Xuefeng Yin

List of Publications by Year
in descending order

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118 papers	1,892 citations	361413 20 h-index	361022 35 g-index
118 all docs	118 docs citations	118 times ranked	1456 citing authors

#	Article	IF	Citations
1	A General 3D Non-Stationary 6G Channel Model With Time-Space Consistency. IEEE Transactions on Communications, 2022, 70, 3436-3450.	7.8	12
2	Measurement-Based Wideband Space-Time Channel Models for 77GHz Automotive Radar in Underground Parking Lots. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 19105-19120.	8.0	5
3	Deep Learning-Based Joint Communication and Sensing for 6G Cellular-Connected UAVs. , 2022, , .		4
4	Measurement-Based Propagation Channel Modeling for Communication between a UAV and a USV. , 2022, , .		6
5	Embedded Propagation Graph Model for Reflection and Scattering and Its Millimeter-Wave Measurement-Based Evaluation. IEEE Open Journal of Antennas and Propagation, 2021, 2, 191-202.	3.7	0
6	IEEE Access Special Section Editorial: Millimeter-Wave and Terahertz Propagation, Channel Modeling, and Applications. IEEE Access, 2021, 9, 67660-67666.	4.2	8
7	Air-to-Ground Channel Characterization for Low-Height UAVs in Realistic Network Deployments. IEEE Transactions on Antennas and Propagation, 2021, 69, 992-1006.	5.1	35
8	On the End-to-End Latency of Cellular-Connected UAV Communications. , 2021, , .		2
9	Geometry-Based MPC Tracking and Modeling Algorithm for Time-Varying UAV Channels. IEEE Transactions on Wireless Communications, 2021, 20, 2700-2715.	9.2	12
10	Measurement-Based Channel Characterization for 5G Downlink Based on Passive Sounding in Sub-6 GHz 5G Commercial Networks. IEEE Transactions on Wireless Communications, 2021, 20, 3225-3239.	9.2	10
11	Empirical Dynamic Modeling for Low-Altitude UAV Propagation Channels. IEEE Transactions on Wireless Communications, 2021, 20, 5171-5185.	9.2	10
12	Wideband High-Speed-Train Channel Characterization Based on Measurements in In-service 5G-NR Networks. , 2020, , .		1
13	Measurement-based Double-Directional Polarimetric Characterization of Outdoor Massive MIMO Propagation Channels at 3.5GHz. , 2020, , .		2
14	Measurementâ€Based Experimental Statistical Modeling of Propagation Channel in Industrial IoT Scenario. Radio Science, 2020, 55, e2019RS007013.	1.6	11
15	Measurement-based Characterization of 73GHz Propagation Channels in Scatterer-rich Environments. , 2020, , .		1
16	A Graph-based Simulation Method for Propagation Channels with Multiple-knife-edge Diffraction. , 2020, , .		2
17	Shadowing and Multipath-Fading Statistics at 2.4 GHz and 39 GHz in Vehicle-to-Vehicle Scenarios. , 2020, , .		4
18	Performance of 5G terrestrial network deployments for serving UAV communications. , 2020, , .		7

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19	A Novel Power Spectrum-Based Sequential Tracker for Time-Variant Radio Propagation Channel. IEEE Access, 2020, 8, 151267-151278.	4.2	4
20	A 3-D Geometry-Based Stochastic Model for Unmanned Aerial Vehicle MIMO Ricean Fading Channels. IEEE Internet of Things Journal, 2020, 7, 8674-8687.	8.7	34
21	Trajectory-Aided Maximum-Likelihood Algorithm for Channel Parameter Estimation in Ultrawideband Large-Scale Arrays. IEEE Transactions on Antennas and Propagation, 2020, 68, 7131-7143.	5.1	16
22	FDD Channel Inference Methods With Experimental Performance Evaluation. IEEE Access, 2020, 8, 10491-10502.	4.2	2
23	Antenna Optimization for Decode-and-Forward Relay in Magnetic Induction Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 3449-3453.	6.3	4
24	A Novel Experiment-Free Site-Specific TDoA Localization Performance-Evaluation Approach. Sensors, 2020, 20, 1035.	3.8	6
25	Stochastic Cluster Models for 5G Channels Based on Passive Sounding in In-Service Networks. , 2020, , .		2
26	Deep-learning-based Bouncing-order Prediction for Propagation Channel Characterization Using Graph Modeling. , 2020, , .		2
27	Switching Time Optimization for Time-Division Multiplexing-based Wide-band Channel Sounding. , 2020, , .		0
28	Compressed-sensing-assisted Target Recognition based on Wide-band Propagation Characteristics for Millimeter-wave Frequencies. , 2020, , .		0
29	Measurement-Based Characterization of 39 GHz Millimeter-Wave Dual-Polarized Channel Under Foliage Loss Impact. IEEE Access, 2019, 7, 151558-151568.	4.2	8
30	Interference Modeling for Low-Height Air-to-Ground Channels in Live LTE Networks. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2011-2015.	4.0	17
31	Comparing Channel Emulation Algorithms by Using Plane Waves and Spherical Vector Waves in Multiprobe Anechoic Chamber Setups. IEEE Transactions on Antennas and Propagation, 2019, 67, 4091-4103.	5.1	11
32	Analyzing Radio Scattering Caused by Various Building Elements Using Millimeter-Wave Scale Model Measurements and Ray Tracing. IEEE Transactions on Antennas and Propagation, 2019, 67, 665-669.	5.1	20
33	Low Altitude Air-to-Ground Channel Modelling Based on Measurements in a Suburban Environment. , 2019, , .		4
34	Measurement-Based Massive MIMO Polarimetric Channel Characterization in Outdoor Environment. IEEE Access, 2019, 7, 171285-171296.	4.2	4
35	An Empirical Air-to-Ground Channel Model Based on Passive Measurements in LTE. IEEE Transactions on Vehicular Technology, 2019, 68, 1140-1154.	6.3	72
36	Fading Characterization of 73ÂGHz Millimeter-Wave V2V Channel Based on Real Measurements. Lecture Notes in Computer Science, 2018, , 159-168.	1.3	9

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37	Hough-Transform-Based Cluster Identification and Modeling for V2V Channels Based on Measurements. IEEE Transactions on Vehicular Technology, 2018, 67, 3838-3852.	6.3	40
38	Emulating UAV Air-to-Ground Radio Channel in Multi-Probe Anechoic Chamber. , 2018, , .		7
39	Wideband 39 GHz Millimeter-Wave Channel Measurements under Diversified Vegetation. , 2018, , .		8
40	Performance Study of Uplink and Downlink Splitting in Ultradense Highly Loaded Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	1.2	8
41	Measurement-based Massive-MIMO Channel Characterization for Outdoor LoS Scenarios. , 2018, , .		3
42	Measurement-Based Characterization of Train-to-Infrastructure 2.6 GHz Propagation Channel in a Modern Subway Station. IEEE Access, 2018, 6, 52814-52830.	4.2	9
43	Distance-Azimuth Joint CramÃ©r-Rao Lower Bound for Spherical-wavefront-based Scatterer Localization. , 2018, , .		0
44	Double-Directional Dual-Polarimetric Cluster-Based Characterization of 70â€“77 GHz Indoor Channels. IEEE Transactions on Antennas and Propagation, 2018, 66, 857-870.	5.1	32
45	Vehicle-to-Infrastructure Channel Characterization Based on LTE Measurements. , 2018, , .		0
46	Antenna De-Embedded Characterization for 13â€“17-GHz Wave Propagation in Indoor Environments. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 42-45.	4.0	10
47	Measurement-Based Massive MIMO Channel Modeling for Outdoor LoS and NLoS Environments. IEEE Access, 2017, 5, 2126-2140.	4.2	58
48	Measurement-Based Characterization of 15 GHz Propagation Channels in a Laboratory Environment. IEEE Access, 2017, 5, 1428-1438.	4.2	16
49	A 3D Geometry-Based Stochastic Channel Model for UAV-MIMO Channels. , 2017, , .		67
50	Spatiotemporal characterization of self-interference channels for 60-GHz full-duplex communication. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2220-2223.	4.0	27
51	Low altitude UAV propagation channel modelling. , 2017, , .		60
52	Neural-Network-Assisted UE Localization Using Radio-Channel Fingerprints in LTE Networks. IEEE Access, 2017, 5, 12071-12087.	4.2	58
53	Scatterer Localization Using Large-Scale Antenna Arrays Based on a Spherical Wave-Front Parametric Model. IEEE Transactions on Wireless Communications, 2017, 16, 6543-6556.	9.2	38
54	Millimeter-Wave Channel Modeling Based on A Unified Propagation Graph Theory. IEEE Communications Letters, 2017, 21, 246-249.	4.1	25

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55	Second Order Statistics of Non-Isotropic UAV Ricean Fading Channels. , 2017, , .		22
56	Three Dimensional Modeling and Space-Time Correlation for UAV Channels. , 2017, , .		40
57	Air-to-Ground Big-Data-Assisted Channel Modeling Based on Passive Sounding in LTE Networks. , 2017, , .		21
58	Low Altitude UAV Air-to-Ground Channel Measurement and Modeling in Semiurban Environments. Wireless Communications and Mobile Computing, 2017, 2017, 1-11.	1.2	47
59	Wireless Communications in Transportation Systems. Wireless Communications and Mobile Computing, 2017, 2017, 1-2.	1.2	0
60	Wireless Communications in Smart Rail Transportation Systems. Wireless Communications and Mobile Computing, 2017, 2017, 1-10.	1.2	8
61	Performance Evaluation of a Hybrid-Beamforming Sounder for 26 GHz Channel Measurements. , 2017, , .		3
62	Experimental Characterization and Multipath Cluster Modeling for 13â€“17 GHz Indoor Propagation Channels. IEEE Transactions on Antennas and Propagation, 2017, 65, 6549-6561.	5.1	14
63	A Novel Simulator of Nonstationary Random MIMO Channels in Rayleigh Fading Scenarios. International Journal of Antennas and Propagation, 2016, 2016, 1-9.	1.2	8
64	An Empirical Random-Cluster Model for Subway Channels Based on Passive Measurements in UMTS. IEEE Transactions on Communications, 2016, 64, 3563-3575.	7.8	36
65	Tunnel and Non-Tunnel Channel Characterization for High-Speed-Train Scenarios in LTE-A Networks. , 2016, , .		4
66	A data lifeCycle model for smart cities. , 2016, , .		16
67	MIMO Channel Measurement and Characterization for 26GHz Wave in Outdoor Scenarios. , 2016, , .		2
68	A SAGE algorithm for channel estimation using signal eigenvectors for direction-scan sounding. , 2016, , .		0
69	A geometry-based path loss model for high-speed-train environments in LTE-A networks. , 2016, , .		7
70	Performance Comparison of SAGE and MUSIC for Channel Estimation in Direction-Scan Measurements. IEEE Access, 2016, 4, 1163-1174.	4.2	36
71	Semi-Deterministic Radio Channel Modeling Based on Graph Theory and Ray-Tracing. IEEE Transactions on Antennas and Propagation, 2016, 64, 2475-2486.	5.1	56
72	A Spherical-Wavefront-Based Scatterer Localization Algorithm Using Large-Scale Antenna Arrays. IEEE Communications Letters, 2016, 20, 1796-1799.	4.1	15

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73	Measurement-based massive MIMO channel modeling in 13â€“17 GHz for indoor hall scenarios. , 2016, , .		22
74	Comparison of characteristics of 13â€“17 GHz propagation channels in indoor environments with different measurement configurations. , 2016, , .		0
75	Direction-of-arrival estimation using single antenna in high-speed-train environments. , 2016, , .		0
76	Modeling City-Canyon Pedestrian Radio Channels Based on Passive Sounding in In-Service Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 7931-7943.	6.3	7
77	Empirical Stochastic Modeling of Multipath Polarizations in Indoor Propagation Scenarios. IEEE Transactions on Antennas and Propagation, 2015, 63, 5799-5811.	5.1	10
78	Experimental Multipath-Cluster Characteristics of 28-GHz Propagation Channel. IEEE Access, 2015, 3, 3138-3150.	4.2	73
79	Synthesis techniques of narrow beam-width directional antenna measurements for millimeter-wave channel characterization. , 2015, , .		7
80	Empirical Geometry-Based Random-Cluster Model for High-Speed-Train Channels in UMTS Networks. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2850-2861.	8.0	54
81	Deviceâ€toâ€device channel measurements and models: a survey. IET Communications, 2015, 9, 312-325.	2.2	46
82	Advances in Massive MIMO Antenna Design, Channel Modeling, and System Technologies. International Journal of Antennas and Propagation, 2014, 2014, 1-1.	1.2	14
83	Measurement-Based LoS/NLoS Channel Modeling for Hot-Spot Urban Scenarios in UMTS Networks. International Journal of Antennas and Propagation, 2014, 2014, 1-12.	1.2	5
84	Ray-Tracing-Based mm-Wave Beamforming Assessment. IEEE Access, 2014, 2, 1314-1325.	4.2	135
85	Measurement-based angular characterization for 72 GHz propagation channels in indoor environments. , 2014, , .		20
86	Semi-deterministic modeling of diffuse scattering component based on propagation graph theory. , 2014, , .		18
87	A sliding-correlator-based SAGE algorithm for Mm-wave wideband channel parameter estimation. , 2014, , .		7
88	Attitude estimation for base station antennas based on downlink channel statistics. , 2014, , .		0
89	Optimal power allocation and relay selection in spectrum sharing cooperative networks. , 2014, , .		1
90	Joint likelihood aggregation of multiple cluster validity indices for stochastic channel modeling. , 2014, , .		2

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91	Performance evaluation of interference cancellation using a generalized-array-manifold model. , 2014, , .		1
92	Spatial cross-correlation modeling for propagation channels in indoor distributed antenna systems. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	11
93	A General Framework for BER Analysis of OFDMA and Zero-Forcing Interleaved SC-FDMA over Nakagami-m Fading Channels with Arbitrary m. IEEE Wireless Communications Letters, 2013, 2, 395-398.	5.0	5
94	Capacity comparison between dual-polarized antenna systems and omnidirectional antenna systems in 3-D propagation environments. , 2013, , .		1
95	Extension of ITU IMT-Advanced Channel Models for Elevation Domains and Line-of-Sight Scenarios. , 2013, , .		19
96	A preliminary study on anisotropic characteristics of propagation channels for Tx-Rx polarizations. , 2013, , .		2
97	Channel maps and stochastic models in elevation based on measurements in operating networks. , 2013, , .		3
98	Personal authentication using the fingerprints of intra-body radio propagation channels. , 2013, , .		0
99	System-Level Channel Modeling Based on Active Measurements from a Public 3G/UMTS Network. , 2013, , .		3
100	Channel modeling based on random propagation graphs for high speed railway scenarios. , 2012, , .		36
101	Investigation of multi-link spatial correlation properties for cooperative MIMO channels. , 2012, , .		0
102	Empirical modeling of cross-correlation for spatial-polarimetric channels in indoor scenarios. , 2012, , .		5
103	Parametric Modeling of the Cross-Correlation for Large-Scale-Fading of Propagation Channels. , 2012, , .		2
104	Theoretical analysis and measurements: Doppler spectra of vehicular communication channels. , 2012, , .		2
105	A parameter estimation algorithm for propagation channels based on two-layer evidence framework. , 2012, , .		1
106	Dynamic range selection for antenna-array gains in high-resolution channel parameter estimation. , 2012, , .		5
107	Multi-Path Grouping Using a Novel Clustering Algorithm for Stochastic Channel Modeling. , 2010, , .		0
108	Experimental spatial correlation characteristics of propagation channels in indoor environments. , 2010, , .		5

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109	Automatic data segmentation based on statistical hypothesis testing for stochastic channel modeling. , 2010, , .		3
110	A generic wideband channel model for keyhole propagation scenarios and experimental evaluation. , 2009, , .		5
111	A Single-Stage Target Tracking Algorithm for Multistatic DVB-T Passive Radar Systems. , 2009, , .		4
112	A Novel Environment Characterization Metric for Clustered MIMO Channels. Wireless Personal Communications, 2008, 46, 83-98.	2.7	5
113	Optimization of Spatiotemporal Apertures in Channel Sounding. IEEE Transactions on Signal Processing, 2008, 56, 4810-4824.	5.3	10
114	Tracking of Time-Variant Radio Propagation Paths Using Particle Filtering. , 2008, , .		26
115	A SAGE Algorithm for Estimation of the Direction Power Spectrum of Individual Path Components. , 2007, , .		10
116	Propagation Characteristics of Wideband MIMO Channel in Hotspot Areas at 5.25 GHZ. , 2007, , .		13
117	Cluster Characteristics in a MIMO Indoor Propagation Environment. IEEE Transactions on Wireless Communications, 2007, 6, 1465-1475.	9.2	120
118	Cluster Angular Spreads in a MIMO Indoor Propagation Environment. , 0, , .		26