

# Andreas F Molisch

## List of Publications by Year in descending order

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256  
papers

18,144  
citations

47409

49  
h-index

21843

118  
g-index

259  
all docs

259  
docs citations

259  
times ranked

12376  
citing authors

#	ARTICLE	IF	CITATIONS
1	THz Band Channel Measurements and Statistical Modeling for Urban D2D Environments. IEEE Transactions on Wireless Communications, 2023, 22, 1466-1479.	6.1	16
2	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
3	Quality-Aware Deep Reinforcement Learning for Streaming in Infrastructure-Assisted Connected Vehicles. IEEE Transactions on Vehicular Technology, 2022, 71, 2002-2017.	3.9	12
4	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
5	Impact of Common Reflecting and Absorbing Building Materials on THz Multipath Channels. Radio Science, 2022, 57, .	0.8	4
6	Supervised ML Solution for Band Assignment in Dual-Band Systems With Omnidirectional and Directional Antennas. IEEE Transactions on Wireless Communications, 2022, 21, 7550-7565.	6.1	3
7	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
8	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
9	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
10	A Geometry-Based Stochastic Model for Truck Communication Channels in Freeway Scenarios. IEEE Transactions on Communications, 2022, 70, 5572-5586.	4.9	4
11	Directionally Resolved Measurement and Modeling of THz Band Propagation Channels. IEEE Open Journal of Antennas and Propagation, 2022, 3, 663-686.	2.5	9
12	Ultra-Reliable Distributed Cloud Network Control With End-to-End Latency Constraints. IEEE/ACM Transactions on Networking, 2022, 30, 2505-2520.	2.6	1
13	Terahertz Wireless Channels: A Holistic Survey on Measurement, Modeling, and Analysis. IEEE Communications Surveys and Tutorials, 2022, 24, 1670-1707.	24.8	67
14	SA-Loc: Scenario Adaptive Localization in Highly Dynamic Environment using Adversarial Regressive Domain Adaptation. , 2022, , .		1
15	Joint Phase-Time Arrays: A Paradigm for Frequency-Dependent Analog Beamforming in 6G. IEEE Access, 2022, 10, 73364-73377.	2.6	6
16	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
17	Wireless Networked Multirobot Systems in Smart Factories. Proceedings of the IEEE, 2021, 109, 468-494.	16.4	44
18	Standardization of Propagation Models for Terrestrial Cellular Systems: A Historical Perspective. International Journal of Wireless Information Networks, 2021, 28, 20-44.	1.8	22

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19	Experimental Investigation of Frequency Domain Channel Extrapolation in Massive MIMO Systems for Zero-Feedback FDD. IEEE Transactions on Wireless Communications, 2021, 20, 710-725.	6.1	3
20	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
21	Perspectives on advances in high-capacity, free-space communications using multiplexing of orbital-angular-momentum beams. APL Photonics, 2021, 6, .	3.0	53
22	Optimal Throughput-Outage Analysis of Cache-Aided Wireless Multi-Hop D2D Networks. IEEE Transactions on Communications, 2021, 69, 2489-2504.	4.9	10
23	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
24	Optimal Multicast Service Chain Control: Packet Processing, Routing, and Duplication. , 2021, , .		3
25	Air-to-Ground Directional Channel Sounder With Drone and 64-antenna Dual-polarized Cylindrical Array. , 2021, , .		3
26	Optimal Cloud Network Control with Strict Latency Constraints. , 2021, , .		3
27	Throughput-Outage Scaling Laws for Wireless Single-Hop D2D Caching Networks with Physical Models. , 2021, , .		1
28	6G Wireless Systems: Vision, Requirements, Challenges, Insights, and Opportunities. Proceedings of the IEEE, 2021, 109, 1166-1199.	16.4	538
29	Experimental Demonstration of Free-Space sub-THz Communications Link Using Multiplexing of Beams Having Two Different LG Modal Indices. , 2021, , .		1
30	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
31	Directional characteristics of THz outdoor channels - measurement and system performance implications. , 2021, , .		3
32	A Study of Clustering Algorithms for Time-Varying Multipath Components in Wireless Channels. , 2021, , .		1
33	Intelligent Surface Optimization in Terahertz under Two Manifestations of Molecular Re-radiation. , 2021, , .		0
34	Proactive Edge Caching for Video on Demand With Quality Adaptation. IEEE Transactions on Wireless Communications, 2020, 19, 218-234.	6.1	9
35	Noncoordinated Individual Preference Aware Caching Policy in Wireless D2D Networks. , 2020, , .		1
36	Impact of UAV Wobbling on the Air-to-Ground Wireless Channel. IEEE Transactions on Vehicular Technology, 2020, 69, 14025-14030.	3.9	33

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37	Methodology for Benchmarking Radio-Frequency Channel Sounders Through a System Model. IEEE Transactions on Wireless Communications, 2020, 19, 6504-6519.	6.1	14
38	Favorable Propagation with User Cluster Sharing. , 2020, , .		2
39	Channel Measurements and Path loss Modeling for Indoor THz Communication. , 2020, , .		44
40	Cache Allocations for Consecutive Requests of Categorized Contents: Service Providerâ€™s Perspective. , 2020, , .		2
41	Double Directional Channel Measurements for THz Communications in an Urban Environment. , 2020, , .		46
42	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
43	Real-Time Deployment Aspects of C-Band and Millimeter-Wave 5G-NR Systems. , 2020, , .		7
44	Rethinking the Gain of Multicasting and Proactive Caching for VoD Service. IEEE Wireless Communications, 2020, 27, 133-139.	6.6	7
45	5G Key Technologies for Smart Railways. Proceedings of the IEEE, 2020, 108, 856-893.	16.4	192
46	Dynamic Caching Content Replacement in Base Station Assisted Wireless D2D Caching Networks. IEEE Access, 2020, 8, 33909-33925.	2.6	16
47	Enabling Super-Resolution Parameter Estimation for mm-Wave Channel Sounding. IEEE Transactions on Wireless Communications, 2020, 19, 3077-3090.	6.1	9
48	Machine Learning-Enabled LOS/NLOS Identification for MIMO Systems in Dynamic Environments. IEEE Transactions on Wireless Communications, 2020, 19, 3643-3657.	6.1	85
49	Trajectory-Joint Clustering Algorithm for Time-Varying Channel Modeling. IEEE Transactions on Vehicular Technology, 2020, 69, 1041-1045.	3.9	37
50	Performance Analysis of Channel Extrapolation in FDD Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2020, 19, 2728-2741.	6.1	12
51	Individual Preference Aware Caching Policy Design in Wireless D2D Networks. IEEE Transactions on Wireless Communications, 2020, 19, 5589-5604.	6.1	15
52	Throughputâ€“Outage Analysis of Cache-Aided Wireless Multi-Hop D2D Networks. , 2020, , .		0
53	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
54	Design of Caching Content Replacement in Base Station Assisted Wireless D2D Caching Networks. , 2019, , .		4

#	ARTICLE	IF	CITATIONS
55	Sparsity in the Delay-Doppler Domain for Measured 60 GHz Vehicle-to-Infrastructure Communication Channels. , 2019, , .		23
56	Real-Time Millimeter-Wave MIMO Channel Sounder for Dynamic Directional Measurements. IEEE Transactions on Vehicular Technology, 2019, 68, 8775-8789.	3.9	51
57	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
58	Continuous Analog Channel Estimation-Aided Beamforming for Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 5557-5570.	6.1	9
59	Periodic Analog Channel Estimation Aided Beamforming for Massive MIMO Systems. IEEE Transactions on Wireless Communications, 2019, 18, 1581-1594.	6.1	12
60	On Channel Sounding With Switched Arrays in Fast Time-Varying Channels. IEEE Transactions on Wireless Communications, 2019, 18, 3843-3855.	6.1	13
61	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
62	Exploiting Wireless Channel State Information Structures Beyond Linear Correlations: A Deep Learning Approach. IEEE Communications Magazine, 2019, 57, 28-34.	4.9	34
63	Geometry-Based Stochastic Channel Model for High-Speed Railway Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 4353-4366.	3.9	18
64	Channel Extrapolation for FDD Massive MIMO: Procedure and Experimental Results. , 2019, , .		8
65	Dual Frequency Bands Shadowing Correlation Model in a Micro-Cellular Environment. , 2019, , .		3
66	Performance of Caching-Based D2D Video Distribution with Measured Popularity Distributions. , 2019, , .		7
67	Channel Correlation Diversity in MU-MIMO Systems “ Analysis and Measurements. , 2019, , .		4
68	A Machine Learning Solution for Beam Tracking in mmWave Systems. , 2019, , .		21
69	On the Multi-Activation Oriented Design of D2D-Aided Caching Networks. , 2019, , .		3
70	Machine-Learning-Based Data Processing Techniques for Vehicle-to-Vehicle Channel Modeling. IEEE Communications Magazine, 2019, 57, 109-115.	4.9	39
71	Research on Kernel Functions of SVM for Line-of-sight Identification in Vehicle-to-Vehicle MIMO System. , 2019, , .		4
72	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

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73	Outdoor to Indoor Propagation Channel Measurements at 28 GHz. IEEE Transactions on Wireless Communications, 2019, 18, 1477-1489.	6.1	30
74	Real-Time Ultra-Wideband Channel Sounder Design for 3â€“18 GHz. IEEE Transactions on Communications, 2019, 67, 2995-3008.	4.9	5
75	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
76	On Expected Neighbor Discovery Time With Prior Information: Modeling, Bounds and Optimization. IEEE Transactions on Wireless Communications, 2018, 17, 339-351.	6.1	21
77	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
78	User-Centric Virtual Sectorization for Millimeter-Wave Massive MIMO Downlink. IEEE Transactions on Wireless Communications, 2018, 17, 445-460.	6.1	2
79	Outdoor Wideband Channel Measurements and Modeling in the 3â€“18 GHz Band. IEEE Transactions on Wireless Communications, 2018, 17, 4620-4633.	6.1	30
80	MmWave Vehicle-to-Infrastructure Communication: Analysis of Urban Microcellular Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 7086-7100.	3.9	77
81	Band Assignment in Dual Band Systems: A Learning-Based Approach. , 2018, , .		8
82	Measurement Based Directional Modeling of Dynamic Human Body Shadowing at 28 GHz. , 2018, , .		8
83	Multi-Antenna FSR Receivers: Low Complexity, Non-Coherent, Massive Antenna Receivers. , 2018, , .		3
84	28 GHz Foliage Propagation Channel Measurements. , 2018, , .		12
85	Optimal Control of Wireless Computing Networks. IEEE Transactions on Wireless Communications, 2018, 17, 8283-8298.	6.1	16
86	Experimental Characterization of the Dependence of UWB Personal Area Networks Channels on Body Mass Index. , 2018, , .		2
87	MIMO Equalization to Mitigate Turbulence in a 2-Channel 40-Gbit/s QPSK Free-Space Optical 100-m Round-Trip Orbital-Angular-Momentum-Multiplexed Link Between a Ground Station and a Retro-Reflecting UAV. , 2018, , .		4
88	Microwave vs. Millimeter-Wave Propagation Channels: Key Differences and Impact on 5G Cellular Systems. IEEE Communications Magazine, 2018, 56, 14-20.	4.9	148
89	Optimal Dynamic Cloud Network Control. IEEE/ACM Transactions on Networking, 2018, 26, 2118-2131.	2.6	36
90	On the Caching Policy and Cooperation Distance Design in Base Station Assisted Wireless D2D Networks. , 2018, , .		1

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91	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
92	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
93	Reference Tone Aided Transmission for Massive MIMO: Analog Beamforming without CSI. , 2018, , .		5
94	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
95	Rate and Outage Probability in Dual Band Systems With Prediction-Based Band Switching. IEEE Wireless Communications Letters, 2018, 7, 872-875.	3.2	7
96	Feasibility of Mobility for Millimeter-Wave Systems Based on Channel Measurements. IEEE Communications Magazine, 2018, 56, 56-63.	4.9	14
97	Spatial Correlation Variability in Multiuser Systems. , 2018, , .		8
98	Experimental Investigation of the Impact of BMI on Ultrawideband MIMO Body-to-Body Networks. , 2018, , .		2
99	An Experimental Investigation of the Bayesian Passive Multi-Target Localization Algorithm. , 2018, , .		0
100	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
101	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
102	Antenna Switching Sequence Design for Channel Sounding in a Fast Time-Varying Channel. , 2018, , .		4
103	Hybrid Beamforming With Selection for Multiuser Massive MIMO Systems. IEEE Transactions on Signal Processing, 2018, 66, 4105-4120.	3.2	38
104	Wireless Multihop Device-to-Device Caching Networks. IEEE Transactions on Information Theory, 2017, 63, 1662-1676.	1.5	48
105	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
106	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
107	An Automatic Clustering Algorithm for Multipath Components Based on Kernel-Power-Density. , 2017, , .		10
108	Cache-Enabled Device-to-Device Communications: Offloading Gain and Energy Cost. IEEE Transactions on Wireless Communications, 2017, 16, 4519-4536.	6.1	70

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109	3D MIMO Outdoor-to-Indoor Propagation Channel Measurement. IEEE Transactions on Wireless Communications, 2017, 16, 4600-4613.	6.1	42
110	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
111	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
112	Hybrid Beamforming for Massive MIMO: A Survey. , 2017, 55, 134-141.		746
113	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
114	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
115	A real-time MIMO channel sounder for vehicle-to-vehicle propagation channel at 5.9 GHz. , 2017, , .		22
116	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
117	On Millimeter Wave and THz Mobile Radio Channel for Smart Rail Mobility. IEEE Transactions on Vehicular Technology, 2017, 66, 5658-5674.	3.9	190
118	Capacity Measurements for Body Mass Index Dependent Ultrawideband MIMO BAN Channels. , 2017, , .		4
119	High-Resolution Parameter Estimation for Time-Varying Double Directional V2V Channel. IEEE Transactions on Wireless Communications, 2017, 16, 7264-7275.	6.1	20
120	Blockage and Coverage Analysis with MmWave Cross Street BSs Near Urban Intersections. , 2017, , .		26
121	Approximation algorithms for the NFV service distribution problem. , 2017, , .		103
122	A Kernel-Power-Density-Based Algorithm for Channel Multipath Components Clustering. IEEE Transactions on Wireless Communications, 2017, 16, 7138-7151.	6.1	119
123	User-Centric Virtual Sectorization for Millimeter-Wave Massive MIMO Downlink. , 2017, , .		1
124	Base station assisted neighbor discovery in device to device systems. , 2017, , .		2
125	On the delivery of augmented information services over wireless computing networks. , 2017, , .		7
126	Preprocessor design for hybrid preprocessing with selection in massive MISO systems. , 2017, , .		5



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127	Channel-statistics-based analog downlink beamforming for millimeter-wave multi-user massive MIMO. , 2017, , .		0
128	Bit and Power Allocation in QAM Capable Multi-Differential Frequency-Shifted Reference UWB Radio. , 2017, , .		4
129	Body Mass Index Effect on Ultrawideband MIMO BAN Channel Characterization. , 2017, , .		1
130	Vehicle-to-vehicle propagation channel for truck-to-truck and mixed passenger freight convoy. , 2017, , .		7
131	Individual Preference Aware Caching Policy Design for Energy-Efficient Wireless D2D Communications. , 2017, , .		17
132	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
133	Real-time ultra-wideband frequency sweeping channel sounder for 3â€“18 GHz. , 2017, , .		4
134	Individual Preference Probability Modeling for Video Content in Wireless Caching Networks. , 2017, , .		15
135	Guest Editorial Deployment Issues and Performance Challenges for 5G, Part I. IEEE Journal on Selected Areas in Communications, 2017, 35, 1197-1200.	9.7	2
136	Analysis of Urban Millimeter Wave Microcellular Networks. , 2016, , .		13
137	Blind-spot analysis of localization networks using second-order blocking statistics. , 2016, , .		1
138	OFDM over mm-Wave OAM Channels in a Multipath Environment with Intersymbol Interference. , 2016, , .		17
139	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
140	JS-RAKE: Judiciously trained selective RAKE receiver for UWB systems. , 2016, , .		2
141	Censored Multipath Component Cross-Polarization Ratio Modeling. IEEE Wireless Communications Letters, 2016, , 1-1.	3.2	7
142	Multipath Effects in Millimetre-Wave Wireless Communication using Orbital Angular Momentum Multiplexing. Scientific Reports, 2016, 6, 33482.	1.6	37
143	Cross-tier interference mitigation in wideband HetNets with full duplex. , 2016, , .		0
144	A measurement-based blocking distribution for improving localization in warehouse environments. , 2016, , .		1

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145	Diversity versus Training Overhead Trade-Off for Low Complexity Switched Transceivers. , 2016, , .		10
146	Demonstration of Tunable Steering and Multiplexing of Two 28GHz Data Carrying Orbital Angular Momentum Beams Using Antenna Array. Scientific Reports, 2016, 6, 37078.	1.6	20
147	Hybrid beamforming design for millimeter-wave multi-user massive MIMO downlink. , 2016, , .		28
148	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
149	Dynamic network service optimization in distributed cloud networks. , 2016, , .		23
150	32-Gbit/s 60-GHz millimeter-wave wireless communication using orbital angular momentum and polarization multiplexing. , 2016, , .		29
151	Optimal dynamic cloud network control. , 2016, , .		12
152	On pathloss models for adjacent-channel interference in cognitive whitespace systems. , 2016, , .		3
153	Caching at the wireless edge: design aspects, challenges, and future directions. , 2016, 54, 22-28.		353
154	Statistical Modeling of Ultrawideband MIMO Propagation Channel in a Warehouse Environment. IEEE Transactions on Antennas and Propagation, 2016, 64, 4049-4063.	3.1	24
155	A Sparsity-Based Clustering Framework for Radio Channel Impulse Responses. , 2016, , .		6
156	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
157	Path loss models with distance-dependent weighted fitting and estimation of censored path loss data. IET Microwaves, Antennas and Propagation, 2016, 10, 1467-1474.	0.7	20
158	Millimeter-wave channels in urban environments. , 2016, , .		32
159	Spatially consistent pathloss modeling for millimeter-wave channels in urban environments. , 2016, , .		20
160	Fundamental Limits of Caching in Wireless D2D Networks. IEEE Transactions on Information Theory, 2016, 62, 849-869.	1.5	486
161	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
162	A Measurement-Based Model for Outdoor Near-Ground Ultrawideband Channels. IEEE Transactions on Antennas and Propagation, 2016, 64, 740-751.	3.1	28

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163	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
164	Capacity Analysis of Interlaced Clustering in a Distributed Transmission System With/Without CSIT. IEEE Transactions on Wireless Communications, 2016, 15, 2629-2641.	6.1	4
165	Quality-Aware Streaming and Scheduling for Device-to-Device Video Delivery. IEEE/ACM Transactions on Networking, 2016, 24, 2319-2331.	2.6	138
166	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
167	Capacity Maximization with Polarization-Agile Antennas in the MIMO Communication System. , 2015, , .		9
168	Capacity analysis of interlaced clustering in a distributed antenna system. , 2015, , .		3
169	Efficiency Improvement for Path Detection and Tracking Algorithm in a Time-Varying Channel. , 2015, , .		3
170	Experimental measurements of multipath-induced intra- and inter-channel crosstalk effects in a millimeter-wave communications link using orbital-angular-momentum multiplexing. , 2015, , .		18
171	Tracking and positioning using phase information from estimated multi-path components. , 2015, , .		22
172	Achievable Rates of FDD Massive MIMO Systems With Spatial Channel Correlation. IEEE Transactions on Wireless Communications, 2015, 14, 2868-2882.	6.1	188
173	The Throughput-Outage Tradeoff of Wireless One-Hop Caching Networks. IEEE Transactions on Information Theory, 2015, 61, 6833-6859.	1.5	134
174	Experimental demonstration of 16-Gbit/s millimeter-wave communications link using thin metamaterial plates to generate data-carrying orbital-angular-momentum beams. , 2015, , .		17
175	Caching Eliminates the Wireless Bottleneck in Video Aware Wireless Networks. Advances in Electrical Engineering, 2014, 2014, 1-13.	1.1	52
176	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
177	Performance metrics and design parameters for an FSO communications link based on multiplexing of multiple orbital-angular-momentum beams. , 2014, , .		6
178	Multicast routing with mutual information accumulation. , 2014, , .		0
179	Vehicle-to-vehicle channel models with large vehicle obstructions. , 2014, , .		10
180	Demonstration of 8-mode 32-Gbit/s millimeter-wave free-space communication link using 4 orbital-angular-momentum modes on 2 polarizations. , 2014, , .		11

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181	Fast millimeter-wave beam training with receive beamforming. Journal of Communications and Networks, 2014, 16, 512-522.	1.8	101
182	High-capacity millimetre-wave communications with orbital angular momentum multiplexing. Nature Communications, 2014, 5, 4876.	5.8	972
183	Delay and Doppler Spreads of Nonstationary Vehicular Channels for Safety-Relevant Scenarios. IEEE Transactions on Vehicular Technology, 2014, 63, 82-93.	3.9	183
184	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
185	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
186	Joint Spatial Division and Multiplexing for mm-Wave Channels. IEEE Journal on Selected Areas in Communications, 2014, 32, 1239-1255.	9.7	278
187	Estimating Multiple Target Locations in Multi-Path Environments. IEEE Transactions on Wireless Communications, 2014, 13, 4547-4559.	6.1	22
188	Scaling Behavior for Device-to-Device Communications With Distributed Caching. IEEE Transactions on Information Theory, 2014, 60, 4286-4298.	1.5	151
189	Propagation Channel Models for Next-Generation Wireless Communications Systems. IEICE Transactions on Communications, 2014, E97.B, 2022-2034.	0.4	81
190	Capacity Maximization with Polarization-Agile Antennas in the MIMO Communication System. , 2014, , .		0
191	Elevation Characteristics of Outdoor-to-Indoor Macrocellular Propagation Channels. , 2014, , .		8
192	Robust resource allocation in wireless localization networks. , 2014, , .		8
193	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
194	Fundamental limits of distributed caching in D2D wireless networks. , 2013, , .		70
195	Traffic-aware base station doze in cooperative multicell systems. , 2013, , .		1
196	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
197	Femtocaching and device-to-device collaboration: A new architecture for wireless video distribution. , 2013, 51, 142-149.		584
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