

Cheng-Xiang Wang

List of Publications by Year in descending order

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354
papers

16,692
citations

21215

62
h-index

31191

106
g-index

358
all docs

358
docs citations

358
times ranked

10937
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Dynamic Traffic on Vehicle-to-Vehicle Visible Light Communication Systems. IEEE Systems Journal, 2022, 16, 3512-3521.	2.9	7
2	HF Skywave Massive MIMO Communication. IEEE Transactions on Wireless Communications, 2022, 21, 2769-2785.	6.1	14
3	A 3D Non-Stationary Wideband Massive MIMO Channel Model Based on Ray-Level Evolution. IEEE Transactions on Communications, 2022, 70, 621-634.	4.9	13
4	A Novel 3D Non-Stationary Maritime Wireless Channel Model. IEEE Transactions on Communications, 2022, 70, 2102-2116.	4.9	11
5	Effects of Fuselage Scattering and Posture on UAV Channel. Lecture Notes in Electrical Engineering, 2022, , 1192-1200.	0.3	0
6	Novel Multiple RIS-Assisted Communications for 6G Networks. IEEE Communications Letters, 2022, 26, 1413-1417.	2.5	12
7	Improvement of the Cluster-Level Spatial Consistency of Channel Simulator With Reference Points Transition Method. IEEE Transactions on Vehicular Technology, 2022, 71, 5867-5879.	3.9	0
8	Artificial Intelligence Enabled Radio Propagation for Communicationsâ€”Part I: Channel Characterization and Antenna-Channel Optimization. IEEE Transactions on Antennas and Propagation, 2022, 70, 3939-3954.	3.1	36
9	Artificial Intelligence Enabled Radio Propagation for Communicationsâ€”Part II: Scenario Identification and Channel Modeling. IEEE Transactions on Antennas and Propagation, 2022, 70, 3955-3969.	3.1	58
10	A Novel 3D Non-Stationary Channel Model for 6G Indoor Visible Light Communication Systems. IEEE Transactions on Wireless Communications, 2022, 21, 8292-8307.	6.1	19
11	Multiple Angles of Arrival Estimation Using Broadband Signals and a Nonuniform Planar Array. IEEE Transactions on Communications, 2022, 70, 4093-4106.	4.9	3
12	A Novel 3D Wideband Time-Varying Channel Model for Orbital Angular Momentum Communication Systems. , 2022, , .		1
13	Pervasive Wireless Channel Modeling Theory and Applications to 6G GBsMs for All Frequency Bands and All Scenarios. IEEE Transactions on Vehicular Technology, 2022, 71, 9159-9173.	3.9	62
14	Reconfigurable Intelligent Surfaces: Channel Characterization and Modeling. Proceedings of the IEEE, 2022, 110, 1290-1311.	16.4	32
15	Towards 6G wireless communication networks: vision, enabling technologies, and new paradigm shifts. Science China Information Sciences, 2021, 64, 1.	2.7	858
16	Channel Measurements and Modeling for 400â€”600-MHz Bands in Urban and Suburban Scenarios. IEEE Internet of Things Journal, 2021, 8, 5531-5543.	5.5	11
17	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.	5.5	67
18	Cell-Free Satellite-UAV Networks for 6G Wide-Area Internet of Things. IEEE Journal on Selected Areas in Communications, 2021, 39, 1116-1131.	9.7	108

#	ARTICLE	IF	CITATIONS
19	A General 3D Non-Stationary Massive MIMO GBSM for 6G Communication Systems. , 2021, , .		7
20	A 3D Non-stationary MmWave Channel Model for Vacuum Tube Ultra-High-Speed Train Channels. , 2021, , .		5
21	Performance analysis and power allocation of mixed-ADC multi-cell millimeter-wave massive MIMO systems with antenna selection. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2021, 22, 571-585.	1.5	3
22	A 2D Non-Stationary Channel Model for Underwater Acoustic Communication Systems. , 2021, , .		13
23	A General 3D Non-Stationary Wireless Channel Model for 5G and Beyond. <i>IEEE Transactions on Wireless Communications</i> , 2021, 20, 3211-3224.	6.1	97
24	Broadband Extended Array Response-Based Subspace Multiparameter Estimation Method for Multipolarized Wireless Channel Measurements. <i>IEEE Transactions on Communications</i> , 2021, 69, 3298-3312.	4.9	4
25	Hybrid Satellite-Terrestrial Communication Networks for the Maritime Internet of Things: Key Technologies, Opportunities, and Challenges. <i>IEEE Internet of Things Journal</i> , 2021, 8, 8910-8934.	5.5	142
26	A 3D Non-Stationary Channel Model for 6G Wireless Systems Employing Intelligent Reflecting Surfaces With Practical Phase Shifts. <i>IEEE Transactions on Cognitive Communications and Networking</i> , 2021, 7, 496-510.	4.9	33
27	A General 3D Space-Time-Frequency Non-Stationary THz Channel Model for 6G Ultra-Massive MIMO Wireless Communication Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2021, 39, 1576-1589.	9.7	49
28	A Novel B5G Frequency Nonstationary Wireless Channel Model. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 4846-4860.	3.1	10
29	5G Embraces Satellites for 6G Ubiquitous IoT: Basic Models for Integrated Satellite Terrestrial Networks. <i>IEEE Internet of Things Journal</i> , 2021, 8, 14399-14417.	5.5	116
30	A Novel Non-Stationary 6G UAV Channel Model for Maritime Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2021, 39, 2992-3005.	9.7	45
31	3D Non-Stationary Wideband UAV-to-Ground MIMO Channel Models Based on Aeronautic Random Mobility Model. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 11154-11168.	3.9	29
32	A Novel 3D Non-Stationary GBSM for 6G THz Ultra-Massive MIMO Wireless Systems. <i>IEEE Transactions on Vehicular Technology</i> , 2021, 70, 12312-12324.	3.9	26
33	Key Technologies in 6G Terahertz Wireless Communication Systems: A Survey. <i>IEEE Vehicular Technology Magazine</i> , 2021, 16, 27-37.	2.8	31
34	A Non-Stationary GBSM for 6G LEO Satellite Communication Systems. , 2021, , .		7
35	Tensor-Based Channel Estimation for 3D mmWave Massive MIMO Systems. , 2021, , .		0
36	A 3D Non-Stationary GBSM for Mobile-to-Mobile Underwater Acoustic Communication Channels. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	Comparison and Modeling of Multi-Frequency Wideband Channels at Sub-6 GHz Bands. , 2021, , .		1
38	A Novel Circuit-based MIMO Channel Model Considering Antenna Size and Mutual Coupling. , 2021, , .		3
39	A 3D Non-Stationary GBSM for Underwater Acoustic MIMO Communication Systems. , 2021, , .		0
40	A 3D Non-Stationary Geometry-Based Stochastic Model for Industrial Automation Wireless Communication Systems. , 2021, , .		5
41	Multi-Frequency Wireless Channel Measurements and Characteristics Analysis in Indoor Corridor Scenarios. , 2021, , .		6
42	Multi-User UAV Channel Modeling With Massive MIMO Configuration. , 2021, , .		3
43	Dynamic Spectrum Aggregation and Access Scheme Based on Multi-Agent Actor-Critic Reinforcement Learning. , 2021, , .		4
44	A 3D Non-Stationary Geometry-Based Stochastic Model for 6G UAV Air-to-Air Channels. , 2021, , .		5
45	Characteristics Analysis of Sub-6 GHz and mmWave Propagation Channels in Residential Area for Smart Meter Communications. , 2021, , .		1
46	A 3D Wideband Non-Stationary GBSM for RIS-Assisted Communications in Outdoor Scenarios. , 2021, , .		1
47	Massive MIMO Communication Over HF Skywave Channels. , 2021, , .		1
48	Ray Tracing Based Sub-6 GHz Wireless Channel Characteristics Analysis in Underground Garage Environments. , 2021, , .		0
49	Characteristics Analysis on NB-IoT Channels in Rural Scenario for Smart Grid Communications. , 2021, , .		2
50	A Big Data Enabled Channel Model for 5G Wireless Communication Systems. IEEE Transactions on Big Data, 2020, 6, 211-222.	4.4	73
51	3D Non-Stationary Wideband Tunnel Channel Models for 5G High-Speed Train Wireless Communications. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 259-272.	4.7	36
52	Optimal Beamforming for Hybrid Satellite Terrestrial Networks With Nonlinear PA and Imperfect CSIT. IEEE Wireless Communications Letters, 2020, 9, 276-280.	3.2	15
53	Effects of Digital Map on the RT-based Channel Model for UAV mmWave Communications. , 2020, , .		16
54	A Novel 3D UAV Channel Model for A2G Communication Environments Using AoD and AoA Estimation Algorithms. IEEE Transactions on Communications, 2020, 68, 7232-7246.	4.9	50

#	ARTICLE	IF	CITATIONS
55	Modeling and Simulation for UAV Air-to-Ground mmWave Channels. , 2020, , .		19
56	A Novel Massive MIMO Beam Domain Channel Model. , 2020, , .		3
57	In-building coverage of millimeter-wave wireless networks from channel measurement and modeling perspectives. Science China Information Sciences, 2020, 63, 1.	2.7	8
58	A Practical Non-Stationary Channel Model for Vehicle-to-Vehicle MIMO Communications. , 2020, , .		0
59	IEEE TCCN Special Section Editorial: Intelligent Resource Management for 5G and Beyond. IEEE Transactions on Cognitive Communications and Networking, 2020, 6, 422-427.	4.9	0
60	Tensor-computing-based Spectrum Usage Framework for 6G. , 2020, , .		2
61	End-to-End Energy Efficiency Evaluation for B5G Ultra Dense Networks. , 2020, , .		3
62	A Novel 3D Space-Time-Frequency Non-Stationary Channel Model for 6G THz Indoor Communication Systems. , 2020, , .		10
63	Genetic Algorithm Optimized Support Vector Machine in NOMA-based Satellite Networks with Imperfect CSI. , 2020, , .		3
64	Channel Characteristics Analysis of 60 GHz Wireless Communications in Staircase Environments. , 2020, , .		3
65	Map-Based UAV mmWave Channel Model and Characteristics Analysis. , 2020, , .		6
66	Enabling 5G on the Ocean: A Hybrid Satellite-UAV-Terrestrial Network Solution. IEEE Wireless Communications, 2020, 27, 116-121.	6.6	94
67	A Non-Stationary VVLC MIMO Channel Model for Street Corner Scenarios. , 2020, , .		4
68	A 3D Non-Stationary GBSM for Vehicular Visible Light Communication MISO Channels. IEEE Access, 2020, 8, 140333-140347.	2.6	20
69	6G Wireless Channel Measurements and Models: Trends and Challenges. IEEE Vehicular Technology Magazine, 2020, 15, 22-32.	2.8	265
70	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.	9.7	83
71	Special Issue on Wireless Big Data. IEEE Transactions on Big Data, 2020, 6, 209-210.	4.4	1
72	A 3-D Geometry-Based Stochastic Model for Unmanned Aerial Vehicle MIMO Ricean Fading Channels. IEEE Internet of Things Journal, 2020, 7, 8674-8687.	5.5	34

#	ARTICLE	IF	CITATIONS
73	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.	4.9	51
74	Artificial Intelligence Enabled Wireless Networking for 5G and Beyond: Recent Advances and Future Challenges. IEEE Wireless Communications, 2020, 27, 16-23.	6.6	143
75	Multi-Feature Fusion Based Recognition and Relevance Analysis of Propagation Scenes for High-Speed Railway Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 8107-8118.	3.9	23
76	BER Performance of Spatial Modulation Systems Under a Non-Stationary Massive MIMO Channel Model. IEEE Access, 2020, 8, 44547-44558.	2.6	7
77	Maritime Coverage Enhancement Using UAVs Coordinated With Hybrid Satellite-Terrestrial Networks. IEEE Transactions on Communications, 2020, 68, 2355-2369.	4.9	100
78	Millimeter Wave Channel Modeling. , 2020, , 823-827.		0
79	Comparison of OFDM and SC-FDE for VLC Systems with a Nonlinear LED Model. , 2020, , .		0
80	A Study of 2D Non-Stationary Massive MIMO Channels by Transformation of Delay and Angular Power Spectral Densities. IEEE Transactions on Vehicular Technology, 2020, 69, 14212-14224.	3.9	8
81	A General 3D Geometry-Based Stochastic Model for Industrial IoT Environments. , 2020, , .		2
82	A Novel Channel Estimation Scheme for Frequency-Selective mmWave Massive MIMO Systems. , 2020, , .		3
83	A Stochastic Coupling-Based Channel Impulse Response Matrix Model for Massive MIMO Channels. , 2020, , .		0
84	A 3D Non-Stationary Channel Model for 6G Wireless Systems Employing Intelligent Reflecting Surface. , 2020, , .		9
85	A Novel 3D Non-Stationary Multi-Frequency Multi-Link Wideband MIMO Channel Model. , 2020, , .		2
86	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.	3.9	87
87	UAV-Enabled Accompanying Coverage for Hybrid Satellite-Uav-Terrestrial Maritime Communications. , 2019, , .		14
88	Standard Condition Number of Hessian Matrix for Neural Networks. , 2019, , .		3
89	A 3D Non-Stationary Wideband GBSM for Low-Altitude UAV-to-Ground V2V MIMO Channels. IEEE Access, 2019, 7, 70719-70732.	2.6	54
90	Channel Modeling for Satellite Communication Channels at Q-Band in High Latitude. IEEE Access, 2019, 7, 137691-137703.	2.6	21

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91	Recent Developments and Future Challenges in Channel Measurements and Models for 5G and Beyond High-Speed Train Communication Systems. IEEE Communications Magazine, 2019, 57, 50-56.	4.9	40
92	Prediction of Channel Excess Attenuation for Satellite Communication Systems at κ -Band Using Artificial Neural Network. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2235-2239.	2.4	18
93	Energy Efficient Power Allocation for Delay Constrained Cognitive Satellite Terrestrial Networks Under Interference Constraints. IEEE Transactions on Wireless Communications, 2019, 18, 4957-4969.	6.1	60
94	Temporal Correlations for a Non-Stationary Vehicle-to-Vehicle Channel Model Allowing Velocity Variations. IEEE Communications Letters, 2019, 23, 1280-1284.	2.5	18
95	A 3D Wideband Non-Stationary Multi-Mobility Model for Vehicle-to-Vehicle MIMO Channels. IEEE Access, 2019, 7, 32562-32577.	2.6	33
96	Towards Energy-Efficient Underlaid Device-to-Device Communications: A Joint Resource Management Approach. IEEE Access, 2019, 7, 31385-31396.	2.6	20
97	Generative-Adversarial-Network-Based Wireless Channel Modeling: Challenges and Opportunities. IEEE Communications Magazine, 2019, 57, 22-27.	4.9	84
98	Power Allocation in Cognitive Satellite-Vehicular Networks From Energy-Spectral Efficiency Tradeoff Perspective. IEEE Transactions on Cognitive Communications and Networking, 2019, 5, 318-329.	4.9	29
99	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.	3.2	25
100	Cost Optimization for On-Demand Content Streaming in IoV Networks With Two Service Tiers. IEEE Internet of Things Journal, 2019, 6, 38-49.	5.5	12
101	Accuracy-Complexity Tradeoff Analysis and Complexity Reduction Methods for Non-Stationary IMT-A MIMO Channel Models. IEEE Access, 2019, 7, 178047-178062.	2.6	9
102	Physical-Layer Security of Visible Light Communications with Jamming. , 2019, , .		4
103	A 3D Wideband GBSM for THz Communications in Indoor Scenarios. , 2019, , .		3
104	Spectral-Energy Efficiency Tradeoff in Cognitive Satellite-Vehicular Networks Towards Beyond 5G. , 2019, , .		7
105	5G Millimeter Wave Channel Sounders, Measurements, and Models: Recent Developments and Future Challenges. IEEE Communications Magazine, 2019, 57, 138-145.	4.9	100
106	FEMOS: Fog-Enabled Multitier Operations Scheduling in Dynamic Wireless Networks. IEEE Internet of Things Journal, 2018, 5, 1169-1183.	5.5	61
107	Standard Condition Number Distributions of Finite Wishart Matrices for Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 4630-4634.	3.9	3
108	Energy efficient power allocation for underlaying mobile D2D communications with peak/average interference constraints. Science China Information Sciences, 2018, 61, 1.	2.7	6

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109	Secure NOMA Based Two-Way Relay Networks Using Artificial Noise and Full Duplex. IEEE Journal on Selected Areas in Communications, 2018, 36, 1426-1440.	9.7	106
110	Visible Light Communication System Evaluations With Integrated Hardware and Optical Parameters. IEEE Transactions on Communications, 2018, 66, 4059-4073.	4.9	3
111	Outage Performance of NOMA-Based Hybrid Satellite-Terrestrial Relay Networks. IEEE Wireless Communications Letters, 2018, 7, 538-541.	3.2	84
112	A General 3-D Non-Stationary 5G Wireless Channel Model. IEEE Transactions on Communications, 2018, 66, 3065-3078.	4.9	233
113	Energy Efficient Adaptive Transmissions in Integrated Satellite-Terrestrial Networks With SER Constraints. IEEE Transactions on Wireless Communications, 2018, 17, 210-222.	6.1	70
114	Quadrature Space-Frequency Index Modulation for Energy-Efficient 5G Wireless Communication Systems. IEEE Transactions on Communications, 2018, 66, 3050-3064.	4.9	19
115	Energy-Spectral Efficiency Trade-Off in Underlying Mobile D2D Communications: An Economic Efficiency Perspective. IEEE Transactions on Wireless Communications, 2018, 17, 4288-4301.	6.1	42
116	Power Domain Non-Orthogonal Transmission for Cellular Mobile Broadcasting: Basic Scheme, System Design, and Coverage Performance. IEEE Wireless Communications, 2018, 25, 90-99.	6.6	19
117	Capacity and Delay Tradeoff of Secondary Cellular Networks With Spectrum Aggregation. IEEE Transactions on Wireless Communications, 2018, 17, 3974-3987.	6.1	8
118	Novel 3-D Non-Stationary Wideband Models for Massive MIMO Channels. IEEE Transactions on Wireless Communications, 2018, 17, 2893-2905.	6.1	46
119	A WINNER+ Based 3-D Non-Stationary Wideband MIMO Channel Model. IEEE Transactions on Wireless Communications, 2018, 17, 1755-1767.	6.1	66
120	Software Simulation. Wireless Networks, 2018, , 157-233.	0.3	0
121	Candidate Technologies and Evaluation Challenges for 5G. Wireless Networks, 2018, , 1-19.	0.3	2
122	Evolution of Testing Technology. Wireless Networks, 2018, , 21-44.	0.3	1
123	A 3D Wideband Geometry-Based Stochastic Model for UAV Air-to-Ground Channels. , 2018, , .		13
124	Propagation Characteristics of Air-to-Air Channels in Urban Environments. , 2018, , .		15
125	Filtered-OFDM for Visible Light Communications. , 2018, , .		4
126	Parallel Channel Sounder for MIMO Channel Measurements. IEEE Wireless Communications, 2018, 25, 16-22.	6.6	11

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127	Analysis of Performances for Three Massive MIMO Channel Models. , 2018, , .		2
128	Artificial Intelligence to Manage Network Traffic of 5G Wireless Networks. IEEE Network, 2018, 32, 58-64.	4.9	96
129	Guest Editorial Airborne Communication Networks. IEEE Journal on Selected Areas in Communications, 2018, 36, 1903-1906.	9.7	6
130	A Novel 3D Non-Stationary Vehicle-to-Vehicle Channel Model and its Spatial-Temporal Correlation Properties. IEEE Access, 2018, 6, 43633-43643.	2.6	26
131	ReasoNet: Inferring Network Policies Using Ontologies. , 2018, , .		7
132	A 2-D Non-Stationary GBSM for Vehicular Visible Light Communication Channels. IEEE Transactions on Wireless Communications, 2018, 17, 7981-7992.	6.1	39
133	A general channel model for visible light communications in underground mines. China Communications, 2018, 15, 95-105.	2.0	38
134	Optical Wireless Communication Channel Measurements and Models. IEEE Communications Surveys and Tutorials, 2018, 20, 1939-1962.	24.8	189
135	A novel 3D GBSM for mmWave MIMO channels. Science China Information Sciences, 2018, 61, 1.	2.7	23
136	Wireless channel parameter estimation algorithms: Recent advances and future challenges. China Communications, 2018, 15, 211-228.	2.0	15
137	Enhanced 5G Cognitive Radio Networks Based on Spectrum Sharing and Spectrum Aggregation. IEEE Transactions on Communications, 2018, 66, 6304-6316.	4.9	87
138	A Survey of 5G Channel Measurements and Models. IEEE Communications Surveys and Tutorials, 2018, 20, 3142-3168.	24.8	376
139	Performance Analysis of NOMA-Based Land Mobile Satellite Networks. IEEE Access, 2018, 6, 31327-31339.	2.6	54
140	Performance Tradeoff in Relay Aided D2D-Cellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 10144-10149.	3.9	11
141	A Novel 3D Non-Stationary Wireless MIMO Channel Simulator and Hardware Emulator. IEEE Transactions on Communications, 2018, 66, 3865-3878.	4.9	92
142	A Novel Channel Model for Molecular Communications Based on Inter-cellular Calcium Wave. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 287-299.	0.2	1
143	Predicting Wireless MmWave Massive MIMO Channel Characteristics Using Machine Learning Algorithms. Wireless Communications and Mobile Computing, 2018, 2018, 1-12.	0.8	43
144	Performance evaluation for underlay cognitive satellite-terrestrial cooperative networks. Science China Information Sciences, 2018, 61, 1.	2.7	11

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145	Channel Measurement and Modeling. <i>Wireless Networks</i> , 2018, , 45-156.	0.3	1
146	Millimeter Wave Channel Modeling. , 2018, , 1-4.		0
147	A Novel Optical Index Modulation Aided DCO-OFDM Scheme for VLC Systems. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018, , 328-337.	0.2	0
148	60-GHz Millimeter-Wave Channel Measurements and Modeling for Indoor Office Environments. <i>IEEE Transactions on Antennas and Propagation</i> , 2017, 65, 1912-1924.	3.1	148
149	Channel measurements and models for high-speed train wireless communication systems in tunnel scenarios: a survey. <i>Science China Information Sciences</i> , 2017, 60, 1.	2.7	28
150	A 3D Geometry-Based Stochastic Channel Model for UAV-MIMO Channels. , 2017, , .		67
151	Outage Performance of Integrated Satellite-Terrestrial Networks With Hybrid CCI. <i>IEEE Communications Letters</i> , 2017, 21, 1545-1548.	2.5	22
152	Dimension Boundary Between Finite and Infinite Random Matrices in Cognitive Radio Networks. <i>IEEE Communications Letters</i> , 2017, 21, 1707-1710.	2.5	2
153	Multi-Frequency mmWave Massive MIMO Channel Measurements and Characterization for 5G Wireless Communication Systems. <i>IEEE Journal on Selected Areas in Communications</i> , 2017, 35, 1591-1605.	9.7	181
154	Beamspace SU-MIMO for Future Millimeter Wave Wireless Communications. <i>IEEE Journal on Selected Areas in Communications</i> , 2017, 35, 1564-1575.	9.7	62
155	Exploiting Traveling Information for Data Forwarding in Community-Characterized Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2017, 66, 6324-6335.	3.9	6
156	A dual-directional path-loss model in 5G wireless fractal small cell networks. , 2017, , .		5
157	Coexistence of delay-sensitive MTC/HTC traffic in large scale networks. <i>Science China Information Sciences</i> , 2017, 60, 1.	2.7	2
158	New constructions of resilient functions with strictly almost optimal nonlinearity via non-overlap spectra functions. <i>Information Sciences</i> , 2017, 415-416, 377-396.	4.0	12
159	A novel 3D frequency domain SAGE algorithm with applications to parameter estimation in mmWave massive MIMO indoor channels. <i>Science China Information Sciences</i> , 2017, 60, 1.	2.7	15
160	A 3-D Non-stationary wideband MIMO channel model allowing for velocity variations of the mobile station. , 2017, , .		14
161	Effective capacity analysis for underlay cognitive satellite-terrestrial networks. , 2017, , .		11
162	A new VLC channel model for underground mining environments. , 2017, , .		22

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163	Multi-frequency millimeter wave massive MIMO channel measurements and analysis. , 2017, , .		5
164	Optical spatial modulation with DHT-based OFDM in visible light communication systems. , 2017, , .		3
165	3D non-stationary wideband circular tunnel channel models for high-speed train wireless communication systems. Science China Information Sciences, 2017, 60, 1.	2.7	33
166	A Non-Stationary IMT-Advanced MIMO Channel Model for High-Mobility Wireless Communication Systems. IEEE Transactions on Wireless Communications, 2017, 16, 2057-2068.	6.1	98
167	Second Order Statistics of Non-Isotropic UAV Ricean Fading Channels. , 2017, , .		22
168	A 3-D Wideband Multi-Confocal Ellipsoid Model for Wireless Massive MIMO Communication Channels with Uniform Planar Antenna Array. , 2017, , .		11
169	Capacity Analysis of Orbital Angular Momentum Wireless Channels. IEEE Access, 2017, 5, 23069-23077.	2.6	54
170	Effects of antenna height and directivity on 60 GHz indoor channels. , 2017, , .		2
171	Energy efficiency of relay aided D2D communications underlying cellular networks. , 2017, , .		7
172	Ray Tracing Based 60 GHz Channel Clustering and Analysis in Staircase Environment. , 2017, , .		4
173	Comparison of Propagation Channel Characteristics for Multiple Millimeter Wave Bands. , 2017, , .		2
174	Comparison of stationarity regions for wireless channels from 2 GHz to 30 GHz. , 2017, , .		8
175	On the ergodic capacity of NOMA-based cognitive hybrid satellite terrestrial networks. , 2017, , .		23
176	Measurements and modeling of human blockage effects for multiple millimeter Wave bands. , 2017, , .		20
177	Impact of Different Parameters on Channel Characteristics in a High-Speed Train Ray Tracing Tunnel Channel Model. , 2017, , .		12
178	60 GHz channel measurements and ray tracing modeling in an indoor environment. , 2017, , .		20
179	Joint Transmit Power Allocation and Splitting for SWIPT Aided OFDM-IDMA in Wireless Sensor Networks. Sensors, 2017, 17, 1566.	2.1	10
180	Exact Distributions of Finite Random Matrices and Their Applications to Spectrum Sensing. Sensors, 2016, 16, 1183.	2.1	6

#	ARTICLE	IF	CITATIONS
181	Semigradient-Based Cooperative Caching Algorithm for Mobile Social Networks. , 2016, , .		10
182	Wireless Backhaul Capacity of 5G Ultra-Dense Cellular Networks. , 2016, , .		14
183	A novel 2D non-stationary wideband massive MIMO channel model. , 2016, , .		17
184	Generalized spatial modulation with transmit antenna grouping for correlated channels. , 2016, , .		14
185	Cost-Reliability Tradeoff in Licensed and Unlicensed Spectra Interoperable Networks with Guaranteed User Data Rate Requirements. IEEE Journal on Selected Areas in Communications, 2016, , 1-1.	9.7	4
186	5G Ultra-Dense Cellular Networks. IEEE Wireless Communications, 2016, 23, 72-79.	6.6	881
187	Energy Efficiency Optimization of 5G Radio Frequency Chain Systems. IEEE Journal on Selected Areas in Communications, 2016, 34, 758-771.	9.7	127
188	A 3-D wideband multi-confocal ellipsoid model for wireless MIMO communication channels. , 2016, , .		9
189	A geometry-based multiple bounce model for visible light communication channels. , 2016, , .		32
190	Characterization and Modeling of Visible Light Communication Channels. , 2016, , .		26
191	Statistical Properties of High-Speed Train Wireless Channels in Different Scenarios. , 2016, , .		2
192	Energy efficiency and area spectral efficiency tradeoff for coexisting wireless body sensor networks. Science China Information Sciences, 2016, 59, 1.	2.7	2
193	Pre-clinical investigations of multi-path propagation in transcranial Doppler ultrasound flow phantom. , 2016, 2016, 3586-3589.		0
194	Energy-spectral efficiency tradeoff of visible light communication systems. , 2016, , .		9
195	Performance comparison of massive MIMO channel models. , 2016, , .		4
196	Energy-spectral efficiency in simultaneous wireless information and power transfer. , 2016, , .		2
197	Wireless fractal cellular networks. IEEE Wireless Communications, 2016, 23, 110-119.	6.6	32
198	Performance Investigation of Spatial Modulation Systems Under Non-Stationary Wideband High-Speed Train Channel Models. IEEE Transactions on Wireless Communications, 2016, 15, 6163-6174.	6.1	17

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