Ronan Sauleau

List of Publications by Year
in descending order

535	9,648	38660 50	69108 77
papers	citations	h-index	g-index

538	538	538	4755
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Efficient Broadband Pyramidal Horn Antenna With Integrated H-Plane Power Division. IEEE Transactions on Antennas and Propagation, 2022, 70, 1499-1504.	3.1	3
2	Photonic-Enabled Beam Switching Mm-Wave Antenna Array. Journal of Lightwave Technology, 2022, 40, 632-639.	2.7	4
3	High-Resolution Model of Human Skin Appendages for Electromagnetic Dosimetry at Millimeter Waves. IEEE Journal of Microwaves, 2022, 2, 214-227.	4.9	7
4	Quad-Furcated Profiled Horn: The Next Generation Highly Efficient GEO Antenna in Additive Manufacturing. IEEE Open Journal of Antennas and Propagation, 2022, 3, 69-82.	2.5	12
5	Reconfigurable Dual-Band Capsule-Conformal Antenna Array for In-Body Bioelectronics. IEEE Transactions on Antennas and Propagation, 2022, 70, 3749-3761.	3.1	17
6	Ultra-Low-Profile Continuous Transverse Stub Array for SatCom Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 4459-4471.	3.1	8
7	Higher-Symmetries for Broadband Reflecting Luneburg Lenses at Ka-band. , 2022, , .		1
8	Synthesis and Characterization of a Focused-Beam Transmitarray Antenna at 300 GHz. , 2022, , .		1
9	Circularly-Polarized GNSS Metasurface Antenna with Two Feed Points in a Sub-wavelength Metallic Cavity. , 2022, , .		3
10	Dual-Band, Dual-Linearly Polarized Transmitarrays for SATCOM Applications at Ka-Band. , 2022, , .		2
11	GENERALIZED DESIGN METHODOLOGY OF HIGHLY EFFICIENT QUAD-FURCATED PROFILED HORNS WITH LARGER APERTURES. Progress in Electromagnetics Research M, 2022, 111, 1-12.	0.5	0
12	Wideband High-Gain Transmitarray Antenna for Point-to-Point Communications at 300 GHz. , 2022, , .		0
13	Compact Planar Beamformer Using Multiple Continuous Parallel-Plate Waveguide Delay Lenses. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 2229-2233.	2.4	4
14	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.	3.1	2
15	Multibeam Si/GaAs Holographic Metasurface Antenna at W-Band. IEEE Transactions on Antennas and Propagation, 2021, 69, 3523-3528.	3.1	20
16	Enhancement of Penetration of Millimeter Waves by Field Focusing Applied to Breast Cancer Detection. IEEE Transactions on Biomedical Engineering, 2021, 68, 959-966.	2.5	16
17	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.	3.1	11
18	Dual-Band Transmitarray With Low Scan Loss for Satcom Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 1775-1780.	3.1	22

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19	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
20	A Fast and Accurate Method of Synthesizing X-Wave Launchers by Metallic Horns. IEEE Access, 2021, 9, 1996-2006.	2.6	4
21	Dual-Band Dual-Linearly Polarized Transmitarray at Ka-Band. , 2021, , .		10
22	A Conformal, Dynamic Pattern-Reconfigurable Antenna Using Conductive Textile-Polymer Composite. IEEE Transactions on Antennas and Propagation, 2021, 69, 6175-6184.	3.1	31
23	Local Dosimetry at Cellular and Subcellular Level in HF and Millimeter-Wave Bands. IEEE Journal of Microwaves, 2021, , 1-12.	4.9	4
24	Compact and Highly Efficient Single and Dual Polarized Aperture Antennas with Integrated Multiport Overmoded Excitation. , 2021, , .		2
25	Four-Way Orthomode Waveguide Power Dividers: Subtractive and Additive Manufacturing. , 2021, , .		9
26	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.	3.1	16
27	Analysis and Efficient Design of Sub-THz Transmitarrays with Three Anisotropic Layers. , 2021, , .		4
28	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.	2.8	10
29	Low-Profile CTS Array in PCB Technology for K/Ka-Band Applications. , 2021, , .		5
30	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. IET Microwaves, Antennas and Propagation, 2021, 15, 1171-1180.	0.7	6
31	Multi-beam modulated metasurface antenna for 5G backhaul applications at K-band. Comptes Rendus Physique, 2021, 22, 47-52.	0.3	3
32	Physical Bounds on Implant Powering Efficiency Using Body-Conformal WPT Systems. , 2021, , .		7
33	Frequency-Tunable Slot-Loop Antenna Based on KNN Ferroelectric Interdigitated Varactors. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1414-1418.	2.4	7
34	Design and Measurements of a High-Performance Wideband Transmitarray Antenna for D-Band Communications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1765-1769.	2.4	12
35	An Asymptotic Approach for the Scan Impedance in Infinite Phased Arrays of Dipoles. IEEE Transactions on Antennas and Propagation, 2021, , 1-1.	3.1	0
36	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.	2.4	4

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37	Antenna/Human Body Coupling in 5G Millimeter-Wave Bands: Do Age and Clothing Matter?. IEEE Journal of Microwaves, 2021, 1, 593-600.	4.9	9
38	High-resolution near-field measurements accounting for antenna/body coupling around 60 GHz. , 2021, , .		0
39	Design of Broadband Reflecting Luneburg Lenses by Higher Symmetries. , 2021, , .		0
40	A Switchable Linear to Circular Polarization Converter Using PIN Diodes. , 2021, , .		2
41	Recent Achievements on Passive and Beam Steering Transmitarrays at Millimeter Waves. , 2021, , .		1
42	Low-profile CTS Antenna with Circular Polarization for SatCom Applications in PCB Technology. , 2021, , .		0
43	Metal-only Reflecting Luneburg Lens Design for Sub-THz Applications. , 2021, , .		3
44	High Gain Low Profile CTS Antenna Array for Satcom Applications. , 2021, , .		1
45	Broadband Passive Two-Feed-Per-Beam Pillbox Architecture for High Beam Crossover Level. IEEE Transactions on Antennas and Propagation, 2020, 68, 575-580.	3.1	10
46	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
47	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
48	A Conformal Band-Notched Ultrawideband Antenna With Monopole-Like Radiation Characteristics. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 203-207.	2.4	30
49	Towards a Si/GaAs Based Flat-Panel Quasi-Optical Metasurface Antenna with Switchable Beam Characteristics. , 2020, , .		0
50	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
51	Quasi-Optical Excitation of a Circularly-Polarized Metasurface Antenna at K-band. , 2020, , .		0
52	Equidispersive Dual-Mode Long Slot Arrays. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2127-2131.	2.4	3
53	A Compact and Broadband Four-Way Dual Polarization Waveguide Power Divider for Antenna Arrays. , 2020, , .		6
54	P-i-n Diode Based Electronically Steerable Transmitarrays for SOTM at Ka-Band. , 2020, , .		2

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55	Optimal Frequency of Operation and Radiation Efficiency Limitations of Implantable Antennas. , 2020, , .		4
56	Effects of Radiofrequency Radiation on Gene Expression: A Study of Gene Expressions of Human Keratinocytes From Different Origins. Bioelectromagnetics, 2020, 41, 552-557.	0.9	4
57	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
58	Dual-Circularly Polarized High-Gain Transmitarray Antennas at Ka-Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 7223-7227.	3.1	21
59	Electronically-Steerable Transmitarray Antennas for SATCOM Terminals: a System Perspective. , 2020, , .		2
60	Backward Scattering from a Circular Dielectric Rod with a Conformal Strip of Graphene. , 2020, , .		2
61	Experimental Validation of a 2-Bit Reconfigurable Unit-Cell for Transmitarrays at Ka-Band. IEEE Access, 2020, 8, 114991-114997.	2.6	22
62	A Photonically-Excited Leaky-Wave Antenna Array at E-Band for 1-D Beam Steering. Applied Sciences (Switzerland), 2020, 10, 3474.	1.3	9
63	Analysis of Circularly Polarized CTS Arrays. IEEE Transactions on Antennas and Propagation, 2020, 68, 4571-4582.	3.1	15
64	Tetragonal tungsten bronze phase thin films in the Kâ€“Naâ€“Nbâ€“O system: Pulsed laser deposition, structural and dielectric characterizations. Journal of Alloys and Compounds, 2020, 827, 154341.	2.8	7
65	Exposure Assessment in Millimeterâ€Wave Reverberation Chamber Using Murine Phantoms. Bioelectromagnetics, 2020, 41, 121-135.	0.9	2
66	Design of a Reflecting Luneburg Lens by Metal-Only Metasurface. , 2020, , .		1
67	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
68	Application of Fundamental In-Body Radiation Limitations to Practical Design of Antennas for Implantable Bioelectronics. , 2020, , .		1
69	Plasmon Resonance of Graphene Strip Placed on Dielectric Rod in the Microwave Range. , 2020, , .		0
70	Multifunctional Flexible Sensor Based on Laser-Induced Graphene. Sensors, 2019, 19, 3477.	2.1	66
71	Shaped Continuous Parallel Plate Delay Lens With Enhanced Scanning Performance. IEEE Transactions on Antennas and Propagation, 2019, 67, 6695-6704.	3.1	31
72	Metasurface Antennas Embedded in Small Circular Cavities for Telemetry Applications. Applied Sciences (Switzerland), 2019, 9, 2496.	1.3	3

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73	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
74	Ensuring Robust and Tissue-Independent Operation of Implantable, Ingestible, and Injectable Antennas. , 2019, , .		0
75	Untargeted metabolomics unveil alterations of biomembranes permeability in human HaCaT keratinocytes upon 60â€‰GHz millimeter-wave exposure. Scientific Reports, 2019, 9, 9343.	1.6	6
76	Compact GNSS Metasurface-Inspired Cavity Antennas. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2652-2656.	2.4	11
77	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
78	Millimeterâ€Wave Heating in In Vitro Studies: Effect of Convection in Continuous and Pulseâ€Modulated Regimes. Bioelectromagnetics, 2019, 40, 553-568.	0.9	7
79	Metal-only modulated metasurface antenna for Cubesat platforms. , 2019, , .		2
80	Dielectric-Loaded Conformal Microstrip Antennas for Versatile In-Body Applications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2686-2690.	2.4	30
81	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
82	Scattering and Absorption of the H-polarized Plane Wave of THz Range by a Circularly Curved Graphene Strip in the Free Space. , 2019, , .		1
83	Near-Field Multibeam Generation by Tensorial Metasurfaces. IEEE Transactions on Antennas and Propagation, 2019, 67, 6068-6075.	3.1	9
84	Circularly Polarized Fabryâ€“Perot Antenna Using a Hybrid Leaky-Wave Mode. IEEE Transactions on Antennas and Propagation, 2019, 67, 5867-5876.	3.1	10
85	Low-Cost Metal-Only Transmitarray Antennas at Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1243-1247.	2.4	28
86	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
87	Optimal Radiation of Body-Implanted Capsules. Physical Review Letters, 2019, 122, 108101.	2.9	33
88	A Millimeter-Wave Multibeam Transparent Transmitarray Antenna at Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 631-635.	2.4	56
89	Modeling of circularly-polarized CTS arrays. , 2019, , .		0
90	Some recent developments on modulated metasurface antennas. , 2019, , .		1

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91	Terahertz Range Elementary Dipole Excitation of a Thin Dielectric Disk Sandwiched between Two Graphene Covers: Integral Equation Analysis. , 2019, , .		0
92	Influence of Body-Implanted Capsule Dimensions and Materials on Achievable Radiation Efficiency. , 2019, , .		1
93	A Beam-Steering Transmitarray Antenna for 5G MIMO Channel Sounding in V-band. , 2019, , .		2
94	Quasi-Optical Excitation of Modulated Metasurface Antennas. , 2019, , .		1
95	Radiation Performance of Highly Miniaturized Implantable Devices. , 2019, , .		0
96	Design of a Quasi-Optical Si/GaAs W-Band Beam-Forming Metasurface Antenna. , 2019, , .		0
97	Millimeter-wave pulsed heating in vitro: cell mortality and heat shock response. Scientific Reports, 2019, 9, 15249.	1.6	9
98	Optically-Controlled Unit-Cell for Transmitarrays at X-band. , 2019, , .		1
99	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
100	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
101	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
102	Electromagnetic Radiation Efficiency of Body-Implanted Devices. Physical Review Applied, 2018, 9, .	1.5	45
103	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
104	A Twofold Approach in Loss Reduction of KTa_{0.5}Nb_{0.5}O₃ Ferroelectric Layers for Low-Loss Tunable Devices at Microwaves. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 665-671.	1.7	1
105	Untargeted Metabolomics Reveal Lipid Alterations upon 2-Deoxyglucose Treatment in Human HaCaT Keratinocytes. Journal of Proteome Research, 2018, 17, 1146-1157.	1.8	5
106	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
107	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
108	Compact Folded Fresnel Zone Plate Lens Antenna for mm-Wave Communications. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 873-876.	2.4	24

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109	Truncated Leaky-Wave Antenna With Cosecant-Squared Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 841-844.	2.4	27
110	Integrated Lens Antennas. Signals and Communication Technology, 2018, , 3-36.	0.4	7
111	Metal-Only Transmitarray Based on C-Shaped Slot. , 2018, , .		1
112	Low Scan Loss Bifocal Ka-band Transparent Transmitarray Antenna. , 2018, , .		3
113	Design of a 3-Facet Linearly-Polarized Transmitarray Antenna at Ka-band. , 2018, , .		0
114	Polarization Control of a Metal-Only Transmitarray Unit-Cell. , 2018, , .		2
115	A millimeter wave transparent transmitarray antenna using meshed double circle rings elements. , 2018, , .		3
116	2-bit Reconfigurable Circularly-Polarized Unit-Cell at Ka-band. , 2018, , .		1
117	Comparison of Optimization Procedures for the Design of Continuous Parallel Plate Waveguide Multiple Beam Lens Antennas. , 2018, , .		4
118	K/Ka-Band Transmitarray Antennas Based on Polarization Twisted Unit-Cells. , 2018, , .		1
119	Additive Manufactured Metal-Only Modulated Metasurface Antennas. IEEE Transactions on Antennas and Propagation, 2018, 66, 6106-6114.	3.1	67
120	Circularly Polarized Transmitarray Antennas at Ka-Band. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 1204-1208.	2.4	54
121	K x Na1â^'xNbO3 perovskite thin films grown by pulsed laser deposition on R-plane sapphire for tunable microwave devices. Journal of Materials Science, 2018, 53, 13042-13052.	1.7	8
122	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
123	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
124	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.	3.1	17
125	Impact of phase compensation method on transmitarray performance. , 2017, , .		9
126	Systematic design of a class of wideband circular polarizers using dispersion engineering. , 2017, , .		7

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127	Broadband CTS antenna array at E-band. , 2017, , .		2
128	On the use of convex optimization for electromagnetic near-field shaping. , 2017, , .		7
129	Evaluation of currents induced in human body by plane wave exposure at 1â€“90 MHz. , 2017, , .		1
130	Enhancing breast cancer imaging at millimeter waves using focusing techniques. , 2017, , .		1
131	434 MHz ISM band antenna for in-body biotelemetry capsules. , 2017, , .		8
132	Switched-beam E-band transmitarray antenna for point-to-point communications. , 2017, , .		12
133	Dual-band dual-polarized transmitarrays at Ka-band. , 2017, , .		6
134	Experimental characterization of dual linearly polarized transmitarray antennas at X-band. , 2017, , .		1
135	Analysis and design of a continuous parallel plate waveguide multiple beam lens antenna at Ku-band. , 2017, , .		7
136	All-metal Ku-band Luneburg lens antenna based on variable parallel plate spacing Fakir bed of nails. , 2017, , .		30
137	Wideband multibeam arrays of long slots fed by quasi-optical systems. , 2017, , .		0
138	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
139	Dual-Band Transmitarrays With Dual-Linear Polarization at Ka-Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 7009-7018.	3.1	82
140	Mode Matching Analysis of an E-Plane $90^{circ }$ Bend With a Square Step in Parallel-Plate Waveguide. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2187-2190.	2.4	12
141	Effect of acute millimeter wave exposure on dopamine metabolism of NGF-treated PC12 cells. Journal of Radiation Research, 2017, 58, 439-445.	0.8	10
142	Robust Ultraminiature Capsule Antenna for Ingestible and Implantable Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6107-6119.	3.1	93
143	Parallel fed 2Ã—1 antenna array utilizing surface wave cancellation on LTCC substrate. , 2017, , .		0
144	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

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145	A Low-Profile Broadband 32-Slot Continuous Transverse Stub Array for Backhaul Applications in E -Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 6307-6316.	3.1	49
146	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
147	Microscale temperature and SAR measurements in cell monolayer models exposed to millimeter waves. Bioelectromagnetics, 2017, 38, 11-21.	0.9	12
148	An LTCC beam-switching antenna with high beam overlap for 60-GHz mobile access points. , 2017, , .		2
149	Characterization of dual-band dual-linearly polarized transmitarray antennas. , 2017, , .		1
150	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
151	Scalar near-field focusing in lossy media. , 2017, , .		5
152	Linearly-polarized electronically reconfigurable transmitarray antenna with 2-bit phase resolution in Ka-band. , 2017, , .		5
153	Conformal antennas for miniature in-body devices: The quest to improve radiation performance. URSI Radio Science Bulletin, 2017, 2017, 52-64.	0.2	18
154	Wideband circularly-polarized 3-bit transmitarray antenna in Ka-band. , 2017, , .		13
155	A Novel Right Handed Circular Polarization Folded Reflectarray Antenna at 60 GHz. International Journal of Electrical and Computer Engineering, 2017, 7, 1580.	0.5	1
156	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
157	Design and experimental validation of leaky-wave bessel-beam launchers at millimeter-wave frequencies. , 2016, , .		0
158	Design and experimental characterization of a reconfigurable transmitarray with reduced focal distance. International Journal of Microwave and Wireless Technologies, 2016, 8, 447-454.	1.5	9
159	A low-profile and high-gain continuous transverse stub antenna using PCB-air hybrid technology. , 2016, , .		4
160	3D focal spot manipulation at millimeter waves. , 2016, , .		0
161	Continuous parallel plate waveguide beamformer based on a bifocal constrained lens design. , 2016, , .		7
162	Imaging system fed by a quasi-optical beam-forming network for Ka-band satellite applications. , 2016, , .		0

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163	Conformal phased array in a small conical shape for communications at 5.2 GHz. , 2016, , .		4
164	Performance of radiation pattern and polarization diversity for body-centric applications at 2.45 GHz. , 2016, , .		0
165	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
166	Polarized Beams Using Scalar Metasurfaces. IEEE Transactions on Antennas and Propagation, 2016, 64, 3391-3400.	3.1	43
167	Experimental Dosimetry in a Mode-Stirred Reverberation Chamber in the 60-GHz Band. IEEE Transactions on Electromagnetic Compatibility, 2016, 58, 981-992.	1.4	10
168	Mode-Matching Analysis of Lossy SIW Devices. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4126-4137.	2.9	10
169	Impact of 60â€GHz millimeter waves on stress and painâ€related protein expression in differentiating neuronâ€like cells. Bioelectromagnetics, 2016, 37, 444-454.	0.9	9
170	Increasing the radiation efficiency and matching stability of in-body capsule antennas. , 2016, , .		16
171	Multi-beam slotted Waveguide pillbox antenna with reduced side lobe level and high beam crossover. , 2016, , .		1
172	Split aperture decoupling method applied to multi-beam pillbox antennas for large coverage, high crossover and low side lobe levels. , 2016, , .		0
173	Simulation of graphene-disk antenna with axially symmetric excitation using MAR and orthogonal polynomials. , 2016, , .		1
174	Leaky-wave-based dual-band phased array for satellite communications. , 2016, , .		2
175	Amplitude monopulse pillbox antenna in SIW technology. , 2016, , .		1
176	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
177	A V-band antenna module based on vertical TEM waveguides fully integrated in LTCC. , 2016, , .		1
178	Broadband polarizer and leaky-wave antenna for low cost Ka-band applications. , 2016, , .		1
179	3-D Shaping of a Focused Aperture in the Near Field. IEEE Transactions on Antennas and Propagation, 2016, 64, 5262-5271.	3.1	20
180	Circularly-polarized reconfigurable unit-cell for transmitarray applications in Ka-band. , 2016, , .		2

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181	Irregular superstrate array for the reduction of the side lobe level in satcom user terminal antennas. , 2016, , .		0
182	3D near-field shaping of a focused aperture. , 2016, , .		6
183	Equivalent circuit and scanning capabilities of long slot arrays with TEM parallel-feed excitation. , 2016, , .		1
184	Circularly-polarized reconfigurable transmitarray in Ka-band. , 2016, , .		3
185	A long slot array fed by a multilayer true-time delay network in LTCC for 60-GHz communications. , 2016, , .		0
186	Multilayer SIW Rotman lens antenna in 24 GHz band. , 2016, , .		1
187	Millington Effect and Propagation Enhancement in 60-GHz Body Area Networks. IEEE Transactions on Antennas and Propagation, 2016, 64, 776-781.	3.1	2
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