

Andreas F Molisch

List of Publications by Year in descending order

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256
papers

18,144
citations

47409

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21843

118
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259
all docs

259
docs citations

259
times ranked

12376
citing authors

#	ARTICLE	IF	CITATIONS
1	5G: A Tutorial Overview of Standards, Trials, Challenges, Deployment, and Practice. IEEE Journal on Selected Areas in Communications, 2017, 35, 1201-1221.	9.7	1,536
2	FemtoCaching: Wireless Content Delivery Through Distributed Caching Helpers. IEEE Transactions on Information Theory, 2013, 59, 8402-8413.	1.5	1,133
3	Overview of Millimeter Wave Communications for Fifth-Generation (5G) Wireless Networks With a Focus on Propagation Models. IEEE Transactions on Antennas and Propagation, 2017, 65, 6213-6230.	3.1	1,025
4	High-capacity millimetre-wave communications with orbital angular momentum multiplexing. Nature Communications, 2014, 5, 4876.	5.8	972
5	Hybrid Beamforming for Massive MIMO: A Survey. , 2017, 55, 134-141.		746
6	Femtocaching and device-to-device collaboration: A new architecture for wireless video distribution. , 2013, 51, 142-149.		584
7	FemtoCaching: Wireless video content delivery through distributed caching helpers. , 2012, , .		548
8	6G Wireless Systems: Vision, Requirements, Challenges, Insights, and Opportunities. Proceedings of the IEEE, 2021, 109, 1166-1199.	16.4	538
9	Wireless Device-to-Device Caching Networks: Basic Principles and System Performance. IEEE Journal on Selected Areas in Communications, 2016, 34, 176-189.	9.7	489
10	Fundamental Limits of Caching in Wireless D2D Networks. IEEE Transactions on Information Theory, 2016, 62, 849-869.	1.5	486
11	Base-Station Assisted Device-to-Device Communications for High-Throughput Wireless Video Networks. IEEE Transactions on Wireless Communications, 2014, 13, 3665-3676.	6.1	376
12	A survey on vehicle-to-vehicle propagation channels. IEEE Wireless Communications, 2009, 16, 12-22.	6.6	370
13	Vehicular Channel Characterization and Its Implications for Wireless System Design and Performance. Proceedings of the IEEE, 2011, 99, 1189-1212.	16.4	355
14	Caching at the wireless edge: design aspects, challenges, and future directions. , 2016, 54, 22-28.		353
15	A geometry-based stochastic MIMO model for vehicle-to-vehicle communications. IEEE Transactions on Wireless Communications, 2009, 8, 3646-3657.	6.1	325
16	High-Accuracy Localization for Assisted Living: 5G systems will turn multipath channels from foe to friend. IEEE Signal Processing Magazine, 2016, 33, 59-70.	4.6	321
17	Joint Spatial Division and Multiplexing for mm-Wave Channels. IEEE Journal on Selected Areas in Communications, 2014, 32, 1239-1255.	9.7	278
18	Proposal on Millimeter-Wave Channel Modeling for 5G Cellular System. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 454-469.	7.3	274

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19	Accurate Passive Location Estimation Using TOA Measurements. IEEE Transactions on Wireless Communications, 2012, 11, 2182-2192.	6.1	260
20	Path Loss Modeling for Vehicle-to-Vehicle Communications. IEEE Transactions on Vehicular Technology, 2011, 60, 323-328.	3.9	226
21	5G Key Technologies for Smart Railways. Proceedings of the IEEE, 2020, 108, 856-893.	16.4	192
22	On Millimeter Wave and THz Mobile Radio Channel for Smart Rail Mobility. IEEE Transactions on Vehicular Technology, 2017, 66, 5658-5674.	3.9	190
23	Achievable Rates of FDD Massive MIMO Systems With Spatial Channel Correlation. IEEE Transactions on Wireless Communications, 2015, 14, 2868-2882.	6.1	188
24	Delay and Doppler Spreads of Nonstationary Vehicular Channels for Safety-Relevant Scenarios. IEEE Transactions on Vehicular Technology, 2014, 63, 82-93.	3.9	183
25	A Measurement-Based Statistical Model for Industrial Ultra-Wideband Channels. IEEE Transactions on Wireless Communications, 2007, 6, 3028-3037.	6.1	171
26	The COST259 Directional Channel Model-Part I: Overview and Methodology. IEEE Transactions on Wireless Communications, 2006, 5, 3421-3433.	6.1	167
27	The COST 259 Directional Channel Model-Part II: Macrocells. IEEE Transactions on Wireless Communications, 2006, 5, 3434-3450.	6.1	151
28	Scaling Behavior for Device-to-Device Communications With Distributed Caching. IEEE Transactions on Information Theory, 2014, 60, 4286-4298.	1.5	151
29	Microwave vs. Millimeter-Wave Propagation Channels: Key Differences and Impact on 5G Cellular Systems. IEEE Communications Magazine, 2018, 56, 14-20.	4.9	148
30	Quality-Aware Streaming and Scheduling for Device-to-Device Video Delivery. IEEE/ACM Transactions on Networking, 2016, 24, 2319-2331.	2.6	138
31	The Throughput-Outage Tradeoff of Wireless One-Hop Caching Networks. IEEE Transactions on Information Theory, 2015, 61, 6833-6859.	1.5	134
32	Recent advances in high-capacity free-space optical and radio-frequency communications using orbital angular momentum multiplexing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150439.	1.6	131
33	Line-of-Sight Millimeter-Wave Communications Using Orbital Angular Momentum Multiplexing Combined With Conventional Spatial Multiplexing. IEEE Transactions on Wireless Communications, 2017, 16, 3151-3161.	6.1	130
34	A Kernel-Power-Density-Based Algorithm for Channel Multipath Components Clustering. IEEE Transactions on Wireless Communications, 2017, 16, 7138-7151.	6.1	119
35	Channel Statistics-Based RF Pre-Processing with Antenna Selection. IEEE Transactions on Wireless Communications, 2006, 5, 3501-3511.	6.1	111
36	Short-Term Fading Behavior in High-Speed Railway Cutting Scenario: Measurements, Analysis, and Statistical Models. IEEE Transactions on Antennas and Propagation, 2013, 61, 2209-2222.	3.1	110

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37	Millimeter-Wave Channel Measurements and Analysis for Statistical Spatial Channel Model in In-Building and Urban Environments at 28 GHz. IEEE Transactions on Wireless Communications, 2017, 16, 5853-5868.	6.1	104
38	Approximation algorithms for the NFV service distribution problem. , 2017, , .		103
39	Fast millimeter-wave beam training with receive beamforming. Journal of Communications and Networks, 2014, 16, 512-522.	1.8	101
40	Wireless device-to-device communications with distributed caching. , 2012, , .		98
41	Geometry-based directional model for mobile radio channels?principles and implementation. European Transactions on Telecommunications, 2003, 14, 351-359.	1.2	91
42	Machine Learning-Enabled LOS/NLOS Identification for MIMO Systems in Dynamic Environments. IEEE Transactions on Wireless Communications, 2020, 19, 3643-3657.	6.1	85
43	Propagation Channel Models for Next-Generation Wireless Communications Systems. IEICE Transactions on Communications, 2014, E97.B, 2022-2034.	0.4	81
44	MmWave Vehicle-to-Infrastructure Communication: Analysis of Urban Microcellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 7086-7100.	3.9	77
45	Propagation Parameter Estimation, Modeling and Measurements for Ultrawideband MIMO Radar. IEEE Transactions on Antennas and Propagation, 2011, 59, 4257-4267.	3.1	73
46	The (in-) validity of the WSSUS assumption in vehicular radio channels. , 2012, , .		72
47	Fundamental limits of distributed caching in D2D wireless networks. , 2013, , .		70
48	Cache-Enabled Device-to-Device Communications: Offloading Gain and Energy Cost. IEEE Transactions on Wireless Communications, 2017, 16, 4519-4536.	6.1	70
49	Radio Channel Measurements at Street Intersections for Vehicle-to-Vehicle Safety Applications. , 2010, , .		69
50	Terahertz Wireless Channels: A Holistic Survey on Measurement, Modeling, and Analysis. IEEE Communications Surveys and Tutorials, 2022, 24, 1670-1707.	24.8	67
51	Multi-User Two-Way Relay Networks with Distributed Beamforming. IEEE Transactions on Wireless Communications, 2011, 10, 3460-3471.	6.1	66
52	Mode-Division-Multiplexing of Multiple Bessel-Gaussian Beams Carrying Orbital-Angular-Momentum for Obstruction-Tolerant Free-Space Optical and Millimetre-Wave Communication Links. Scientific Reports, 2016, 6, 22082.	1.6	63
53	Optimal throughput-outage trade-off in wireless one-hop caching networks. , 2013, , .		58
54	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

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55	On the Physical Interpretation of the Saleh-Valenzuela Model and the Definition of Its Power Delay Profiles. IEEE Transactions on Antennas and Propagation, 2014, 62, 4780-4793.	3.1	56
56	Base-station assisted device-to-device communications for high-throughput wireless video networks. , 2012, , .		55
57	Perspectives on advances in high-capacity, free-space communications using multiplexing of orbital-angular-momentum beams. APL Photonics, 2021, 6, .	3.0	53
58	Unified Spectral Efficiency Analysis of Cellular Systems with Channel-Aware Schedulers. IEEE Transactions on Communications, 2011, 59, 3463-3474.	4.9	52
59	Caching Eliminates the Wireless Bottleneck in Video Aware Wireless Networks. Advances in Electrical Engineering, 2014, 2014, 1-13.	1.1	52
60	Spatially Consistent Street-by-Street Path Loss Model for 28-GHz Channels in Micro Cell Urban Environments. IEEE Transactions on Wireless Communications, 2017, 16, 7538-7550.	6.1	51
61	Real-Time Millimeter-Wave MIMO Channel Sounder for Dynamic Directional Measurements. IEEE Transactions on Vehicular Technology, 2019, 68, 8775-8789.	3.9	51
62	Joint Scalable Coding and Routing for 60 GHz Real-Time Live HD Video Streaming Applications. IEEE Transactions on Broadcasting, 2013, 59, 500-512.	2.5	48
63	Wireless Multihop Device-to-Device Caching Networks. IEEE Transactions on Information Theory, 2017, 63, 1662-1676.	1.5	48
64	Double Directional Channel Measurements for THz Communications in an Urban Environment. , 2020, , .		46
65	Modeling the Ultra-Wideband Outdoor Channel: Model Specification and Validation. IEEE Transactions on Wireless Communications, 2010, 9, 1987-1997.	6.1	45
66	Efficient experimental evaluation of a MIMO handset with user influence. IEEE Transactions on Wireless Communications, 2010, 9, 853-863.	6.1	44
67	Channel Measurements and Path loss Modeling for Indoor THz Communication. , 2020, , .		44
68	Wireless Networked Multirobot Systems in Smart Factories. Proceedings of the IEEE, 2021, 109, 468-494.	16.4	44
69	3D MIMO Outdoor-to-Indoor Propagation Channel Measurement. IEEE Transactions on Wireless Communications, 2017, 16, 4600-4613.	6.1	42
70	Caching Policy and Cooperation Distance Design for Base Station-Assisted Wireless D2D Caching Networks: Throughput and Energy Efficiency Optimization and Tradeoff. IEEE Transactions on Wireless Communications, 2018, 17, 7500-7514.	6.1	41
71	Machine-Learning-Based Data Processing Techniques for Vehicle-to-Vehicle Channel Modeling. IEEE Communications Magazine, 2019, 57, 109-115.	4.9	39
72	In-Tunnel Vehicular Radio Channel Characterization. , 2011, , .		38

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73	Hybrid Beamforming With Selection for Multiuser Massive MIMO Systems. IEEE Transactions on Signal Processing, 2018, 66, 4105-4120.	3.2	38
74	Multipath Effects in Millimetre-Wave Wireless Communication using Orbital Angular Momentum Multiplexing. Scientific Reports, 2016, 6, 33482.	1.6	37
75	Trajectory-Joint Clustering Algorithm for Time-Varying Channel Modeling. IEEE Transactions on Vehicular Technology, 2020, 69, 1041-1045.	3.9	37
76	Directional Analysis of Vehicle-to-Vehicle Propagation Channels. , 2011, , .		36
77	Optimal Dynamic Cloud Network Control. IEEE/ACM Transactions on Networking, 2018, 26, 2118-2131.	2.6	36
78	Throughput-“Outage Analysis and Evaluation of Cache-Aided D2D Networks With Measured Popularity Distributions. IEEE Transactions on Wireless Communications, 2019, 18, 5316-5332.	6.1	36
79	Individual Preference Probability Modeling and Parameterization for Video Content in Wireless Caching Networks. IEEE/ACM Transactions on Networking, 2019, 27, 676-690.	2.6	36
80	Estimation of the K-Factor for Temporal Fading From Single-Snapshot Wideband Measurements. IEEE Transactions on Vehicular Technology, 2019, 68, 49-63.	3.9	36
81	Artificial Intelligence Enabled Radio Propagation for Communications“Part I: Channel Characterization and Antenna-Channel Optimization. IEEE Transactions on Antennas and Propagation, 2022, 70, 3939-3954.	3.1	36
82	A twin-cluster MIMO channel model. , 2006, , .		34
83	Wireless video content delivery through coded distributed caching. , 2012, , .		34
84	Optimizing Channel-Statistics-Based Analog Beamforming for Millimeter-Wave Multi-User Massive MIMO Downlink. IEEE Transactions on Wireless Communications, 2017, 16, 4288-4303.	6.1	34
85	Exploiting Wireless Channel State Information Structures Beyond Linear Correlations: A Deep Learning Approach. IEEE Communications Magazine, 2019, 57, 28-34.	4.9	34
86	Optimal Receive Antenna Selection in Time-Varying Fading Channels with Practical Training Constraints. IEEE Transactions on Communications, 2010, 58, 2023-2034.	4.9	33
87	Cooperative Transmission for Wireless Networks Using Mutual-Information Accumulation. IEEE Transactions on Information Theory, 2011, 57, 5151-5162.	1.5	33
88	Impact of UAV Wobbling on the Air-to-Ground Wireless Channel. IEEE Transactions on Vehicular Technology, 2020, 69, 14025-14030.	3.9	33
89	Wireless video content delivery through distributed caching and peer-to-peer gossiping. , 2011, , .		32
90	Hardware-impairment compensation for enabling distributed large-scale MIMO. , 2013, , .		32

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91	Millimeter-wave channels in urban environments. , 2016, , .		32
92	Outdoor Wideband Channel Measurements and Modeling in the 3â€“18 GHz Band. IEEE Transactions on Wireless Communications, 2018, 17, 4620-4633.	6.1	30
93	Outdoor to Indoor Propagation Channel Measurements at 28 GHz. IEEE Transactions on Wireless Communications, 2019, 18, 1477-1489.	6.1	30
94	UWB Sparse/Diffuse Channels, Part I: Channel Models and Bayesian Estimators. IEEE Transactions on Signal Processing, 2012, 60, 5307-5319.	3.2	29
95	32-Gbit/s 60-GHz millimeter-wave wireless communication using orbital angular momentum and polarization multiplexing. , 2016, , .		29
96	Hybrid beamforming design for millimeter-wave multi-user massive MIMO downlink. , 2016, , .		28
97	A Measurement-Based Model for Outdoor Near-Ground Ultrawideband Channels. IEEE Transactions on Antennas and Propagation, 2016, 64, 740-751.	3.1	28
98	Cluster Characterization of 3-D MIMO Propagation Channel in an Urban Macrocellular Environment. IEEE Transactions on Wireless Communications, 2018, 17, 5076-5091.	6.1	27
99	Directional Analysis of Measured 60 GHz Indoor Radio Channels Using SAGE. , 2011, , .		26
100	Blockage and Coverage Analysis with MmWave Cross Street BSs Near Urban Intersections. , 2017, , .		26
101	Statistical Modeling of Ultrawideband MIMO Propagation Channel in a Warehouse Environment. IEEE Transactions on Antennas and Propagation, 2016, 64, 4049-4063.	3.1	24
102	A Round Earth Loss Model and Small-Scale Channel Properties for Open-Sea Radio Propagation. IEEE Transactions on Vehicular Technology, 2019, 68, 8449-8460.	3.9	24
103	Geometry-Cluster-Based Stochastic MIMO Model for Vehicle-to-Vehicle Communications in Street Canyon Scenarios. IEEE Transactions on Wireless Communications, 2021, 20, 755-770.	6.1	24
104	Dynamic network service optimization in distributed cloud networks. , 2016, , .		23
105	Sparsity in the Delay-Doppler Domain for Measured 60 GHz Vehicle-to-Infrastructure Communication Channels. , 2019, , .		23
106	A Deterministic Round Earth Loss Model for Open-Sea Radio Propagation. , 2013, , .		22
107	Estimating Multiple Target Locations in Multi-Path Environments. IEEE Transactions on Wireless Communications, 2014, 13, 4547-4559.	6.1	22
108	Tracking and positioning using phase information from estimated multi-path components. , 2015, , .		22

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109	A real-time MIMO channel sounder for vehicle-to-vehicle propagation channel at 5.9 GHz. , 2017, , .		22
110	Standardization of Propagation Models for Terrestrial Cellular Systems: A Historical Perspective. International Journal of Wireless Information Networks, 2021, 28, 20-44.	1.8	22
111	On Expected Neighbor Discovery Time With Prior Information: Modeling, Bounds and Optimization. IEEE Transactions on Wireless Communications, 2018, 17, 339-351.	6.1	21
112	A Machine Learning Solution for Beam Tracking in mmWave Systems. , 2019, , .		21
113	Modal coupling and crosstalk due to turbulence and divergence on free space THz links using multiple orbital angular momentum beams. Scientific Reports, 2021, 11, 2110.	1.6	21
114	Demonstration of Tunable Steering and Multiplexing of Two 28â€™GHz Data Carrying Orbital Angular Momentum Beams Using Antenna Array. Scientific Reports, 2016, 6, 37078.	1.6	20
115	Path loss models with distanceâ€™dependent weighted fitting and estimation of censored path loss data. IET Microwaves, Antennas and Propagation, 2016, 10, 1467-1474.	0.7	20
116	Spatially consistent pathloss modeling for millimeter-wave channels in urban environments. , 2016, , .		20
117	High-Resolution Parameter Estimation for Time-Varying Double Directional V2V Channel. IEEE Transactions on Wireless Communications, 2017, 16, 7264-7275.	6.1	20
118	Enabling Gigabit services for IEEE 802.11ad-capable high-speed train networks. , 2013, , .		18
119	Experimental measurements of multipath-induced intra- and inter-channel crosstalk effects in a millimeter-wave communications link using orbital-angular-momentum multiplexing. , 2015, , .		18
120	A Measurement-Based Model of BMI Impact on UWB Multi-Antenna PAN and B2B Channels. IEEE Transactions on Communications, 2018, 66, 6494-6510.	4.9	18
121	Geometry-Based Stochastic Channel Model for High-Speed Railway Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 4353-4366.	3.9	18
122	Joint Distributed Link Scheduling and Power Allocation for Content Delivery in Wireless Caching Networks. IEEE Transactions on Wireless Communications, 2020, 19, 7810-7824.	6.1	18
123	Joint optimization of HD video coding rates and unicast flow control for IEEE 802.11ad relaying. , 2011, , .		17
124	Experimental demonstration of 16 Gbit/s millimeter-wave communications using MIMO processing of 2 OAM modes on each of two transmitter/receiver antenna apertures. , 2014, , .		17
125	Experimental demonstration of 16-Gbit/s millimeter-wave communications link using thin metamaterial plates to generate data-carrying orbital-angular-momentum beams. , 2015, , .		17
126	OFDM over mm-Wave OAM Channels in a Multipath Environment with Intersymbol Interference. , 2016, , .		17

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127	Individual Preference Aware Caching Policy Design for Energy-Efficient Wireless D2D Communications. , 2017, , .		17
128	Asymmetric Two-Way Relay with Doubly Nested Lattice Codes. IEEE Transactions on Wireless Communications, 2012, 11, 694-702.	6.1	16
129	Asymptotic Blind-Spot Analysis of Localization Networks Under Correlated Blocking Using a Poisson Line Process. IEEE Wireless Communications Letters, 2017, 6, 654-657.	3.2	16
130	Optimal Control of Wireless Computing Networks. IEEE Transactions on Wireless Communications, 2018, 17, 8283-8298.	6.1	16
131	Dynamic Caching Content Replacement in Base Station Assisted Wireless D2D Caching Networks. IEEE Access, 2020, 8, 33909-33925.	2.6	16
132	THz Band Channel Measurements and Statistical Modeling for Urban D2D Environments. IEEE Transactions on Wireless Communications, 2023, 22, 1466-1479.	6.1	16
133	Indirect Path Detection Based on Wireless Propagation Measurements. IEEE Transactions on Wireless Communications, 2012, 11, 4482-4493.	6.1	15
134	Individual Preference Probability Modeling for Video Content in Wireless Caching Networks. , 2017, , .		15
135	A Tractable Analysis of the Blind Spot Probability in Localization Networks Under Correlated Blocking. IEEE Transactions on Wireless Communications, 2018, 17, 8150-8164.	6.1	15
136	Impact of Body Mass Index on Ultrawideband MIMO BAN Channelsâ€”Measurements and Statistical Model. IEEE Transactions on Wireless Communications, 2018, 17, 6067-6081.	6.1	15
137	Individual Preference Aware Caching Policy Design in Wireless D2D Networks. IEEE Transactions on Wireless Communications, 2020, 19, 5589-5604.	6.1	15
138	On the Physical Limitations of the Interaction of a Spherical Aperture and a Random Field. IEEE Transactions on Antennas and Propagation, 2011, 59, 119-128.	3.1	14
139	UWB Sparse/Diffuse Channels, Part II: Estimator Analysis and Practical Channels. IEEE Transactions on Signal Processing, 2012, 60, 5320-5333.	3.2	14
140	Feasibility of Mobility for Millimeter-Wave Systems Based on Channel Measurements. IEEE Communications Magazine, 2018, 56, 56-63.	4.9	14
141	Characterizing the Impact of SNR Heterogeneity on Time-of-Arrival-Based Localization Outage Probability. IEEE Transactions on Wireless Communications, 2019, 18, 637-649.	6.1	14
142	Methodology for Benchmarking Radio-Frequency Channel Sounders Through a System Model. IEEE Transactions on Wireless Communications, 2020, 19, 6504-6519.	6.1	14
143	Probabilistic Caching and Dynamic Delivery Policies for Categorized Contents and Consecutive User Demands. IEEE Transactions on Wireless Communications, 2021, 20, 2685-2699.	6.1	14
144	Analysis of Urban Millimeter Wave Microcellular Networks. , 2016, , .		13

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145	On Channel Sounding With Switched Arrays in Fast Time-Varying Channels. IEEE Transactions on Wireless Communications, 2019, 18, 3843-3855.	6.1	13
146	Experimental Demonstration of Sub-THz Wireless Communications Using Multiplexing of Laguerre-Gaussian Beams When Varying two Different Modal Indices. Journal of Lightwave Technology, 2022, 40, 3285-3292.	2.7	13
147	Trapezoidal monopole antenna and array for UWB-MIMO applications. , 2012, , .		12
148	Optimal dynamic cloud network control. , 2016, , .		12
149	Dynamic Channel Model With Overhead Line Poles for High-Speed Railway Communications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 903-906.	2.4	12
150	28 GHz Foliage Propagation Channel Measurements. , 2018, , .		12
151	Periodic Analog Channel Estimation Aided Beamforming for Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1581-1594.	6.1	12
152	Performance Analysis of Channel Extrapolation in FDD Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 2728-2741.	6.1	12
153	Quality-Aware Deep Reinforcement Learning for Streaming in Infrastructure-Assisted Connected Vehicles. IEEE Transactions on Vehicular Technology, 2022, 71, 2002-2017.	3.9	12
154	Shadowing in urban environments with microcellular or peer-to-peer links. , 2012, , .		11
155	Demonstration of 8-mode 32-Gbit/s millimeter-wave free-space communication link using 4 orbital-angular-momentum modes on 2 polarizations. , 2014, , .		11
156	Passive location estimation using TOA measurements. , 2011, , .		10
157	Device-to-device communications for wireless video delivery. , 2012, , .		10
158	Vehicle-to-vehicle channel models with large vehicle obstructions. , 2014, , .		10
159	Diversity versus Training Overhead Trade-Off for Low Complexity Switched Transceivers. , 2016, , .		10
160	An Automatic Clustering Algorithm for Multipath Components Based on Kernel-Power-Density. , 2017, , .		10
161	Optimal Throughput-Outage Analysis of Cache-Aided Wireless Multi-Hop D2D Networks. IEEE Transactions on Communications, 2021, 69, 2489-2504.	4.9	10
162	A Survey of Dense Multipath and Its Impact on Wireless Systems. IEEE Open Journal of Antennas and Propagation, 2022, 3, 435-460.	2.5	10

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163	Cooperative downlink transmission mode selection under limited-capacity backhaul. , 2012, , .		9
164	Capacity Maximization with Polarization-Agile Antennas in the MIMO Communication System. , 2015, , .		9
165	Continuous Analog Channel Estimation-Aided Beamforming for Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 5557-5570.	6.1	9
166	Proactive Edge Caching for Video on Demand With Quality Adaptation. IEEE Transactions on Wireless Communications, 2020, 19, 218-234.	6.1	9
167	Enabling Super-Resolution Parameter Estimation for mm-Wave Channel Sounding. IEEE Transactions on Wireless Communications, 2020, 19, 3077-3090.	6.1	9
168	Line-of-Sight Probability in Cluttered Urban Microcells: Analyses Using Poisson Point Process and Point Cloud. IEEE Transactions on Antennas and Propagation, 2022, 70, 2161-2173.	3.1	9
169	Directionally Resolved Measurement and Modeling of THz Band Propagation Channels. IEEE Open Journal of Antennas and Propagation, 2022, 3, 663-686.	2.5	9
170	Real-time ultrawideband MIMO channel sounding. , 2012, , .		8
171	Elevation Characteristics of Outdoor-to-Indoor Macrocellular Propagation Channels. , 2014, , .		8
172	Robust resource allocation in wireless localization networks. , 2014, , .		8
173	Band Assignment in Dual Band Systems: A Learning-Based Approach. , 2018, , .		8
174	Measurement Based Directional Modeling of Dynamic Human Body Shadowing at 28 GHz. , 2018, , .		8
175	Spatial Correlation Variability in Multiuser Systems. , 2018, , .		8
176	Channel Extrapolation for FDD Massive MIMO: Procedure and Experimental Results. , 2019, , .		8
177	Training and Voids in Receive Antenna Subset Selection in Time-Varying Channels. IEEE Transactions on Wireless Communications, 2011, 10, 1992-2003.	6.1	7
178	Censored Multipath Component Cross-Polarization Ratio Modeling. IEEE Wireless Communications Letters, 2016, , 1-1.	3.2	7
179	On the delivery of augmented information services over wireless computing networks. , 2017, , .		7
180	Vehicle-to-vehicle propagation channel for truck-to-truck and mixed passenger freight convoy. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
181	Rate and Outage Probability in Dual Band Systems With Prediction-Based Band Switching. IEEE Wireless Communications Letters, 2018, 7, 872-875.	3.2	7
182	Performance of Caching-Based D2D Video Distribution with Measured Popularity Distributions. , 2019, , .		7
183	Real-Time Deployment Aspects of C-Band and Millimeter-Wave 5G-NR Systems. , 2020, , .		7
184	Rethinking the Gain of Multicasting and Proactive Caching for VoD Service. IEEE Wireless Communications, 2020, 27, 133-139.	6.6	7
185	Energy Efficiency of Uplink Cell-Free Massive MIMO With Transmit Power Control in Measured Propagation Channel. IEEE Open Journal of Circuits and Systems, 2021, 2, 792-804.	1.4	7
186	Performance metrics and design parameters for an FSO communications link based on multiplexing of multiple orbital-angular-momentum beams. , 2014, , .		6
187	Diversity Backpressure Scheduling and Routing With Mutual Information Accumulation in Wireless Ad-Hoc Networks. IEEE Transactions on Information Theory, 2016, 62, 7299-7323.	1.5	6
188	A Sparsity-Based Clustering Framework for Radio Channel Impulse Responses. , 2016, , .		6
189	MIMO Systems With Restricted Pre/Post-Coding Capacity Analysis Based on Coupled Doubly Correlated Wishart Matrices. IEEE Transactions on Wireless Communications, 2016, 15, 8537-8550.	6.1	6
190	Joint Phase-Time Arrays: A Paradigm for Frequency-Dependent Analog Beamforming in 6G. IEEE Access, 2022, 10, 73364-73377.	2.6	6
191	An Accurate Model for Interference from Spatially Distributed Shadowed Users in CDMA Uplinks. , 2009, , .		5
192	Super-Resolution Blind Channel Modeling. , 2011, , .		5
193	Preprocessor design for hybrid preprocessing with selection in massive MISO systems. , 2017, , .		5
194	Reference Tone Aided Transmission for Massive MIMO: Analog Beamforming without CSI. , 2018, , .		5
195	Real-Time Ultra-Wideband Channel Sounder Design for 3â€“18 GHz. IEEE Transactions on Communications, 2019, 67, 2995-3008.	4.9	5
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