

Ronan Sauleau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1202230/publications.pdf>

Version: 2024-02-01

536
papers

9,648
citations

38742
50
h-index

69250
77
g-index

538
all docs

538
docs citations

538
times ranked

4755
citing authors

#	ARTICLE	IF	CITATIONS
1	Wideband 400-Element Electronically Reconfigurable Transmitarray in X-Band. IEEE Transactions on Antennas and Propagation, 2013, 61, 5017-5027.	5.1	242
2	Wideband Low-Loss Linear and Circular Polarization Transmit-Arrays in V-Band. IEEE Transactions on Antennas and Propagation, 2011, 59, 2513-2523.	5.1	220
3	A Compact UWB Antenna for On-Body Applications. IEEE Transactions on Antennas and Propagation, 2011, 59, 1123-1131.	5.1	217
4	Multi-Beam Multi-Layer Leaky-Wave SIW Pillbox Antenna for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2011, 59, 1093-1100.	5.1	215
5	Millimeter-wave interactions with the human body: state of knowledge and recent advances. International Journal of Microwave and Wireless Technologies, 2011, 3, 237-247.	1.9	187
6	Circularly-Polarized Reconfigurable Transmitarray in Ka-Band With Beam Scanning and Polarization Switching Capabilities. IEEE Transactions on Antennas and Propagation, 2017, 65, 529-540.	5.1	186
7	1-Bit Reconfigurable Unit Cell Based on PIN Diodes for Transmit-Array Applications in X-Band. IEEE Transactions on Antennas and Propagation, 2012, 60, 2260-2269.	5.1	170
8	Dual-Layer Ridged Waveguide Slot Array Fed by a Butler Matrix With Sidelobe Control in the 60-GHz Band. IEEE Transactions on Antennas and Propagation, 2015, 63, 3857-3867.	5.1	147
9	Design and Characterization of 60-GHz Integrated Lens Antennas Fabricated Through Ceramic Stereolithography. IEEE Transactions on Antennas and Propagation, 2010, 58, 2757-2762.	5.1	118
10	Antennas and Propagation for Body-Centric Wireless Communications at Millimeter-Wave Frequencies: A Review [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2013, 55, 262-287.	1.4	114
11	Wearable Endfire Textile Antenna for On-Body Communications at 60 GHz. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 799-802.	4.0	106
12	Performance of reduced size substrate lens antennas for Millimeter-wave communications. IEEE Transactions on Antennas and Propagation, 2005, 53, 1278-1286.	5.1	105
13	Multibeam SIW Slotted Waveguide Antenna System Fed by a Compact Dual-Layer Rotman Lens. IEEE Transactions on Antennas and Propagation, 2016, 64, 504-514.	5.1	102
14	Continuous Transverse Stub Array for Ka-Band Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 4792-4800.	5.1	99
15	A new accurate design method for millimeter-wave homogeneous dielectric substrate lens antennas of arbitrary shape. IEEE Transactions on Antennas and Propagation, 2005, 53, 1069-1082.	5.1	94
16	Polydimethylsiloxane membranes for millimeter-wave planar ultra flexible antennas. Journal of Micromechanics and Microengineering, 2006, 16, 2389-2395.	2.6	93
17	Optical Theorem Helps Understand Thresholds of Lasing in Microcavities With Active Regions. IEEE Journal of Quantum Electronics, 2011, 47, 20-30.	1.9	93
18	Robust Ultraminiature Capsule Antenna for Ingestible and Implantable Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6107-6119.	5.1	93

#	ARTICLE	IF	CITATIONS
19	Wideband Circularly Polarized Patch Antennas on Reactive Impedance Substrates. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1015-1018.	4.0	88
20	Periodicity-induced effects in the scattering and absorption of light by infinite and finite gratings of circular silver nanowires. Optics Express, 2011, 19, 22176.	3.4	85
21	Circularly Polarized Transmitarray With Sequential Rotation in Ka-Band. IEEE Transactions on Antennas and Propagation, 2015, 63, 5118-5124.	5.1	85
22	Dual-Band Transmitarrays With Dual-Linear Polarization at Ka-Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 7009-7018.	5.1	82
23	60-GHz Textile Antenna Array for Body-Centric Communications. IEEE Transactions on Antennas and Propagation, 2013, 61, 1816-1824.	5.1	81
24	A Complete Procedure for the Design and Optimization of Arbitrarily Shaped Integrated Lens Antennas. IEEE Transactions on Antennas and Propagation, 2006, 54, 1122-1133.	5.1	80
25	Design of Wideband Dual Linearly Polarized Transmitarray Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 2022-2026.	5.1	80
26	1-Bit Reconfigurable Unit Cell for Ka-Band Transmitarrays. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 560-563.	4.0	80
27	A Multilayer LTCC Solution for Integrating 5G Access Point Antenna Modules. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2272-2283.	4.6	77
28	Characterization of the Interactions Between a 60-GHz Antenna and the Human Body in an Off-Body Scenario. IEEE Transactions on Antennas and Propagation, 2012, 60, 5958-5965.	5.1	76
29	Compact Ka-Band Lens Antennas for LEO Satellites. IEEE Transactions on Antennas and Propagation, 2008, 56, 1251-1258.	5.1	75
30	2 Bit Reconfigurable Unit-Cell and Electronically Steerable Transmitarray at \$Ka\$ -Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 5003-5008.	5.1	75
31	SIW Slotted Waveguide Array With Pillbox Transition for Mechanical Beam Scanning. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1572-1575.	4.0	73
32	On the Near-Field Shaping and Focusing Capability of a Radial Line Slot Array. IEEE Transactions on Antennas and Propagation, 2014, 62, 1991-1999.	5.1	73
33	Design and Optimization of Three-Dimensional Integrated Lens Antennas With Genetic Algorithm. IEEE Transactions on Antennas and Propagation, 2007, 55, 770-775.	5.1	71
34	On-Body Propagation at 60 GHz. IEEE Transactions on Antennas and Propagation, 2013, 61, 1876-1888.	5.1	67
35	Additive Manufactured Metal-Only Modulated Metasurface Antennas. IEEE Transactions on Antennas and Propagation, 2018, 66, 6106-6114.	5.1	67
36	Multifunctional Flexible Sensor Based on Laser-Induced Graphene. Sensors, 2019, 19, 3477.	3.8	66

#	ARTICLE	IF	CITATIONS
37	Single-Folded Leaky-Wave Antennas for Automotive Radars at 77 GHz. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 859-862.	4.0	63
38	A Dual-Mode, Dual-Port Pattern Diversity Antenna for 2.45-GHz WBAN. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1064-1067.	4.0	63
39	A new concept of focusing antennas using plane-parallel fabry-perot cavities with nonuniform mirrors. IEEE Transactions on Antennas and Propagation, 2003, 51, 3171-3175.	5.1	62
40	Broadband Tissue-Equivalent Phantom for BAN Applications at Millimeter Waves. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2259-2266.	4.6	61
41	Self-Polarizing Fabry-Perot Antennas Based on Polarization Twisting Element. IEEE Transactions on Antennas and Propagation, 2013, 61, 1032-1040.	5.1	57
42	A Millimeter-Wave Multibeam Transparent Transmitarray Antenna at Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 631-635.	4.0	56
43	Low-threshold lasing eigenmodes of an infinite periodic chain of quantum wires. Optics Letters, 2010, 35, 3634.	3.3	55
44	Self-Generation of Circular Polarization Using Compact Fabry-Perot Cavity Antennas. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 907-910.	4.0	54
45	Wideband and Large Coverage Continuous Beam Steering Antenna in the 60-GHz Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 4418-4426.	5.1	54
46	Circularly Polarized Transmitarray Antennas at Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1204-1208.	4.0	54
47	Small Hemielliptic Dielectric Lens Antenna Analysis in 2-D: Boundary Integral Equations Versus Geometrical and Physical Optics. IEEE Transactions on Antennas and Propagation, 2008, 56, 485-492.	5.1	53
48	Reduced-Size Double-Shell Lens Antenna With Flat-Top Radiation Pattern for Indoor Communications at Millimeter Waves. IEEE Transactions on Antennas and Propagation, 2011, 59, 2424-2429.	5.1	53
49	Dual Linearly-Polarized Unit-Cells With Nearly 2-Bit Resolution For Reflectarray Applications In X-Band. IEEE Transactions on Antennas and Propagation, 2012, 60, 6042-6048.	5.1	53
50	DUAL INTEGRAL EQUATIONS TECHNIQUE IN ELECTROMAGNETIC WAVE SCATTERING BY A THIN DISK. Progress in Electromagnetics Research B, 2009, 16, 107-126.	1.0	52
51	Test of the FDTD accuracy in the analysis of the scattering resonances associated with high-Q whispering-gallery modes of a circular cylinder. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2008, 25, 1169.	1.5	51
52	A Lumped-Element Unit Cell for Beam-Forming Networks and Its Application to a Miniaturized Butler Matrix. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1477-1487.	4.6	51
53	Dual Circularly Polarized Reflectarray With Independent Control of Polarizations. IEEE Transactions on Antennas and Propagation, 2015, 63, 1877-1881.	5.1	51
54	A Millimeter-Wave Microstrip Antenna Array on Ultra-Flexible Micromachined Polydimethylsiloxane (PDMS) Polymer. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 1306-1309.	4.0	50

#	ARTICLE	IF	CITATIONS
55	Higher-Order Leaky-Mode Bessel-Beam Launcher. IEEE Transactions on Antennas and Propagation, 2016, 64, 904-913.	5.1	50
56	Effective parameters of resonant negative refractive index metamaterials: Interpretation and validity. Journal of Applied Physics, 2005, 98, 063505.	2.5	49
57	A Low-Profile Broadband 32-Slot Continuous Transverse Stub Array for Backhaul Applications in S-Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 6307-6316.	5.1	49
58	Small-Size Shielded Metallic Stacked Fabry-Pérot Cavity Antennas With Large Bandwidth for Space Applications. IEEE Transactions on Antennas and Propagation, 2012, 60, 792-802.	5.1	48
59	Effect of Periodicity in the Resonant Scattering of Light by Finite Sparse Configurations of Many Silver Nanowires. Plasmonics, 2014, 9, 389-407.	3.4	48
60	Very Broadband Extended Hemispherical Lenses: Role of Matching Layers for Bandwidth Enlargement. IEEE Transactions on Antennas and Propagation, 2009, 57, 1907-1913.	5.1	47
61	Performance of Hemielliptic Dielectric Lens Antennas With Optimal Edge Illumination. IEEE Transactions on Antennas and Propagation, 2009, 57, 2193-2198.	5.1	47
62	Human skin permittivity models for millimetre-wave range. Electronics Letters, 2011, 47, 427.	1.0	47
63	Novel Phase Shifter Design Based on Substrate-Integrated-Waveguide Technology. IEEE Microwave and Wireless Components Letters, 2012, 22, 518-520.	3.2	47
64	A Low-Profile and High-Gain Frequency Beam Steering Subterahertz Antenna Enabled by Silicon Micromachining. IEEE Transactions on Antennas and Propagation, 2020, 68, 672-682.	5.1	47
65	Electromagnetic Radiation Efficiency of Body-Implanted Devices. Physical Review Applied, 2018, 9, .	3.8	45
66	Evaluation of the Potential Biological Effects of the 60-GHz Millimeter Waves Upon Human Cells. IEEE Transactions on Antennas and Propagation, 2009, 57, 2949-2956.	5.1	44
67	Broadband and Broad-Angle Multilayer Polarizer Based on Hybrid Optimization Algorithm for Low-Cost Ka-Band Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 1874-1881.	5.1	44
68	Polarized Beams Using Scalar Metasurfaces. IEEE Transactions on Antennas and Propagation, 2016, 64, 3391-3400.	5.1	43
69	Scattering and Absorption of Waves by Flat Material Strips Analyzed Using Generalized Boundary Conditions and Nystrom-Type Algorithm. IEEE Transactions on Antennas and Propagation, 2011, 59, 3339-3346.	5.1	42
70	Multibeam Pillbox Antenna With Low Sidelobe Level and High-Beam Crossover in SIW Technology Using the Split Aperture Decoupling Method. IEEE Transactions on Antennas and Propagation, 2015, 63, 5209-5215.	5.1	42
71	Focal Distance Reduction of Transmit-Array Antennas Using Multiple Feeds. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1311-1314.	4.0	40
72	1.9-THz Multiflare Angle Horn Optimization for Space Instruments. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 914-921.	3.1	40

#	ARTICLE	IF	CITATIONS
73	Active Impedance of Infinite Parallel-Fed Continuous Transverse Stub Arrays. IEEE Transactions on Antennas and Propagation, 2015, 63, 3291-3297.	5.1	40
74	Interactions between 60-GHz millimeter waves and artificial biological membranes: dependence on radiation parameters. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 2534-2542.	4.6	38
75	A Wide-Angle Scanning Switched-Beam Antenna System in LTCC Technology With High Beam Crossing Levels for V-Band Communications. IEEE Transactions on Antennas and Propagation, 2019, 67, 541-553.	5.1	37
76	Broadband graded index Gutman lens with a wide field of view utilizing artificial dielectrics: a design methodology. Optics Express, 2020, 28, 14648.	3.4	37
77	Size and Weight Reduction of Integrated Lens Antennas Using a Cylindrical Air Cavity. IEEE Transactions on Antennas and Propagation, 2012, 60, 5993-5998.	5.1	36
78	SIW Pillbox Antenna for Monopulse Radar Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 3918-3927.	5.1	36
79	Radiation Pattern Synthesis for Monopulse Radar Applications With a Reconfigurable Transmitarray Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 4148-4154.	5.1	36
80	Radiation characteristics and performance of millimeter-wave horn-fed gaussian beam antennas. IEEE Transactions on Antennas and Propagation, 2003, 51, 378-387.	5.1	35
81	Low-power millimeter wave radiations do not alter stress-sensitive gene expression of chaperone proteins. Bioelectromagnetics, 2007, 28, 188-196.	1.6	35
82	Numerical and Experimental Millimeter-Wave Dosimetry for In Vitro Experiments. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2998-3007.	4.6	35
83	Modeling of Plasmon Resonances of Multiple Flat Noble-Metal Nanostrips With a Median-Line Integral Equation Technique. IEEE Nanotechnology Magazine, 2013, 12, 442-449.	2.0	35
84	Optimization Procedure for Planar Leaky-Wave Antennas With Flat-Topped Radiation Patterns. IEEE Transactions on Antennas and Propagation, 2015, 63, 5854-5859.	5.1	35
85	Impact of Tissue Electromagnetic Properties on Radiation Performance of In-Body Antennas. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1440-1444.	4.0	35
86	Complex permittivity of representative biological solutions in the 2â€“67â€‰GHz range. Bioelectromagnetics, 2012, 33, 346-355.	1.6	34
87	Electrically-Small Shaped Integrated Lens Antennas: A Study of Feasibility in Q\$-Band. IEEE Transactions on Antennas and Propagation, 2007, 55, 1038-1044.	5.1	33
88	New Method for Determining Dielectric Properties of Skin and Phantoms at Millimeter Waves Based on Heating Kinetics. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 827-832.	4.6	33
89	Efficient Analysis of Metallic and Dielectric Posts in Parallel-Plate Waveguide Structures. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2979-2989.	4.6	33
90	Analytical Model and Study of Continuous Parallel Plate Waveguide Lens-like Multiple-Beam Antennas. IEEE Transactions on Antennas and Propagation, 2018, 66, 4426-4436.	5.1	33

#	ARTICLE	IF	CITATIONS
91	Optimal Radiation of Body-Implanted Capsules. Physical Review Letters, 2019, 122, 108101.	7.8	33
92	Low-profile directive quasi-planar antennas based on millimetre wave Fabry-Perot cavities. IET Microwaves Antennas and Propagation, 2003, 150, 274.	1.2	32
93	Near-field dosimetry for in vitro exposure of human cells at 60%GHz. Bioelectromagnetics, 2012, 33, 55-64.	1.6	31
94	Whole-genome expression analysis in primary human keratinocyte cell cultures exposed to 60%GHz radiation. Bioelectromagnetics, 2012, 33, 147-158.	1.6	31
95	Effect of Textile on the Propagation Along the Body at 60 GHz. IEEE Transactions on Antennas and Propagation, 2014, 62, 1489-1494.	5.1	31
96	Shaped Continuous Parallel Plate Delay Lens With Enhanced Scanning Performance. IEEE Transactions on Antennas and Propagation, 2019, 67, 6695-6704.	5.1	31
97	A Conformal, Dynamic Pattern-Reconfigurable Antenna Using Conductive Textile-Polymer Composite. IEEE Transactions on Antennas and Propagation, 2021, 69, 6175-6184.	5.1	31
98	Focal Array Fed Dielectric Lenses: An Attractive Solution for Beam Reconfiguration at Millimeter Waves. IEEE Transactions on Antennas and Propagation, 2011, 59, 2152-2159.	5.1	30
99	State of knowledge on biological effects at 40-60 GHz. Comptes Rendus Physique, 2013, 14, 402-411.	0.9	30
100	All-metal Ku-band Luneburg lens antenna based on variable parallel plate spacing Fakir bed of nails. , 2017, , .		30
101	Washing Durability of PDMS-Conductive Fabric Composite: Realizing Washable UHF RFID Tags. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2572-2576.	4.0	30
102	Dielectric-Loaded Conformal Microstrip Antennas for Versatile In-Body Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2686-2690.	4.0	30
103	Immune-to-Detuning Wireless In-Body Platform for Versatile Biotelemetry Applications. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 403-412.	4.0	30
104	A Conformal Band-Notched Ultrawideband Antenna With Monopole-Like Radiation Characteristics. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 203-207.	4.0	30
105	Fabry-Perot Resonators. , 0, , .		30
106	DESIGN, FABRICATION AND CHARACTERIZATION OF A DIELECTRIC RESONATOR ANTENNA REFLECTARRAY IN KA-BAND. Progress in Electromagnetics Research B, 2010, 25, 261-275.	1.0	29
107	Improvement of the Scanning Performance of the Extended Hemispherical Integrated Lens Antenna Using a Double Lens Focusing System. IEEE Transactions on Antennas and Propagation, 2016, 64, 3698-3702.	5.1	29
108	SIW Rotman Lens Antenna With Ridged Delay Lines and Reduced Footprint. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3136-3144.	4.6	29

#	ARTICLE	IF	CITATIONS
109	Integral Equation Analysis of Terahertz Backscattering From Circular Dielectric Rod With Partial Graphene Cover. IEEE Journal of Quantum Electronics, 2020, 56, 1-8.	1.9	29
110	Transcriptome Analysis Reveals the Contribution of Thermal and the Specific Effects in Cellular Response to Millimeter Wave Exposure. PLoS ONE, 2014, 9, e109435.	2.5	29
111	Human skin-equivalent phantom for on-body antenna measurements in 60GHz band. Electronics Letters, 2012, 48, 67.	1.0	28
112	Low-Cost Metal-Only Transmitarray Antennas at Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1243-1247.	4.0	28
113	Truncated Leaky-Wave Antenna With Cosecant-Squared Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 841-844.	4.0	27
114	Circular Dielectric Rod With Conformal Strip of Graphene as Tunable Terahertz Antenna: Interplay of Inverse Electromagnetic Jet, Whispering Gallery and Plasmon Effects. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-8.	2.9	27
115	Reflectarray element based on strip-loaded dielectric resonator antenna. Electronics Letters, 2008, 44, 664.	1.0	26
116	Assessment of FDTD Accuracy in the Compact Hemielliptic Dielectric Lens Antenna Analysis. IEEE Transactions on Antennas and Propagation, 2008, 56, 758-764.	5.1	26
117	Two-Shell Radially Symmetric Dielectric Lenses as Low-Cost Analogs of the Luneburg Lens. IEEE Transactions on Antennas and Propagation, 2011, 59, 3089-3093.	5.1	26
118	Flat-Shaped Dielectric Lens Antenna for 60-GHz Applications. IEEE Transactions on Antennas and Propagation, 2011, 59, 4041-4048.	5.1	26
119	A Full-Wave Hybrid Method for the Analysis of Multilayered SIW-Based Antennas. IEEE Transactions on Antennas and Propagation, 2013, 61, 5575-5588.	5.1	26
120	A NOVEL OF RECONFIGURABLE PLANAR ANTENNA ARRAY (RPAA) WITH BEAM STEERING CONTROL. Progress in Electromagnetics Research B, 2010, 20, 125-146.	1.0	25
121	Design and Experimental Validation of a Mode-Stirred Reverberation Chamber at Millimeter Waves. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 12-21.	2.2	25
122	Reconfigurable CTS Antenna Fully Integrated in PCB Technology for 5G Backhaul Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 3609-3618.	5.1	25
123	Review of lens antenna design and technologies for mm-wave shaped-beam applications. , 2005, , .		24
124	Highly tunable microwave stub resonator on ferroelectric KTa _{0.5} Nb _{0.5} O ₃ thin film. Applied Physics Letters, 2011, 99, 092904.	3.3	24
125	Purely Metallic Waveguide-Fed Fabry-Pérot Cavity Antenna With a Polarizing Frequency Selective Surface for Compact Solutions in Circular Polarization. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 881-884.	4.0	24
126	Multibeam Pillbox Antenna Integrating Amplitude-Comparison Monopulse Technique in the 24 GHz Band for Tracking Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 2616-2621.	5.1	24

#	ARTICLE	IF	CITATIONS
127	Compact Folded Fresnel Zone Plate Lens Antenna for mm-Wave Communications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 873-876.	4.0	24
128	Long Slot Array Fed by a Nonuniform Corporate Feed Network in PPW Technology. IEEE Transactions on Antennas and Propagation, 2019, 67, 5436-5445.	5.1	24
129	Experimental Characterization of a Circularly Polarized 1 Bit Unit Cell for Beam Steerable Transmitarrays at Ka-Band. IEEE Transactions on Antennas and Propagation, 2019, 67, 1300-1305.	5.1	24
130	VECTOR AND PARALLEL IMPLEMENTATIONS FOR THE FDTD ANALYSIS OF MILLIMETER WAVE PLANAR ANTENNAS. International Journal of High Speed Computing, 1999, 10, 209-234.	0.2	23
131	A Millimeter-Wave Inflatable Frequency-Agile Elastomeric Antenna. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 1131-1134.	4.0	23
132	Optimization of Reduced-Size Smooth-Walled Conical Horns Using BoR-FDTD and Genetic Algorithm. IEEE Transactions on Antennas and Propagation, 2010, 58, 3094-3100.	5.1	23
133	Enhancement of On-Body Propagation at 60 GHz Using Electro Textiles. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 603-606.	4.0	23
134	Near-Field User Exposure in Forthcoming 5G Scenarios in the 60 GHz Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 6606-6615.	5.1	23
135	Combined plasmon-resonance and photonic-jet effect in the THz wave scattering by dielectric rod decorated with graphene strip. Journal of Applied Physics, 2019, 126, 023104.	2.5	23
136	Absence of direct effect of low-power millimeter-wave radiation at 60.4 GHz on endoplasmic reticulum stress. Cell Biology and Toxicology, 2009, 25, 471-478.	5.3	22
137	Design and Characterization of a CPSS-Based Unit-Cell for Circularly Polarized Reflectarray Applications. IEEE Transactions on Antennas and Propagation, 2013, 61, 2313-2318.	5.1	22
138	Millimeter waves as a source of selective heating of skin. Bioelectromagnetics, 2015, 36, 464-475.	1.6	22
139	Wideband Antenna in Cavity Based on Metasurfaces. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1053-1056.	4.0	22
140	Experimental Validation of a 2-Bit Reconfigurable Unit-Cell for Transmitarrays at Ka-Band. IEEE Access, 2020, 8, 114991-114997.	4.2	22
141	Dual-Band Transmitarray With Low Scan Loss for Satcom Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 1775-1780.	5.1	22
142	DESIGN OF RECONFIGURABLE MULTIPLE ELEMENTS MICROSTRIP RECTANGULAR LINEAR ARRAY ANTENNA. Progress in Electromagnetics Research C, 2009, 6, 21-35.	0.9	21
143	Seeing the order in a mess: optical signature of periodicity in a cloud of plasmonic nanowires. Optics Express, 2014, 22, 28190.	3.4	21
144	Impact of 60 GHz millimeter waves and corresponding heat effect on endoplasmic reticulum stress sensor gene expression. Bioelectromagnetics, 2014, 35, 444-451.	1.6	21

#	ARTICLE	IF	CITATIONS
145	Solid Phantom for Body-Centric Propagation Measurements at 60 GHz. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1373-1380.	4.6	21
146	Dual-Circularly Polarized High-Gain Transmitarray Antennas at Ka -Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 7223-7227.	5.1	21
147	Study of narrow band millimeter-wave potential interactions with endoplasmic reticulum stress sensor genes. Bioelectromagnetics, 2009, 30, 365-373.	1.6	20
148	Improvement of the on-body performance of a dual-band textile antenna using an EBG structure. , 2010, , .		20
149	3-D Shaping of a Focused Aperture in the Near Field. IEEE Transactions on Antennas and Propagation, 2016, 64, 5262-5271.	5.1	20
150	Multibeam Si/GaAs Holographic Metasurface Antenna at W -Band. IEEE Transactions on Antennas and Propagation, 2021, 69, 3523-3528.	5.1	20
151	Microfluidically Tunable Microstrip Filters. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2245-2252.	4.6	19
152	A Conical Patch Antenna Array for Agile Point-to-Point Communications in the 5.2-GHz Band. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1230-1233.	4.0	19
153	Antenna/Body Coupling in the Near-Field at 60 GHz: Impact on the Absorbed Power Density. Applied Sciences (Switzerland), 2020, 10, 7392.	2.5	19
154	A PLANAR ANTENNA ARRAY WITH SEPARATED FEED LINE FOR HIGHER GAIN AND SIDELobe REDUCTION. Progress in Electromagnetics Research C, 2009, 8, 69-82.	0.9	18
155	Electromagnetic dosimetry for adult and child models within a car: multi-exposure scenarios. International Journal of Microwave and Wireless Technologies, 2011, 3, 707-715.	1.9	18
156	USING OPTIMIZED ECCENTRICITY REXOLITE LENS FOR ELECTRICAL BEAM STEERING WITH INTEGRATED APERTURE COUPLED PATCH ARRAY. Progress in Electromagnetics Research B, 2012, 44, 345-365.	1.0	18
157	Synthesis Procedure for Thinned Leaky-Wave-Based Arrays With Reduced Number of Elements. IEEE Transactions on Antennas and Propagation, 2016, 64, 582-590.	5.1	18
158	Conformal antennas for miniature in-body devices: The quest to improve radiation performance. URSI Radio Science Bulletin, 2017, 2017, 52-64.	0.1	18
159	Multi-layer microstrip antennas on quartz substrates: Technological considerations and performances at 60 GHz. Microwave and Optical Technology Letters, 2004, 40, 41-47.	1.4	17
160	Layered Circular-Cylindrical Dielectric Lens Antennas—Synthesis and Height Reduction Technique. IEEE Transactions on Antennas and Propagation, 2010, 58, 1783-1788.	5.1	17
161	Four-state dual polarisation unit-cells for reflectarray applications. Electronics Letters, 2010, 46, 742.	1.0	17
162	REDUCTION OF INTERNAL REFLECTIONS IN INTEGRATED LENS ANTENNAS FOR BEAM-STEERING. Progress in Electromagnetics Research, 2013, 134, 63-78.	4.4	17

#	ARTICLE	IF	CITATIONS
163	A Switched-Beam Conformal Array With a 3-D Beam Forming Capability in C-Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 2950-2957.	5.1	17
164	Reconfigurable Dual-Band Capsule-Conformal Antenna Array for In-Body Bioelectronics. IEEE Transactions on Antennas and Propagation, 2022, 70, 3749-3761.	5.1	17
165	A Liquid-Crystal, Tunable, Ultra-Thin Fabry-Perot Resonator in Ka Band. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 701-704.	4.0	16
166	Increasing the radiation efficiency and matching stability of in-body capsule antennas. , 2016, , .		16
167	Enhancement of Penetration of Millimeter Waves by Field Focusing Applied to Breast Cancer Detection. IEEE Transactions on Biomedical Engineering, 2021, 68, 959-966.	4.2	16
168	A Novel Dual-Polarized Continuous Transverse Stub Antenna Based on Corrugated Waveguidesâ€”Part II: Experimental Demonstration. IEEE Transactions on Antennas and Propagation, 2021, 69, 1313-1323.	5.1	16
169	Optical fields of the lowest modes in a uniformly active thin subwavelength spiral microcavity. Optics Letters, 2009, 34, 3773.	3.3	15
170	Axisymmetric Resonant Lens Antenna With Improved Directivity in Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 37-40.	4.0	15
171	Enhancing Exposure Efficiency and Uniformity Using a Choke Ring Antenna: Application to Bioelectromagnetic Studies at 60 GHz. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 2005-2014.	4.6	15
172	Analysis of Circularly Polarized CTS Arrays. IEEE Transactions on Antennas and Propagation, 2020, 68, 4571-4582.	5.1	15
173	Additive Effects of Millimeter Waves and 2-Deoxyglucose Co-Exposure on the Human Keratinocyte Transcriptome. PLoS ONE, 2016, 11, e0160810.	2.5	15
174	Title is missing!. Journal of Infrared, Millimeter and Terahertz Waves, 1998, 19, 1693-1710.	0.6	14
175	Perturbation Technique to Analyze Mutual Coupling in Reflectarrays. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 697-700.	4.0	14
176	Periodicity-Enhanced Plasmon Resonances in the Scattering of Light by Sparse Finite Gratings of Circular Silver Nanowires. IEEE Photonics Technology Letters, 2011, , .	2.5	14
177	Shaped Lens-Like Dome for UWB Antennas With a Gaussian-Like Radiation Pattern. IEEE Transactions on Antennas and Propagation, 2013, 61, 1658-1664.	5.1	14
178	Antennas for Body Centric Wireless Communications at Millimeter Wave Frequencies. , 0, , .		14
179	Bandwidth Behavior and Improvement of Miniature Cavity Antennas With Broadside Radiation Pattern Using a Metasurface. IEEE Transactions on Antennas and Propagation, 2015, 63, 1899-1908.	5.1	14
180	Title is missing!. Journal of Infrared, Millimeter and Terahertz Waves, 2002, 23, 475-498.	0.6	13

#	ARTICLE	IF	CITATIONS
181	Radiation performance of purely metallic waveguide-fed compact Fabry-Pérot antennas for space applications. <i>Microwave and Optical Technology Letters</i> , 2007, 49, 2216-2221.	1.4	13
182	A Reconfigurable Planar Antenna Array (RPAA) with back lobe reduction. , 2010, , .		13
183	Design and characterization of an UWB wearable antenna. , 2010, , .		13
184	Wideband circularly-polarized 3-bit transmitarray antenna in Ka-band. , 2017, , .		13
185	Lens-Corrected Axis-Symmetrical Shaped Horn Antenna in Metallized Foam With Improved Bandwidth. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012, 11, 57-60.	4.0	12
186	Folded Rotman lens multibeam antenna in SIW technology at 24 GHz. , 2012, , .		12
187	End-Fire Antenna for BAN at 60 GHz: Impact of Bending, On-Body Performances, and Study of an On to Off-Body Scenario. <i>Electronics (Switzerland)</i> , 2014, 3, 221-233.	3.1	12
188	Challenges and opportunities for millimeter-wave mobile access standardisation. , 2014, , .		12
189	Unit Cell for Reflectarrays Operating With Independent Dual Circular Polarizations. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014, 13, 1176-1179.	4.0	12
190	On-body propagation characterization with an H-plane Substrate Integrated Waveguide (SIW) horn antenna at 60 GHz. , 2015, , .		12
191	Effects of 60-GHz millimeter waves on neurite outgrowth in PC12 cells using high-content screening. <i>Neuroscience Letters</i> , 2016, 618, 58-65.	2.1	12
192	Switched-beam E-band transmitarray antenna for point-to-point communications. , 2017, , .		12
193	Mode Matching Analysis of an E-Plane 90° Bend With a Square Step in Parallel-Plate Waveguide. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017, 16, 2187-2190.	4.0	12
194	Microscale temperature and SAR measurements in cell monolayer models exposed to millimeter waves. <i>Bioelectromagnetics</i> , 2017, 38, 11-21.	1.6	12
195	Design and Measurements of a High-Performance Wideband Transmitarray Antenna for D-Band Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1765-1769.	4.0	12
196	Quad-Furcated Profiled Horn: The Next Generation Highly Efficient GEO Antenna in Additive Manufacturing. <i>IEEE Open Journal of Antennas and Propagation</i> , 2022, 3, 69-82.	3.7	12
197	Theoretical Reflection Coefficient of Metal Grid Reflectors at a Dielectric Interface. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1999, 20, 325-340.	0.6	11
198	Accurate quantification of the Purcell effect in the presence of a dielectric microdisk of nanoscale thickness. <i>Micro and Nano Letters</i> , 2011, 6, 393.	1.3	11

#	ARTICLE	IF	CITATIONS
199	A millimeter-wave elastomeric microstrip phase shifter. , 2012, , .		11
200	Compact GNSS Metasurface-Inspired Cavity Antennas. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2652-2656.	4.0	11
201	A Novel Dual-Polarized Continuous Transverse Stub Antenna Based on Corrugated Waveguidesâ€”Part I: Principle of Operation and Design. IEEE Transactions on Antennas and Propagation, 2021, 69, 1302-1312.	5.1	11
202	Parametric study and synthesis of 60-GHz Fabry-Perot resonators. Microwave and Optical Technology Letters, 2002, 34, 247-252.	1.4	10
203	Hexagonal-Shaped Broadband Compact Srimp Horn Antenna for Operation in \$C\$-Band. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 842-845.	4.0	10
204	Determining the lowest usable frequency of a frequency-stirred reverberation chamber using modal density. , 2014, , .		10
205	Experimental Dosimetry in a Mode-Stirred Reverberation Chamber in the 60-GHz Band. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 981-992.	2.2	10
206	Mode-Matching Analysis of Lossy SIW Devices. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4126-4137.	4.6	10
207	Effect of acute millimeter wave exposure on dopamine metabolism of NGF-treated PC12 cells. Journal of Radiation Research, 2017, 58, 439-445.	1.6	10
208	Circularly Polarized Fabryâ€”Perot Antenna Using a Hybrid Leaky-Wave Mode. IEEE Transactions on Antennas and Propagation, 2019, 67, 5867-5876.	5.1	10
209	Broadband Passive Two-Feed-Per-Beam Pillbox Architecture for High Beam Crossover Level. IEEE Transactions on Antennas and Propagation, 2020, 68, 575-580.	5.1	10
210	Dual-Band Dual-Linearly Polarized Transmitarray at Ka-Band. , 2021, , .		10
211	Enhanced tunability and temperature-dependent dielectric characteristics at microwaves of K0.5Na0.5NbO3 thin films epitaxially grown on (100)MgO substrates. Journal of Alloys and Compounds, 2021, 856, 158138.	5.5	10
212	A shaping technique of substrate lens antennas with genetic algorithm. , 2005, , .		9
213	Small hemielliptic dielectric lens antenna analysis boundary integral equations vs. GO and PO. , 2005, , .		9
214	Analysis of electromagnetic band-gap waveguide structures using body-of-revolution finite-difference time-domain method. Microwave and Optical Technology Letters, 2007, 49, 2201-2206.	1.4	9
215	Exact off-resonance near fields of small-size extended hemielliptic 2-D lenses illuminated by plane waves. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 259.	1.5	9
216	Millimeter-wave patch array antenna on ultra flexible micromachined Polydimethylsiloxane (PDMS) substrate. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	9

#	ARTICLE	IF	CITATIONS
217	NUMERICAL INVESTIGATION INTO THE DESIGN OF SHAPED DIELECTRIC LENS ANTENNAS WITH IMPROVED ANGULAR CHARACTERISTICS. Progress in Electromagnetics Research B, 2011, 30, 279-292.	1.0	9
218	Smooth-Walled Light-Weight Ka-Band Shaped Horn Antennas in Metallized Foam. IEEE Transactions on Antennas and Propagation, 2012, 60, 1245-1251.	5.1	9
219	Reconfigurable transmit-array antenna with multiple focal sources. , 2014, , .		9
220	Efficient CMOS Systems With Beam-Steering Interconnects for Space Instruments. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 637-644.	3.1	9
221	Contactless Microstrip Transition for Flexible Microfluidic Circuits and Antennas. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1502-1505.	4.0	9
222	Design and experimental characterization of a reconfigurable transmitarray with reduced focal distance. International Journal of Microwave and Wireless Technologies, 2016, 8, 447-454.	1.9	9
223	Impact of 60-GHz millimeter waves on stress and pain-related protein expression in differentiating neuron-like cells. Bioelectromagnetics, 2016, 37, 444-454.	1.6	9
224	Impact of phase compensation method on transmitarray performance. , 2017, , .		9
225	Near-Field Multibeam Generation by Tensorial Metasurfaces. IEEE Transactions on Antennas and Propagation, 2019, 67, 6068-6075.	5.1	9
226	Millimeter-wave pulsed heating in vitro: cell mortality and heat shock response. Scientific Reports, 2019, 9, 15249.	3.3	9
227	A Photonically-Excited Leaky-Wave Antenna Array at E-Band for 1-D Beam Steering. Applied Sciences (Switzerland), 2020, 10, 3474.	2.5	9
228	Four-Way Orthomode Waveguide Power Dividers: Subtractive and Additive Manufacturing. , 2021, , .		9
229	Antenna/Human Body Coupling in 5G Millimeter-Wave Bands: Do Age and Clothing Matter?. IEEE Journal of Microwaves, 2021, 1, 593-600.	6.5	9
230	Input impedance of electromagnetic bandgap resonator antennas. Microwave and Optical Technology Letters, 2004, 41, 369-375.	1.4	8
231	Benchmark of lens antennas for KA-band global earth observation from leo satellites. , 2006, , .		8
232	Structural Characteristics of $\text{KTa}_{0.5}\text{Nb}_{0.5}\text{O}_3$ Ferroelectric Thin Films and Applications to Planar Transmission Lines. Ferroelectrics, 2008, 362, 137-144.	0.6	8
233	Drastic influence of the half-bowtie resonances on the focusing and collimating capabilities of 2-D extended hemielliptical and hemispherical dielectric lenses. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 2442.	1.5	8
234	1-bit reconfigurable unit-cell for transmit-array applications in X-band. , 2011, , .		8

#	ARTICLE	IF	CITATIONS
235	Floating boundary particle swarm optimization algorithm. Optimization Letters, 2013, 7, 1261-1280.	1.6	8
236	434 MHz ISM band antenna for in-body biotelemetry capsules. , 2017, , .		8
237	K x Na $1\hat{\sim}$ xNbO ₃ perovskite thin films grown by pulsed laser deposition on R-plane sapphire for tunable microwave devices. Journal of Materials Science, 2018, 53, 13042-13052.	3.7	8
238	Ultra-Low-Profile Continuous Transverse Stub Array for SatCom Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 4459-4471.	5.1	8
239	Analysis of millimeter-wave Fabry-Perot cavities using the FDTD technique. , 1999, 9, 189-191.		7
240	Near-field coupling between a printed antenna and a Fabry Perot resonator: Experimental study of the radiation properties at millimeter wave frequencies. Microwave and Optical Technology Letters, 2003, 38, 438-443.	1.4	7
241	Beam focusing using 60â€...GHz Fabryâ€“Perot resonators with uniform and non-uniform metal grids. Electronics Letters, 2003, 39, 341.	1.0	7
242	Dielectric Lens Antenna Size Reduction Due to the Shape Optimization with Genetic Algorithm and Muller Boundary Integral Equations. , 2006, , .		7
243	Design and optimisation of axisymmetric millimetre-wave shaped lens antennas with directive, secant-squared and conical beams. IET Microwaves, Antennas and Propagation, 2007, 1, 433.	1.4	7
244	Towards the Integration of Epitaxially Grown KTN Thin Films in Silicon Technology. Ferroelectrics, 2008, 362, 95-104.	0.6	7
245	Structural, Optical, and Dielectric Properties of Bi _{1.5} â€“ ₂ Zn _{0.92} â€“ ₂ Nb _{1.5} O _{6.92} â€“ ₂ Thin Films Grown by PLD on R-plane Sapphire and LaAlO ₃ Substrates. ACS Applied Materials & Interfaces, 2012, 4, 5227-5233.	8.0	7
246	Circularly polarized transmit-array with sequentially rotated elements in Ka band. , 2014, , .		7
247	Study of ferroelectric/dielectric multilayers for tunable stub resonator applications at microwaves. Thin Solid Films, 2014, 553, 109-113.	1.8	7
248	Continuous parallel plate waveguide beamformer based on a bifocal constrained lens design. , 2016, , .		7
249	Systematic design of a class of wideband circular polarizers using dispersion engineering. , 2017, , .		7
250	On the use of convex optimization for electromagnetic near-field shaping. , 2017, , .		7
251	Analysis and design of a continuous parallel plate waveguide multiple beam lens antenna at Ku-band. , 2017, , .		7
252	Integrated Lens Antennas. Signals and Communication Technology, 2018, , 3-36.	0.5	7

#	ARTICLE	IF	CITATIONS
253	Millimeter-Wave Heating in In Vitro Studies: Effect of Convection in Continuous and Pulse-Modulated Regimes. <i>Bioelectromagnetics</i> , 2019, 40, 553-568.	1.6	7
254	Tetragonal tungsten bronze phase thin films in the K ⁺ Na ⁺ Nb ⁺ O system: Pulsed laser deposition, structural and dielectric characterizations. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154341.	5.5	7
255	Physical Bounds on Implant Powering Efficiency Using Body-Conformal WPT Systems. , 2021, , .		7
256	Frequency-Tunable Slot-Loop Antenna Based on KNN Ferroelectric Interdigitated Varactors. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1414-1418.	4.0	7
257	High-Resolution Model of Human Skin Appendages for Electromagnetic Dosimetry at Millimeter Waves. <i>IEEE Journal of Microwaves</i> , 2022, 2, 214-227.	6.5	7
258	A millimeter-wave frequency tunable microstrip antenna on ultraflexible PDMS substrate. , 2010, , .		6
259	A CPSS-based reflectarray cell with reconfigurable capabilities. , 2012, , .		6
260	Modeling of a discrete parabolic reflector made of sub-wavelength plasmonic wires. , 2013, , .		6
261	A flat-topped leaky-wave source for phased arrays with reduced scan losses. , 2014, , .		6
262	Waveguide-Integrated MEMS-based phase shifter for phased array antenna. <i>IET Microwaves, Antennas and Propagation</i> , 2014, 8, 235-243.	1.4	6
263	Beam-Forming Capabilities of Waveguide Feeds Assisted by Corrugated Flanges. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 5548-5560.	5.1	6
264	Millimeter-wave electromagnetic field exposure from mobile terminals. , 2015, , .		6
265	Low-cost photomask fabrication using laser ablation. <i>Journal of Materials Processing Technology</i> , 2015, 216, 71-78.	6.3	6
266	3D near-field shaping of a focused aperture. , 2016, , .		6
267	Dual-band dual-polarized transmitarrays at Ka-band. , 2017, , .		6
268	Untargeted metabolomics unveil alterations of biomembranes permeability in human HaCaT keratinocytes upon 60%GHz millimeter-wave exposure. <i>Scientific Reports</i> , 2019, 9, 9343.	3.3	6
269	A Compact and Broadband Four-Way Dual Polarization Waveguide Power Divider for Antenna Arrays. , 2020, , .		6
270	Excitation of guided waves of grounded dielectric slab by a THz plane wave scattered from finite number of embedded graphene strips: Singular integral equation analysis. <i>IET Microwaves, Antennas and Propagation</i> , 2021, 15, 1171-1180.	1.4	6

#	ARTICLE	IF	CITATIONS
271	Numerical calibration in FDTD to compute complex reflection coefficient of periodic structures. Electronics Letters, 1998, 34, 2289.	1.0	5
272	57 GHz Gaussian beam antenna for wireless broadband communications. Electronics Letters, 2000, 36, 594.	1.0	5
273	Finite-difference time-domain simulations of the effects of air gaps in double-shell extended hemispherical lenses. IET Microwaves, Antennas and Propagation, 2010, 4, 35.	1.4	5
274	Efficient approach for fast synthesis of phased arrays with the aid of a hybrid genetic algorithm and a smart feed representation. , 2010, , .		5
275	Hybrid genetic algorithm for fast electromagnetic synthesis. , 2010, , .		5
276	A lumped-element directional coupler with arbitrary output amplitude and phase distributions. , 2012, , .		5
277	Mode matching method for the analysis of Substrate Integrated Waveguides. , 2012, , .		5
278	Design of a reconfigurable transmit-array at X-band frequencies. , 2012, , .		5
279	Advanced modeling of choke ring antennas for mm-wave applications. , 2012, , .		5
280	Exposure System and Dosimetry for In Vitro Studies of Biocompatibility of Pulse-Modulated RF Signals of Ultrahigh Field MRI. IEEE Transactions on Biomedical Engineering, 2013, 60, 3167-3175.	4.2	5
281	On Maximum Bandwidth of Rectangular Cavity Antennas With Broadside Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1709-1712.	4.0	5
282	Scalar near-field focusing in lossy media. , 2017, , .		5
283	Linearly-polarized electronically reconfigurable transmitarray antenna with 2-bit phase resolution in Ka-band. , 2017, , .		5
284	Untargeted Metabolomics Reveal Lipid Alterations upon 2-Deoxyglucose Treatment in Human HaCaT Keratinocytes. Journal of Proteome Research, 2018, 17, 1146-1157.	3.7	5
285	Low-Profile CTS Array in PCB Technology for K/Ka-Band Applications. , 2021, , .		5
286	Implementation of conductor losses in an FDTD algorithm combined with Floquet boundary conditions: Application to the study of millimeter-wave resonant cavities. Microwave and Optical Technology Letters, 1999, 22, 103-108.	1.4	4
287	$\text{KTa}_{0.5}\text{Nb}_{0.5}\text{O}_3$ ferroelectric thin films grown by pulsed laser deposition: structural characteristics and applications to microwave devices. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3298-3303.	0.8	4
288	Collimation and focusing of wave beams with metal-plate lens antennas analyzed using nystrom-type MDS algorithm. , 2008, , .		4

#	ARTICLE	IF	CITATIONS
289	Plasmon resonances in the H-wave scattering by a nanosize thin flat silver strip. , 2010, , .		4
290	2D Beam-steering with non-symmetrical beam using non-symmetrical integrated lens antenna. , 2012, , .		4
291	Design of medium-size dielectric bifocal lenses for wide-angle beam scanning antennas. , 2012, , .		4
292	Compact multibeam rotman lens antenna in SIW technology. , 2012, , .		4
293	Loss Reduction Technique in Ferroelectric Tunable Devices by Laser Microetching. Application to a CPW Stub Resonator in $\langle \text{inline-formula} \rangle \langle \text{tex-math notation="LaTeX"} \rangle \text{\$X\$} \langle \text{tex-math} \rangle \langle \text{inline-formula} \rangle$ -Band. IEEE Transactions on Electron Devices, 2014, 61, 4166-4170.	3.0	4
294	A switched phased array on a conical structure. , 2014, , .		4
295	A low-profile and high-gain continuous transverse stub antenna using PCB-air hybrid technology. , 2016, , .		4
296	Conformal phased array in a small conical shape for communications at 5.2 GHz. , 2016, , .		4
297	Comparison of Optimization Procedures for the Design of Continuous Parallel Plate Waveguide Multiple Beam Lens Antennas. , 2018, , .		4
298	Optimal Frequency of Operation and Radiation Efficiency Limitations of Implantable Antennas. , 2020, , .		4
299	Effects of Radiofrequency Radiation on Gene Expression: A Study of Gene Expressions of Human Keratinocytes From Different Origins. Bioelectromagnetics, 2020, 41, 552-557.	1.6	4
300	A Fast and Accurate Method of Synthesizing X-Wave Launchers by Metallic Horns. IEEE Access, 2021, 9, 1996-2006.	4.2	4
301	Local Dosimetry at Cellular and Subcellular Level in HF and Millimeter-Wave Bands. IEEE Journal of Microwaves, 2021, , 1-12.	6.5	4
302	Analysis and Efficient Design of Sub-THz Transmitarrays with Three Anisotropic Layers. , 2021, , .		4
303	High-Resolution Technique for Near-Field Power Density Measurement Accounting for Antenna/Body Coupling at Millimeter Waves. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 2151-2155.	4.0	4
304	Photonic-Enabled Beam Switching Mm-Wave Antenna Array. Journal of Lightwave Technology, 2022, 40, 632-639.	4.6	4
305	Compact Planar Beamformer Using Multiple Continuous Parallel-Plate Waveguide Delay Lenses. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 2229-2233.	4.0	4
306	FDTD analysis of reduced size substrate lens antennas. , 2004, , .		3

#	ARTICLE	IF	CITATIONS
307	Ultra-Wideband Wave Reactances of Capacitive Grids. Journal of Infrared, Millimeter and Terahertz Waves, 2004, 25, 1401-1421.	0.6	3
308	Lens Antennas for MM and SUB-MM Wave Applications. , 0, , .		3
309	Quasi axis-symmetric integrated lens antennas: Design rules and experimental/manufacturing trade-offs at millimeter-wave frequencies. Microwave and Optical Technology Letters, 2006, 48, 20-29.	1.4	3
310	Design of dielectric dome antennas with shaped and pencil beams at millimeter waves. , 2007, , .		3
311	Radiation and focusing of waves by hemielliptic dielectric lenses: 2-D analysis and optimization with boundary integral equations. , 2007, , .		3
312	Compact Fabry-Perot Cavities in x-band with PEC and PMC Boundary Conditions. , 2007, , .		3
313	Numerical and comparative study of the agility of planar transmission lines printed on a ferroelectric thin film. Microwave and Optical Technology Letters, 2007, 49, 280-285.	1.4	3
314	Size reduction of dielectric-loaded horn antennas combining a Body-of-Revolution (BoR) - FDTD solver and a Genetic Algorithm (GA). , 2008, , .		3
315	Reconfigurable multi-beam pillbox antenna for millimeter wave automotive radars. , 2009, , .		3
316	Mutual Coupling Reduction of Fabry-Perot SIW Feeds Using a Double Partially Reflecting Pin-Made Grid Configuration. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 647-650.	4.0	3
317	Skin-equivalent phantom for on-body antenna measurements at 60 GHz. , 2012, , .		3
318	Fabry-Perot-like resonances in the E-polarized electromagnetic plane wave scattering and absorption by a thin dielectric strip. , 2012, , .		3
319	Synthesized elliptical lens with optimized extension for focal array fed lens antennas. , 2012, , .		3
320	Design of a CPSS-based reflectarray cell with controllable reflected phase for dual-circularly-polarised reflectarrays. , 2012, , .		3
321	Iris-based 2-bit waveguide phase shifters and transmit-array for automotive radar applications. , 2012, , .		3
322	Efficient Computation of the Coupling Between a Vertical Line Source and a Slot. IEEE Transactions on Antennas and Propagation, 2013, 61, 6084-6093.	5.1	3
323	Guest Editorial for the Special Issue on Antennas and Propagation at mm- and Sub mm-Waves. IEEE Transactions on Antennas and Propagation, 2013, 61, 1502-1507.	5.1	3
324	Annular Cavity Horn Antenna Provides a Fivefold Increase of the Power Density in BEM Experiments in the 60-GHz Band. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1693-1696.	4.0	3

#	ARTICLE	IF	CITATIONS
325	A compact and high-gain Ka-band multibeam continuous transverse stub antenna. , 2015, , .		3
326	Circularly-polarized reconfigurable transmitarray in Ka-band. , 2016, , .		3
327	Low Scan Loss Bifocal Ka-band Transparent Transmitarray Antenna. , 2018, , .		3
328	A millimeter wave transparent transmitarray antenna using meshed double circle rings elements. , 2018, , .		3
329	Metasurface Antennas Embedded in Small Circular Cavities for Telemetry Applications. Applied Sciences (Switzerland), 2019, 9, 2496.	2.5	3
330	Equidispersive Dual-Mode Long Slot Arrays. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2127-2131.	4.0	3
331	Highly Efficient Broadband Pyramidal Horn Antenna With Integrated H-Plane Power Division. IEEE Transactions on Antennas and Propagation, 2022, 70, 1499-1504.	5.1	3
332	Multi-beam modulated metasurface antenna for 5G backhaul applications at K-band. Comptes Rendus Physique, 2021, 22, 47-52.	0.9	3
333	PARAMETER SELECTION IN PARTICLE SWARM OPTIMIZATION ALGORITHM FOR SYNTHESIS OF LINEAR ARRAYS WITH FLAT-TOP BEAMS. Telecommunications and Radio Engineering (English Translation of) Tj ETQq1 1 0.784314 0.81 /Overdock 10		3
334	Metal-only Reflecting Luneburg Lens Design for Sub-THz Applications. , 2021, , .		3
335	Circularly-Polarized GNSS Metasurface Antenna with Two Feed Points in a Sub-wavelength Metallic Cavity. , 2022, , .		3
336	Numerical studies of stripline-typed photonic band-gap (PBG) structures using finite difference time domain (FDTD) method. Journal of Computational Electronics, 2006, 5, 53-61.	2.5	2
337	Single- and double-shell shaped lens antennas with asymmetrical radiation characteristics. , 2006, , .		2
338	Lens shaping aimed at improvement of the beam-switching antenna off-axis properties. , 2007, , .		2
339	Shape optimization of lens antennas for Short Range and Long Range sensors at millimeter waves. , 2008, , .		2
340	A low loss reflectarray element based on a dielectric resonator antenna (DRA) with a parasitic strip. , 2008, , .		2
341	Application of MAS and FDTD for the design of 2-D EBC resonator antennas and dielectric/guided lenses. , 2008, , .		2
342	Beam diversity techniques based on Integrated Lens Antennas fed by beam-switching linear and planar printed antenna sub-arrays. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
343	Plasmon and grid resonances in the electromagnetic scattering by finite grids of silver nanowires. , 2010, , .		2
344	H-plane radiation patterns of rectangular waveguide aperture with a corrugated flange. , 2012, , .		2
345	Comparison between scrimp horns and stacked Fabry-Perot cavity antennas with small apertures. , 2012, , .		2
346	Design of printed antennas on reactive impedance substrates for circular polarization operation in S-band. , 2012, , .		2
347	Radiation and absorption of waves emitted by a radial dipole in the presence of a layered dielectric sphere with a spherical screen. IET Microwaves, Antennas and Propagation, 2012, 6, 1063.	1.4	2
348	Dual-grid multiresolution technique for electrically large BoRâ€FDTD simulation. Microwave and Optical Technology Letters, 2012, 54, 1714-1718.	1.4	2
349	Tissue-equivalent phantoms in the 60-GHz band and their application to the body-centric propagation studies. , 2014, , .		2
350	Diversity contribution of a versatile UHF RFID antenna system in portal applications. , 2014, , .		2
351	Indoor off-body channel measurements using miniaturized chip antennas with pattern diversity. , 2014, , .		2
352	Characterization of the body-centric propagation channel at 60 GHz in the presence of textiles. , 2014, , .		2
353	A millimeter-wave bessell beam launcher through the excitation of higher-order leaky modes. , 2014, , .		2
354	Distribution of energy absorption in an inhomogeneous head model at 900 MHz. IEEE Electromagnetic Compatibility Magazine, 2014, 3, 43-48.	0.1	2
355	A large imaging array in Ka band with a substrate integrated waveguide Pillbox beamformer. , 2014, , .		2
356	Inset-fed liquid metal patch antenna. , 2014, , .		2
357	Thermal model of skin-equivalent phantoms at 60 GHz. , 2015, , .		2
358	Experimental characterization of an X-band transmitarray with a reduced focal distance. , 2015, , .		2
359	Pattern shaping and synthesis of planar leaky-wave-based arrays for satellite communications. , 2015, , .		2
360	Leaky-wave-based dual-band phased array for satellite communications. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
361	Circularly-polarized reconfigurable unit-cell for transmitarray applications in Ka-band. , 2016, , .		2
362	Millington Effect and Propagation Enhancement in 60-GHz Body Area Networks. IEEE Transactions on Antennas and Propagation, 2016, 64, 776-781.	5.1	2
363	Broadband CTS antenna array at E-band. , 2017, , .		2
364	An LTCC beam-switching antenna with high beam overlap for 60-GHz mobile access points. , 2017, , .		2
365	Polarization Control of a Metal-Only Transmitarray Unit-Cell. , 2018, , .		2
366	Metal-only modulated metasurface antenna for Cubesat platforms. , 2019, , .		2
367	A Beam-Steering Transmitarray Antenna for 5G MIMO Channel Sounding in V-band. , 2019, , .		2
368	P-i-n Diode Based Electronically Steerable Transmitarrays for SOTM at Ka-Band. , 2020, , .		2
369	Electronically-Steerable Transmitarray Antennas for SATCOM Terminals: a System Perspective. , 2020, , .		2
370	Backward Scattering from a Circular Dielectric Rod with a Conformal Strip of Graphene. , 2020, , .		2
371	Exposure Assessment in Millimeter-Wave Reverberation Chamber Using Murine Phantoms. Bioelectromagnetics, 2020, 41, 121-135.	1.6	2
372	Compact and Highly Efficient Single and Dual Polarized Aperture Antennas with Integrated Multiport Overmoded Excitation. , 2021, , .		2
373	A 2:1 band frequency-agile active microstrip patch antenna. , 2007, , .		2
374	RECIPE FOR AN EFFICIENT HYBRID GENETIC ALGORITHM. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2011, 70, 1143-1158.	0.4	2
375	A Switchable Linear to Circular Polarization Converter Using PIN Diodes. , 2021, , .		2
376	Dual-Band, Dual-Linearly Polarized Transmitarrays for SATCOM Applications at Ka-Band. , 2022, , .		2
377	Wideband Dual-Circularly-Polarized Reflect-Arrays Based on Dual-Functional-Layer Cells With Berry-Phase Compensation at X-Band. IEEE Transactions on Antennas and Propagation, 2022, 70, 9924-9929.	5.1	2
378	Influence of residual air gaps on characteristics of circularly polarised aperture-coupled millimetre-wave microstrip antennas. Electronics Letters, 2003, 39, 889.	1.0	1

#	ARTICLE	IF	CITATIONS
379	Inversion of Fresnel equations for the determination of effective parameters of periodic resonant and non-resonant metamaterials. , 2005, , .		1
380	Anomalous frequency range of effective parameters of resonant negative refractive index metamaterials. , 2005, , .		1
381	Frequency beam scanning with EBG Fabry-Perot resonator. , 2005, , .		1
382	Far field millimetric band antenna test facility : Positioning procedure using phase measurements. , 2006, , .		1
383	Design and analysis of on-package dual-mode band pass filters for highly integrated wireless transceivers. Microwave and Optical Technology Letters, 2006, 48, 756-760.	1.4	1
384	Study on Wave Propagation and Boundary Absorption Performance using a Body-of-Revolution Finite-Difference Time-Domain (BOR-FDTD) Method. , 2006, , .		1
385	Reduced-size lenses for flat-top pattern antennas. , 2007, , .		1
386	Full wave synthesis of integrated lens antennas using FDTD and genetic algorithms. , 2007, , .		1
387	Synthesis of axisymmetric shaped dielectric dome antennas with shaped beams at 60 GHz. , 2007, , .		1
388	Role of edge illumination in hemielliptic dielectric lens antenna performance. , 2008, , .		1
389	Size reduction of synthesized elliptical substrate lenses using air cavities. , 2008, , .		1
390	Range of validity and accuracy of the hybrid GO-PO method for the analysis of reduced-size lens antennas: Benchmarking with BoR - FDTD. , 2008, , .		1
391	Synthesis of small axis-symmetrical shaped integrated lens antennas: Comparison between full-wave and high-frequency optimization strategies. , 2008, , .		1
392	Synthesizing layered dielectric cylindrical lens antennas. , 2008, , .		1
393	Dielectric resonator antenna reflectarray in Ka-band. , 2010, , .		1
394	Numerical algorithm for the scattering by imperfect strips using the nystrom-type discretization. , 2010, , .		1
395	Design of dielectric lens antennas for multibeam applications. , 2010, , .		1
396	Compact shaped horn antennas in metallized foam technology. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
397	Multi-beam leaky-wave antenna fed by a multi-layer integrated symmetric parabolic reflector. , 2010, , .		1
398	Plasmon and structure resonances in the scattering of light by a periodic chain of silver nanocylinders. , 2010, , .		1
399	Modification of the power radiated by an electrical dipole in the presence of a thin dielectric disk. , 2010, , .		1
400	IEEE Transactions on Antennas and Propagation Announces a Special Issue on "Antennas and Propagation at mm- and sub mm-waves" IEEE Antennas and Propagation Magazine, 2011, 53, 166-166.	1.4	1
401	Coplanar gratings of multiple thin noble-metal nano-strips as surface plasmon resonance structures. , 2011, , .		1
402	Radiatively coupled plasmons in the scattering of light by periodic grids of circular silver nanowires. , 2011, , .		1
403	Beam scanning folded reflectarray antenna with shifted waveguide positions. , 2013, , .		1
404	Bandwidth behavior of miniature square cavity microstrip antennas. , 2013, , .		1
405	Optimized analysis of slotted substrate integrated waveguides by a method-of-moments mode-matching hybrid approach. , 2013, , .		1
406	Unit-cell for dual-circular polarisation reflectarrays. , 2014, , .		1
407	Efficient analysis of lossy substrate integrated waveguide structures. , 2014, , .		1
408	Generation of non-diffractive bessel beams using leaky-wave modes. , 2014, , .		1
409	On-body propagation at 60 GHz: Impact of a textile presence. , 2014, , .		1
410	Circuit models explaining bandwidth behavior of small circular cavity backed patch antennas. , 2014, , .		1
411	Slotted ridged waveguide array designed with a reflection cancelling technique for multibeam applications in V-band. , 2015, , .		1
412	LHCP/RHCP reconfigurable transmitarray in Ka-band. , 2015, , .		1
413	Pillbox antenna with monopulse technique and wide scanning capabilities for tracking applications. , 2015, , .		1
414	Multi-beam slotted Waveguide pillbox antenna with reduced side lobe level and high beam crossover. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
415	Simulation of graphene-disk antenna with axially symmetric excitation using MAR and orthogonal polynomials. , 2016, , .		1
416	Amplitude monopulse pillbox antenna in SIW technology. , 2016, , .		1
417	A V-band antenna module based on vertical TEM waveguides fully integrated in LTCC. , 2016, , .		1
418	Broadband polarizer and leaky-wave antenna for low cost Ka-band applications. , 2016, , .		1
419	Equivalent circuit and scanning capabilities of long slot arrays with TEM parallel-feed excitation. , 2016, , .		1
420	Multilayer SIW Rotman lens antenna in 24 GHz band. , 2016, , .		1
421	Evaluation of currents induced in human body by plane wave exposure at 1â€“90 MHz. , 2017, , .		1
422	Enhancing breast cancer imaging at millimeter waves using focusing techniques. , 2017, , .		1
423	Experimental characterization of dual linearly polarized transmitarray antennas at X-band. , 2017, , .		1
424	Characterization of dual-band dual-linearly polarized transmitarray antennas. , 2017, , .		1
425	A Twofold Approach in Loss Reduction of $\text{KTa}_{0.5}\text{Nb}_{0.5}\text{O}_{3\text{}}$ Ferroelectric Layers for Low-Loss Tunable Devices at Microwaves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 665-671.	3.0	1
426	Metal-Only Transmitarray Based on C-Shaped Slot. , 2018, , .		1
427	2-bit Reconfigurable Circularly-Polarized Unit-Cell at Ka-band. , 2018, , .		1
428	K/Ka-Band Transmitarray Antennas Based on Polarization Twisted Unit-Cells. , 2018, , .		1
429	Scattering and Absorption of the H-polarized Plane Wave of THz Range by a Circularly Curved Graphene Strip in the Free Space. , 2019, , .		1
430	Some recent developments on modulated metasurface antennas. , 2019, , .		1
431	Influence of Body-Implanted Capsule Dimensions and Materials on Achievable Radiation Efficiency. , 2019, , .		1
432	Quasi-Optical Excitation of Modulated Metasurface Antennas. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
433	Optically-Controlled Unit-Cell for Transmitarrays at X-band. , 2019, , .		1
434	Design of a Reflecting Luneburg Lens by Metal-Only Metasurface. , 2020, , .		1
435	Millimeter-Wave Integrated Lens Antennas: A Review. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2007, 66, 817-825.	0.4	1
436	A Novel Right Handed Circular Polarization Folded Reflectarray Antenna at 60 GHz. International Journal of Electrical and Computer Engineering, 2017, 7, 1580.	0.7	1
437	Application of Fundamental In-Body Radiation Limitations to Practical Design of Antennas for Implantable Bioelectronics. , 2020, , .		1
438	Recent Achievements on Passive and Beam Steering Transmitarrays at Millimeter Waves. , 2021, , .		1
439	High Gain Low Profile CTS Antenna Array for Satcom Applications. , 2021, , .		1
440	Higher-Symmetries for Broadband Reflecting Luneburg Lenses at Ka-band. , 2022, , .		1
441	Synthesis and Characterization of a Focused-Beam Transmitarray Antenna at 300 GHz. , 2022, , .		1
442	Interactions between millimeter waves and artificial biological membranes. , 2005, , .		0
443	An EBG resonator antenna with a controllable directivity. , 2005, , .		0
444	60 GHz electromagnetic fields do not activate stress-sensitive gene expression. , 2005, , .		0
445	Local optimization of mm-wave integrated lens antennas. , 2005, , .		0
446	Analysis of a printed CPW-fed slot antenna using a lossy transmission-line model. Microwave and Optical Technology Letters, 2005, 44, 45-48.	1.4	0
447	Realization of millimeter-wave planar antennas on PDMS. , 0, , .		0
448	Effect of metallic helmet on the microwave absorption in a spherical phantom of a dipole antenna user head. , 2006, , .		0
449	A stepwise and effective procedure for impedance matching of slot-fed planar antennas. application to the design of wide band printed antennas and reconfigurable EBG resonator antennas. , 2006, , .		0
450	Ming-Sze Tong, Yinchao Chen, Qunsheng Cao, Mingwu Yang, and Ronan Sauleau, Design and analysis of on-package dual-mode band pass filters for highly integrated wireless transceivers, Microwave and Optical Technology Letters(2006) 48(4) 756-760. Microwave and Optical Technology Letters, 2006, 48, 1227-1227.	1.4	0

#	ARTICLE	IF	CITATIONS
451	Numerical analysis of PBG via structures using FDTD algorithm. Microelectronics International, 2006, 23, 4-9.	0.6	0
452	Do millimeter waves alter biomembranes non-thermally?. , 2006, , .		0
453	Exact Near Fields of 2-D Models of Extended Hemielliptic Lenses Made of Rexolite, Quartz and Silicon. , 0, , .		0
454	Radiation of Electromagnetic Waves by a Spherical-Circular Microstrip Antenna Excited with Elementary Dipoles Located on the Axis of Symmetry. , 2007, , .		0
455	Efficient body-of-revolution (BOR) FDTD solver applied to the analysis and synthesis of focusing and EBG antennas. , 2007, , .		0
456	Electromagnetic band-gap (EBG) structures using combined inductive and capacitive elements and chirping and tapering technique. Microelectronics International, 2007, 25, 15-20.	0.6	0
457	Assessment of design procedures of nearly axis-symmetric shaped lens antennas: A comparative study between 2-D and 3-D formulations. Microwave and Optical Technology Letters, 2007, 49, 615-622.	1.4	0
458	Comparison of two configurations of a four-reflector beam-waveguide for a large space communication facility. , 2008, , .		0
459	Interplay between the ray and mode effects in electromagnetic behavior of small-size hemielliptic dielectric lenses. , 2008, , .		0
460	Lens antennas with beam shaping capabilities at the feed level. , 2008, , .		0
461	Numerical and experimental approaches to millimeter-wave dosimetry for in vitro experiments. , 2008, , .		0
462	Full-wave consistent MDS-based simulation of a beam-waveguide circuit fragment for a deep space communication or radio astronomy antenna. , 2008, , .		0
463	Layer-to-layer ceramic stereolithography for the design of extended hemispherical lenses at 60 GHz. , 2008, , .		0
464	2-D analysis and synthesis of dielectric lens antennas with boundary integral equations. , 2008, , .		0
465	Recent advances in shape optimization techniques of 3-D integrated lens antennas. ESAIM: Proceedings and Surveys, 2008, 22, 88-95.	0.4	0
466	Simulation and performance comparison of ADE and PACO dual-reflector antenna models in 2-D using Nystrom-type MDS algorithm. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	0
467	Backscattering from thin magneto-dielectric strips at the edge-on incidence of the H-polarized plane wave. , 2010, , .		0
468	Mechanical scanning with a dual-layer pillbox antenna for millimeter-wave applications. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
469	Electromagnetic wave scattering by periodically structured chains of closely spaced sub-wavelength wires. , 2010, , .		0
470	Enhancement of plasmon resonances in the wave scattering by finite grids of circular silver wires. , 2010, , .		0
471	Resonant lenses as building blocks for advanced narrow-band integrated receivers. , 2010, , .		0
472	Near and far fields of perturbed whispering-gallery modes in a 2-D spiral-shaped active microcavity. , 2010, , .		0
473	Effective mode volume of a natural mode of an open dielectric resonator with an active region. , 2010, , .		0
474	H-wave scattering by a flat magneto-dielectric strip analyzed with the Nystrom-type numerical algorithm. , 2010, , .		0
475	Numerical study of electromagnetic field scattering by an electrically resistive disk. , 2010, , .		0
476	Plasmon-assisted scattering of light by a discrete corner made of silver nanowires. , 2011, , .		0
477	Surface plasmon resonances and gap size effects in multistrip nanoantennas. , 2011, , .		0
478	Scattering of Light by a Discrete Cross Made of Silver Nanowires. , 2011, , .		0
479	Dual Integral Equations and Analytical Regularization Technique in the Study of Purcell Effect for a Thin Dielectric Disk. , 2011, , .		0
480	Essentials of the Median-Line Integral Equation Technique for the Simulation of Scattering by Flat Metal Nano-Strips. , 2011, , .		0
481	Near and far fields of a kite-shaped dielectric resonator antenna. , 2012, , .		0
482	Performance of frequency-agile CPW resonators on thin film ferroelectric material. , 2012, , .		0
483	Resonant scattering of light by finite sparse configurations of silver nanowires. , 2012, , .		0
484	A compact directional coupler for use in beam-forming networks. , 2012, , .		0
485	Lumped-element unit cell for designing beam forming networks. , 2012, , .		0
486	A new synthesis technique for near-field focusing systems. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
487	SIW pillbox antenna with integrated beam-switching feeds for mutual coupling reduction between close-spaced sources. , 2013, , .		0
488	Effect of head heterogeneity on a cellular phone field. , 2013, , .		0
489	Periodicity assisted scattering and absorption of light by finite layered gratings of silver nanowires. , 2013, , .		0
490	Role of periodicity in the scattering by a cloud of randomly located plasmonic nanowires. , 2013, , .		0
491	Characterization of on-body communications at millimeter waves. , 2013, , .		0
492	Study of propagation along the body at 60 GHz with analytical models and skin-equivalent phantoms. , 2013, , .		0
493	Efficient analysis of SIW-based antenna geometries through a rigorous MoM mode-matching approach. , 2013, , .		0
494	Skin-Equivalent Phantoms, Propagation, and Antennas for Body-Centric Communications in the 60-GHz Band. , 2013, , .		0
495	Efficient computation of post-slot interactions in complex layered media with vertical interconnects. , 2014, , .		0
496	Automatically optimized near-field focusing radial line slot array. , 2014, , .		0
497	Wave scattering by one and many thin material strips: Singular integral equations, Meshless Nystrom discretization, and periodicity caused resonances. , 2014, , .		0
498	A radial line slot array focusing in the near field: Analysis and design. , 2014, , .		0
499	Distribution fitting for real-time off-body channel measurements. , 2014, , .		0
500	Bessel beam launchers at millimeter waves using higher-order leaky-wave modes. , 2014, , .		0
501	Advanced feed for a 60-GHz exposure chamber. , 2014, , .		0
502	Hybrid MoM/mode-matching method for SIW devices housing layered dielectric substrates. , 2014, , .		0
503	Numerical-asymptotic synergic approach for speeding up the filling time in a MoM/mode matching code for large SIW structures. , 2014, , .		0
504	Compact metallic antenna solutions for linear and circular polarization operation. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
505	Implementations of plane wave source for BoR-FDTD. , 2015, , .		0
506	A strategy for research projects to impact standards and regulatory bodies: The approach of the EU-funded project MiWaveS. , 2015, , .		0
507	2015 IEEE International Symposium on Antenna and Propagation and North American Radio Science Meeting Awards Banquet [Awards]. IEEE Antennas and Propagation Magazine, 2015, 57, 6-147.	1.4	0
508	Physical optics modeling of a pillbox as a beam forming network for a large imaging system in satellite communications. , 2015, , .		0
509	SIW multilayer Rotman lens antenna in the 24-GHz band. , 2015, , .		0
510	SIW multilayer Rotman lens antenna in the 24-GHz band. , 2015, , .		0
511	Design and experimental validation of leaky-wave bessel-beam launchers at millimeter-wave frequencies. , 2016, , .		0
512	3D focal spot manipulation at millimeter waves. , 2016, , .		0
513	Imaging system fed by a quasi-optical beam-forming network for Ka-band satellite applications. , 2016, , .		0
514	Performance of radiation pattern and polarization diversity for body-centric applications at 2.45 GHz. , 2016, , .		0
515	Split aperture decoupling method applied to multi-beam pillbox antennas for large coverage, high crossover and low side lobe levels. , 2016, , .		0
516	Irregular superstrate array for the reduction of the side lobe level in satcom user terminal antennas. , 2016, , .		0
517	A long slot array fed by a multilayer true-time delay network in LTCC for 60-GHz communications. , 2016, , .		0
518	Wideband multibeam arrays of long slots fed by quasi-optical systems. , 2017, , .		0
519	Parallel fed $2\tilde{A}-1$ antenna array utilizing surface wave cancellation on LTCC substrate. , 2017, , .		0
520	Design of a 3-Facet Linearly-Polarized Transmitarray Antenna at Ka-band. , 2018, , .		0
521	Ensuring Robust and Tissue-Independent Operation of Implantable, Ingestible, and Injectable Antennas. , 2019, , .		0
522	Modeling of circularly-polarized CTS arrays. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
523	Terahertz Range Elementary Dipole Excitation of a Thin Dielectric Disk Sandwiched between Two Graphene Covers: Integral Equation Analysis. , 2019, , .		0
524	Radiation Performance of Highly Miniaturized Implantable Devices. , 2019, , .		0
525	Design of a Quasi-Optical Si/GaAs W-Band Beam-Forming Metasurface Antenna. , 2019, , .		0
526	Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics. , 2020, , .		0
527	Quasi-Optical Excitation of a Circularly-Polarized Metasurface Antenna at K-band. , 2020, , .		0
528	An Asymptotic Approach for the Scan Impedance in Infinite Phased Arrays of Dipoles. IEEE Transactions on Antennas and Propagation, 2021, , 1-1.	5.1	0
529	High-resolution near-field measurements accounting for antenna/body coupling around 60 GHz. , 2021, , .		0
530	Design of Broadband Reflecting Luneburg Lenses by Higher Symmetries. , 2021, , .		0
531	Tunable stub resonators on KTN ferroelectric thin films. , 2007, , .		0
532	Comparative Research on the Adequacy of GO/PO-, FDTD-, and IE-Based Numerical Algorithms for Analyzing Compact Dielectric Lenses in MM and SubMM Integrated Antennas. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz and Radiotekhnika), 2009, 68, 1-26.	0.4	0
533	Low-profile CTS Antenna with Circular Polarization for SatCom Applications in PCB Technology. , 2021, , .		0
534	Plasmon Resonance of Graphene Strip Placed on Dielectric Rod in the Microwave Range. , 2020, , .		0
535	GENERALIZED DESIGN METHODOLOGY OF HIGHLY EFFICIENT QUAD-FURCATED PROFILED HORNS WITH LARGER APERTURES. Progress in Electromagnetics Research M, 2022, 111, 1-12.	0.9	0
536	Wideband High-Gain Transmitarray Antenna for Point-to-Point Communications at 300 GHz. , 2022, , .		0