

Kamal Sarabandi

List of Publications by Year in descending order

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253
papers

3,494
citations

186265

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182427

51
g-index

253
all docs

253
docs citations

253
times ranked

2626
citing authors

#	ARTICLE	IF	CITATIONS
1	Michigan microwave canopy scattering model. International Journal of Remote Sensing, 1990, 11, 1223-1253.	2.9	679
2	A Synthesis Method for Dual-Passband Microwave Filters. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1163-1170.	4.6	136
3	Special Issue on Remote Sensing of Building Interior. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1267-1268.	6.3	98
4	Multipole Spatial Filters Using Metamaterial-Based Miniaturized-Element Frequency-Selective Surfaces. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2742-2747.	4.6	81
5	A Tunable Metamaterial Frequency-Selective Surface With Variable Modes of Operation. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1433-1438.	4.6	80
6	Polarimetric Study of MMW Imaging Radars for Indoor Navigation and Mapping. IEEE Transactions on Antennas and Propagation, 2014, 62, 500-504.	5.1	73
7	Low-Profile, Multi-Element, Miniaturized Monopole Antenna. IEEE Transactions on Antennas and Propagation, 2009, 57, 72-80.	5.1	65
8	Design and Analysis of a Tunable Miniaturized-Element Frequency-Selective Surface Without Bias Network. IEEE Transactions on Antennas and Propagation, 2010, 58, 1214-1219.	5.1	65
9	Design of Triple-Passband Microwave Filters Using Frequency Transformations. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 187-193.	4.6	64
10	Tuning Performance of Metamaterial-Based Frequency Selective Surfaces. IEEE Transactions on Antennas and Propagation, 2009, 57, 590-592.	5.1	64
11	Low Profile, Miniaturized, Inductively Coupled Capacitively Loaded Monopole Antenna. IEEE Transactions on Antennas and Propagation, 2012, 60, 1206-1213.	5.1	57
12	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
13	Extremely Small Two-Element Monopole Antenna for HF Band Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 2991-2999.	5.1	51
14	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
15	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
16	Microwave Backscatter From Arctic Lake Ice and Polarimetric Implications. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5972-5982.	6.3	46
17	Electrically Small Folded Dipole Antenna for HF and Low-VHF Bands. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 718-721.	4.0	46
18	A Physics-Based Statistical Model for Wave Propagation Through Foliage. IEEE Transactions on Antennas and Propagation, 2007, 55, 958-968.	5.1	41

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19	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
20	Low Profile Miniaturized Planar Antenna With Omnidirectional Vertically Polarized Radiation. IEEE Transactions on Antennas and Propagation, 2008, 56, 1533-1540.	5.1	40
21	Short-Range Low-VHF Channel Characterization in Cluttered Environments. IEEE Transactions on Antennas and Propagation, 2015, 63, 2719-2727.	5.1	38
22	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
23	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
24	Miniaturized FSS and Patch Antenna Array Coupling for Angle-Independent, High-Order Spatial Filtering. IEEE Microwave and Wireless Components Letters, 2010, 20, 79-81.	3.2	33
25	Performance assessment of lower VHF band for short-range communication and geolocation applications. Radio Science, 2015, 50, 443-452.	1.6	33
26	Millimeter-Wave Doppler Spectrum and Polarimetric Response of Walking Bodies. IEEE Transactions on Geoscience and Remote Sensing, 2012, 50, 2866-2879.	6.3	32
27	A 2-Bit Ka-Band RF MEMS Frequency Tunable Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 179-182.	4.0	30
28	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
29	Machine Learning-Based Target Classification for MMW Radar in Autonomous Driving. IEEE Transactions on Intelligent Vehicles, 2021, 6, 678-689.	12.7	27
30	A Topology-Based Miniaturization of Circularly Polarized Patch Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 1422-1426.	5.1	26
31	Miniaturized Omnidirectional Horizontally Polarized Antenna. IEEE Transactions on Antennas and Propagation, 2015, 63, 4280-4285.	5.1	26
32	Study of Millimeter-Wave Radar for Helicopter Assisted-Landing System. IEEE Antennas and Propagation Magazine, 2008, 50, 13-25.	1.4	25
33	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
34	Dual-Polarized Coupled Sectorial Loop Antennas for UWB Applications. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 75-78.	4.0	24
35	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
36	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

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37	Mapping of Sand Layer Thickness in Deserts Using SAR Interferometry. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 3550-3559.	6.3	22
38	Low-Power Low-VHF Ad-Hoc Networking in Complex Environments. IEEE Access, 2017, 5, 24120-24127.	4.2	22
39	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
40	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
41	Reflectarray antenna based on grounded loop-wire miniaturised element frequency selective surfaces. IET Microwaves, Antennas and Propagation, 2014, 8, 973-979.	1.4	21
42	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
43	A 2.45-GHz Electrically Small Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 346-348.	4.0	20
44	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
45	Vehicular Optically Transparent UHF Antenna for Terrestrial Communication. IEEE Transactions on Antennas and Propagation, 2017, 65, 3942-3949.	5.1	20
46	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
47	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
48	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
49	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
50	Simulation of a periodic dielectric corrugation with an equivalent anisotropic layer. Journal of Infrared, Millimeter and Terahertz Waves, 1990, 11, 1303-1321.	0.6	17
51	Study of millimeter-wave radar for helicopter assisted landing system. , 2007, , .		17
52	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
53	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
54	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

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55	Wave-propagation management in indoor environments using micro-radio-repeater systems. IEEE Antennas and Propagation Magazine, 2014, 56, 76-88.	1.4	16
56	Analytical, numerical, and experimental methods for through-the-wall radar imaging. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	15
57	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
58	A Machine Learning Based 77 GHz Radar Target Classification for Autonomous Vehicles. , 2019, , .		15
59	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
60	An Approximate Solution of Scattering From Reinforced Concrete Walls. IEEE Transactions on Antennas and Propagation, 2008, 56, 2681-2690.	5.1	14
61	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
62	A Low-Profile Dual-Band Dual-Polarized Quasi-Endfire Phased Array for mmWave 5G Smartphones. IEEE Access, 2022, 10, 38523-38533.	4.2	14
63	Simulation of Near-Ground Long-Distance Radiowave Propagation Over Terrain Using Nyström Method With Phase Extraction Technique and FMM-Acceleration. IEEE Transactions on Antennas and Propagation, 2009, 57, 3882-3890.	5.1	13
64	Miniaturized Radio Repeater for Enhanced Wireless Connectivity of Ad-Hoc Networks. IEEE Transactions on Antennas and Propagation, 2012, 60, 3913-3920.	5.1	13
65	Design optimization of bowtie nanoantenna for high-efficiency thermophotovoltaics. Journal of Applied Physics, 2013, 114, .	2.5	13
66	Mechanical Antennas: Emerging Solution for Very-Low Frequency (VLF) Communication. , 2018, , .		13
67	Directive Coupled Sectorial Loops Antenna for Ultrawideband Applications. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 576-579.	4.0	11
68	Synthesizing microwave resonator filters. IEEE Microwave Magazine, 2009, 10, 57-65.	0.8	11
69	A Non-Contact Waveguide Probe for On-Wafer $\< \>$ Parameter Measurements for Submillimeter-Wave to Terahertz Band. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 515-522.	3.1	11
70	A High-Isolation Two-Port Planar Antenna System for Communication and Radar Applications. IEEE Access, 2018, 6, 9951-9959.	4.2	11
71	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
72	Alleviating the Adverse Effects of Residual Stress in RF MEMS Switches. , 2001, , .		10

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73	NASA Cold Land Processes Experiment (CLPX 2002/03): Local Scale Observation Site. Journal of Hydrometeorology, 2008, 9, 1434-1442.	1.9	10
74	A Non-Contact Submillimeter-Wave SSS-Parameters Measurement Technique for Multiport Micromachined Devices. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 338-346.	3.1	10
75	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
76	A Frequency Multiplier and Phase Modulation Approach for Mechanical Antennas Operating at Super Low Frequency (SLF) Band. , 2019, , .		10
77	A tunable, band-pass, miniaturized-element frequency selective surface: Design and measurement. , 2007, , .		9
78	Equivalent Circuit Model for Metamaterial-Based Electromagnetic Band-Gap Isolator. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1366-1369.	4.0	9
79	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
80	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
81	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
82	Fully Polarimetric E-Band Instrumentation Radar in Support of Autonomous Vehicle Research. , 2020, , .		9
83	Electromagnetic scattering from vibrating penetrable objects using a general class of time-varying sheet boundary conditions. IEEE Transactions on Antennas and Propagation, 2006, 54, 2054-2061.	5.1	8
84	A 94 GHz OFDM Frequency Scanning Radar for Autonomous Landing Guidance. IEEE National Radar Conference - Proceedings, 2007, , .	0.0	8
85	Fragmented Antenna Realization Using Coupled Small Radiating Elements. IEEE Transactions on Antennas and Propagation, 2018, 66, 1725-1735.	5.1	8
86	Radar Backscatter Measurements of Road Surfaces at 77 GHz. , 2018, , .		8
87	High Resolution Subsurface 3D SAR Imaging Using Robotic Bi-Static Transceivers. , 2019, , .		8
88	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
89	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
90	Optimum Polarizations for Discrimination of a Foliage-Camouflaged Target, Using Genetic Algorithms. IEEE Geoscience and Remote Sensing Letters, 2009, 6, 82-86.	3.1	7

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91	Compact FMCW design for short range millimeter-wave radar imaging applications. , 2011, , .		7
92	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
93	Lightweight, Conformal Antennas for Robotic Flapping Flyers. IEEE Antennas and Propagation Magazine, 2014, 56, 29-40.	1.4	7
94	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
95	Electromagnetic scattering from a 3D random volume using SSWaP-SD method for radar remote sensing of snow. , 2016, , .		7
96	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
97	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
98	A Mechanical Antenna With Frequency Multiplication and Phase Modulation Capability. IEEE Transactions on Antennas and Propagation, 2021, 69, 3726-3739.	5.1	7
99	Monte-Carlo simulation of electromagnetic scattering from a heterogeneous two-component medium. IEEE Transactions on Antennas and Propagation, 1995, 43, 1048-1057.	5.1	6
100	Radio wave propagation in the presence of a coastline. Radio Science, 2003, 38, n/a-n/a.	1.6	6
101	A Miniaturized Conductor-Backed Slot-Line Resonator Filter With Two Transmission Zeros. IEEE Microwave and Wireless Components Letters, 2006, 16, 660-662.	3.2	6
102	A low-profile omnidirectional planar antenna with vertical polarization employing two in-phase elements. , 2011, , .		6
103	Batch-Fabricated High-Power RF Microrelays With Direct On-PCB Packages. Journal of Microelectromechanical Systems, 2012, 21, 990-1001.	2.5	6
104	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
105	A Non-Foster matched dipole for a low-vhf mobile transmitter system. , 2017, , .		6
106	A W-Shaped Antenna With Spatial Polarization Variation for Direction Finding. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2429-2433.	4.0	6
107	Theory of Electromagnetic-Based Communication within Bacterial Communities. , 2019, , .		6
108	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

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109	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
110	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
111	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
112	Microwave propagation constant for a vegetation canopy at X band. Radio Science, 1993, 28, 549-558.	1.6	5
113	Phased array of large reflectors for deep-space communication. IEEE Transactions on Aerospace and Electronic Systems, 2007, 43, 251-261.	4.7	5
114	Measurements Corner - Validation of Wireless Channel Models Using a Scaled mm-Wave Measurement System. IEEE Antennas and Propagation Magazine, 2007, 49, 124-134.	1.4	5
115	Design of FMCW millimeter-wave radar for helicopter assisted landing. , 2007, , .		5
116	Optimally designed membrane-supported grounded CPW structure for submillimeter-wave applications. , 2009, , .		5
117	Topography of sand covered bedrock using two-frequency airborne interferometric SAR measurements. , 2009, , .		5
118	UWB High-Isolation Directive Coupled-Sectorial-Loops Antenna Pair. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 215-218.	4.0	5
119	Dry snowpack and freshwater icepack remote sensing using wideband Autocorrelation radiometry. , 2016, , .		5
120	Electromagnetic scattering full-wave solver for snowpacks. , 2017, , .		5
121	Fully polarimetric FMCW instrumentation radar at 228 GHz. , 2017, , .		5
122	Permittivity Characterization of Automotive Paint Material at W-Band Frequencies. , 2019, , .		5
123	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
124	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
125	Refocusing through building walls using synthetic aperture radar. , 2007, , .		4
126	An efficient model for near-ground wave propagation in the presence of building walls/indoor obstacles. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	4

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127	Antenna embedded in metallic structures with high isolation. , 2009, , .		4
128	Ground Array Calibration using Lunar InSAR Imagery. IEEE Transactions on Aerospace and Electronic Systems, 2010, 46, 1589-1608.	4.7	4
129	Dielectric characterization of thin materials at 240 GHz. , 2013, , .		4
130	Microfabricaion and measurement of a sub-millimeterwave beam-scanning antenna array at Y-band. , 2014, , .		4
131	A LS-SVM-based classifier with Fruit Fly Optimization Algorithm for polarimetric SAR images. , 2016, , .		4
132	A horizontally polarized beam-steerable antenna for sub-millimeter-wave polarimetric imaging and collision avoidance radars. , 2016, , .		4
133	Remote sensing using coherent multipath interference of wideband planck radiation. , 2016, , .		4
134	High Resolution Subsurface Imaging of Buried Targets Using Distributed Robotic Sensors. , 2018, , .		4
135	A Compact, Broadband, Two-Port Slot Antenna System for Full-Duplex Applications. , 2018, , .		4
136	Dual-Band High-Gain Planar Corrugated Antennas With Integrated Feeding Structure. IEEE Access, 2020, 8, 67075-67084.	4.2	4
137	A 230 GHz Orthomode Transducer with Simple Fabrication Steps. , 2021, , .		4
138	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
139	Refocusing through single layer building wall using synthetic aperture radar. , 2007, , .		3
140	A compact directional coupled slot antenna for ultra-wideband applications. , 2008, , .		3
141	A Self-Aligned Fabrication Process for Capacitive Fixed-Fixed Beam RF MEMS Components. Journal of Microelectromechanical Systems, 2008, 17, 747-754.	2.5	3
142	Compact high-isolation directive UWB transmit/receive antenna pair for radar applications. , 2009, , .		3
143	Suppression of the mutual coupling between two adjacent miniaturized antennas utilizing printed resonant circuits. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3
144	Simulation and measurement of near-ground wave propagation for indoor scenarios. , 2010, , .		3

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145	A novel frequency beam-steering antenna array at Y-band. , 2014, , .		3
146	A sub-millimeterwave micromachined frequency beam-steering antenna array. , 2014, , .		3
147	Broadband omni-directional circularly polarized antenna based on vertically and horizontally polarized elements. , 2016, , .		3
148	Effect of a Thin DRY Snow Layer on the Lake ICE Thickness Measurement using Wideband Autocorrelation Radiometry. , 2018, , .		3
149	Circularly Polarized Cross-Tapered Bowtie Antenna for IR Polarimetry. IEEE Access, 2019, 7, 128263-128272.	4.2	3
150	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
151	Electromagnetic Signaling and Quorum Sensing within Biofilms: Which Mechanism Is the Most Probable Means of Communication?. , 2020, 2020, 2459-2462.		3
152	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
153	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
154	Directivity enhancement and characteristics of spaceâ€wave, leakyâ€wave and creepingâ€waves for an impedance cylinder coated with dielectric. IET Microwaves, Antennas and Propagation, 2021, 15, 192-205.	1.4	3
155	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
156	A Novel Frequency Tunable RF Comb Filter. IEEE Microwave and Wireless Components Letters, 2020, 30, 1133-1136.	3.2	3
157	A Dual-band Dual-polarized 5G Antenna for Smartphones. , 2020, , .		3
158	Analysis of Hemispherical Dielectric Resonator Antenna With an Imperfect Concentric Conductor. IEEE Transactions on Antennas and Propagation, 2022, 70, 3173-3182.	5.1	3
159	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
160	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
161	A Multiphysics Modeling of Electromagnetic Signaling Phenomena at kHz-GHz Frequencies in Bacterial Biofilms. IEEE Access, 2022, , 1-1.	4.2	3
162	Multi-layer miniaturized-element frequency selective surfaces. , 2008, , .		2

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163	A metamaterial frequency-selective superstrate for phased-array applications. , 2009, , .		2
164	A metamaterial-based spatial filter for phased-array applications. , 2009, , .		2
165	Soil dielectric and sensitivity analysis for subsurface imaging applications based on distributed Sensor Networks. , 2010, , .		2
166	Design of efficient terahertz antennas: Carbon nanotube versus gold. , 2010, , .		2
167	A novel high gain low profile miniaturized vertically polarized antenna. , 2010, , .		2
168	Closed-Loop Feed Architectures for RCS Beam Broadening of Retro-Reflective Arrays. IEEE Transactions on Antennas and Propagation, 2011, 59, 4350-4354.	5.1	2
169	A moderate gain extremely short HF monopole antenna. , 2012, , .		2
170	Performance analysis of a common aperture antenna diversity system. , 2013, , .		2
171	Indoor wave propagation simulations at HF using rayleigh-gans approximation. , 2013, , .		2
172	Conformal, structurally integrated antenna with a thin-film solar cell array for flapping-wing robots. , 2013, , .		2
173	A novel method for chip integration and packaging for millimeter-wave to terahertz band applications. , 2015, , .		2
174	HF/VHF antenna characterization from very-near-field measurements over arbitrary closed surfaces. , 2016, , .		2
175	A compact, low-power, low-VHF radio for mobile and wireless communication applications. , 2016, , .		2
176	Antenna bandwidth enhancement using near-field coupled miniaturized elements. , 2016, , .		2
177	Near-grazing radar backscattering measurements of road surfaces at 222 GHz. , 2017, , .		2
178	A Compact Wideband Dual-polarized Millimeter Wave Antenna for 5G Smartphones. , 2019, , .		2
179	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
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