Xin Kang

List of Publications by Year
in descending order

40 papers	1,974 citations	471509 17 h-index	501196 28 g-index
40 all docs	40 docs citations	40 times ranked	1621 citing authors

#	Article	IF	Citations
1	Optimal power allocation for fading channels in cognitive radio networks: Ergodic capacity and outage capacity. IEEE Transactions on Wireless Communications, 2009, 8, 940-950.	9.2	541
2	Full-Duplex Wireless-Powered Communication Network With Energy Causality. IEEE Transactions on Wireless Communications, 2015, 14, 5539-5551.	9.2	214
3	Optimal Power Allocation Strategies for Fading Cognitive Radio Channels with Primary User Outage Constraint. IEEE Journal on Selected Areas in Communications, 2011, 29, 374-383.	14.0	194
4	Optimal power allocation for OFDM-based cognitive radio with new primary transmission protection criteria. IEEE Transactions on Wireless Communications, 2010, 9, 2066-2075.	9.2	152
5	Resource Allocation for Wireless-Powered IoT Networks With Short Packet Communication. IEEE Transactions on Wireless Communications, 2019, 18, 1447-1461.	9.2	105
6	Riding on the Primary: A New Spectrum Sharing Paradigm for Wireless-Powered IoT Devices. IEEE Transactions on Wireless Communications, 2018, 17, 6335-6347.	9.2	104
7	Distributed Power Control for Spectrum-Sharing Femtocell Networks Using Stackelberg Game. , 2011, , .		74
8	Analyzing Random Access Collisions in Massive IoT Networks. IEEE Transactions on Wireless Communications, 2018, 17, 6853-6870.	9.2	71
9	Random Access Analysis for Massive IoT Networks Under a New Spatio-Temporal Model: A Stochastic Geometry Approach. IEEE Transactions on Communications, 2018, 66, 5788-5803.	7.8	66
10	Optimization for Full-Duplex Rotary-Wing UAV-Enabled Wireless-Powered IoT Networks. IEEE Transactions on Wireless Communications, 2020, 19, 5057-5072.	9.2	57
11	Optimal Power Allocation for Fading Channels in Cognitive Radio Networks: Delay-Limited Capacity and Outage Capacity. IEEE Vehicular Technology Conference, 2008, , .	0.4	34
12	Cost Minimization for Fading Channels With Energy Harvesting and Conventional Energy. IEEE Transactions on Wireless Communications, 2014, 13, 4586-4598.	9.2	33
13	Optimizing DF Cognitive Radio Networks With Full-Duplex-Enabled Energy Access Points. IEEE Transactions on Wireless Communications, 2017, 16, 4683-4697.	9.2	31
14	Riding on the primary: A new spectrum sharing paradigm for wireless-powered IoT devices. , 2017, , .		27
15	Optimization for Wireless-Powered IoT Networks Enabled by an Energy-Limited UAV Under Practical Energy Consumption Model. IEEE Wireless Communications Letters, 2021, 10, 567-571.	5.0	25
16	Fading Cognitive Multiple Access Channels: Outage Capacity Regions and Optimal Power Allocation. IEEE Transactions on Wireless Communications, 2010, 9, 2382-2391.	9.2	24
17	A trust-based pollution attack prevention scheme in peer-to-peer streaming networks. Computer Networks, 2014, 72, 62-73.	5.1	24
18	On the Trust and Trust Modeling for the Future Fully-Connected Digital World: A Comprehensive Study. IEEE Access, 2021, 9, 106743-106783.	4.2	23

#	Article	IF	Citations
19	Secrecy Throughput Maximization for Full-Duplex Wireless Powered IoT Networks Under Fairness Constraints. IEEE Internet of Things Journal, 2019, 6, 6964-6976.	8.7	19
20	A Trust-Centric Privacy-Preserving Blockchain for Dynamic Spectrum Management in IoT Networks. IEEE Internet of Things Journal, 2022, 9, 13263-13278.	8.7	17
21	Cognitive Backscatter NOMA Networks With Multi-Slot Energy Causality. IEEE Communications Letters, 2020, 24, 2854-2858.	4.1	13
22	Joint Uplink-and-Downlink Optimization of 3-D UAV Swarm Deployment for Wireless-Powered IoT Networks. IEEE Internet of Things Journal, 2021, 8, 13397-13413.	8.7	13
23	Minimum Throughput Maximization for Peer-Assisted NOMA-Plus-TDMA Symbiotic Radio Networks. IEEE Wireless Communications Letters, 2021, 10, 1847-1851.	5.0	13
24	Throughput Maximization for Peer-Assisted Wireless Powered IoT NOMA Networks. IEEE Transactions on Wireless Communications, 2020, 19, 5278-5291.	9.2	12
25	Deep Gated Recurrent Unit-Based 3D Localization for UWB Systems. IEEE Access, 2021, 9, 68798-68813.	4.2	11
26	On Outage Capacity of Secondary Users in Fading Cognitive Radio Networks with Primary User's Outage Constraint. , 2009, , .		10
27	Toward Trustworthy DeFi Oracles: Past, Present, and Future. IEEE Access, 2022, 10, 60914-60928.	4.2	10
28	A New Spatio-Temporal Model for Random Access in Massive IoT Networks. , 2017, , .		7
29	Optimal Time Allocation for Full-Duplex Wireless-Powered IoT Networks with Unmanned Aerial Vehicle. , 2019, , .		7
30	Cooperative Beamforming for Large Intelligent Surface Assisted Symbiotic Radios. , 2020, , .		7
31	Cooperative Beamforming for Reconfigurable Intelligent Surface-Assisted Symbiotic Radios. IEEE Transactions on Vehicular Technology, 2022, 71, 11677-11692.	6.3	7
32	Full-Duplex Wireless-Powered IoT Networks With Unmanned Aerial Vehicle. , 2018, , .		6
33	Joint Uplink and Downlink 3D Optimization of an UAV Swarm for Wireless-Powered NB-IoT. , 2019, , .		6
34	Optimization for Master-UAV-Powered Auxiliary-Aerial-IRS-Assisted IoT Networks: An Option-Based Multi-Agent Hierarchical Deep Reinforcement Learning Approach. IEEE Internet of Things Journal, 2022, 9, 22887-22902.	8.7	5
35	Power Allocation for OFDM-Based Cognitive Radio Systems with Hybrid Protection to Primary Users. , 2009, , .		3
36	An Energy Harvesting Chain Model for Wireless-Powered IoT Networks. , 2018, , .		3

#	Article	IF	Citations
37	Secrecy Throughput Maximization for Massive MIMO Wireless Powered Communication Networks. , 2019, , .		3
38	Optimal Power Allocation for Fading Cognitive Multiple Access Channels: Individual Outage Capacity Region. , 2010, , .		1
39	Power Control Method for Energy Efficient Buffer-Aided Relay Systems. Energies, 2019, 12, 3234.	3.1	1
40	Universal gated recurrent unit-based 3D localization method for ultra-wideband systems. ICT Express, 2021, 7, 540-544.	4.8	1