Jian Sun

List of Publications by Year
in descending order

45 papers	1,543 citations	567281 15 h-index	610901 24 g-index
45 all docs	45 docs citations	45 times ranked	1301 citing authors

#	Article	IF	Citations
1	A Novel 3D Non-Stationary Maritime Wireless Channel Model. IEEE Transactions on Communications, 2022, 70, 2102-2116.	7.8	11
2	Novel Multiple RIS-Assisted Communications for 6G Networks. IEEE Communications Letters, 2022, 26, 1413-1417.	4.1	12
3	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
4	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
5	Tensor-Based Channel Estimation for 3D mmWave Massive MIMO Systems. , 2021, , .		0
6	A 3D Non-Stationary GBSM for Mobile-to-Mobile Underwater Acoustic Communication Channels. , 2021, , .		1
7	Multi-User UAV Channel Modeling With Massive MIMO Configuration. , 2021, , .		3
8	Dynamic Spectrum Aggregation and Access Scheme Based on Multi-Agent Actor-Critic Reinforcement Learning. , 2021, , .		4
9	Ray Tracing Based Sub-6 GHz Wireless Channel Characteristics Analysis in Underground Garage Environments. , 2021, , .		0
10	ARResNet: A convolutional neural network based on human ear features to construct abnormal sound detection system for air-conditioning. , 2021, , .		0
11	A Big Data Enabled Channel Model for 5G Wireless Communication Systems. IEEE Transactions on Big Data, 2020, 6, 211-222.	6.1	73
12	Channel Characteristics Analysis of 60 GHz Wireless Communications in Staircase Environments. , 2020, , .		3
13	A Non-Stationary VVLC MIMO Channel Model for Street Corner Scenarios. , 2020, , .		4
14	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
15	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
16	Comparison of OFDM and SC-FDE for VLC Systems with a Nonlinear LED Model. , 2020, , .		0
17	A Novel Channel Estimation Scheme for Frequency-Selective mmWave Massive MIMO Systems. , 2020, , .		3
18	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

#	Article	IF	Citations
19	Standard Condition Number of Hessian Matrix for Neural Networks. , 2019, , .		3
20	A 3D Wideband Non-Stationary Multi-Mobility Model for Vehicle-to-Vehicle MIMO Channels. IEEE Access, 2019, 7, 32562-32577.	4.2	33
21	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
22	Physical-Layer Security of Visible Light Communications with Jamming. , 2019, , .		4
23	A 3D Wideband GBSM for THz Communications in Indoor Scenarios. , 2019, , .		3
24	5G Millimeter Wave Channel Sounders, Measurements, and Models: Recent Developments and Future Challenges. IEEE Communications Magazine, 2019, 57, 138-145.	6.1	100
25	Standard Condition Number Distributions of Finite Wishart Matrices for Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4630-4634.	6.3	3
26	A WINNER+ Based 3-D Non-Stationary Wideband MIMO Channel Model. IEEE Transactions on Wireless Communications, 2018, 17, 1755-1767.	9.2	66
27	A 3D Wideband Geometry-Based Stochastic Model for UAV Air-to-Ground Channels. , 2018, , .		13
28	A 2-D Non-Stationary GBSM for Vehicular Visible Light Communication Channels. IEEE Transactions on Wireless Communications, 2018, 17, 7981-7992.	9.2	39
29	A novel 3D GBSM for mmWave MIMO channels. Science China Information Sciences, 2018, 61, 1.	4.3	23
30	Wireless channel parameter estimation algorithms: Recent advances and future challenges. China Communications, 2018, 15, 211-228.	3.2	15
31	A Survey of 5G Channel Measurements and Models. IEEE Communications Surveys and Tutorials, 2018, 20, 3142-3168.	39.4	376
32	Predicting Wireless MmWave Massive MIMO Channel Characteristics Using Machine Learning Algorithms. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	43
33	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
34	Dimension Boundary Between Finite and Infinite Random Matrices in Cognitive Radio Networks. IEEE Communications Letters, 2017, 21, 1707-1710.	4.1	2
35	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
36	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

#	Article	IF	Citations
37	Measurements and modeling of human blockage effects for multiple millimeter Wave bands. , 2017, , .		20
38	A new joint eigenvalue distribution of finite random matrix for cognitive radio networks. IET Communications, 2016, 10, 1584-1589.	2.2	4
39	Frequency Synchronization Algorithms for MIMO-OFDM Systems with Periodic Preambles. International Journal of Distributed Sensor Networks, 2014, 10, 740906.	2.2	2
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	Carrier frequency offset estimation for interleaved OFDMA uplink using unitary MUSIC. , 2011, , .		4
43	Implementation of a 2x2 MIMO-OFDM Real-Time System on DSP/FPGA Platform. , 2011, , .		6
44	A novel preamble design for Multi-Cell OFDMA Downlink Systems. , 2010, , .		0
45	Frame Detection of OFDM System with Periodic Pattern Preamble. , 2010, , .		2