

Jian Sun

List of Publications by Year in descending order

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45
papers

1,543
citations

567281

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610901

24
g-index

45
all docs

45
docs citations

45
times ranked

1301
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of 5G Channel Measurements and Models. IEEE Communications Surveys and Tutorials, 2018, 20, 3142-3168.	39.4	376
2	Multi-Frequency mmWave Massive MIMO Channel Measurements and Characterization for 5G Wireless Communication Systems. IEEE Journal on Selected Areas in Communications, 2017, 35, 1591-1605.	14.0	181
3	60-GHz Millimeter-Wave Channel Measurements and Modeling for Indoor Office Environments. IEEE Transactions on Antennas and Propagation, 2017, 65, 1912-1924.	5.1	148
4	5G Millimeter Wave Channel Sounders, Measurements, and Models: Recent Developments and Future Challenges. IEEE Communications Magazine, 2019, 57, 138-145.	6.1	100
5	Novel 3-D Nonstationary MmWave Massive MIMO Channel Models for 5G High-Speed Train Wireless Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 2077-2086.	6.3	87
6	Multi-Frequency Multi-Scenario Millimeter Wave MIMO Channel Measurements and Modeling for B5G Wireless Communication Systems. IEEE Journal on Selected Areas in Communications, 2020, 38, 2010-2025.	14.0	83
7	A Big Data Enabled Channel Model for 5G Wireless Communication Systems. IEEE Transactions on Big Data, 2020, 6, 211-222.	6.1	73
8	A Novel Nonstationary 6G UAV-to-Ground Wireless Channel Model With 3-D Arbitrary Trajectory Changes. IEEE Internet of Things Journal, 2021, 8, 9865-9877.	8.7	67
9	A WINNER+ Based 3-D Non-Stationary Wideband MIMO Channel Model. IEEE Transactions on Wireless Communications, 2018, 17, 1755-1767.	9.2	66
10	Deep Reinforcement Learning for Dynamic Spectrum Sensing and Aggregation in Multi-Channel Wireless Networks. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 464-475.	7.9	51
11	Predicting Wireless MmWave Massive MIMO Channel Characteristics Using Machine Learning Algorithms. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	43
12	A 2-D Non-Stationary GBSM for Vehicular Visible Light Communication Channels. IEEE Transactions on Wireless Communications, 2018, 17, 7981-7992.	9.2	39
13	A 3D Wideband Non-Stationary Multi-Mobility Model for Vehicle-to-Vehicle MIMO Channels. IEEE Access, 2019, 7, 32562-32577.	4.2	33
14	Spatial Correlations of a 3-D Non-Stationary MIMO Channel Model With 3-D Antenna Arrays and 3-D Arbitrary Trajectories. IEEE Wireless Communications Letters, 2019, 8, 512-515.	5.0	25
15	A novel 3D GBSM for mmWave MIMO channels. Science China Information Sciences, 2018, 61, 1.	4.3	23
16	Measurements and modeling of human blockage effects for multiple millimeter Wave bands. , 2017, , .		20
17	A novel 3D frequency domain SAGE algorithm with applications to parameter estimation in mmWave massive MIMO indoor channels. Science China Information Sciences, 2017, 60, 1.	4.3	15
18	Wireless channel parameter estimation algorithms: Recent advances and future challenges. China Communications, 2018, 15, 211-228.	3.2	15

#	ARTICLE	IF	CITATIONS
19	A 3D Wideband Geometry-Based Stochastic Model for UAV Air-to-Ground Channels. , 2018, , .		13
20	Novel Multiple RIS-Assisted Communications for 6G Networks. IEEE Communications Letters, 2022, 26, 1413-1417.	4.1	12
21	Channel Measurements and Modeling for 400â€“600-MHz Bands in Urban and Suburban Scenarios. IEEE Internet of Things Journal, 2021, 8, 5531-5543.	8.7	11
22	A Novel 3D Non-Stationary Maritime Wireless Channel Model. IEEE Transactions on Communications, 2022, 70, 2102-2116.	7.8	11
23	Implementation of a 2x2 MIMO-OFDM Real-Time System on DSP/FPGA Platform. , 2011, , .		6
24	Carrier frequency offset estimation for interleaved OFDMA uplink using unitary MUSIC. , 2011, , .		4
25	A new joint eigenvalue distribution of finite random matrix for cognitive radio networks. IET Communications, 2016, 10, 1584-1589.	2.2	4
26	Physical-Layer Security of Visible Light Communications with Jamming. , 2019, , .		4
27	A Non-Stationary VVLC MIMO Channel Model for Street Corner Scenarios. , 2020, , .		4
28	Dynamic Spectrum Aggregation and Access Scheme Based on Multi-Agent Actor-Critic Reinforcement Learning. , 2021, , .		4
29	Standard Condition Number Distributions of Finite Wishart Matrices for Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4630-4634.	6.3	3
30	Standard Condition Number of Hessian Matrix for Neural Networks. , 2019, , .		3
31	A 3D Wideband GBSM for THz Communications in Indoor Scenarios. , 2019, , .		3
32	Channel Characteristics Analysis of 60 GHz Wireless Communications in Staircase Environments. , 2020, , .		3
33	A Novel Channel Estimation Scheme for Frequency-Selective mmWave Massive MIMO Systems. , 2020, , .		3
34	Multi-User UAV Channel Modeling With Massive MIMO Configuration. , 2021, , .		3
35	Frame Detection of OFDM System with Periodic Pattern Preamble. , 2010, , .		2
36	Frequency Synchronization Algorithms for MIMO-OFDM Systems with Periodic Preambles. International Journal of Distributed Sensor Networks, 2014, 10, 740906.	2.2	2

#	ARTICLE	IF	CITATIONS
37	Dimension Boundary Between Finite and Infinite Random Matrices in Cognitive Radio Networks. IEEE Communications Letters, 2017, 21, 1707-1710.	4.1	2
38	A 3D Non-Stationary GBSM for Mobile-to-Mobile Underwater Acoustic Communication Channels. , 2021, , .		1
39	A novel preamble design for Multi-Cell OFDMA Downlink Systems. , 2010, , .		0
40	Signaling scheme design based on HDR Alamouti code for RFID tags using two antennas. , 2013, , .		0
41	Multi-carrier relay selection schemes in cognitive radio system. , 2013, , .		0
42	Comparison of OFDM and SC-FDE for VLC Systems with a Nonlinear LED Model. , 2020, , .		0
43	Tensor-Based Channel Estimation for 3D mmWave Massive MIMO Systems. , 2021, , .		0
44	Ray Tracing Based Sub-6 GHz Wireless Channel Characteristics Analysis in Underground Garage Environments. , 2021, , .		0
45	ARResNet: A convolutional neural network based on human ear features to construct abnormal sound detection system for air-conditioning. , 2021, , .		0