MIMO Enabled AP in LTE-U Networks 2017 ,		2
13	QoS-driven jointly optimal subcarrier pairing and power allocation for OFDM amplify-and-forward relay systems. <i>International Journal of Communication Systems</i> , 2014 , 27, 4492-4509	1.7	2
12	Resource allocation for MIMO multi-relay systems with zero-forcing relaying 2013 ,		1
11	Throughput maximization for wireless powered non-orthogonal multiple access networks with multiple antennas 2017 ,		1
10	Nearly optimal linear transceiver design for amplify-and-forward MIMO multiple-relay systems under MMSE criterion. <i>International Journal of Communication Systems</i> , 2014 , 27, 1702-1713	1.7	1
9	Performance Analysis of a Two-Hop Fixed-Gain MIMO Multiuser Relay Network with End-to-End Antenna Selection. <i>ETRI Journal</i> , 2012 , 34, 264-267	1.4	1

8	Joint Beamforming Optimization in Multi-Relay Assisted MIMO Over-the-Air Computation for Multi-Modal Sensing Data Aggregation. <i>IEEE Communications Letters</i> , 2021 , 1-1	3.8	1
7	Achievable Rate Maximization for Intelligent Reflecting Surface-Assisted Orbital Angular Momentum-Based Communication Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2021 , 70, 7277-7282	6.8	1
6	Joint Source and Relays Power Allocation for MIMO AF Multi-relay Networks. <i>Wireless Personal Communications</i> , 2015 , 83, 1915-1926	1.9	0
5	Statistically Robust Transceiver Design for Multi-RIS Assisted Multi-user MIMO Systems. <i>IEEE Communications Letters</i> , 2022 , 1-1	3.8	0
4	Joint Optimization for Multi-Antenna AF-Relay Aided Over-the-Air Computation. <i>IEEE Transactions on Vehicular Technology</i> , 2022 , 1-1	6.8	0
3	Deep Reinforcement Learning-Based Optimization for IRS-Assisted Cognitive Radio Systems. <i>IEEE Transactions on Communications</i> , 2022 , 1-1	6.9	0
2	Spectral and Energy-Efficient Wireless-Powered IoT Networks 2018 , 233-251		
1	IRS-assisted covert communication with eavesdropper's channel and noise information uncertainties. <i>Physical Communication</i> , 2022 , 53, 101662	2.2	