

# Lifeng Wang

## List of Publications by Year in descending order

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40  
papers

2,718  
citations

361413

20  
h-index

677142

22  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2828  
citing authors

#	ARTICLE	IF	CITATIONS
1	Safeguarding 5G wireless communication networks using physical layer security. IEEE Communications Magazine, 2015, 53, 20-27.	6.1	838
2	User Association in 5G Networks: A Survey and an Outlook. IEEE Communications Surveys and Tutorials, 2016, 18, 1018-1044.	39.4	462
3	On the Security of Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2015, 64, 3790-3795.	6.3	221
4	Secure Communications in Millimeter Wave Ad Hoc Networks. IEEE Transactions on Wireless Communications, 2017, 16, 3205-3217.	9.2	133
5	Physical Layer Security of Maximal Ratio Combining in Two-Wave With Diffuse Power Fading Channels. IEEE Transactions on Information Forensics and Security, 2014, 9, 247-258.	6.9	107
6	Distributed Energy Efficient Fair User Association in Massive MIMO Enabled HetNets. IEEE Communications Letters, 2015, 19, 1770-1773.	4.1	97
7	Physical Layer Security in Three-Tier Wireless Sensor Networks: A Stochastic Geometry Approach. IEEE Transactions on Information Forensics and Security, 2016, 11, 1128-1138.	6.9	82
8	Security Enhancement of Cooperative Single Carrier Systems. IEEE Transactions on Information Forensics and Security, 2015, 10, 90-103.	6.9	75
9	Massive MIMO in Spectrum Sharing Networks: Achievable Rate and Power Efficiency. IEEE Systems Journal, 2017, 11, 20-31.	4.6	51
10	Artificial-Noise Aided Secure Transmission in Large Scale Spectrum Sharing Networks. IEEE Transactions on Communications, 2016, 64, 2116-2129.	7.8	50
11	Two-way relay networks with wireless power transfer: design and performance analysis. IET Communications, 2016, 10, 1810-1819.	2.2	49
12	Wireless Power Transfer in Massive MIMO-Aided HetNets With User Association. IEEE Transactions on Communications, 2016, 64, 4181-4195.	7.8	49
13	Spectral and Energy Efficiency of Uplink D2D Underlaid Massive MIMO Cellular Networks. IEEE Transactions on Communications, 2017, 65, 3780-3793.	7.8	49
14	Modeling and Analysis of Wireless Power Transfer in Heterogeneous Cellular Networks. IEEE Transactions on Communications, 2016, 64, 5290-5303.	7.8	46
15	Edge and Central Cloud Computing: A Perfect Pairing for High Energy Efficiency and Low-Latency. IEEE Transactions on Wireless Communications, 2020, 19, 1070-1083.	9.2	45
16	Spectrum and Energy Efficiency in Massive MIMO Enabled HetNets: A Stochastic Geometry Approach. IEEE Communications Letters, 2015, 19, 2294-2297.	4.1	42
17	Secrecy and Energy Efficiency in Massive MIMO Aided Heterogeneous C-RAN: A New Look at Interference. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1375-1389.	10.8	41
18	Wireless Powered Dense Cellular Networks: How Many Small Cells Do We Need?. IEEE Journal on Selected Areas in Communications, 2017, 35, 2010-2024.	14.0	41

#	ARTICLE	IF	CITATIONS
19	Content Placement in Cache-Enabled Sub-6 GHz and Millimeter-Wave Multi-Antenna Dense Small Cell Networks. IEEE Transactions on Wireless Communications, 2018, 17, 2843-2856.	9.2	38
20	Secure communication in cellular networks: The benefits of millimeter wave mobile broadband. , 2014, , .		36
21	Safeguarding massive MIMO aided hetnets using physical layer security. , 2015, , .		36
22	Millimeter Wave Power Transfer and Information Transmission. , 2015, , .		24
23	Edge Caching in Dense Heterogeneous Cellular Networks With Massive MIMO-Aided Self-Backhaul. IEEE Transactions on Wireless Communications, 2018, 17, 6360-6372.	9.2	24
24	Secure D2D communication in large-scale cognitive cellular networks with wireless power transfer. , 2015, , .		11
25	Massive MIMO in K-Tier Heterogeneous Cellular Networks: Coverage and Rate. , 2015, , .		10
26	On the security of large scale spectrum sharing networks. , 2015, , .		10
27	Physical Layer Security in Large-Scale Millimeter Wave Ad Hoc Networks. , 2016, , .		10
28	Uplink Interference Management in Massive MIMO Enabled Heterogeneous Cellular Networks. IEEE Wireless Communications Letters, 2016, 5, 560-563.	5.0	8
29	Ergodic capacity of cognitive TAS/GSC relaying in Nakagami-m fading channels. , 2014, , .		7
30	Throughput and Energy Efficiency for S-FFR in Massive MIMO Enabled Heterogeneous C-RAN. , 2016, , .		5
31	Energy coverage in wireless powered sub-6 GHz and millimeter wave dense cellular networks. , 2017, , .		5
32	Spatial-Spectral Terahertz Networks. IEEE Transactions on Wireless Communications, 2022, 21, 3881-3892.	9.2	5
33	SE and EE of Uplink D2D Underlaid Massive MIMO Cellular Networks with Power Control. , 2017, , .		4
34	On the security of cooperative single carrier systems. , 2014, , .		3
35	Massive MIMO in K-Tier Heterogeneous Cellular Networks: Coverage and Rate. , 2014, , .		1
36	Millimeter Wave Power Transfer and Information Transmission. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
37	Performance Analysis and Optimization of Cache-Enabled Small Cell Networks. , 2017, , .		1
38	The Synergy of Edge and Central Cloud Computing with Wireless MIMO Backhaul. , 2019, , .		1
39	Secure Multi-Antenna Transmission in Three-Tier Wireless Sensor Networks. , 2014, , .		0
40	Secure Multi-Antenna Transmission in Three-Tier Wireless Sensor Networks. , 2015, , .		0