

Jun-Bo Wang

List of Publications by Year in descending order

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55
papers

2,196
citations

279487

23
h-index

276539

41
g-index

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all docs

55
docs citations

55
times ranked

1327
citing authors

#	ARTICLE	IF	CITATIONS
1	Joint Beamforming and Power Allocation for Satellite-Terrestrial Integrated Networks With Non-Orthogonal Multiple Access. IEEE Journal on Selected Topics in Signal Processing, 2019, 13, 657-670.	7.3	303
2	Supporting IoT With Rate-Splitting Multiple Access in Satellite and Aerial-Integrated Networks. IEEE Internet of Things Journal, 2021, 8, 11123-11134.	5.5	243
3	Tight Bounds on Channel Capacity for Dimmable Visible Light Communications. Journal of Lightwave Technology, 2013, 31, 3771-3779.	2.7	180
4	Performance Analysis of Multi-Antenna Hybrid Satellite-Terrestrial Relay Networks in the Presence of Interference. IEEE Transactions on Communications, 2015, 63, 4390-4404.	4.9	163
5	Joint Beamforming for Secure Communication in Cognitive Satellite Terrestrial Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1017-1029.	9.7	126
6	Robust Secure Beamforming for 5G Cellular Networks Coexisting With Satellite Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 932-945.	9.7	102
7	Physical-Layer Security for Indoor Visible Light Communications: Secrecy Capacity Analysis. IEEE Transactions on Communications, 2018, 66, 6423-6436.	4.9	86
8	On the Performance of LMS Communication With Hardware Impairments and Interference. IEEE Transactions on Communications, 2019, 67, 1490-1505.	4.9	82
9	Energy Efficient Beamforming Schemes for Satellite-Aerial-Terrestrial Networks. IEEE Transactions on Communications, 2020, 68, 3863-3875.	4.9	79
10	Performance Analysis of Hybrid Satellite-Terrestrial Cooperative Networks With Relay Selection. IEEE Transactions on Vehicular Technology, 2020, 69, 9053-9067.	3.9	67
11	Robust Secure Beamforming for Wireless Powered Cognitive Satellite-Terrestrial Networks. IEEE Transactions on Cognitive Communications and Networking, 2021, 7, 567-580.	4.9	62
12	Coverage Analysis for Millimeter Wave Cellular Networks With Imperfect Beam Alignment. IEEE Transactions on Vehicular Technology, 2018, 67, 8302-8314.	3.9	55
13	Hovering UAV-Based FSO Communications: Channel Modelling, Performance Analysis, and Parameter Optimization. IEEE Journal on Selected Areas in Communications, 2021, 39, 2946-2959.	9.7	42
14	Joint Optimization of Transmission and Computation Resources for Satellite and High Altitude Platform Assisted Edge Computing. IEEE Transactions on Wireless Communications, 2022, 21, 1362-1377.	6.1	40
15	Integrated 5G-Satellite Networks: A Perspective on Physical Layer Reliability and Security. IEEE Wireless Communications, 2020, 27, 152-159.	6.6	37
16	A Partially Dynamic Subarrays Structure for Wideband mmWave MIMO Systems. IEEE Transactions on Communications, 2020, 68, 7578-7592.	4.9	36
17	On the Secrecy Rate of Spatial Modulation-Based Indoor Visible Light Communications. IEEE Journal on Selected Areas in Communications, 2019, 37, 2087-2101.	9.7	35
18	Joint Optimization of Offloading and Resources Allocation in Secure Mobile Edge Computing Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 8843-8854.	3.9	33

#	ARTICLE	IF	CITATIONS
19	Joint Optimization of Trajectory and Communication Resource Allocation for Unmanned Surface Vehicle Enabled Maritime Wireless Networks. IEEE Transactions on Communications, 2021, 69, 8100-8115.	4.9	30
20	Adaptive Spatial Modulation for Visible Light Communications With an Arbitrary Number of Transmitters. IEEE Access, 2018, 6, 37108-37123.	2.6	28
21	Adaptive Spatial Modulation Based Visible Light Communications: SER Analysis and Optimization. IEEE Photonics Journal, 2018, 10, 1-14.	1.0	26
22	Joint MU-MIMO Precoding and Resource Allocation for Mobile-Edge Computing. IEEE Transactions on Wireless Communications, 2021, 20, 1639-1654.	6.1	25
23	Outage performance of distributed antenna systems over shadowed Nakagami- m fading channels. European Transactions on Telecommunications, 2009, 20, 531-535.	1.2	23
24	Outage Analysis for Relay-Aided Free-Space Optical Communications Over Turbulence Channels With Nonzero Boresight Pointing Errors. IEEE Photonics Journal, 2014, 6, 1-15.	1.0	23
25	Intelligent Reflecting Surface-Assisted mmWave Communication Exploiting Statistical CSI. , 2020, , .		21
26	Ergodic sum rate for uplink NOMA transmission in satellite-aerial-ground integrated networks. Chinese Journal of Aeronautics, 2022, 35, 58-70.	2.8	20
27	Joint MIMO Precoding and Computation Resource Allocation for Dual-Function Radar and Communication Systems With Mobile Edge Computing. IEEE Journal on Selected Areas in Communications, 2022, 40, 2085-2102.	9.7	20
28	Capacity analysis for dimmable visible light communications. , 2014, , .		19
29	Capacity analysis for pulse amplitude modulated visible light communications with dimming control. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 561.	0.8	18
30	Joint Optimization of Transmission Bandwidth Allocation and Data Compression for Mobile-Edge Computing Systems. IEEE Communications Letters, 2020, 24, 2245-2249.	2.5	18
31	Tight Capacity Bounds for Indoor Visible Light Communications With Signal-Dependent Noise. IEEE Transactions on Wireless Communications, 2021, 20, 1700-1713.	6.1	17
32	Imperfect CSI-Based Joint Resource Allocation in Multirelay OFDMA Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 3806-3817.	3.9	16
33	Joint Beamforming for Integrated Mmwave Satellite-Terrestrial Self-Backhauled Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 9103-9117.	3.9	16
34	On the Secrecy Performance of Random VLC Networks With Imperfect CSI and Protected Zone. IEEE Systems Journal, 2020, 14, 4176-4187.	2.9	15
35	Tradeoff Between Secrecy Capacity and Harvested Energy for Secure Visible Light Communications With SWIPT. IEEE Access, 2019, 7, 29543-29552.	2.6	13
36	Capacity bounds for dimmable visible light communications using PIN photodiodes with input-dependent Gaussian noise. , 2014, , .		11

#	ARTICLE	IF	CITATIONS
37	Performance Analysis and Improvement for Secure VLC With SLIPT and Random Terminals. IEEE Access, 2020, 8, 73645-73658.	2.6	10
38	Joint Scheduling and Precoding for mmWave and Sub-6GHz Dual-Mode Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 13098-13111.	3.9	9
39	Multi-IRS-Assisted mmWave MIMO Communication Using Twin-Timescale Channel State Information. IEEE Transactions on Communications, 2022, 70, 6370-6384.	4.9	7
40	Joint Beamforming and Computation Offloading for Multi-User Mobile-Edge Computing. , 2019, , .		5
41	Intelligent Reflecting Surface Aided Millimeter Wave Communication Using Subarray-Connected Structure. IEEE Transactions on Vehicular Technology, 2022, 71, 5581-5586.	3.9	5
42	Three lower bounds on secrecy capacity for indoor visible light communications. , 2017, , .		4
43	Secrecy Outage Probability Analysis for Visible Light Communications with SWIPT and Random Terminals. , 2019, , .		4
44	Intelligent Reflecting Surface Assisted mmWave Communication Using Mixed Timescale Channel State Information. IEEE Transactions on Wireless Communications, 2022, 21, 5673-5687.	6.1	4
45	Beamforming Design for IRS-assisted Uplink Cognitive Satellite-Terrestrial Networks with NOMA. , 2021, , .		4
46	Combined Beamforming with NOMA for Cognitive Satellite Terrestrial Networks. , 2019, , .		3
47	Outage Performance Analysis and Parameter optimization of Hovering UAV-Based FSO System. , 2020, , .		3
48	A New Lower Bound Based Secure Beamforming in MISO Communication Networks. IEEE Communications Letters, 2019, 23, 1474-1478.	2.5	2
49	A Low-Complexity and Adaptive Extraction Method for Reflection Hyperbolic Edges in Impulse GPR Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	2
50	Impact of Finite-Resolution Precoding and Limited Feedback on Rates of IRS Based mmWave Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 5172-5186.	3.9	2
51	Outage Performance of Satellite-Aerial-Terrestrial Network. , 2019, , .		1
52	Joint Beamforming and Channel Allocation for Multi-User and Multi-Channel URLLC Systems. , 2022, , .		1
53	Joint Precoding in Power-Efficient System with Low-Precision Intelligent Reflecting Surfaces and Phase Shifters. , 2021, , .		0
54	Precoding Design for IRS-Assisted Full-Duplex Self-Backhauled Communications. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
55	Achievable Rate Analysis for Distributed Intelligent Reflecting Surface-Aided MIMO Communications. , 2021, , .		0