Gang Yang

List of Publications by Year
in descending order

25 papers	1,829 citations	516710 16 h-index	794594 19 g-index
25 all docs	25 docs citations	25 times ranked	1288 citing authors

#	Article	IF	Citations
1	Cooperative Ambient Backscatter Communications for Green Internet-of-Things. IEEE Internet of Things Journal, 2018, 5, 1116-1130.	8.7	278
2	Throughput Optimization for Massive MIMO Systems Powered by Wireless Energy Transfer. IEEE Journal on Selected Areas in Communications, 2015, , 1-1.	14.0	260
3	Modulation in the Air: Backscatter Communication Over Ambient OFDM Carrier. IEEE Transactions on Communications, 2018, 66, 1219-1233.	7.8	237
4	Symbiotic Radio: A New Communication Paradigm for Passive Internet of Things. IEEE Internet of Things Journal, 2020, 7, 1350-1363.	8.7	152
5	Multi-antenna Wireless Energy Transfer for Backscatter Communication Systems. IEEE Journal on Selected Areas in Communications, 2015, 33, 2974-2987.	14.0	121
6	Dynamic Resource Allocation for Multiple-Antenna Wireless Power Transfer. IEEE Transactions on Signal Processing, 2014, 62, 3565-3577.	5.3	114
7	Intelligent Reflecting Surface Assisted Non-Orthogonal Multiple Access. , 2020, , .		109
8	Reconfigurable Intelligent Surface-Assisted Non-Orthogonal Multiple Access. IEEE Transactions on Wireless Communications, 2021, 20, 3137-3151.	9.2	99
9	Energy-Efficient UAV Backscatter Communication With Joint Trajectory Design and Resource Optimization. IEEE Transactions on Wireless Communications, 2021, 20, 926-941.	9.2	97
10	Optimal Resource Allocation in Full-Duplex Ambient Backscatter Communication Networks for Wireless-Powered IoT. IEEE Internet of Things Journal, 2019, 6, 2612-2625.	8.7	82
11	Resource Allocation in NOMA-Enhanced Backscatter Communication Networks for Wireless Powered IoT. IEEE Wireless Communications Letters, 2020, 9, 117-120.	5.0	67
12	Resource Allocation in NOMA-Enhanced Full-Duplex Symbiotic Radio Networks. IEEE Access, 2020, 8, 22709-22720.	4.2	39
13	Joint Active and Passive Beamforming for Reconfigurable Intelligent Surface Enhanced Symbiotic Radio System. IEEE Wireless Communications Letters, 2021, 10, 1056-1060.	5.0	32
14	Reconfigurable Intelligent Surface Empowered Device-to-Device Communication Underlaying Cellular Networks. IEEE Transactions on Communications, 2021, 69, 7790-7805.	7.8	27
15	Backscatter Communication Assisted by Reconfigurable Intelligent Surfaces. Proceedings of the IEEE, 2022, 110, 1339-1357.	21.3	25
16	Reconfigurable Intelligent Surface Empowered Symbiotic Radio Over Broadcasting Signals. IEEE Transactions on Communications, 2021, 69, 7003-7016.	7.8	21
17	Capacity Characterization for Reconfigurable Intelligent Surfaces Assisted Multiple-Antenna Multicast. IEEE Transactions on Wireless Communications, 2021, 20, 6940-6953.	9.2	17
18	Energy-Efficient UAV Backscatter Communication with Joint Trajectory and Resource Optimization. , 2019, , .		14

#	Article	IF	Citations
19	Reconfigurable Intelligent Surface Enhanced Symbiotic Radio over Multicasting Signals. , 2021, , .		9
20	Joint Hybrid and Passive Beamforming for Millimeter Wave Symbiotic Radio Systems. IEEE Wireless Communications Letters, 2021, 10, 2294-2298.	5.0	8
21	Optimal Beamforming in Cooperative Cognitive Backscatter Networks for Wireless-Powered IoT. , 2018, , .		5
22	Securing Channel State Information in Multiuser MIMO With Limited Feedback. IEEE Transactions on Wireless Communications, 2020, 19, 3091-3103.	9.2	5
23	Optimal Resource Allocation in Full-Duplex Ambient Backscatter Communication Networks for Green IoT. , 2018, , .		4
24	Reconfigurable Intelligent Surface Empowered Underlaying Device-to-Device Communication. , 2021, , .		4
25	Spatial Modulation Based Multiple Access for Ambient Backscatter Networks. IEEE Communications Letters, 2022, 26, 197-201.	4.1	3