

# Ronan Sauleau

## List of Publications by Year in descending order

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535  
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docs citations

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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.	3.1	242
2	Wideband Low-Loss Linear and Circular Polarization Transmit-Arrays in V-Band. IEEE Transactions on Antennas and Propagation, 2011, 59, 2513-2523.	3.1	220
3	A Compact UWB Antenna for On-Body Applications. IEEE Transactions on Antennas and Propagation, 2011, 59, 1123-1131.	3.1	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.	3.1	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.	1.5	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.	3.1	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.	3.1	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.	3.1	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.	3.1	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.	1.2	114
11	Wearable Endfire Textile Antenna for On-Body Communications at 60 GHz. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 799-802.	2.4	106
12	Performance of reduced size substrate lens antennas for Millimeter-wave communications. IEEE Transactions on Antennas and Propagation, 2005, 53, 1278-1286.	3.1	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.	3.1	102
14	Continuous Transverse Stub Array for Ka-Band Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 4792-4800.	3.1	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.	3.1	94
16	Polydimethylsiloxane membranes for millimeter-wave planar ultra flexible antennas. Journal of Micromechanics and Microengineering, 2006, 16, 2389-2395.	1.5	93
17	Optical Theorem Helps Understand Thresholds of Lasing in Microcavities With Active Regions. IEEE Journal of Quantum Electronics, 2011, 47, 20-30.	1.0	93
18	Robust Ultraminiature Capsule Antenna for Ingestible and Implantable Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6107-6119.	3.1	93

#	ARTICLE	IF	CITATIONS
19	Wideband Circularly Polarized Patch Antennas on Reactive Impedance Substrates. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1015-1018.	2.4	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.	1.7	85
21	Circularly Polarized Transmitarray With Sequential Rotation in Ka-Band. IEEE Transactions on Antennas and Propagation, 2015, 63, 5118-5124.	3.1	85
22	Dual-Band Transmitarrays With Dual-Linear Polarization at Ka-Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 7009-7018.	3.1	82
23	60-GHz Textile Antenna Array for Body-Centric Communications. IEEE Transactions on Antennas and Propagation, 2013, 61, 1816-1824.	3.1	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.	3.1	80
25	Design of Wideband Dual Linearly Polarized Transmitarray Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 2022-2026.	3.1	80
26	1-Bit Reconfigurable Unit Cell for Ka-Band Transmitarrays. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 560-563.	2.4	80
27	A Multilayer LTCC Solution for Integrating 5G Access Point Antenna Modules. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2272-2283.	2.9	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.	3.1	76
29	Compact Ka-Band Lens Antennas for LEO Satellites. IEEE Transactions on Antennas and Propagation, 2008, 56, 1251-1258.	3.1	75
30	2 Bit Reconfigurable Unit-Cell and Electronically Steerable Transmitarray at Ka-Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 5003-5008.	3.1	75
31	SIW Slotted Waveguide Array With Pillbox Transition for Mechanical Beam Scanning. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1572-1575.	2.4	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.	3.1	73
33	Design and Optimization of Three-Dimensional Integrated Lens Antennas With Genetic Algorithm. IEEE Transactions on Antennas and Propagation, 2007, 55, 770-775.	3.1	71
34	On-Body Propagation at 60 GHz. IEEE Transactions on Antennas and Propagation, 2013, 61, 1876-1888.	3.1	67
35	Additive Manufactured Metal-Only Modulated Metasurface Antennas. IEEE Transactions on Antennas and Propagation, 2018, 66, 6106-6114.	3.1	67
36	Multifunctional Flexible Sensor Based on Laser-Induced Graphene. Sensors, 2019, 19, 3477.	2.1	66

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37	Single-Folded Leaky-Wave Antennas for Automotive Radars at 77 GHz. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 859-862.	2.4	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.	2.4	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.	3.1	62
40	Broadband Tissue-Equivalent Phantom for BAN Applications at Millimeter Waves. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2259-2266.	2.9	61
41	Self-Polarizing Fabry-Perot Antennas Based on Polarization Twisting Element. IEEE Transactions on Antennas and Propagation, 2013, 61, 1032-1040.	3.1	57
42	A Millimeter-Wave Multibeam Transparent Transmitarray Antenna at Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 631-635.	2.4	56
43	Low-threshold lasing eigenmodes of an infinite periodic chain of quantum wires. Optics Letters, 2010, 35, 3634.	1.7	55
44	Self-Generation of Circular Polarization Using Compact Fabry-Perot Cavity Antennas. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 907-910.	2.4	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.	3.1	54
46	Circularly Polarized Transmitarray Antennas at Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1204-1208.	2.4	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.	3.1	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.	3.1	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.	3.1	53
50	DUAL INTEGRAL EQUATIONS TECHNIQUE IN ELECTROMAGNETIC WAVE SCATTERING BY A THIN DISK. Progress in Electromagnetics Research B, 2009, 16, 107-126.	0.7	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.	0.8	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.	2.9	51
53	Dual Circularly Polarized Reflectarray With Independent Control of Polarizations. IEEE Transactions on Antennas and Propagation, 2015, 63, 1877-1881.	3.1	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.	2.4	50

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55	Higher-Order Leaky-Mode Bessel-Beam Launcher. IEEE Transactions on Antennas and Propagation, 2016, 64, 904-913.	3.1	50
56	Effective parameters of resonant negative refractive index metamaterials: Interpretation and validity. Journal of Applied Physics, 2005, 98, 063505.	1.1	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.	3.1	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.	3.1	48
59	Effect of Periodicity in the Resonant Scattering of Light by Finite Sparse Configurations of Many Silver Nanowires. Plasmonics, 2014, 9, 389-407.	1.8	48
60	Very Broadband Extended Hemispherical Lenses: Role of Matching Layers for Bandwidth Enlargement. IEEE Transactions on Antennas and Propagation, 2009, 57, 1907-1913.	3.1	47
61	Performance of Hemielliptic Dielectric Lens Antennas With Optimal Edge Illumination. IEEE Transactions on Antennas and Propagation, 2009, 57, 2193-2198.	3.1	47
62	Human skin permittivity models for millimetre-wave range. Electronics Letters, 2011, 47, 427.	0.5	47
63	Novel Phase Shifter Design Based on Substrate-Integrated-Waveguide Technology. IEEE Microwave and Wireless Components Letters, 2012, 22, 518-520.	2.0	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.	3.1	47
65	Electromagnetic Radiation Efficiency of Body-Implanted Devices. Physical Review Applied, 2018, 9, .	1.5	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.	3.1	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.	3.1	44
68	Polarized Beams Using Scalar Metasurfaces. IEEE Transactions on Antennas and Propagation, 2016, 64, 3391-3400.	3.1	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.	3.1	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.	3.1	42
71	Focal Distance Reduction of Transmit-Array Antennas Using Multiple Feeds. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1311-1314.	2.4	40
72	1.9-THz Multiflare Angle Horn Optimization for Space Instruments. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 914-921.	2.0	40

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73	Active Impedance of Infinite Parallel-Fed Continuous Transverse Stub Arrays. IEEE Transactions on Antennas and Propagation, 2015, 63, 3291-3297.	3.1	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.	2.9	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.	3.1	37
76	Broadband graded index Gutman lens with a wide field of view utilizing artificial dielectrics: a design methodology. Optics Express, 2020, 28, 14648.	1.7	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.	3.1	36
78	SIW Pillbox Antenna for Monopulse Radar Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 3918-3927.	3.1	36
79	Radiation Pattern Synthesis for Monopulse Radar Applications With a Reconfigurable Transmitarray Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 4148-4154.	3.1	36
80	Radiation characteristics and performance of millimeter-wave horn-fed gaussian beam antennas. IEEE Transactions on Antennas and Propagation, 2003, 51, 378-387.	3.1	35
81	Low-power millimeter wave radiations do not alter stress-sensitive gene expression of chaperone proteins. Bioelectromagnetics, 2007, 28, 188-196.	0.9	35
82	Numerical and Experimental Millimeter-Wave Dosimetry for In Vitro Experiments. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2998-3007.	2.9	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.	1.1	35
84	Optimization Procedure for Planar Leaky-Wave Antennas With Flat-Topped Radiation Patterns. IEEE Transactions on Antennas and Propagation, 2015, 63, 5854-5859.	3.1	35
85	Impact of Tissue Electromagnetic Properties on Radiation Performance of In-Body Antennas. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1440-1444.	2.4	35
86	Complex permittivity of representative biological solutions in the 2â€“67â€‰GHz range. Bioelectromagnetics, 2012, 33, 346-355.	0.9	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.	3.1	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.	2.9	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.	2.9	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.	3.1	33

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91	Optimal Radiation of Body-Implanted Capsules. Physical Review Letters, 2019, 122, 108101.	2.9	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.	0.9	31
94	Whole-genome expression analysis in primary human keratinocyte cell cultures exposed to 60%GHz radiation. Bioelectromagnetics, 2012, 33, 147-158.	0.9	31
95	Effect of Textile on the Propagation Along the Body at 60 GHz. IEEE Transactions on Antennas and Propagation, 2014, 62, 1489-1494.	3.1	31
96	Shaped Continuous Parallel Plate Delay Lens With Enhanced Scanning Performance. IEEE Transactions on Antennas and Propagation, 2019, 67, 6695-6704.	3.1	31
97	A Conformal, Dynamic Pattern-Reconfigurable Antenna Using Conductive Textile-Polymer Composite. IEEE Transactions on Antennas and Propagation, 2021, 69, 6175-6184.	3.1	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.	3.1	30
99	State of knowledge on biological effects at 40-60 GHz. Comptes Rendus Physique, 2013, 14, 402-411.	0.3	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.	2.4	30
102	Dielectric-Loaded Conformal Microstrip Antennas for Versatile In-Body Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2686-2690.	2.4	30
103	Immune-to-Detuning Wireless In-Body Platform for Versatile Biotelemetry Applications. IEEE Transactions on Biomedical Circuits and Systems, 2019, 13, 403-412.	2.7	30
104	A Conformal Band-Notched Ultrawideband Antenna With Monopole-Like Radiation Characteristics. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 203-207.	2.4	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.	0.7	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.	3.1	29
108	SIW Rotman Lens Antenna With Ridged Delay Lines and Reduced Footprint. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3136-3144.	2.9	29



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109	Integral Equation Analysis of Terahertz Backscattering From Circular Dielectric Rod With Partial Graphene Cover. IEEE Journal of Quantum Electronics, 2020, 56, 1-8.	1.0	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.	1.1	29
111	Human skin-equivalent phantom for on-body antenna measurements in 60GHz band. Electronics Letters, 2012, 48, 67.	0.5	28
112	Low-Cost Metal-Only Transmitarray Antennas at Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1243-1247.	2.4	28
113	Truncated Leaky-Wave Antenna With Cosecant-Squared Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 841-844.	2.4	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.	1.9	27
115	Reflectarray element based on strip-loaded dielectric resonator antenna. Electronics Letters, 2008, 44, 664.	0.5	26
116	Assessment of FDTD Accuracy in the Compact Hemielliptic Dielectric Lens Antenna Analysis. IEEE Transactions on Antennas and Propagation, 2008, 56, 758-764.	3.1	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.	3.1	26
118	Flat-Shaped Dielectric Lens Antenna for 60-GHz Applications. IEEE Transactions on Antennas and Propagation, 2011, 59, 4041-4048.	3.1	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.	3.1	26
120	A NOVEL OF RECONFIGURABLE PLANAR ANTENNA ARRAY (RPAA) WITH BEAM STEERING CONTROL. Progress in Electromagnetics Research B, 2010, 20, 125-146.	0.7	25
121	Design and Experimental Validation of a Mode-Stirred Reverberation Chamber at Millimeter Waves. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 12-21.	1.4	25
122	Reconfigurable CTS Antenna Fully Integrated in PCB Technology for 5G Backhaul Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 3609-3618.	3.1	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 <sub>0.5</sub> Nb <sub>0.5</sub> O <sub>3</sub> thin film. Applied Physics Letters, 2011, 99, 092904.	1.5	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.	2.4	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.	3.1	24



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127	Compact Folded Fresnel Zone Plate Lens Antenna for mm-Wave Communications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 873-876.	2.4	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.	3.1	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.	3.1	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.	2.4	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.	3.1	23
133	Enhancement of On-Body Propagation at 60 GHz Using Electro Textiles. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 603-606.	2.4	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.	3.1	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.	1.1	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.	2.4	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.	3.1	22
138	Millimeter waves as a source of selective heating of skin. Bioelectromagnetics, 2015, 36, 464-475.	0.9	22
139	Wideband Antenna in Cavity Based on Metasurfaces. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1053-1056.	2.4	22
140	Experimental Validation of a 2-Bit Reconfigurable Unit-Cell for Transmitarrays at Ka-Band. IEEE Access, 2020, 8, 114991-114997.	2.6	22
141	Dual-Band Transmitarray With Low Scan Loss for Satcom Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 1775-1780.	3.1	22
142	DESIGN OF RECONFIGURABLE MULTIPLE ELEMENTS MICROSTRIP RECTANGULAR LINEAR ARRAY ANTENNA. Progress in Electromagnetics Research C, 2009, 6, 21-35.	0.6	21
143	Seeing the order in a mess: optical signature of periodicity in a cloud of plasmonic nanowires. Optics Express, 2014, 22, 28190.	1.7	21
144	Impact of 60GHz millimeter waves and corresponding heat effect on endoplasmic reticulum stress sensor gene expression. Bioelectromagnetics, 2014, 35, 444-451.	0.9	21

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145	Solid Phantom for Body-Centric Propagation Measurements at 60 GHz. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 1373-1380.	2.9	21
146	Dual-Circularly Polarized High-Gain Transmitarray Antennas at $Ka$ -Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 7223-7227.	3.1	21
147	Study of narrow band millimeter-wave potential interactions with endoplasmic reticulum stress sensor genes. Bioelectromagnetics, 2009, 30, 365-373.	0.9	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.	3.1	20
150	Multibeam Si/GaAs Holographic Metasurface Antenna at $W$ -Band. IEEE Transactions on Antennas and Propagation, 2021, 69, 3523-3528.	3.1	20
151	Microfluidically Tunable Microstrip Filters. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2245-2252.	2.9	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.	2.4	19
153	Antenna/Body Coupling in the Near-Field at 60 GHz: Impact on the Absorbed Power Density. Applied Sciences (Switzerland), 2020, 10, 7392.	1.3	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.	0.6	18
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