

Kamal Sarabandi

List of Publications by Year in descending order

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253
docs citations

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times ranked

2626
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey of Small, Low-Frequency Antennas: Recent designs, practical challenges, and research directions. IEEE Antennas and Propagation Magazine, 2023, 65, 14-26.	1.4	3
2	Passive and Active Multiple Scattering of Forests Using Radiative Transfer Theory With an Iterative Approach and Cyclical Corrections. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	6.3	2
3	Characteristics of Space, Leaky, and Creeping Waves in a Uniaxial Dielectric Rod. IEEE Transactions on Antennas and Propagation, 2022, 70, 1824-1836.	5.1	3
4	Analysis of Hemispherical Dielectric Resonator Antenna With an Imperfect Concentric Conductor. IEEE Transactions on Antennas and Propagation, 2022, 70, 3173-3182.	5.1	3
5	Detection and Localization of Buried Pipelines Using a 3-D Multistatic Imaging Radar. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	5
6	Calibration of Wideband FMCW Polarimetric Radars Operating at Millimeter-Wave Frequencies. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	2
7	RFI Mitigation in Time Domain Wideband Autocorrelation Radiometry (WiBAR) Using a Comb Filter. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	1
8	Detection and Localization of Pipeline Leaks Using 3-D Bistatic Subsurface Imaging Radars. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	6.3	3
9	A Compact Vertically Polarized Fully Metallic Quasi-Yagi Antenna With High Endfire Gain. IEEE Transactions on Antennas and Propagation, 2022, 70, 5959-5964.	5.1	2
10	A Multiphysics Modeling of Electromagnetic Signaling Phenomena at kHz-GHz Frequencies in Bacterial Biofilms. IEEE Access, 2022, , 1-1.	4.2	3
11	A Low-Profile Dual-Band Dual-Polarized Quasi-Endfire Phased Array for mmWave 5G Smartphones. IEEE Access, 2022, 10, 38523-38533.	4.2	14
12	Experimental Evidence of Radio Frequency Radiation From <i>Staphylococcus aureus</i> Biofilms. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2022, 6, 420-428.	3.4	2
13	A Method for Signal Leakage Cancellation in Multistatic Subsurface SAR Imaging System. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	4
14	A Method for Detection of Flat Walls in Through-the-Wall SAR Imaging. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 2102-2106.	3.1	6
15	A Miniature Actively Matched Antenna for Power-Efficient and Bandwidth-Enhanced Operation at Low VHF. IEEE Transactions on Antennas and Propagation, 2021, 69, 556-561.	5.1	6
16	A Fast Full-Wave Simulation Method for Characterization of Deeply Buried Targets in Bistatic SAR Imaging. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1386-1390.	3.1	1
17	Probability Assessment of Rainfall-Induced Landslides Based on Safety Factors Using Soil Moisture Estimation From SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5579-5597.	6.3	2
18	Fully Coherent Electromagnetic Scattering Computation for Snowpacks Based on Statistical S-Matrix Approach. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6336-6345.	6.3	1

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19	Model-Based Estimation of Forest Canopy Height and Biomass in the Canadian Boreal Forest Using Radar, LiDAR, and Optical Remote Sensing. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4635-4653.	6.3	8
20	Four-dimensional relativistic scattering of electromagnetic waves from an arbitrary collection of moving lossy dielectric spheres. IET Microwaves, Antennas and Propagation, 2021, 15, 180-191.	1.4	1
21	Ultrawideband Characterization of Complex Dielectric Constant of Planar Materials for 5G Applications. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	7
22	Directivity enhancement and characteristics of space-wave, leaky-wave and creeping waves for an impedance cylinder coated with dielectric. IET Microwaves, Antennas and Propagation, 2021, 15, 192-205.	1.4	3
23	A Low-Complexity Time-Domain Method for a Fast and Accurate Measurement of Q-Factor and Resonant Frequency of RF and Microwave Resonators. IEEE Access, 2021, 9, 96478-96486.	4.2	1
24	Ultra-Wideband, Compact, and High-Gain Two-Port Antenna System for Full-Duplex Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 7173-7182.	5.1	5
25	Full-Wave Calculation of Complex Propagation Constant for a Medium of Conducting Wires. IEEE Transactions on Antennas and Propagation, 2021, 69, 3451-3458.	5.1	1
26	A Mechanical Antenna With Frequency Multiplication and Phase Modulation Capability. IEEE Transactions on Antennas and Propagation, 2021, 69, 3726-3739.	5.1	7
27	Sub-Millimeter-Wave Polarization-Independent Spatial Power Divider for a Two-Port Dual-Polarized Antenna. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 508-518.	3.1	6
28	Machine Learning-Based Target Classification for MMW Radar in Autonomous Driving. IEEE Transactions on Intelligent Vehicles, 2021, 6, 678-689.	12.7	27
29	Snowpack Remote Sensing using Wideband Long-Wavelength Microwave Radiometry. , 2021, , .		1
30	Calibration of a Wideband Autocorrelation Radiometer (WiBAR) Enhanced with a Comb Filter in Time Domain Mode. , 2021, , .		1
31	A Regenerative RF Sensing System for Detection of Weak Electromagnetic Radiation from Biofilms. , 2021, , .		0
32	A 230 GHz Orthomode Transducer with Simple Fabrication Steps. , 2021, , .		4
33	High-Resolution Range-Doppler Maps of Moving Targets in Traffic Scene. , 2021, , .		1
34	Polarimetric Backscatter Measurements of Road Surfaces at J-Band Frequencies for Standoff Road Condition Assessment. , 2021, , .		2
35	Low-Profile, Low-Frequency, UWB Antenna for Imaging of Deeply Buried Targets. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1168-1172.	3.1	25
36	Series-Fed Beam-Steerable Millimeter-Wave Antenna Design With Wide Spatial Coverage for 5G Mobile Terminals. IEEE Transactions on Antennas and Propagation, 2020, 68, 3366-3376.	5.1	41

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37	Unsupervised Multiregion Partitioning of Fully Polarimetric SAR Images With Advanced Fuzzy Active Contours. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1475-1486.	6.3	6
38	An Improved Fuzzy Region Competition-Based Framework for the Multiphase Segmentation of SAR Images. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2457-2470.	6.3	8
39	Electromagnetic Signaling and Quorum Sensing within Biofilms: Which Mechanism Is the Most Probable Means of Communication?. , 2020, 2020, 2459-2462.		3
40	Dual-Band High-Gain Planar Corrugated Antennas With Integrated Feeding Structure. IEEE Access, 2020, 8, 67075-67084.	4.2	4
41	Wideband Near-Zone Radiative System for Exploring the Existence of Electromagnetic Emission from Biological Samples. IEEE Transactions on Instrumentation and Measurement, 2020, , 1-1.	4.7	3
42	Design and Analysis of Corrugated Antennas Based on Surface Susceptance of a Single Cell of Corrugation. IEEE Transactions on Antennas and Propagation, 2020, 68, 5218-5227.	5.1	2
43	Retrieval of Snow or Ice Pack Thickness Variation Within a Footprint of Correlation Radiometers. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1218-1222.	3.1	3
44	A Novel Frequency Tunable RF Comb Filter. IEEE Microwave and Wireless Components Letters, 2020, 30, 1133-1136.	3.2	3
45	Fully Polarimetric E-Band Instrumentation Radar in Support of Autonomous Vehicle Research. , 2020, , .		9
46	High-Isolation Common-Aperture Antenna System Based on Spatial Power Divider for Use in E-Band Fully Polarimetric Radar. , 2020, , .		1
47	A Dual-band Dual-polarized 5G Antenna for Smartphones. , 2020, , .		3
48	Calibration of Wideband Autocorrelation Radiometer with a Comb Filter for RFI Mitigation. , 2020, , .		2
49	RFI Mitigation Using a New Comb Filter for Wideband Autocorrelation Radiometry. , 2020, , .		2
50	Error Estimation of the Measured Time Delay using Wideband Autocorrelation Radiometry. , 2020, , .		0
51	Improved Detection Techniques for New Millimeter Wave Automotive Radars. , 2020, , .		0
52	Series-Fed Dual-Polarized Single-Layer Linear Patch Array With High Polarization Purity. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1746-1750.	4.0	17
53	Permittivity Characterization of Automotive Paint Material at W-Band Frequencies. , 2019, , .		5
54	A Machine Learning Based 77 GHz Radar Target Classification for Autonomous Vehicles. , 2019, , .		15

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55	Circularly Polarized Cross-Tapered Bowtie Antenna for IR Polarimetry. IEEE Access, 2019, 7, 128263-128272.	4.2	3
56	Wideband Autocorrelation Radiometry for Lake Icepack Thickness Measurement With Dry Snow Cover. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1526-1530.	3.1	3
57	Physics-Based Modeling and Electromagnetic Scattering Computation for Snow-Packs. , 2019, , .		1
58	Non-Destructive Dielectric Constant Measurement of Low-Loss Dielectric Slabs Using Wideband Autocorrelation Radiometry. , 2019, , .		0
59	Wideband Near-Zone Radiative Signal Collector System for Detection of Electromagnetic Emission From Distributed Sources. , 2019, , .		0
60	Theory of Vertical Dipole Over a Dielectric-Coated Impedance Surface. , 2019, , .		0
61	A Method for Detection of Walls and Large Flat Surfaces in Through-the-Wall SAR Imaging. , 2019, , .		1
62	A Frequency Multiplier and Phase Modulation Approach for Mechanical Antennas Operating at Super Low Frequency (SLF) Band. , 2019, , .		10
63	A Compact Wideband Dual-polarized Millimeter Wave Antenna for 5G Smartphones. , 2019, , .		2
64	Theory of Electromagnetic-Based Communication within Bacterial Communities. , 2019, , .		6
65	High Resolution Subsurface 3D SAR Imaging Using Robotic Bi-Static Transceivers. , 2019, , .		8
66	Experimental Characterization of Multi-Polarization Radar Backscatter Response of Vehicles at $\{ \}$ -Band. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3337-3350.	8.0	15
67	All-Directions Through-the-Wall Imaging Using a Small Number of Moving Omnidirectional Bi-Static FMCW Transceivers. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 2618-2627.	6.3	24
68	Loop antenna over a conducting cone with a spherical cap. IET Microwaves, Antennas and Propagation, 2019, 13, 2559-2568.	1.4	2
69	A High-Isolation Two-Port Planar Antenna System for Communication and Radar Applications. IEEE Access, 2018, 6, 9951-9959.	4.2	11
70	Fragmented Antenna Realization Using Coupled Small Radiating Elements. IEEE Transactions on Antennas and Propagation, 2018, 66, 1725-1735.	5.1	8
71	Lake Icepack and Dry Snowpack Thickness Measurement Using Wideband Autocorrelation Radiometry. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1637-1651.	6.3	22
72	Superresolution DoA Estimation With Circular Arrays Using Signal Segregation Algorithm in Conjunction With a Nulls-Synthesis Method. IEEE Transactions on Antennas and Propagation, 2018, 66, 3108-3121.	5.1	9

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73	A Polarimetric Active Transponder With Extremely Large RCS for Absolute Radiometric Calibration of SMAP Radar. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 1269-1277.	6.3	11
74	Remembering Prof. Thomas B.A. Senior [In Memoriam]. IEEE Antennas and Propagation Magazine, 2018, 60, 136-137.	1.4	0
75	A Tunable, High-Gain, Very Low-Profile Composite Monopole Antenna for Low-Frequency Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 3286-3294.	5.1	14
76	Loop Excitation of a Conical Horn. IEEE Transactions on Antennas and Propagation, 2018, 66, 2727-2740.	5.1	1
77	High Resolution Subsurface Imaging of Buried Targets Using Distributed Robotic Sensors. , 2018, , .		4
78	A High-Gain Extremely Low-profile Antenna for Low-VHF Band Applications. , 2018, , .		0
79	Bandwidth Enhanced Low-VHF Communications with a Miniature Non-Foster Antenna. , 2018, , .		1
80	A Compact, Broadband, Two-Port Slot Antenna System for Full-Duplex Applications. , 2018, , .		4
81	Radar Backscatter Measurements of Road Surfaces at 77 GHz. , 2018, , .		8
82	Mechanical Antennas: Emerging Solution for Very-Low Frequency (VLF) Communication. , 2018, , .		13
83	Effect of the Surface Roughness of the Water and Ice Boundary on Lake Icepack Thickness Measurement Using Wideband Autocorrelation Radiometry. , 2018, , .		0
84	Characteristics of a Monopole Antenna in the Vicinity of a Grounded Cylindrical Stratified Media. , 2018, , .		0
85	Wideband Autocorrelation Radiometer Receiver for Rapid Thickness Measurement of Dry Snowpack and Lake Icepack. , 2018, , .		0
86	Effect of a Thin DRY Snow Layer on the Lake ICE Thickness Measurement using Wideband Autocorrelation Radiometry. , 2018, , .		3
87	A Phenomenological Study of Radar Backscatter Response of Vehicles for the Next Generation Automotive Radars. , 2018, , .		1
88	Reduction of the Ground Reflection Effect on an L-Band Polarimetric Active Radar Calibrator for Airborne and Spaceborne Calibration. , 2018, , .		0
89	A W-Shaped Antenna With Spatial Polarization Variation for Direction Finding. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2429-2433.	4.0	6
90	Excitation of Space Wave, Leaky Wave, and Creeping Waves in Cylindrical Media. IEEE Transactions on Antennas and Propagation, 2018, 66, 7100-7110.	5.1	7

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91	A Sub-THz Rectangular Waveguide Phase Shifter Using Piezoelectric-Based Tunable Artificial Magnetic Conductor. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 666-680.	3.1	10
92	A Novel Frequency Beam-Steering Antenna Array for Submillimeter-Wave Applications. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 654-665.	3.1	47
93	Function-Reconfigurable Between SPDT Switch and Power Divider Based on Switchable HMSIW Unit. IEEE Microwave and Wireless Components Letters, 2017, 27, 275-277.	3.2	21
94	A Compact Single Conductor Transmission Line Launcher for Telemetry in Borehole Drilling. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 2674-2681.	6.3	9
95	A Submillimeter-Wave Near-Field Measurement Setup for On-Wafer Pattern and Gain Characterization of Antennas and Arrays. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 802-811.	4.7	20
96	A Low-Profile, High-Gain, and Full-Band SubArray of Cavity-Backed Slot Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 3456-3464.	5.1	19
97	Vehicular Optically Transparent UHF Antenna for Terrestrial Communication. IEEE Transactions on Antennas and Propagation, 2017, 65, 3942-3949.	5.1	20
98	A Wideband Circularly Polarized Omnidirectional Antenna Based on Excitation of Two Orthogonal Circular TE ₂₁ Modes. IEEE Transactions on Antennas and Propagation, 2017, 65, 3877-3888.	5.1	20
99	Pattern and Gain Characterization Using Nonintrusive Very-Near-Field Electro-Optical Measurements Over Arbitrary Closed Surfaces. IEEE Transactions on Antennas and Propagation, 2017, 65, 489-497.	5.1	17
100	Low-Power Low-VHF Ad-Hoc Networking in Complex Environments. IEEE Access, 2017, 5, 24120-24127.	4.2	22
101	All directions through the wall imaging using omnidirectional bi-static FMCW transceivers. , 2017, , .		1
102	An Accurate Circuit Model for Input Impedance and Radiation Pattern of Two-Port Loop Antennas as E- and H-Probe. IEEE Transactions on Antennas and Propagation, 2017, 65, 114-120.	5.1	19
103	Electromagnetic scattering full-wave solver for snowpacks. , 2017, , .		5
104	An overview of low profile miniaturized antennas for low frequency applications. , 2017, , .		1
105	A nulls synthesis method for high-resolution DoA estimation in MIMO systems. , 2017, , .		0
106	Fully polarimetric FMCW instrumentation radar at 228 GHz. , 2017, , .		5
107	Near-grazing radar backscattering measurements of road surfaces at 222 GHz. , 2017, , .		2
108	A Non-Foster matched dipole for a low-vhf mobile transmitter system. , 2017, , .		6

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109	Parasitic antennas for small metallic platforms. , 2017, , .		1
110	Full-spherical radiation pattern evaluation of low frequency antennas using a novel very-near-field electro-optical system. , 2016, , .		1
111	HF/VHF antenna characterization from very-near-field measurements over arbitrary closed surfaces. , 2016, , .		2
112	All-Directions Through-the-Wall Radar Imaging Using a Small Number of Moving Transceivers. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 6415-6428.	6.3	36
113	A LS-SVM-based classifier with Fruit Fly Optimization Algorithm for polarimetric SAR images. , 2016, , .		4
114	A compact, low-power, low-VHF radio for mobile and wireless communication applications. , 2016, , .		2
115	A horizontally polarized beam-steerable antenna for sub-millimeter-wave polarimetric imaging and collision avoidance radars. , 2016, , .		4
116	Broadband omni-directional circularly polarized antenna based on vertically and horizontally polarized elements. , 2016, , .		3
117	Antenna bandwidth enhancement using near-field coupled miniaturized elements. , 2016, , .		2
118	Remote sensing using coherent multipath interference of wideband planck radiation. , 2016, , .		4
119	A compact single conductor transmission line launcher for telemetry in borehole drilling process. , 2016, , .		1
120	Dry snowpack and freshwater icepack remote sensing using wideband Autocorrelation radiometry. , 2016, , .		5
121	Electromagnetic scattering from a 3D random volume using SSWaP-SD method for radar remote sensing of snow. , 2016, , .		7
122	A New Year for Success President's Message. IEEE Geoscience and Remote Sensing Magazine, 2016, 4, 4-4.	9.6	0
123	Wideband Directional Channel Characterization for Multiuser MIMO Systems Over a Random Rough Dielectric Ground. IEEE Transactions on Wireless Communications, 2016, 15, 3103-3113.	9.2	6
124	A Compact Broadband Horizontally Polarized Omnidirectional Antenna Using Planar Folded Dipole Elements. IEEE Transactions on Antennas and Propagation, 2016, 64, 414-422.	5.1	53
125	Experimental Characterization of Polarimetric Radar Backscatter Response of Distributed Targets at High Millimeter-Wave Frequencies. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 1013-1024.	6.3	17
126	Electrically Small Folded Dipole Antenna for HF and Low-VHF Bands. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 718-721.	4.0	46

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127	A compact, wideband array of coupled quarter-wavelength slot antennas for the 700 MHz band. , 2015, , .		1
128	A novel method for chip integration and packaging for millimeter-wave to terahertz band applications. , 2015, , .		2
129	Performance assessment of lower VHF band for short-range communication and geolocation applications. Radio Science, 2015, 50, 443-452.	1.6	33
130	Short-Range Low-VHF Channel Characterization in Cluttered Environments. IEEE Transactions on Antennas and Propagation, 2015, 63, 2719-2727.	5.1	38
131	Experimental characterization of the radar backscatter response of natural surfaces at 222 GHz. , 2015, , .		0
132	Dual Polarized Wideband Directional Coupled Sectorial Loop Antennas for Radar and Mobile Base-Station Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 1505-1513.	5.1	36
133	Field of a short dipole above a dielectric half-space with rough interface. IET Microwaves, Antennas and Propagation, 2015, 9, 31-40.	1.4	0
134	Sub-Terahertz Dielectric Measurement and Its Application to Concealed Object Detection. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 445-455.	3.1	9
135	Miniaturized Omnidirectional Horizontally Polarized Antenna. IEEE Transactions on Antennas and Propagation, 2015, 63, 4280-4285.	5.1	26
136	Microwave Backscatter From Arctic Lake Ice and Polarimetric Implications. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5972-5982.	6.3	46
137	Microfabricaion and measurement of a sub-millimeterwave beam-scanning antenna array at Y-band. , 2014, , .		4
138	All-directions through the wall radar imaging using a synthetic array formed by a finite number of Moving Robots. , 2014, , .		1
139	Simulation of Wave Propagation in 2D sparse random media at millimeterwave frequencies. , 2014, , .		0
140	Lightweight, Conformal Antennas for Robotic Flapping Flyers. IEEE Antennas and Propagation Magazine, 2014, 56, 29-40.	1.4	7
141	Reactive Impedance Surface TM Mode Slow Wave for Patch Antenna Miniaturization [AMTA Corner]. IEEE Antennas and Propagation Magazine, 2014, 56, 279-293.	1.4	19
142	Efficient nanoantenna simulation for IR energy harvesting and detection devices. , 2014, , .		0
143	Long distance wave propagation through rain at high millimeter-wave frequencies. , 2014, , .		0
144	Highly miniaturized low-VHF folded dipole antenna for compact, mobile communication applications. , 2014, , .		0

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145	A novel frequency beam-steering antenna array at Y-band. , 2014, , .		3
146	SAR resolution degradation estimation operating in sparse random media at millimeter-wave frequencies. , 2014, , .		0
147	High-Resolution Subsurface Imaging of Deeply Submerged Targets Based on Distributed Near-Ground Sensors. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 1089-1098.	6.3	15
148	Polarimetric Study of MMW Imaging Radars for Indoor Navigation and Mapping. IEEE Transactions on Antennas and Propagation, 2014, 62, 500-504.	5.1	73
149	Wave-propagation management in indoor environments using micro-radio-repeater systems. IEEE Antennas and Propagation Magazine, 2014, 56, 76-88.	1.4	16
150	Reflectarray antenna based on grounded loop-wire miniaturised-element frequency selective surfaces. IET Microwaves, Antennas and Propagation, 2014, 8, 973-979.	1.4	21
151	3-D direction finding using a single antenna. , 2014, , .		1
152	A Non-Contact Submillimeter-Wave S-Parameters Measurement Technique for Multiport Micromachined Devices. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 338-346.	3.1	10
153	Low Profile Vertically Polarized Omnidirectional Wideband Antenna With Capacitively Coupled Parasitic Elements. IEEE Transactions on Antennas and Propagation, 2014, 62, 977-982.	5.1	29
154	A Non-Contact Waveguide Probe for On-Wafer S -Parameter Measurements for Submillimeter-Wave to Terahertz Band. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 515-522.	3.1	11
155	A sub-millimeterwave micromachined frequency beam-steering antenna array. , 2014, , .		3
156	A Simultaneous Dual-Channel Micro-Radio-Repeater for Ad-Hoc Wireless Communication. IEEE Transactions on Antennas and Propagation, 2014, 62, 3378-3383.	5.1	7
157	Extremely Small Two-Element Monopole Antenna for HF Band Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 2991-2999.	5.1	51
158	Y-band radar assessment for indoor navigation and mapping. , 2013, , .		1
159	Design optimization of bowtie nanoantenna for high-efficiency thermophotovoltaics. , 2013, , .		1
160	High efficient bowtie nanoantenna for thermophotovoltaic cells. , 2013, , .		0
161	Compact low profile common aperture polarization and pattern diversity antennas. , 2013, , .		0
162	Design optimization of bowtie nanoantenna for high-efficiency thermophotovoltaics. Journal of Applied Physics, 2013, 114, .	2.5	13

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163	ENVELOP Antenna: A Class of Very Low Profile UWB Directive Antennas for Radar and Communication Diversity Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 1055-1062.	5.1	21
164	A Topology-Based Miniaturization of Circularly Polarized Patch Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 1422-1426.	5.1	26
165	Performance analysis of a common aperture antenna diversity system. , 2013, , .		2
166	Indoor wave propagation simulations at HF using rayleigh-gans approximation. , 2013, , .		2
167	Near-ground wave propagation measurements at VHF ISM band. , 2013, , .		0
168	An extremely low-profile MF monopole antenna design and measurement. , 2013, , .		0
169	Dielectric characterization of thin materials at 240 GHz. , 2013, , .		4
170	Super-miniaturized MF antenna for borehole. , 2013, , .		0
171	Ridge waveguide probe for estimation of the scattering parameters of a device at millimeter- and sub-millimeter-wave frequencies. , 2013, , .		0
172	Conformal, structurally integrated antenna with a thin-film solar cell array for flapping-wing robots. , 2013, , .		2
173	Design of radio repeater system using a near-field cancellation technique. , 2012, , .		0
174	A moderate gain extremely short HF monopole antenna. , 2012, , .		2
175	RCS analysis of tree trunk above rough surface using reaction theorem. , 2012, , .		1
176	A high resolution radar with programmable waveform for applications at VHF and UHF bands. , 2012, , .		0
177	Miniaturized Radio Repeater for Enhanced Wireless Connectivity of Ad-Hoc Networks. IEEE Transactions on Antennas and Propagation, 2012, 60, 3913-3920.	5.1	13
178	Equivalent Circuit Model for Metamaterial-Based Electromagnetic Band-Gap Isolator. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1366-1369.	4.0	9
179	Batch-Fabricated High-Power RF Microrelays With Direct On-PCB Packages. Journal of Microelectromechanical Systems, 2012, 21, 990-1001.	2.5	6
180	Millimeter-Wave Doppler Spectrum and Polarimetric Response of Walking Bodies. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 2866-2879.	6.3	32

#	ARTICLE	IF	CITATIONS
181	An All-Metal Micro-Relay With Bulk Foil Pt–Rh Contacts for High-Power RF Applications. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1595-1604.	4.6	7
182	Low Profile, Miniaturized, Inductively Coupled Capacitively Loaded Monopole Antenna. IEEE Transactions on Antennas and Propagation, 2012, 60, 1206-1213.	5.1	57
183	2.5D Micromachined 240 GHz Cavity-Backed Coplanar Waveguide to Rectangular Waveguide Transition. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 315-322.	3.1	23
184	Miniaturized-Element Frequency Selective Surfaces for Millimeter-Wave to Terahertz Applications. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 333-339.	3.1	48
185	Radiation efficiency assessment of bundled carbon nanotube antenna at terahertz frequency range. , 2011, , .		0
186	UWB High-Isolation Directive Coupled-Sectorial-Loops Antenna Pair. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 215-218.	4.0	5
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