Gert F Pedersen

List of Publications by Year
in descending order

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305	5,417	94433	133252
papers	citations	37 h-index	59 g-index

306	306	306	3319
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multiuser Spatial Consistency Analysis of Outdoor Massive-MIMO Measurements. IEEE Transactions on Antennas and Propagation, 2022, 70, 680-691.	5.1	2
2	Millimeter-Wave New Radio Test Zone Validation for MIMO Over-the-Air Testing. IEEE Transactions on Antennas and Propagation, 2022, 70, 1569-1574.	5.1	5
3	Dual-Band Shared Aperture Reflectarray and Patch Antenna Array for S- and Ka-Bands. IEEE Transactions on Antennas and Propagation, 2022, 70, 2340-2345.	5.1	36
4	Wideband Low-Sidelobe Slot Array Antenna With Compact Tapering Feeding Network for E-Band Wireless Communications. IEEE Transactions on Antennas and Propagation, 2022, 70, 2676-2685.	5.1	7
5	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
6	A 3-D Wide Passband Frequency Selective Surface With Sharp Roll-Off Sidebands and Angular Stability. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 252-256.	4.0	7
7	SVM-Assisted Adaptive Kernel Power Density Clustering Algorithm for Millimeter Wave Channels. IEEE Transactions on Antennas and Propagation, 2022, 70, 4014-4026.	5.1	6
8	Semi-Deterministic Dynamic Millimeter-Wave Channel Modeling Based on an Optimal Neural Network Approach. IEEE Transactions on Antennas and Propagation, 2022, 70, 4082-4095.	5.1	7
9	Recurrent NEAT Assisted 2D-DOA Estimation With Reduced Complexity for Satellite Communication Systems. IEEE Access, 2022, 10, 11551-11563.	4.2	4
10	Wideband Slot Array Antenna Fed by Open-Ended Rectangular Waveguide at W-Band. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 666-670.	4.0	11
11	Phased Array Calibration Based on Measured Complex Signals in a Compact Multiprobe Setup. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 833-837.	4.0	3
12	Machine-Learning-Based 3-D Channel Modeling for U2V mmWave Communications. IEEE Internet of Things Journal, 2022, 9, 17592-17607.	8.7	33
13	Highly nonâ€linear and wideâ€band mmWave active array OTA linearisation using neural network. IET Microwaves, Antennas and Propagation, 2022, 16, 62-77.	1.4	2
14	Fast Array Diagnosis for Subarray Structured 5G Base Station Antennas. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1393-1397.	4.0	1
15	A Fast Multibeam Measurement Method for Millimeter-Wave Phased Arrays. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1502-1506.	4.0	3
16	Hybrid Digital Pre-Distortion for Active Phased Arrays Subject to Varied Power and Steering Angle. IEEE Microwave and Wireless Components Letters, 2022, , 1-4.	3.2	0
17	Radio Channel Emulation for Virtual Drive Testing with Site-Specific Channels. , 2022, , .		2
18	On the Phase-Compensated Long-Range VNA-based Channel Sounder for sub-6 GHz, mmWave and sub-THz frequency bands. , 2022, , .		0

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19	Fast Array Diagnosis Based on Measured Complex Array Signals with Short Measurement Distance. , 2022, , .		1
20	Dual-Band Metal Frame Blockage Reduction for 5G mm-Wave Arrays in Mobile Phones. , 2022, , .		0
21	Geometry-Based Clustering Characteristics for Outdoor Measurements at 28â€“30 GHz. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1797-1801.	4.0	2
22	Digital Signal Recovery With Transmitter Nonlinear State Tracking for Satellite Communications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 4774-4778.	3.0	1
23	Achieving Wireless Cable Testing of High-Order MIMO Devices With a Novel Closed-Form Calibration Method. IEEE Transactions on Antennas and Propagation, 2021, 69, 478-487.	5.1	14
24	A Dual-Polarized and High-Gain X-/Ka-Band Shared-Aperture Antenna With High Aperture Reuse Efficiency. IEEE Transactions on Antennas and Propagation, 2021, 69, 1334-1344.	5.1	50
25	Design and Experimental Validation of Automated Millimeter-Wave phased Array Antenna-in-Package (AiP) Experimental Platform. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	11
26	Over-the-Air Testing of 5G Communication Systems: Validation of the Test Environment in Simple-Sectored Multiprobe Anechoic Chamber Setups. IEEE Antennas and Propagation Magazine, 2021, 63, 40-50.	1.4	8
27	A Planar Dual-Polarized Phased Array With Broad Bandwidth and Quasi-Endfire Radiation for 5G Mobile Handsets. IEEE Transactions on Antennas and Propagation, 2021, 69, 6410-6419.	5.1	44
28	Characterization and Modeling of the User Blockage for 5G Handset Antennas. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	8
29	Over-the-Air Array Calibration of mmWave Phased Array in Beam-Steering Mode Based on Measured Complex Signals. IEEE Transactions on Antennas and Propagation, 2021, 69, 7876-7888.	5.1	19
30	Experimental Comparison of Onâ€“Off and All-On Calibration Modes for Beam-Steering Performance of mmWave Phased Array Antenna-in-Package. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	5
31	A Broadband and FSS-Based Transmitarray Antenna for 5G Millimeter-Wave Applications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 103-107.	4.0	23
32	Amplitude Distributions of Measured 21.5 GHz Indoor Channels for a Handheld Array. , 2021, , .		0
33	On Simplification of Ray Tracing Channels in Radio Channel Emulators for Device Testing. , 2021, , .		4
34	Water-Based Dual-Band Metamaterial Absorber. , 2021, , .		1
35	Hybrid Switchable Phased Array with p-i-n Diodes for 5G Mobile Terminals. , 2021, , .		4
36	Wideband Reduction of the Metal-Frame Blockage to mm-Wave Antennas. , 2021, , .		1

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37	Spatial fading channel emulation for over-the-air testing of millimeter-wave radios: concepts and experimental validations. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 548-559.	2.6	4
38	Over-the-Air Evaluation of User Body Loss for Popular In-Ear Bluetooth Earbuds. International Journal of Antennas and Propagation, 2021, 2021, 1-10.	1.2	4
39	A Simultaneous Wideband Calibration for Digital Beamforming Arrays at Short Distances [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2021, 63, 102-111.	1.4	3
40	A Digital Signal Recovery Technique Using DNNs for LEO Satellite Communication Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 6141-6151.	7.9	13
41	Joint Modeling of Received Power, Mean Delay, and Delay Spread for Wideband Radio Channels. IEEE Transactions on Antennas and Propagation, 2021, 69, 4871-4882.	5.1	3
42	A Novel B5G Frequency Nonstationary Wireless Channel Model. IEEE Transactions on Antennas and Propagation, 2021, 69, 4846-4860.	5.1	10
43	Channel Spatial Profile Validation for FR2 New Radio Over-the-air Testing. , 2021, , .		1
44	Wideband Low-Profile Dual-Polarized Phased Array With Endfire Radiation Patterns for 5G Mobile Applications. IEEE Transactions on Vehicular Technology, 2021, 70, 8431-8440.	6.3	15
45	Modeling Multi-Frequency Characteristics for Classroom and Hall Scenarios at 2-4, 9-11 and 27-29 GHz Bands. IEEE Access, 2021, 9, 14549-14563.	4.2	4
46	Design and Validation of the Phase-Compensated Long-Range Sub-THz VNA-Based Channel Sounder. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2461-2465.	4.0	10
47	Design of a Triple-Band Shared-Aperture Antenna With High Figures of Merit. IEEE Transactions on Antennas and Propagation, 2021, 69, 8884-8889.	5.1	8
48	An Improved Complex Signal-Based Calibration Method for Beam-Steering Phased Array. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2161-2165.	4.0	5
49	A Simple Decoupling Network With Filtering Response for Patch Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2021, 69, 7427-7439.	5.1	37
50	High-Isolation Dual-Polarized Leaky-Wave Antenna With Fixed Beam for Full-Duplex Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 7202-7212.	5.1	26
51	Robust Digital Signal Recovery for LEO Satellite Communications Subject to High SNR Variation and Transmitter Memory Effects. IEEE Access, 2021, 9, 135803-135815.	4.2	7
52	Hybrid Precoding for Correlated Multi-user mm-wave Channels Based on Beam Alignment. IEEE Wireless Communications Letters, 2021, , 1-1.	5.0	1
53	Multipath Fading Channel Modeling with Aerial Intelligent Reflecting Surface. , 2021, , .		3
54	Antenna Designs for Mobile Handsets With Consideration of 3GPP Requirements in FR2. , 2021, , .		0

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55	Assessment of the Huygensâ€™ Box Method With Different Sources Near Obstacles. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 433-442.	2.2	5
56	Dual-Polarized Phased Array With End-Fire Radiation for 5G Handset Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 3277-3282.	5.1	73
57	A Wavetrap-Based Decoupling Technique for 45Â° Polarized MIMO Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2020, 68, 2148-2157.	5.1	22
58	Radiation-Pattern Reconfigurable Phased Array With p-i-n Diodes Controlled for 5G Mobile Terminals. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 1103-1117.	4.6	44
59	Virtual Drive Testing Over-the-Air for Vehicular Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 1203-1213.	6.3	11
60	Cluster Intensity and Spread Characteristics in Classroom Scenario at 10 and 28 GHz Bands. , 2020, , .		2
61	Transparent mm-Wave Array on a Glass Substrate with Surface Wave Reduction. , 2020, , .		9
62	Wideband Vertically Polarized Antenna With Endfire Radiation for 5G Mobile Phone Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1948-1952.	4.0	28
63	Cosynthesis of a Filtering Antenna With Harmonic Suppression. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1729-1733.	4.0	17
64	Design and Implementation of a Wideband Dual-Polarized Plane Wave Generator With Tapered Feeding Nonuniform Array. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1988-1992.	4.0	24
65	Dynamic Channel Modeling for Indoor Millimeter-Wave Propagation Channels Based on Measurements. IEEE Transactions on Communications, 2020, 68, 5878-5891.	7.8	34
66	On Angular Sampling Intervals for Reconstructing Wideband Channel Spatial Profiles in Directional Scanning Measurements. IEEE Transactions on Vehicular Technology, 2020, 69, 13910-13915.	6.3	12
67	Split-Ring Resonator-Loaded Baffles for Decoupling of Dual-Polarized Base Station Array. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1828-1832.	4.0	44
68	On Noise and Interference Modeling for Over-the-air Testing of MIMO Terminals. , 2020, , .		1
69	Frequency Reconfigurable Endfire Vertical Polarized Array for 5G Handset Applications. , 2020, , .		1
70	A Wideband 3-D Printed Reflectarray Antenna With Mechanically Reconfigurable Polarization. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1798-1802.	4.0	26
71	On Uncertainty Investigation of mmWave Phased-Array Element Control With an All-OnÂMethod. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1993-1997.	4.0	5
72	A Low-Cost, High-Efficiency and Full-Metal Reflectarray Antenna With Mechanically 2-D Beam-Steerable Capabilities for 5G Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 6997-7006.	5.1	61

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73	A Wideband Filtering Antenna Array With Harmonic Suppression. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4327-4339.	4.6	43
74	Dual-Band Structure Reused Antenna Based on Quasi-Elliptic Bandpass Frequency Selective Surface for 5G Application. IEEE Transactions on Antennas and Propagation, 2020, 68, 7612-7617.	5.1	42
75	Trajectory-Aided Maximum-Likelihood Algorithm for Channel Parameter Estimation in Ultrawideband Large-Scale Arrays. IEEE Transactions on Antennas and Propagation, 2020, 68, 7131-7143.	5.1	16
76	A Simple and Wideband Decoupling Method for Antenna Array Applications. , 2020, , .		1
77	Phase-Compensated Optical Fiber-Based Ultrawideband Channel Sounder. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 636-647.	4.6	23
78	Dielectric Properties of Common Building Materials for Ultrawideband Propagation Studies [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2020, 62, 72-81.	1.4	42
79	On Simple-Sectored Multi-Probe Anechoic Chamber Design for mmWave Adaptive Terminal. IEEE Access, 2020, 8, 26419-26432.	4.2	2
80	mm-Wave Beam-Steerable Endfire Array Embedded in a Slotted Metal-Frame LTE Antenna. IEEE Transactions on Antennas and Propagation, 2020, 68, 3685-3694.	5.1	54
81	Multiuser Correlation and Sum-Rate in Outdoor Measured Massive MIMO Channels. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 433-437.	4.0	4
82	Handset Frame Blockage Reduction of 5G mm-Wave Phased Arrays Using Hard Surface Inspired Structure. IEEE Transactions on Vehicular Technology, 2020, 69, 8132-8139.	6.3	15
83	Accurate Channel Sounding with a Phase Stabilizing Scheme. , 2020, , .		5
84	Millimeter-Wave Hybrid Precoder Design With a Fast Iterative Beam Split and Detection Algorithm. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2368-2372.	4.0	1
85	Deep Neural Network-Based Receiver for Next-Generation LEO Satellite Communications. IEEE Access, 2020, 8, 222109-222116.	4.2	4
86	In Situ Antenna Pointing Angle Calibration for Q-Band Satellite Ground Station. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1246-1250.	4.0	3
87	System development and experimental validation of a longâ€range VNAâ€based channel sounder. IET Microwaves, Antennas and Propagation, 2020, 14, 1733-1741.	1.4	3
88	Wideband Beam-Switchable 28 GHz Quasi-Yagi Array for Mobile Devices. IEEE Transactions on Antennas and Propagation, 2019, 67, 6870-6882.	5.1	62
89	Near-Field Ultra-Wideband mmWave Channel Characterization Using Successive Cancellation Beamspace UCA Algorithm. IEEE Transactions on Vehicular Technology, 2019, 68, 7248-7259.	6.3	18
90	X-Band Dual Circularly Polarized Patch Antenna With High Gain for Small Satellites. IEEE Access, 2019, 7, 74925-74930.	4.2	10

#	Article	IF	Citations
91	Design of an Absorptive Fabryâ€“Perot Polarizer and Its Application. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1352-1356.	4.0	5
92	Antenna Correlation Under Geometry-Based Stochastic Channel Models. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2567-2571.	4.0	6
93	Frequency Characteristics of Geometry-Based Clusters in Indoor Hall Environment at SHF Bands. IEEE Access, 2019, 7, 75420-75433.	4.2	7
94	Improved Over-the-Air Phased Array Calibration Based on Measured Complex Array Signals. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1174-1178.	4.0	28
95	Interference Modeling for Low-Height Air-to-Ground Channels in Live LTE Networks. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2011-2015.	4.0	17
96	Mutual Coupling Suppression With Decoupling Ground for Massive MIMO Antenna Arrays. IEEE Transactions on Vehicular Technology, 2019, 68, 7273-7282.	6.3	75
97	A Millimeter-Wave Gain-Filtering Transmitarray Antenna Design Using a Hybrid Lens. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1362-1366.	4.0	16
98	Dielectric Properties of Human Hand Tissue for Handheld Devices Testing. IEEE Access, 2019, 7, 61949-61959.	4.2	12
99	SIW Multibeam Antenna Array at 30 GHz for 5G Mobile Devices. IEEE Access, 2019, 7, 73157-73164.	4.2	31
100	A Complexity-Efficient High Resolution Propagation Parameter Estimation Algorithm for Ultra-Wideband Large-Scale Uniform Circular Array. IEEE Transactions on Communications, 2019, 67, 5862-5874.	7.8	29
101	A Reflectarray Antenna Designed With Gain Filtering and Low-RCS Properties. IEEE Transactions on Antennas and Propagation, 2019, 67, 5362-5371.	5.1	33
102	Comparing Channel Emulation Algorithms by Using Plane Waves and Spherical Vector Waves in Multiprobe Anechoic Chamber Setups. IEEE Transactions on Antennas and Propagation, 2019, 67, 4091-4103.	5.1	11
103	User-Shadowing Suppression for 5G mm-Wave Mobile Terminal Antennas. IEEE Transactions on Antennas and Propagation, 2019, 67, 4162-4172.	5.1	27
104	A Triple-Band Absorber With Wide Absorption Bandwidths Using an Impedance Matching Theory. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 521-525.	4.0	27
105	A Transmission-Line-Based Decoupling Method for MIMO Antenna Arrays. IEEE Transactions on Antennas and Propagation, 2019, 67, 3117-3131.	5.1	81
106	Reduction of Main Beam-Blockage in an Integrated 5G Array With a Metal-Frame Antenna. IEEE Transactions on Antennas and Propagation, 2019, 67, 3161-3170.	5.1	47
107	Integrated Millimeter-Wave Wideband End-Fire 5G Beam Steerable Array and Low-Frequency 4G LTE Antenna in Mobile Terminals. IEEE Transactions on Vehicular Technology, 2019, 68, 4042-4046.	6.3	96
108	Frequency Characteristics of Diffuse Scattering in SHF band in Indoor Environments. , 2019, , .		1

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109	Comparisons of Channel Emulation Methods for State-of-the-Art Multi-Probe Anechoic Chamber Based Millimeter-Wave Over-the-Air Testing. , 2019, , .		6
110	Radiation Pattern Reconfigurable mm-Wave Bow-Tie Array Integrated with PIFA Antenna. , 2019, , .		2
111	Spherical Coverage Characterization of 5G Millimeter Wave User Equipment With 3GPP Specifications. IEEE Access, 2019, 7, 4442-4452.	4.2	51
112	An Empirical Air-to-Ground Channel Model Based on Passive Measurements in LTE. IEEE Transactions on Vehicular Technology, 2019, 68, 1140-1154.	6.3	72
113	A Dual-Polarized Linear Antenna Array With Improved Isolation Using a Slotline-Based 180Â° Hybrid for Full-Duplex Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 348-352.	4.0	37
114	On the Conductive Loss of High-<inline-formula> <tex-math notation="LaTeX">${Q}$ </tex-math> </inline-formula> Frequency Reconfigurable Antennas for LTE Frequencies. IEEE Transactions on Antennas and Propagation, 2018, 66, 2599-2604.	5.1	2
115	Throughput Modeling and Validations for MIMO-OTA Testing With Arbitrary Multipath. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 637-640.	4.0	25
116	OTA Evaluation of Mobile Phone Antenna Performance for VoLTE [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 122-130.	1.4	5
117	User Impact on Phased and Switch Diversity Arrays in 5G Mobile Terminals. IEEE Access, 2018, 6, 1616-1623.	4.2	24
118	Antenna Gain Impact on UWB Wind Turbine Blade Deflection Sensing. IEEE Access, 2018, 6, 20497-20505.	4.2	2
119	On Channel Emulation Methods in Multiprobe Anechoic Chamber Setups for Over-the-Air Testing. IEEE Transactions on Vehicular Technology, 2018, 67, 6740-6751.	6.3	32
120	Wideband or Dual-Band Low-Profile Circular Patch Antenna With High-Gain and Sidelobe Suppression. IEEE Transactions on Antennas and Propagation, 2018, 66, 3166-3171.	5.1	31
121	Millimeter Wave Multi-User Performance Evaluation Based on Measured Channels With Virtual Antenna Array Channel Sounder. IEEE Access, 2018, 6, 12318-12326.	4.2	50
122	Estimation of Rician Channels From Indoor Measurements at 26 GHz. , 2018, , .		1
123	Characterization of Human Body Shadowing in Measured Millimeter-wave Indoor Channels. , 2018, , .		4
124	3D Radiation Pattern Reconfigurable Phased Array for Transmission Angle Sensing in 5G Mobile Communication. Sensors, 2018, 18, 4204.	3.8	29
125	Over-the-Air Testing for Carrier Aggregation Enabled MIMO Terminals Using Radiated Two-Stage Method. IEEE Access, 2018, 6, 71622-71631.	4.2	7
126	Measurement of Attenuation by Building Structures in Cellular Network Bands. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2260-2263.	4.0	14

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127	Experimental Characterization of Millimeter-Wave Indoor Propagation Channels at 28 GHz. IEEE Access, 2018, 6, 76516-76526.	4.2	30
128	Numerical Modeling of Ultrawideband Propagation Along a Wind Turbine Blade. IEEE Transactions on Antennas and Propagation, 2018, 66, 6570-6579.	5.1	4
129	Emulating Dynamic Radio Channels for Radiated Testing of Massive MIMO Devices. , 2018, , .		9
130	Performance Testing of Massive MIMO Base Station with Multi-Probe Anechoic Chamber Setups. , 2018, , .		2
131	A Channel Sounder for Massive MIMO and MmWave Channels. IEEE Communications Magazine, 2018, 56, 67-73.	6.1	25
132	Channel Estimation Algorithms and Their Impact on Wideband Millimeter Wave Channel Characteristics. , 2018, , .		4
133	Empirical Study of Near Ground Propagation in Forest Terrain for Internet-of-Things Type Device-to-Device Communication. IEEE Access, 2018, 6, 54052-54063.	4.2	26
134	A Flexible Millimeter-Wave Radio Channel Emulator Design With Experimental Validations. IEEE Transactions on Antennas and Propagation, 2018, 66, 6446-6451.	5.1	19
135	Analysis of Simulated and Measured Indoor Channels for mm-Wave Beamforming Applications. International Journal of Antennas and Propagation, 2018, 2018, 1-17.	1.2	7
136	User Effects on the Circular Polarization of 5G Mobile Terminal Antennas. IEEE Transactions on Antennas and Propagation, 2018, 66, 4906-4911.	5.1	29
137	Numerical Modeling of Indoor Propagation Using FDTD Method With Spatial Averaging. IEEE Transactions on Vehicular Technology, 2018, 67, 7984-7993.	6.3	5
138	On Radiated Performance Evaluation of Massive MIMO Devices in Multiprobe Anechoic Chamber OTA Setups. IEEE Transactions on Antennas and Propagation, 2018, 66, 5485-5497.	5.1	61
139	Over-the-Air Radiated Testing of Millimeter-Wave Beam-Steerable Devices in a Cost-Effective Measurement Setup. IEEE Communications Magazine, 2018, 56, 64-71.	6.1	132
140	Channel Characterization for Wideband Large-Scale Antenna Systems Based on a Low-Complexity Maximum Likelihood Estimator. IEEE Transactions on Wireless Communications, 2018, 17, 6018-6028.	9.2	22
141	Compact Beam-Steerable Antenna Array With Two Passive Parasitic Elements for 5G Mobile Terminals at 28 GHz. IEEE Transactions on Antennas and Propagation, 2018, 66, 5193-5203.	5.1	71
142	Wireless Cable Method for High-Order MIMO Terminals Based on Particle Swarm Optimization Algorithm. IEEE Transactions on Antennas and Propagation, 2018, 66, 5536-5545.	5.1	10
143	A Map-Free Indoor Localization Method Using Ultrawideband Large-Scale Array Systems. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1682-1686.	4.0	11
144	Compact Quad-Mode Planar Phased Array With Wideband for 5G Mobile Terminals. IEEE Transactions on Antennas and Propagation, 2018, 66, 4648-4657.	5.1	85

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145	Performance testing of MIMO device with the wireless cable method based on particle swarm optimization algorithm. , 2018, , .		4
146	Channel models for capacity evaluation of MIMO handsets in data mode. IET Microwaves, Antennas and Propagation, 2017, 11, 1-9.	1.4	1
147	Tunable Handset Antenna: Enhancing Efficiency on TV White Spaces. IEEE Transactions on Antennas and Propagation, 2017, 65, 2106-2111.	5.1	20
148	Multipath Suppression With an Absorber for UWB Wind Turbine Blade Deflection Sensing Systems. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2583-2595.	4.6	9
149	Combining antenna and ground plane tuning to efficiently cover Tv white spaces on handsets. , 2017, , .		1
150	Design and Evaluation of Full-Duplex Terminal Antennas in Realistic User Scenarios. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1851-1854.	4.0	8
151	Assessing measurement distances for OTA testing of massive MIMO base station at 28 GHz. , 2017, , .		17
152	Reproducing standard SCME channel models for massive MIMO base station radiated testing. , 2017, , .		9
153	Analytic and experimental investigation of beamforming algorithms for MM-wave channel characterization. , 2017, , .		0
154	Statistical Investigation of the User Effects on Mobile Terminal Antennas for 5G Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6596-6605.	5.1	71
155	A Planar Switchable 3-D-Coverage Phased Array Antenna and Its User Effects for 28-GHz Mobile Terminal Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6413-6421.	5.1	112
156	A Step Toward 5G in 2020: Low-cost OTA performance evaluation of massive MIMO base stations. IEEE Antennas and Propagation Magazine, 2017, 59, 38-47.	1.4	101
157	Near-Field Signal Model for Large-Scale Uniform Circular Array and Its Experimental Validation. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1237-1240.	4.0	5
158	Channel Sounding System for MM-Wave Bands and Characterization of Indoor Propagation at 28ÂGHz. International Journal of Wireless Information Networks, 2017, 24, 204-216.	2.7	11
159	Experimental Evaluation of User Influence on Test Zone Size in Multi-Probe Anechoic Chamber Setups. IEEE Access, 2017, 5, 18545-18556.	4.2	16
160	Validation of emulated omnidirectional antenna output using directive antenna data. , 2017, , .		3
161	Channel estimation using spherical-wave model for indoor LoS and obstructed LoS scenarios. , 2017, , .		6
162	MIMO Terminal Performance Evaluation With a Novel Wireless Cable Method. IEEE Transactions on Antennas and Propagation, 2017, 65, 4803-4814.	5.1	35

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163	Antenna for Ultrawideband Channel Sounding. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 692-695.	4.0	27
164	Frequency-Invariant Uniform Circular Array for Wideband mm-Wave Channel Characterization. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 641-644.	4.0	23
165	Measured 21.5 GHz Indoor Channels With User-Held Handset Antenna Array. IEEE Transactions on Antennas and Propagation, 2017, 65, 6574-6583.	5.1	20
166	Virtual Large-Scale Array Beamforming Analysis Using Measured Subarray Antenna Patterns. IEEE Access, 2017, 5, 19812-19823.	4.2	10
167	Comparison of stationarity regions for wireless channels from 2 GHz to 30 GHz. , 2017, , .		8
168	Recent advances on OTA testing for 5G antenna systems in multi-probe anechoic chamber setups. , 2017, , .		6
169	Experimental Evaluation of MIMO Terminals With User Influence in OTA Setups. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 3030-3033.	4.0	4
170	Test Zone Size Characterization With Measured MIMO Throughput for Simulated MPAC Configurations in Conductive Setups. IEEE Transactions on Vehicular Technology, 2017, 66, 10532-10536.	6.3	18
171	Spatial Stationarity of Ultrawideband and Millimeter Wave Radio Channels. International Journal of Antennas and Propagation, 2016, 2016, 1-7.	1.2	5
172	Wide-scan phased array antenna fed by coax-to-microstriplines for 5G cell phones. , 2016, , .		30
173	Ultrawideband VNA based channel sounding system for centimetre and millimetre wave bands. , 2016, , .		11
174	Evaluation of massive MIMO systems using time-reversal beamforming technique. , 2016, , .		8
175	Generating Spatial Channel Models in Multi-Probe Anechoic Chamber Setups. , 2016, , .		3
176	Addressing carrier aggregation with narrow-band tunable antennas. , 2016, , .		3
177	Comparative study of centimetric and millimetric propagation channels in indoor environments. , 2016, , .		3
178	Aspects of High-Q Tunable Antennas and Their Deployment for 4G Mobile Communications [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2016, 58, 70-81.	1.4	7
179	Validation of 5G METIS map-based channel model at mmwave bands in indoor scenarios. , 2016, , .		14
180	Beam-steerable microstrip-fed bow-tie antenna array for fifth generation cellular communications. , 2016, , .		31

#	Article	IF	Citations
181	On Dimensions of OTA Setups for Massive MIMO Base Stations Radiated Testing. IEEE Access, 2016, 4, 5971-5981.	4.2	45
182	Comparison of ray tracing simulations and channel measurements at mmWave bands for indoor scenarios. , 2016, , .		19
183	Experimental investigation on the effect of user's hand proximity on a compact ultrawideband MIMO antenna array. IET Microwaves, Antennas and Propagation, 2016, 10, 1402-1410.	1.4	12
184	Measured wideband characteristics of indoor channels at centimetric and millimetric bands. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	72
185	Angular power distribution measurements and modelling of outdoor urban environment using ray-tracing at 2 and 18 GHz. , 2016, , .		2
186	Mobile terminal LTE MIMO antennas for 700 MHz LTE band. , 2016, , .		1
187	Mm-Wave dielectric resonator antenna (DRA) with wide bandwidth for the future wireless networks. , 2016, , .		6
188	Modified biconical antenna for ultrawideband applications. , 2016, , .		10
189	Wideband MIMO Channel Capacity Analysis in Multiprobe Anechoic Chamber Setups. IEEE Transactions on Vehicular Technology, 2016, 65, 2861-2871.	6.3	36
190	Absorption Related to Hand-Held Devices in Data Mode. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 47-53.	2.2	11
191	Emulating Ray-Tracing Channels in Multiprobe Anechoic Chamber Setups for Virtual Drive Testing. IEEE Transactions on Antennas and Propagation, 2016, 64, 730-739.	5.1	37
192	A Switchable 3-D-Coverage-Phased Array Antenna Package for 5G Mobile Terminals. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1747-1750.	4.0	205
193	Tiny Integrated Network Analyzer for Noninvasive Measurements of Electrically Small Antennas. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 279-288.	4.6	6
194	Mutual Coupling Reduction for UWB MIMO Antennas With a Wideband Neutralization Line. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 166-169.	4.0	403
195	On Probe weighting for MIMO OTA testing in anechoic chamber setups. , 2015, , .		1
196	UWB Wind Turbine Blade Deflection Sensing for Wind Energy Cost Reduction. Sensors, 2015, 15, 19768-19782.	3.8	25
197	Emulating Realistic Bidirectional Spatial Channels for MIMO OTA Testing. International Journal of Antennas and Propagation, 2015, 2015, 1-13.	1.2	2
198	Over-the-Air Testing of MIMO-Capable Terminals: Evaluation of Multiple-Antenna Systems in Realistic Multipath Propagation Environments Using an OTA Method. IEEE Vehicular Technology Magazine, 2015, 10, 38-46.	3.4	19

#	Article	IF	Citations
199	On Angular Sampling Methods for 3-D Spatial Channel Models. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 531-534.	4.0	23
200	Isolation between three antennas at 700 MHz: for handheld terminals. IET Microwaves, Antennas and Propagation, 2015, 9, 237-242.	1.4	6
201	A Tunable RF Front-End With Narrowband Antennas for Mobile Devices. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3300-3310.	4.6	25
202	Thermal loss becomes an issue for narrowâ€band tunable antennas in fourth generation handsets. IET Microwaves, Antennas and Propagation, 2015, 9, 1015-1020.	1.4	1
203	On the Accuracy of Asymptotic Solutions for TM Waves Diffracting on an Impedance Wedge. International Journal of Antennas and Propagation, 2014, 2014, 1-5.	1.2	0
204	Antenna Miniaturization with MEMS Tunable Capacitors: Techniques and Trade-Offs. International Journal of Antennas and Propagation, 2014, 2014, 1-8.	1.2	14
205	Correlation coefficient control for a frequency reconfigurable dual-band compact MIMO antenna destined for LTE. , 2014, , .		2
206	Estimating Discrete Power Angular Spectra in Multiprobe OTA Setups. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 349-352.	4.0	2
207	Energy detection using very large antenna array receivers. , 2014, , .		9
208	Measurement uncertainty investigation in the multi-probe OTA setups. , 2014, , .		7
209	User effect on the MIMO performance of a dual antenna LTE handset. , 2014, , .		5
210	Channel statistics for MIMO handsets in data mode. , 2014, , .		3
211	Estimating power angular spectra in multi-probe setups for terminal testing. , 2014, , .		0
212	Thermal loss of high-Q antennas in Time Domain vs. Frequency Domain Solver. , 2014, , .		0
213	On Antenna Polarization Discrimination, Validating MIMO OTA Test Methodologies. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 265-268.	4.0	3
214	Tunable Design for LTE Mobile-Phones. , 2014, , .		0
215	Selfâ€matched highâ€•Q reconfigurable antenna concept for mobile terminals. IET Science, Measurement and Technology, 2014, 8, 479-486.	1.6	2
216	Effect of antenna bandwidth and placement on the robustness to user interaction. , 2014, , .		6

#	Article	IF	Citations
217	Rician Channel Modeling for Multiprobe Anechoic Chamber Setups. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1761-1764.	4.0	9
218	Concurrent Communication and Sensing in Cognitive Radio Devices: Challenges and an Enabling Solution. IEEE Transactions on Antennas and Propagation, 2014, 62, 1125-1137.	5.1	24
219	On Antenna Design Objectives and the Channel Capacity of MIMO Handsets. IEEE Transactions on Antennas and Propagation, 2014, 62, 3232-3241.	5.1	11
220	High-Q antennas with built-in coils: For mobile devices. , 2014, , .		0
221	A 2-order MIMO full-duplex antenna system. , 2014, , .		11
222	MEMS tunable antennas: Reaching for the 600 MHz-bands. , 2014, , .		3
223	Tunable antennas for mobile devices: Achieving high performance in compelling form factors. , 2014, , .		8
224	Probe Selection in Multiprobe OTA Setups. IEEE Transactions on Antennas and Propagation, 2014, 62, 2109-2120.	5.1	34
225	Covariance-Based Spatial Channel Structure Emulation for MIMO OTA Testing. IEEE Communications Letters, 2014, 18, 205-208.	4.1	2
226	MIMO Reference Antennas Performance in Anisotropic Channel Environments. IEEE Transactions on Antennas and Propagation, 2014, 62, 3270-3280.	5.1	6
227	Agile and efficient MIMO system for smart phone terminals. , 2013, , .		0
228	Antenna cancellation for simultaneous cognitive radio communication and sensing. , 2013, , .		4
229	Beamforming via Large and Dense Antenna Arrays Above a Clutter. IEEE Journal on Selected Areas in Communications, 2013, 31, 314-325.	14.0	50
230	Emulating Spatial Characteristics of MIMO Channels for OTA Testing. IEEE Transactions on Antennas and Propagation, 2013, 61, 4306-4314.	5.1	87
231	3D Channel Model Emulation in a MIMO OTA Setup. , 2013, , .		13
232	Breaking the Transmitterâ€“Receiver Isolation Barrier in Mobile Handsets With Spatial Duplexing. IEEE Transactions on Antennas and Propagation, 2013, 61, 2241-2251.	5.1	38
233	Channel Verification Results for the SCME Models in a Multi-Probe Based MIMO OTA Setup. , 2013, , .		5
234	Better but Worse, the Challenging Promise of 4G Smartphones. , 2013, , .		1

#	Article	IF	Citations
235	On the Efficiency of Capacitively Loaded Frequency Reconfigurable Antennas. International Journal of Distributed Sensor Networks, 2013, 9, 232909.	2.2	2
236	3D channel emulation in multiâ€probe setup. Electronics Letters, 2013, 49, 623-625.	1.0	21
237	Isolation of high-Q antennas for mobile handsets. , 2013, , .		3
238	Channel Spatial Correlation Reconstruction in Flexible Multiprobe Setups. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1724-1727.	4.0	13
239	Antenna Pattern Impact on MIMO OTA Testing. IEEE Transactions on Antennas and Propagation, 2013, 61, 5714-5723.	5.1	16
240	Compact antenna design for hand-held UHF RFID readers. , 2013, , .		0
241	Robust antenna concept for RFID tag applications. , 2013, , .		0
242	Group Delay of high Q antennas. , 2013, , .		5
243	3D gesture recognition using passive RFID tags. , 2013, , .		4
244	Novel Architecture for LTE World-Phones. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1676-1679.	4.0	24
245	The role of the propagation environment in RSS-based indoor positioning using mass market devices. , 2012, , .		3
246	Radio channel sounding using a circular horn antenna array in the horizontal plane in the 2.3 GHz band. , 2012, , .		1
247	Stochastic beamforming via compact antenna arrays. , 2012, , .		0
248	Directional space-time modulation: A novel approach for secured wireless communication. , 2012, , .		12
249	Orthogonal antenna architecture for MIMO handsets. , 2012, , .		2
250	Measurement Verification of Plane Wave Synthesis Technique Based on Multi-Probe MIMO-OTA Setup. , 2012, , .		13
251	Simulation and Measurement of Narrow-Band Antennas for Small Terminals. , 2012, , .		0
252	Impact of the handset form factor on inverted-F antennas performance. , 2012, , .		0

#	Article	IF	Citations
253	The Effect of the User's Body on High-Q and Low-Q Planar Inverted F Antennas for LTE Frequencies. , 2012, , .		4
254	Long-Range Channel Measurements on Small Terminal Antennas Using Optics. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2749-2758.	4.7	5
255	Correlation measurements on small mobile devices. , 2012, , .		3
256	Perturbation of near-field scan from connected cables. , 2012, , .		1
257	Orientation Sensing Using Multiple Passive RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 176-179.	4.0	13
258	On the currents magnitude of a tunable Planar-Inverted-F Antenna for low-band frequencies. , 2012, , .		2
259	Interference Helps to Equalize the Read Range and Reduce False Positives of Passive RFID Tags. IEEE Transactions on Industrial Electronics, 2012, 59, 4821-4830.	7.9	12
260	On Small Terminal Antenna Correlation and Impact on MIMO Channel Capacity. IEEE Transactions on Antennas and Propagation, 2012, 60, 689-699.	5.1	20
261	Antennas for next generation mobile communications. Elektrotechnik Und Informationstechnik, 2012, 129, 383-386.	1.1	0
262	Effect of beamforming on full and semi cooperative MIMO in real measured channels. , 2012, , .		0
263	Reverberation and Absorption in an Aircraft Cabin With the Impact of Passengers. IEEE Transactions on Antennas and Propagation, 2012, 60, 2472-2480.	5.1	40
264	Correlation Evaluation on Small LTE Handsets. , 2012, , .		4
265	Impact of probe placement error on MIMO OTA test zone performance. , 2012, , .		5
266	Analyzing capacity of cooperative MIMO using beamforming in measured channel data. , 2012, , .		1
267	Is there any exposure from a mobile phone in stand-by mode?. Electromagnetic Biology and Medicine, 2012, 31, 52-56.	1.4	7
268	User Influence on MIMO Channel Capacity for Handsets in Data Mode Operation. IEEE Transactions on Antennas and Propagation, 2012, 60, 633-643.	5.1	21
269	Influence of nearby obstacles on the feasibility of a Huygens box as a field source. , 2012, , .		7
270	Challenges for Frequency-Reconfigurable Antennas in Small Terminals. , 2012, , .		10

#	Article	IF	Citations
271	Coupling element antenna with slot tuning for handheld devices at LTE frequencies. , 2012, , .		3
272	A novel figure of merit for small multiantenna systems: The duplex isolation. , 2012, , .		2
273	The user's body effects on decoupling networks for compact MIMO handsets. , 2012, , .		0
274	Forward Scattering of Loaded and Unloaded Antennas. IEEE Transactions on Antennas and Propagation, 2012, 60, 5663-5668.	5.1	12
275	Multiple Antenna Systems With Inherently Decoupled Radiators. IEEE Transactions on Antennas and Propagation, 2012, 60, 503-515.	5.1	48
276	On the beamforming performance of large-scale antenna arrays. , 2012, , .		2
277	Portable MIMO-LTE antennas for different hand-held device sizes. , 2012, , .		0
278	Assessment of the usability of the workbench Faraday Cage Method. , 2011, , .		3
279	Future Vogues in Handset Antenna Systems. , 2011, , .		11
280	Small Device for Short-Range Antenna Measurements Using Optics. IEEE Antennas and Propagation Magazine, 2011, 53, 148-152.	1.4	4
281	Diffuse Scattering Model of Indoor Wideband Propagation. IEEE Transactions on Antennas and Propagation, 2011, 59, 3006-3012.	5.1	15
282	Spherical Horn Array for Wideband Propagation Measurements. IEEE Transactions on Antennas and Propagation, 2011, 59, 2654-2660.	5.1	18
283	Equivalent Circuit Model of a High Q Tunable PIFA. , 2011, , .		3
284	Tuning Range Optimization of a Planar Inverted F Antenna for the LTE Low Frequency Bands. , 2011, , .		7
285	Artificial Wideband Multi User Channels for Rural High Speed Vehicle to Vehicle Links. IEEE Journal on Selected Areas in Communications, 2011, 29, 29-36.	14.0	5
286	Potential of RFID Systems to Detect Object Orientation. , 2011, , .		11
287	Passive Component Network for Antenna Isolation in MIMO Systems for Handheld Terminals. , 2011, , .		1
288	Port Isolation Method for MIMO Antenna in Small Terminals for Next Generation Mobile Networks. , 2011, , .		7

#	Article	IF	Citations
289	No effect of TETRA hand portable transmission signals on human cognitive function and symptoms. Bioelectromagnetics, 2010, 31, 380-390.	1.6	16
290	Experimental investigation of a dual-band handset MIMO antenna using a spatial fading emulator. , 2010, , .		1
291	MIMO channel measurements using optical links on small mobile terminals. , 2010, , .		2
292	Calibration of a UWB Sub-Band Channel Model Using Simulated Annealing. IEEE Transactions on Antennas and Propagation, 2009, 57, 3439-3443.	5.1	16
293	Hand phantoms for browsing stance in mobile phones. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	2
294	User's Impact on PIFA Antennas in Mobile Phones. , 2009, , .		11
295	Characterization of the Indoor Multiantenna Body-to-Body Radio Channel. IEEE Transactions on Antennas and Propagation, 2009, 57, 972-979.	5.1	46
296	Doppler spectrum from moving scatterers in a random environment. IEEE Transactions on Wireless Communications, 2009, 8, 3270-3277.	9.2	44
297	Cognitive function and symptoms in adults and adolescents in relation to rf radiation from UMTS base stations. Bioelectromagnetics, 2008, 29, 257-267.	1.6	42
298	Cellular MIMO system performance versus base station element spacing. , 2008, , .		0
299	Outdoor Urban Propagation Experiment of a Handset MIMO Antenna with a Human Phantom Located in a Browsing Stance. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	4
300	On the Performance of Link Adaptation Techniques in MIMO Systems. Wireless Personal Communications, 2007, 42, 543-561.	2.7	9
301	Numerical modeling of a spherical array of monopoles using FDTD method. IEEE Transactions on Antennas and Propagation, 2006, 54, 1952-1963.	5.1	23
302	Characterization of the Indoor/Outdoor to Indoor MIMO Radio Channel at 2.140 GHz. Wireless Personal Communications, 2005, 35, 289-309.	2.7	13
303	Influence of Spherical Radiation Pattern Measurement Uncertainty on Handset Performance Measures. Wireless Personal Communications, 2005, 32, 9-22.	2.7	1
304	Diversity Properties of Multiantenna Small Handheld Terminals. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.7	7
305	Amplitude modulated RF fields stemming from a GSM/DCSâ€1800 phone. Wireless Networks, 1997, 3, 489-498.	3.0	23