

# Fredrik Tufvesson

## List of Publications by Year in descending order

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Version: 2024-02-01

207  
papers

20,925  
citations

61984

43  
h-index

32842

100  
g-index

211  
all docs

211  
docs citations

211  
times ranked

10130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic mmWave Channel Emulation in a Cost-Effective MPAC With Dominant-Cluster Concept. IEEE Transactions on Antennas and Propagation, 2022, 70, 4691-4704.	5.1	4
2	Standardization of Propagation Models for Terrestrial Cellular Systems: A Historical Perspective. International Journal of Wireless Information Networks, 2021, 28, 20-44.	2.7	22
3	Radio propagation modeling methods and tools. , 2021, , 7-48.		8
4	Sensing and Classification Using Massive MIMO: A Tensor Decomposition-Based Approach. IEEE Wireless Communications Letters, 2021, 10, 2649-2653.	5.0	2
5	Experimental Exploration of Unlicensed Sub-GHz Massive MIMO for Massive Internet-of-Things. IEEE Open Journal of the Communications Society, 2021, 2, 2195-2204.	6.9	5
6	Moving Object Classification with a Sub-6 GHz Massive MIMO Array Using Real Data. , 2021, , .		1
7	6G Wireless Systems: Vision, Requirements, Challenges, Insights, and Opportunities. Proceedings of the IEEE, 2021, 109, 1166-1199.	21.3	538
8	Learning-Based UE Classification in Millimeter-Wave Cellular Systems with Mobility. , 2021, , .		0
9	mmWave Massive MIMO in Real Propagation Environment: Performance Evaluation Using LuMaMi28GHz. , 2021, , .		0
10	Implementation of spatially consistent channel models for real-time full stack C-ITS V2X simulations. , 2021, , .		2
11	Positioning and Sensing for Vehicular Safety Applications in 5G and Beyond. IEEE Communications Magazine, 2021, 59, 15-21.	6.1	34
12	Massive MIMO Extensions to the COST 2100 Channel Model: Modeling and Validation. IEEE Transactions on Wireless Communications, 2020, 19, 380-394.	9.2	57
13	Simulation of Multiple-Antenna Terminal Performance in Massive MIMO Systems Based on Indoor Measurements. IEEE Transactions on Vehicular Technology, 2020, 69, 418-427.	6.3	2
14	Virtual Drive Testing Over-the-Air for Vehicular Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 1203-1213.	6.3	11
15	Spherical Wave Array Based Positioning for Vehicular Scenarios. IEEE Access, 2020, 8, 110073-110081.	4.2	3
16	SLAM using LTE Multipath Component Delays. , 2020, , .		2
17	Amplitude and Phase Estimation for Absolute Calibration of Massive MIMO Front-Ends. , 2020, , .		0
18	Real-Time Deployment Aspects of C-Band and Millimeter-Wave 5G-NR Systems. , 2020, , .		7

#	ARTICLE	IF	CITATIONS
19	Impact of Spatially Consistent Channels on Digital Beamforming for Millimeter-Wave Systems : (Invited) Tj ETQq1 1 0.784314 rgBT /Ove		
20	Channel Hardening in Massive MIMO: Model Parameters and Experimental Assessment. IEEE Open Journal of the Communications Society, 2020, 1, 501-512.	6.9	29
21	Digital Predistortion for Multiuser Hybrid MIMO at mmWaves. IEEE Transactions on Signal Processing, 2020, 68, 3603-3618.	5.3	36
22	Demo: Millimeter-Wave Massive MIMO Testbed with Hybrid Beamforming. , 2020, , .		8
23	The COST IRACON Geometry-Based Stochastic Channel Model for Vehicle-to-Vehicle Communication in Intersections. IEEE Transactions on Vehicular Technology, 2020, 69, 2365-2375.	6.3	32
24	A Case Study on the Influence of Multiple Users on the Effective Channel in a Massive MIMO System. IEEE Wireless Communications Letters, 2020, 9, 389-393.	5.0	1
25	Real-Time Implementation Aspects of Large Intelligent Surfaces. , 2020, , .		5
26	Massive MIMO goes Sub-GHz: Implementation and Experimental Exploration for LPWANs. , 2020, , .		3
27	Detection and Tracking of Multipath Channel Parameters Using Belief Propagation. , 2020, , .		4
28	Millimeter-Wave Massive MIMO Testbed with Hybrid Beamforming. , 2020, , .		4
29	Massive MIMO-Based Localization and Mapping Exploiting Phase Information of Multipath Components. IEEE Transactions on Wireless Communications, 2019, 18, 4254-4267.	9.2	45
30	Polarimetric Wireless Indoor Channel Modeling Based on Propagation Graph. IEEE Transactions on Antennas and Propagation, 2019, 67, 6585-6595.	5.1	15
31	A Belief Propagation Algorithm for Multipath-Based SLAM. IEEE Transactions on Wireless Communications, 2019, 18, 5613-5629.	9.2	130
32	Massive MIMO Optimization With Compatible Sets. IEEE Transactions on Wireless Communications, 2019, 18, 2794-2812.	9.2	7
33	Geometry-Based Stochastic Channel Model for High-Speed Railway Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 4353-4366.	6.3	18
34	RadioWeaves for efficient connectivity: analysis and impact of constraints in actual deployments. , 2019, , .		23
35	Real-Time Geometry-Based Wireless Channel Emulation. IEEE Transactions on Vehicular Technology, 2019, 68, 1631-1645.	6.3	37
36	Digital Predistortion for Hybrid MIMO Transmitters. IEEE Journal on Selected Topics in Signal Processing, 2018, 12, 445-454.	10.8	91

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37	Dynamic Channel Model With Overhead Line Poles for High-Speed Railway Communications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 903-906.	4.0	12
38	Achievable Rates and Training Overheads for a Measured LOS Massive MIMO Channel. IEEE Wireless Communications Letters, 2018, 7, 594-597.	5.0	5
39	Massive MIMO Performance – TDD Versus FDD: What Do Measurements Say?. IEEE Transactions on Wireless Communications, 2018, 17, 2247-2261.	9.2	61
40	Performance Assessment for Distributed Broadband Radio Localization. , 2018, , .		1
41	A Path Loss and Shadowing Model for Multilink Vehicle-to-Vehicle Channels in Urban Intersections. Sensors, 2018, 18, 4433.	3.8	31
42	On the Use of Mpc Amplitude Information in Radio Signal Based Slam. , 2018, , .		8
43	Microwave vs. Millimeter-Wave Propagation Channels: Key Differences and Impact on 5G Cellular Systems. IEEE Communications Magazine, 2018, 56, 14-20.	6.1	148
44	Analysis of Transmission Schemes for Dual-Antenna Terminals in Massive MIMO Systems. , 2018, , .		2
45	Random Cluster Number Feature and Cluster Characteristics of Indoor Measurement at 28 GHz. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1881-1884.	4.0	3
46	Cross-Correlation of Large-Scale Parameters in Multi-Link Systems: Analysis Using the Box-Cox Transformation. IEEE Access, 2018, 6, 13555-13564.	4.2	4
47	Validation of a Real-Time Geometry-Based Stochastic Channel Model for Vehicular Scenarios. , 2018, , .		3
48	Geometry Based Channel Models with Cross- and Autocorrelation for Vehicular Network Simulations. , 2018, , .		3
49	Spatial Separation of Closely-Located Users in Measured Massive MIMO Channels. IEEE Access, 2018, 6, 40253-40266.	4.2	22
50	Channel Hardening in Massive MIMO-A Measurement Based Analysis. , 2018, , .		45
51	Tracking of Wideband Multipath Components in a Vehicular Communication Scenario. IEEE Transactions on Vehicular Technology, 2017, 66, 15-25.	6.3	23
52	Performance Characterization of a Real-Time Massive MIMO System With LOS Mobile Channels. IEEE Journal on Selected Areas in Communications, 2017, 35, 1244-1253.	14.0	81
53	Estimating the Cross-Correlation Properties of Large-Scale Parameters in Multilink Distributed Antenna Systems: Synchronous Measurements Versus Repeated Measurements. IEEE Transactions on Vehicular Technology, 2017, 66, 7633-7642.	6.3	4
54	Measurement-Based Multiple-Scattering Model of Small-Scale Fading in High-Speed Railway Cutting Scenarios. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1427-1430.	4.0	12

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55	A Measurement-Based Multilink Shadowing Model for V2V Network Simulations of Highway Scenarios. IEEE Transactions on Vehicular Technology, 2017, 66, 8632-8643.	6.3	43
56	5G: A Tutorial Overview of Standards, Trials, Challenges, Deployment, and Practice. IEEE Journal on Selected Areas in Communications, 2017, 35, 1201-1221.	14.0	1,536
57	Reciprocity Calibration for Massive MIMO: Proposal, Modeling, and Validation. IEEE Transactions on Wireless Communications, 2017, 16, 3042-3056.	9.2	124
58	A model for power contributions from diffraction around a truck in vehicle-to-vehicle communications. , 2017, , .		4
59	Factor graph based simultaneous localization and mapping using multipath channel information. , 2017, , .		28
60	The World's First Real-Time Testbed for Massive MIMO: Design, Implementation, and Validation. IEEE Access, 2017, 5, 9073-9088.	4.2	147
61	Measurement-Based Wideband Analysis of Dynamic Multipath Propagation in Vehicular Communication Scenarios. IEEE Transactions on Vehicular Technology, 2017, 66, 4657-4667.	6.3	16
62	5G mmWave Positioning for Vehicular Networks. IEEE Wireless Communications, 2017, 24, 80-86.	9.0	312
63	A Simulation Framework for Multiple-Antenna Terminals in 5G Massive MIMO Systems. IEEE Access, 2017, 5, 26819-26831.	4.2	35
64	Robust phase-based positioning using massive MIMO with limited bandwidth. , 2017, , .		11
65	Deep convolutional neural networks for massive MIMO fingerprint-based positioning. , 2017, , .		111
66	Utilizing Massive MIMO for the Tactile Internet: Advantages and Trade-Offs. , 2017, , .		16
67	A Generalized Method of Moments Detector for Block Fading SIMO Channels. IEEE Communications Letters, 2016, , 1-1.	4.1	0
68	Tightly coupled positioning and multipath radio channel tracking. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 1522-1535.	4.7	10
69	Modeling the Polarimetric mm-Wave Propagation Channel Using Censored Measurements. , 2016, , .		14
70	Transmission Schemes for Multiple Antenna Terminals in Real Massive MIMO Systems. , 2016, , .		11
71	Propagation Channel in a Rural Overtaking Scenario with Large Obstructing Vehicles. , 2016, , .		4
72	Performance evaluation of CoMP transmission schemes using measurements versus the COST 2100 channel model. , 2016, , .		0

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73	Measurement-Based Analysis of Relaying Performance for Vehicle-to-Vehicle Communications with Large Vehicle Obstructions. , 2016, , .		7
74	Implementation of Low-Latency Signal Processing and Data Shuffling for TDD Massive MIMO Systems. , 2016, , .		11
75	Evaluation of the effect of base station antenna polarization on the performance of CoMP transmission techniques based on synchronous multi-link measurements. , 2016, , .		1
76	Exploiting antenna correlation in measured massive MIMO channels. , 2016, , .		4
77	A receive/transmit calibration technique based on mutual coupling for massive MIMO base stations. , 2016, , .		3
78	Statistical Modeling of Ultrawideband MIMO Propagation Channel in a Warehouse Environment. IEEE Transactions on Antennas and Propagation, 2016, 64, 4049-4063.	5.1	24
79	High-Accuracy Localization for Assisted Living: 5G systems will turn multipath channels from foe to friend. IEEE Signal Processing Magazine, 2016, 33, 59-70.	5.6	321
80	Propagation of Multipath Components at an Urban Intersection. , 2015, , .		5
81	Methane emission bursts from permafrost environments during autumn freezeâ€”in: New insights from groundâ€”penetrating radar. Geophysical Research Letters, 2015, 42, 6732-6738.	4.0	30
82	A Measurement Based Shadow Fading Model for Vehicle-to-Vehicle Network Simulations. International Journal of Antennas and Propagation, 2015, 2015, 1-12.	1.2	130
83	Time- and Frequency-Varying $\kappa$ -Factor of Non-Stationary Vehicular Channels for Safety-Relevant Scenarios. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1007-1017.	8.0	80
84	Simulation and Measurement-Based Vehicle-to-Vehicle Channel Characterization: Accuracy and Constraint Analysis. IEEE Transactions on Antennas and Propagation, 2015, 63, 3208-3218.	5.1	89
85	Ultrawideband MIMO Channel Measurements and Modeling in a Warehouse Environment. , 2015, , .		10
86	Impact of Power Amplifier Nonlinearities in Multi-User Massive MIMO Downlink. , 2015, , .		38
87	Sensor fused indoor positioning using dual band WiFi signal measurements. , 2015, , .		6
88	Measurement Uncertainty, Channel Simulation, and Disturbance Characterization of an Over-the-Air Multiprobe Setup for Cars at 5.9 GHz. IEEE Transactions on Industrial Electronics, 2015, 62, 7859-7869.	7.9	16
89	Spatial separation of closely-spaced users in measured massive multi-user MIMO channels. , 2015, , .		34
90	Tracking and positioning using phase information from estimated multi-path components. , 2015, , .		22

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91	Experimental evaluation of the effect of BS antenna inter-element spacing on MU-MIMO separation. , 2015, , .		8
92	A Microwave Imaging-Based Technique to Localize an In-Body RF Source for Biomedical Applications. IEEE Transactions on Biomedical Engineering, 2015, 62, 1231-1241.	4.2	38
93	On the Probability of Non-Shared Multipath Clusters in Cellular Networks. IEEE Wireless Communications Letters, 2015, 4, 161-164.	5.0	0
94	Massive MIMO Performance Evaluation Based on Measured Propagation Data. IEEE Transactions on Wireless Communications, 2015, 14, 3899-3911.	9.2	444
95	Stress Test of Vehicular Communication Transceivers Using Software Defined Radio. , 2015, , .		9
96	Statistical Modeling and Estimation of Censored Pathloss Data. IEEE Wireless Communications Letters, 2015, 4, 569-572.	5.0	29
97	Geometrical Cluster-Based Scatterer Detection Method with the Movement of Mobile Terminal. , 2015, , .		9
98	Massive MIMO in Real Propagation Environments: Do All Antennas Contribute Equally?. IEEE Transactions on Communications, 2015, 63, 3917-3928.	7.8	210
99	Source localization using virtual antenna arrays. , 2015, , .		4
100	Impact of a truck as an obstacle on vehicle-to-vehicle communications in rural and highway scenarios. , 2014, , .		29
101	Vehicle detection through wireless vehicular communication. Eurasip Journal on Wireless Communications and Networking, 2014, 2014, .	2.4	4
102	Reciprocity calibration methods for massive MIMO based on antenna coupling. , 2014, , .		54
103	On the cross-correlation properties of large-scale fading in distributed antenna systems. , 2014, , .		9
104	An effective subdivision algorithm for diffuse scattering of ray tracing. , 2014, , .		4
105	On the directional reciprocity of uplink and downlink channels in Frequency Division Duplex systems. , 2014, , .		30
106	Vehicle-to-vehicle channel models with large vehicle obstructions. , 2014, , .		10
107	Optimal virtual array length under position imperfections. , 2014, , .		6
108	A flexible 100-antenna testbed for Massive MIMO. , 2014, , .		191

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109	Massive MIMO for next generation wireless systems. IEEE Communications Magazine, 2014, 52, 186-195.	6.1	5,006
110	On mm-Wave Multipath Clustering and Channel Modeling. IEEE Transactions on Antennas and Propagation, 2014, 62, 1445-1455.	5.1	225
111	Delay and Doppler Spreads of Nonstationary Vehicular Channels for Safety-Relevant Scenarios. IEEE Transactions on Vehicular Technology, 2014, 63, 82-93.	6.3	183
112	Modeling the cluster decay in mm-wave channels. , 2014, , .		12
113	On the performance of random antenna arrays for direction of arrival estimation. , 2014, , .		4
114	Vehicle-to-Vehicle Propagation Models With Large Vehicle Obstructions. IEEE Transactions on Intelligent Transportation Systems, 2014, 15, 2237-2248.	8.0	171
115	Propagation Channel Models for Next-Generation Wireless Communications Systems. IEICE Transactions on Communications, 2014, E97.B, 2022-2034.	0.7	81
116	Multi-Switch for Antenna Selection in Massive MIMO. , 2014, , .		5
117	Large antenna array and propagation environment interaction. , 2014, , .		11
118	The COST 2100 Channel Model: Parameterization and Validation Based on Outdoor MIMO Measurements at 300 MHz. IEEE Transactions on Wireless Communications, 2013, 12, 888-897.	9.2	78
119	Experimental Investigation of the Directional Outdoor-to-In-Car Propagation Channel. IEEE Transactions on Vehicular Technology, 2013, 62, 2532-2543.	6.3	7
120	Massive MIMO channels &#x2014; Measurements and models. , 2013, , .		120
121	Delay spread properties in a measured massive MIMO system at 2.6 GHz. , 2013, , .		37
122	Measurement-Based Analysis: The Effect of Complementary Antennas and Diversity on Vehicle-to-Vehicle Communication. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 309-312.	4.0	36
123	Radio Channel Properties for Vehicular Communication: Merging Lanes Versus Urban Intersections. IEEE Vehicular Technology Magazine, 2013, 8, 27-34.	3.4	32
124	Measurements based channel characterization for vehicle-to-vehicle communications at merging lanes on highway. , 2013, , .		12
125	Direction of arrival estimation with arbitrary virtual antenna arrays using low cost inertial measurement units. , 2013, , .		14
126	Universal medium range radar and IEEE 802.11p modem solution for integrated traffic safety. , 2013, , .		2



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127	Validation of a non-line-of-sight path-loss model for V2V communications at street intersections. , 2013, , .		35
128	Scaling Up MIMO: Opportunities and Challenges with Very Large Arrays. IEEE Signal Processing Magazine, 2013, 30, 40-60.	5.6	4,222
129	Non-Coherent Fourth-Order Detector for Impulse Radio Ultra Wideband Systems: Empirical Evaluation Using Channel Measurements. Wireless Personal Communications, 2013, 68, 27-46.	2.7	2
130	Antenna selection in measured massive MIMO channels using convex optimization. , 2013, , .		33
131	Performance Evaluation of Time-Reversal on Measured 60GHz Wireless Channels. Wireless Personal Communications, 2013, 71, 707-717.	2.7	1
132	A geometry based stochastic model for MIMO V2V channel simulation in cross-junction scenario. , 2013, , .		14
133	Comparison of Ray Tracing and Channel-Sounder Measurements for Vehicular Communications. , 2013, , .		31
134	Single antenna anchor-free UWB positioning based on multipath propagation. , 2013, , .		16
135	Line-of-Sight Obstruction Analysis for Vehicle-to-Vehicle Network Simulations in a Two-Lane Highway Scenario. International Journal of Antennas and Propagation, 2013, 2013, 1-9.	1.2	12
136	Localization of an RF source inside the Human body for Wireless Capsule Endoscopy. , 2013, , .		21
137	Channel measurements and analysis for very large array systems at 2.6 GHz. , 2012, , .		254
138	Estimation of Spherical Wave Coefficients From 3-D Positioner Channel Measurements. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 608-611.	4.0	8
139	Indoor-indoor and indoor-outdoor propagation trial results at 2.6 GHz. , 2012, , .		11
140	Characterization of 60 GHz shadowing by human bodies and simple phantoms. , 2012, , .		52
141	Indoor multi-user MIMO: Measured user orthogonality and its impact on the choice of coding. , 2012, , .		2
142	Multi-Link MIMO Channel Modeling Using Geometry-Based Approach. IEEE Transactions on Antennas and Propagation, 2012, 60, 587-596.	5.1	43
143	The COST 2100 MIMO channel model. IEEE Wireless Communications, 2012, 19, 92-99.	9.0	432
144	Measurement based ray launching for analysis of outdoor propagation. , 2012, , .		7

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145	Measured propagation characteristics for very-large MIMO at 2.6 GHz. , 2012, , .		135
146	Vehicle-to-Vehicle Communications. Signals and Communication Technology, 2012, , 577-608.	0.5	4
147	The (in-) validity of the WSSUS assumption in vehicular radio channels. , 2012, , .		72
148	Correlation Properties of Large Scale Parameters from 2.66 GHz Multi-Site Macro Cell Measurements. , 2011, , .		22
149	Directional Analysis of Vehicle-to-Vehicle Propagation Channels. , 2011, , .		36
150	A dual input-channel software defined receiver platform for GSM WCDMA and Wi-Fi. , 2011, , .		0
151	Beamforming Effects on Measured mm-Wave Channel Characteristics. IEEE Transactions on Wireless Communications, 2011, 10, 3553-3559.	9.2	49
152	Directional Analysis of Measured 60 GHz Indoor Radio Channels Using SAGE. , 2011, , .		26
153	Vehicular Channel Characterization and Its Implications for Wireless System Design and Performance. Proceedings of the IEEE, 2011, 99, 1189-1212.	21.3	355
154	Path Loss Modeling for Vehicle-to-Vehicle Communications. IEEE Transactions on Vehicular Technology, 2011, 60, 323-328.	6.3	226
155	Feasibility Study of a Mm-Wave Impulse Radio Using Measured Radio Channels. , 2011, , .		2
156	Evaluation of an Outdoor-to-in-Car Radio Channel with a Four-Antenna Handset and a User Phantom. , 2011, , .		2
157	In-Tunnel Vehicular Radio Channel Characterization. , 2011, , .		38
158	Linear Pre-Coding Performance in Measured Very-Large MIMO Channels. , 2011, , .		211
159	Modeling Time-Variant Fast Fading Statistics of Mobile Peer-to-Peer Radio Channels. , 2011, , .		7
160	Measurement-Based Evaluation of Interlink Correlation for Indoor Multiuser MIMO Channels. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 311-314.	4.0	18
161	Physical modelling of multiple-input multiple-output antennas and channels by means of the spherical vector wave expansion. IET Microwaves, Antennas and Propagation, 2010, 4, 778.	1.4	27
162	A Dynamic Dual-Link Wideband MIMO Channel Sounder for 5.3 GHz. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 873-883.	4.7	40

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163	Radio Channel Measurements at Street Intersections for Vehicle-to-Vehicle Safety Applications. , 2010, , .		69
164	Simulation modelling and analysis of a realistic radio channel model for V2V communications. , 2010, , .		7
165	Temporal evolution of channel capacity in vehicular MIMO channels in the 5 GHz band. , 2010, , .		1
166	Comparison of delay and angular spreads between channel measurements and the COST2100 channel model. , 2010, , .		4
167	Evaluation of user hand and body impact on multiple antenna handset performance. , 2010, , .		10
168	Modeling the Ultra-Wideband Outdoor Channel: Model Specification and Validation. IEEE Transactions on Wireless Communications, 2010, 9, 1987-1997.	9.2	45
169	A MIMO channel model for wireless personal area networks. IEEE Transactions on Wireless Communications, 2010, 9, 245-255.	9.2	13
170	Propagation Characteristics of Dense Multipath Components. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 791-794.	4.0	33
171	Multi-dimensional K-factor analysis for V2V radio channels in open sub-urban street crossings. , 2010, , .		15
172	Efficient experimental evaluation of a MIMO handset with user influence. IEEE Transactions on Wireless Communications, 2010, 9, 853-863.	9.2	44
173	Capacity Evaluation of Measured Vehicle-to-Vehicle Radio Channels at 5.2 GHz. , 2010, , .		3
174	Modeling the ultra-wideband outdoor channel: Measurements and parameter extraction method. IEEE Transactions on Wireless Communications, 2010, 9, 282-290.	9.2	74
175	Analysis of radio wave scattering processes for indoor MIMO channel models. , 2009, , .		9
176	Characterization of Vehicle-to-Vehicle Radio Channels from Measurements at 5.2 GHz. Wireless Personal Communications, 2009, 50, 19-32.	2.7	91
177	Spatial Diversity and Spatial Correlation Evaluation of Measured Vehicle-to-Vehicle Radio Channels at 5.2 GHz. , 2009, , .		13
178	Spherical Vector Wave Expansion of Gaussian Electromagnetic Fields for Antenna-Channel Interaction Analysis. IEEE Transactions on Antennas and Propagation, 2009, 57, 2055-2067.	5.1	36
179	Propagation aspects of vehicle-to-vehicle communications - an overview. , 2009, , .		33
180	A statistical model for indoor office wireless sensor channels. IEEE Transactions on Wireless Communications, 2009, 8, 4154-4164.	9.2	61

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181	Mean effective gain of antennas in a wireless channel. IET Microwaves, Antennas and Propagation, 2009, 3, 214.	1.4	67
182	A geometry-based stochastic MIMO model for vehicle-to-vehicle communications. IEEE Transactions on Wireless Communications, 2009, 8, 3646-3657.	9.2	325
183	A survey on vehicle-to-vehicle propagation channels. IEEE Wireless Communications, 2009, 16, 12-22.	9.0	370
184	Outdoor-to-Indoor Office MIMO Measurements and Analysis at 5.2 GHz. IEEE Transactions on Vehicular Technology, 2008, 57, 1374-1386.	6.3	40
185	Non-WSSUS vehicular channel characterization in highway and urban scenarios at 5.2GHz using the local scattering function. , 2008, , .		42
186	Scatterer Detection by Successive Cancellation for UWB - Method and Experimental Verification. IEEE Vehicular Technology Conference, 2008, , .	0.4	14
187	Urban peer-to-peer MIMO channel measurements and analysis at 300 MHz. , 2008, , .		16
188	The Composite Channel Method: Efficient Experimental Evaluation of a Realistic MIMO Terminal in the Presence of a Human Body. IEEE Vehicular Technology Conference, 2008, , .	0.4	6
189	A Measurement-Based Fading Model for Wireless Personal Area Networks. IEEE Transactions on Wireless Communications, 2008, 7, 4575-4585.	9.2	47
190	Fading characterization in a semi-anechoic chamber with artificial scatterers for Mean Effective Gain measurements of wireless handheld terminals. , 2008, , .		0
191	A note on the Mean Effective Radiated Power and the Mean Effective Receiver Sensitivity of mobile handheld terminals. , 2008, , .		1
192	Channel Measurements of an Indoor Office Scenario for Wireless Sensor Applications. , 2007, , .		11
193	Tracking Time-Variant Cluster Parameters in MIMO Channel Measurements. , 2007, , .		57
194	Characterization of a Computer Board-to-Board Ultra-Wideband Channel. IEEE Communications Letters, 2007, 11, 468-470.	4.1	25
195	First Results from Car-to-Car and Car-to-Infrastructure Radio Channel Measurements at 5.2GHz. , 2007, , .		43
196	Car-to-car radio channel measurements at 5 GHz: Pathloss, power-delay profile, and delay-Doppler spectrum. , 2007, , .		95
197	A Measurement-Based Statistical Model for Industrial Ultra-Wideband Channels. IEEE Transactions on Wireless Communications, 2007, 6, 3028-3037.	9.2	171
198	Antenna subset selection in measured indoor channels. IET Microwaves, Antennas and Propagation, 2007, 1, 1092.	1.4	6

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199	Ultra-Wideband Communications using Hybrid Matched Filter Correlation Receivers. IEEE Transactions on Wireless Communications, 2006, 5, 3119-3129.	9.2	30
200	Polarized MIMO channels in 3-D: models, measurements and mutual information. IEEE Journal on Selected Areas in Communications, 2006, 24, 514-527.	14.0	224
201	Keyhole Effect in MIMO Wireless Channels: Measurements and Theory. IEEE Transactions on Wireless Communications, 2006, 5, 3596-3604.	9.2	129
202	Shadowing Effects in MIMO Channels for Personal Area Networks. , 2006, , .		7
203	WLC11-2: Propagation Channel Characteristics for Peer-to-Peer Multiple Antenna Systems at 300 MHz. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	8
204	Measured Diversity Gains from MIMO Antenna Selection. , 2006, , .		7
205	A Cluster-Based Analysis of Outdoor-to-Indoor Office MIMO Measurements at 5.2 GHz. , 2006, , .		19
206	Measurement of keyhole effect in a wireless multiple-input multiple-output (MIMO) channel. IEEE Communications Letters, 2003, 7, 373-375.	4.1	84
207	Pre-Compensation for Rayleigh Fading Channels in Time Division Duplex OFDM Systems. Wireless Personal Communications, 2001, 16, 21-33.	2.7	10