

Xiaodong Chen Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3340023/publications.pdf>

Version: 2024-02-01

323
papers

3,446
citations

257450

24
h-index

175258

52
g-index

324
all docs

324
docs citations

324
times ranked

2571
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of a printed circular disc monopole antenna for UWB systems. IEEE Transactions on Antennas and Propagation, 2005, 53, 3500-3504.	5.1	795
2	Study of Printed Elliptical/Circular Slot Antennas for Ultrawideband Applications. IEEE Transactions on Antennas and Propagation, 2006, 54, 1670-1675.	5.1	275
3	Single Feed Stacked Patch Circular Polarized Antenna for Triple Band GPS Receivers. IEEE Transactions on Antennas and Propagation, 2012, 60, 4479-4484.	5.1	134
4	Pattern-Reconfigurable Planar Circular Ultra-Wideband Monopole Antenna. IEEE Transactions on Antennas and Propagation, 2013, 61, 4973-4980.	5.1	105
5	A Novel 220-GHz GaN Diode On-Chip Tripler With High Driven Power. IEEE Electron Device Letters, 2019, 40, 780-783.	3.9	85
6	High Gain, Broadband and Dual-Polarized Substrate Integrated Waveguide Cavity-Backed Slot Antenna Array for 60 GHz Band. IEEE Access, 2018, 6, 31012-31022.	4.2	75
7	A Small Printed Quasi-Self-Complementary Antenna for Ultrawideband Systems. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 554-557.	4.0	70
8	MIMO Antennas for Smart 5G Devices. IEEE Access, 2018, 6, 77014-77021.	4.2	70
9	Stacked-Patch Dual-Polarized Antenna for Triple-Band Handheld Terminals. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 202-205.	4.0	54
10	MIMO Antennas for Mobile Handsets. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 799-802.	4.0	53
11	Millimeter-Wave Rectangular Dielectric Resonator Antenna Array With Enlarged DRA Dimensions, Wideband Capability, and High-Gain Performance. IEEE Transactions on Antennas and Propagation, 2020, 68, 3271-3276.	5.1	51
12	A 200-225-GHz Manifold-Coupled Multiplexer Utilizing Metal Waveguides. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 5327-5333.	4.6	51
13	Novel Diversity/MIMO PIFA Antenna With Broadband Circular Polarization for Multimode Satellite Navigation. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 65-68.	4.0	48
14	Wideband Circularly Polarized Antipodal Curvedly Tapered Slot Antenna Array for 5G Applications. IEEE Journal on Selected Areas in Communications, 2017, 35, 1539-1549.	14.0	46
15	A Meander Line UHF RFID Reader Antenna for Near-field Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 82-91.	5.1	46
16	A Wideband Dual-Circular-Polarization Horn Antenna for mmWave Wireless Communications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1726-1730.	4.0	44
17	Analysis and Design of a Novel Circularly Polarized Antipodal Linearly Tapered Slot Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 4178-4187.	5.1	42
18	CPW-fed circular disc monopole antenna for UWB applications. , 0, , .		40

#	ARTICLE	IF	CITATIONS
19	A Compact Phase-Controlled Pattern-Reconfigurable Dielectric Resonator Antenna for Passive Wide-Angle Beam Scanning. IEEE Transactions on Antennas and Propagation, 2021, 69, 2981-2986.	5.1	40
20	Pattern-Reconfigurable Dual-Polarized Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1273-1276.	4.0	39
21	Circularly Polarized Substrate-Integrated Waveguide Tapered Slot Antenna for Millimeter-Wave Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2358-2361.	4.0	30
22	Circular beam-reconfigurable antenna base on graphene-metal hybrid. Electronics Letters, 2016, 52, 494-496.	1.0	28
23	Laser heating of metallic nanoparticles for photothermal ablation applications. AIP Advances, 2017, 7, .	1.3	28
24	Analysis and Design of a Wideband Endfire Circularly Polarized Septum Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 5783-5793.	5.1	26
25	Study of a 0.35 THz Extended Interaction Oscillator Driven by a Pseudospark-Sourced Sheet Electron Beam. IEEE Transactions on Electron Devices, 2020, 67, 652-658.	3.0	26
26	Design of a Multipolarized RFID Reader Antenna for UHF Near-Field Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 3344-3351.	5.1	25
27	Wideband Circularly Polarized Horn Antenna Exploiting Open Slotted End Structure. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 267-271.	4.0	21
28	Analysis and Design of a Low-Cost Circularly Polarized Horn Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 7363-7367.	5.1	20
29	A Novel 3-dB Waveguide Hybrid Coupler for Terahertz Operation. IEEE Microwave and Wireless Components Letters, 2019, 29, 273-275.	3.2	20
30	Visualization of a Pseudospark-Sourced Electron Beam. IEEE Transactions on Plasma Science, 2014, 42, 2826-2827.	1.3	19
31	A Broadband Near-Field UHF RFID Reader Antenna With Low Far-Field Gain. IEEE Transactions on Antennas and Propagation, 2017, 65, 4869-4874.	5.1	19
32	Millimeter-Wave Frequency Beam Scanning Array With a Phase Shifter Based on Substrate-Integrated-Waveguide. IEEE Access, 2018, 6, 47408-47414.	4.2	19
33	3d Beam Reconfigurable THz Antenna with Graphene-Based High-Impedance Surface. Electronics (Switzerland), 2019, 8, 1291.	3.1	19
34	A THz Imaging System Using Linear Sparse Periodic Array. IEEE Sensors Journal, 2020, 20, 3285-3292.	4.7	19
35	Conductivity and frequency dependent specific absorption rate. Journal of Applied Physics, 2013, 113, .	2.5	18
36	Graphene-metal based tunable band-pass filters in the terahertz band. IET Microwaves, Antennas and Propagation, 2016, 10, 1570-1575.	1.4	17

#	ARTICLE	IF	CITATIONS
37	Physics of the Interaction Process in a Typical Coaxial Virtual Cathode Oscillator Based on Computer Modeling Using MAGIC. IEEE Transactions on Plasma Science, 2004, 32, 1191-1199.	1.3	16
38	Design of Optically Transparent Antenna with Directional Radiation Patterns. International Journal of Antennas and Propagation, 2017, 2017, 1-7.	1.2	16
39	A Wideband Circular-Polarized Beam Steering Dielectric Resonator Antenna Using Gravitational Ball Lens. IEEE Transactions on Antennas and Propagation, 2021, 69, 2963-2968.	5.1	16
40	Multipolarized Reader Antenna With Periodic Units Based on Electric Field Coupling for UHF RFID Near-Field Applications. IEEE Transactions on Antennas and Propagation, 2019, 67, 5265-5271.	5.1	15
41	WR-2.8 Band Pseudoelliptic Waveguide Filter Based on Singlet and Extracted Pole Resonator. IEEE Access, 2019, 7, 54705-54711.	4.2	15
42	A Wideband Contactless CPW to \sqrt{W} -Band Waveguide Transition. IEEE Microwave and Wireless Components Letters, 2019, 29, 706-709.	3.2	15
43	Fast Processing Approach for Near-Field Terahertz Imaging With Linear Sparse Periodic Array. IEEE Sensors Journal, 2022, 22, 4410-4424.	4.7	15
44	Fourier Compatible Near-Field Multiple-Input Multiple-Output Terahertz Imaging With Sparse Non-Uniform Apertures. IEEE Access, 2021, 9, 157278-157294.	4.2	14
45	Multiple-parameter reconfiguration in a single planar ultra-wideband antenna for advanced wireless communication systems. IET Microwaves, Antennas and Propagation, 2014, 8, 849-857.	1.4	13
46	Design and performance analysis of pattern reconfigurable MIMO antennas for mobile smartphones. Microwave and Optical Technology Letters, 2017, 59, 148-156.	1.4	13
47	Study on Wideband THz Backward Wave Oscillator Driven by Pseudospark-Sourced Sheet Electron Beam. IEEE Transactions on Electron Devices, 2020, 67, 3395-3402.	3.0	13
48	A 3-D-Printed High-Dielectric Materials-Filled Pyramidal Double-Ridged Horn Antenna for Abdominal Fat Measurement System. IEEE Transactions on Antennas and Propagation, 2021, 69, 64-73.	5.1	13
49	Compact Wideband Circularly Polarized Antipodal Curvedly Tapered Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 666-669.	4.0	12
50	A 3D-Printed High-Dielectric Filled Elliptical Double-Ridged Horn Antenna for Biomedical Monitoring Applications. IEEE Access, 2019, 7, 94977-94985.	4.2	12
51	Mode Analyzing Method for Fast Design of Branch Waveguide Coupler. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4733-4740.	4.6	12
52	Wideband Circularly Polarized Septum Antenna Array With Ridge Gap Waveguide Feeding Network for Wireless Application. IEEE Transactions on Antennas and Propagation, 2022, 70, 3882-3887.	5.1	12
53	A Compact Dual-Polarized Filtering Antenna With Steep Cut-Off for Base-Station Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5941-5946.	5.1	12
54	The influence of an axial magnetic field on the performance of a coaxial vircator. IEEE Transactions on Plasma Science, 2002, 30, 1186-1195.	1.3	11

#	ARTICLE	IF	CITATIONS
55	Electromagnetic heating effect of aggregated gold nanoparticle colloids. Journal of Applied Physics, 2014, 115, 094903.	2.5	11
56	A Wideband Circularly Polarized Horn Antenna With a Tapered Elliptical Waveguide Polarizer. IEEE Transactions on Antennas and Propagation, 2019, 67, 3695-3703.	5.1	11
57	Wideband circularly polarised horn antenna with large aspect ratio for terahertz applications. Electronics Letters, 2020, 56, 11-13.	1.0	11
58	Design of a compact multiband circularly polarized antenna for global navigation satellite systems and 5G/B5G applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22182.	1.2	11
59	Wideband Dual-Circular-Polarization Antenna With High Isolation for Millimeter-Wave Wireless Communications. IEEE Transactions on Antennas and Propagation, 2022, 70, 1750-1763.	5.1	11
60	Low-Profile Circularly Polarized Staircase Curl Antenna Array With 2:1 Impedance and 50% AR Bandwidths for 5G mmW Communications. IEEE Transactions on Antennas and Propagation, 2022, 70, 3082-3087.	5.1	11
61	Chaos and oscillations in a loaded plasma-filled diode. IEEE Transactions on Plasma Science, 2000, 28, 462-471.	1.3	10
62	High power Terahertz generation by using vacuum electronic technology. , 2009, , .		10
63	Study of an Eighth-Harmonic Large-Orbit Gyrotron in the Terahertz Band. IEEE Transactions on Plasma Science, 2015, 43, 506-514.	1.3	10
64	A Dual-Frequency Quasi-Optical Output System for a THz Gyro-Multiplier. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 674-681.	3.1	10
65	A Digital Controlled Pulse Generator for a Possible Tumor Therapy Combining Irreversible Electroporation With Nanosecond Pulse Stimulation. IEEE Transactions on Biomedical Circuits and Systems, 2020, 14, 595-605.	4.0	10
66	An improved design of orthogonal half disk UWB antenna. , 2006, , .		9
67	A 4-Element Ultra-wideband Tapered-Slot-Fed Antenna Array. , 2006, , .		9
68	Miniaturisation of Printed Disc UWB Monopoles. , 2008, , .		9
69	Optimal Spatial Sampling Criterion in a 2D THz Holographic Imaging System. IEEE Access, 2018, 6, 8173-8177.	4.2	9
70	Compact high-power millimetre wave sources driven by pseudospark-sourced electron beams. IET Microwaves, Antennas and Propagation, 2019, 13, 1794-1798.	1.4	9
71	Circular Polarized 3-D-Printed Dielectric Loaded Antenna Using Inset Waveguide-to-Dielectric Transition for 5G Millimeter-Wave Application. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1929-1932.	4.0	9
72	Compact Wideband Circularly Polarized Septum Antenna for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2020, 68, 7584-7588.	5.1	9

#	ARTICLE	IF	CITATIONS
73	Wideband Dual Circularly Polarized Antipodal Septum Antenna for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 3549-3554.	5.1	9
74	Design of Millimeter-Wave Circularly Polarized Endfire Antenna and Multibeam Antenna Array for Wireless Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 8397-8406.	5.1	9
75	Measurement and simulation of powerline channel using OFDM for UWB communication. , 2009, , .		8
76	Dielectric Property Measurement of Gold Nanoparticle Dispersions in the Millimeter Wave Range. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 140-151.	2.2	8
77	A 4x4 MIMO antenna system for mobile tablets. , 2014, , .		8
78	Investigation of Frequency-Selective Surfaces for a THz Gyromultiplier Output System. IEEE Transactions on Electron Devices, 2017, 64, 4678-4685.	3.0	8
79	Assessment of exposure to radio frequency electromagnetic fields from smart utility meters in GB; 200-216.	1.6	8
80	A 220-GHz Third-Harmonic Mixer Based on Balanced Structure and Hybrid Transmission Line. IEEE Access, 2019, 7, 50007-50011.	4.2	8
81	Characteristics of Pseudospark Discharge in Particle-in-Cell Simulations. IEEE Transactions on Electron Devices, 2021, 68, 3003-3009.	3.0	8
82	Bandpass Filter Design by Artificial Neural Network Modeling. , 0, , .		7
83	Nonlinear dynamics of a plasma-filled diode in the presence of a magnetic field with loads. Physics of Plasmas, 2008, 15, 023110.	1.9	7
84	Novel Corrugated Matched Feed for Cross-Polar Cancellation in Tri-Reflector Compact Range. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 1003-1006.	4.0	7
85	Polarization rotator of arbitrary angle based on simple slot-array. AIP Advances, 2015, 5, .	1.3	7
86	Analysis and Design of a Novel Multiband Antenna for Mobile Terminals. International Journal of Antennas and Propagation, 2015, 2015, 1-9.	1.2	7
87	Compact and printed MIMO antennas for 2G/3G and 4G — LTE mobile tablets. , 2015, , .		7
88	Hepta-band coupled-fed antenna for metal-ring-frame WWAN/LTE smartphone applications. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 633-639.	1.2	7
89	Design and Study of a Circular Polarised Conical-Disc-Backed Spiral Antenna for X-Band Applications. IEEE Access, 2017, 5, 21344-21354.	4.2	7
90	A THz Imaging System Using Sparse Antenna Array for Security Screening. , 2018, , .		7

#	ARTICLE	IF	CITATIONS
91	Design of a Compact and Low-Loss E-Band Filter Based on Multilayer Groove Gap Waveguide. IEEE Microwave and Wireless Components Letters, 2021, 31, 1211-1214.	3.2	7
92	Novel Pattern-Diverse Millimeter-Wave Antenna With Broadband, High-Gain, Enhanced-Coverage for Energy-Efficient Unmanned Aerial Vehicle. IEEE Transactions on Vehicular Technology, 2021, 70, 4081-4087.	6.3	7
93	Novel Band Gap Waveguide for Low-Loss and Dual Band Applications. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 2610-2621.	4.6	7
94	Study of a dual-element PIFA array for MIMO terminals. , 2006, , .		6
95	Nonlinear Dynamics of a Plasma-Filled Diode in the Presence of a Magnetic Field. IEEE Transactions on Plasma Science, 2008, 36, 146-155.	1.3	6
96	Improved BER performance on MB-OFDM UWB system using adaptive bit loading. , 2010, , .		6
97	Study of optically controlled active frequency selective surfaces with organic semiconductor. , 2010, , .		6
98	Design of tri-reflector Compact Antenna Test Range for millimetre/sub-millimetre wave and THz antenna measurement. , 2011, , .		6
99	A Modular Gaussian Beam Analysis Method Based on 3-D Diffraction Technique. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 362-365.	4.0	6
100	Frequency Mixer Based on Doppler Effect. IEEE Microwave and Wireless Components Letters, 2018, 28, 43-45.	3.2	6
101	Doomed Couple of Diamond with Terahertz Frequency: Hyperfine Quality Discrimination and Complex Dielectric Responses of Diamond in the Terahertz Waveband. ACS Applied Electronic Materials, 2020, 2, 1459-1469.	4.3	6
102	Development of a Wideband 220-GHz Subharmonic Mixer Based on GaAs Monolithic Integration Technology. IEEE Access, 2020, 8, 31214-31226.	4.2	6
103	Advanced THz MIMO Sparse Imaging Scheme Using Multipass Synthetic Aperture Focusing and Low-Rank Matrix Completion Techniques. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 659-669.	4.6	6
104	Phaseless Characterization of Compact Antenna Test Range via Improved Alternating Projection Algorithm. Electronics (Switzerland), 2021, 10, 1545.	3.1	6
105	Metasurface Concept for mm-Wave Wideband Circularly Polarized Horns Design. IEEE Transactions on Antennas and Propagation, 2021, 69, 4313-4322.	5.1	6
106	Pseudospark-sourced beam and its application in high-power millimeter-wave generation. Scientific Reports, 2021, 11, 19076.	3.3	6
107	Numerical synthesis of tri-reflector CATR with high cross-polarisation isolation. Electronics Letters, 2016, 52, 1286-1288.	1.0	6
108	Novel Double-Ridged Waveguide Orthomode Transducer for mm-Wave Application. IEEE Microwave and Wireless Components Letters, 2022, 32, 5-8.	3.2	6

#	ARTICLE	IF	CITATIONS
109	Quad band circular polarized antenna. , 2012, , .		5
110	Study of nonlinear dynamics in magnetron by using circuitry model. Physics of Plasmas, 2012, 19, .	1.9	5
111	The design and manufacture of a high frequency CATR. , 2013, , .		5
112	Compact ultra-wideband double-ridged horn antennas for medical imaging. , 2016, , .		5
113	A novel Wide-Band reflection-based system for measuring abdominal fat in humans. , 2016, , .		5
114	Dual-feed full-metal-case antenna for WWAN/LTE smartphone applications. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 595-601.	1.2	5
115	Straightforward impedance measurement for balanced RFID tag antenna. Electronics Letters, 2016, 52, 181-182.	1.0	5
116	Wideband circularly polarised cavity backed monopole antenna for global navigation satellite systems. IET Microwaves, Antennas and Propagation, 2017, 11, 503-512.	1.4	5
117	Design of novel tanh/linear dual profiled smooth horn with low sidelobes. Electronics Letters, 2017, 53, 371-373.	1.0	5
118	A High-Performance 330-GHz Subharmonic Mixer Using Schottky Diodes. IEEE Microwave and Wireless Components Letters, 2022, 32, 571-574.	3.2	5
119	Study of a Miniature PIFA. , 0, , .		4
120	Study of reconfigurable antennas for MIMO systems. , 2010, , .		4
121	Novel optically transparent antenna for RFID smart fitting room application. , 2015, , .		4
122	Design of a novel UHF RFID reader antenna for near-field applications. , 2015, , .		4
123	Design of a novel meander line reader antenna for UHF near-field RFID. , 2016, , .		4
124	Design of dual-band compact ceramic chip antenna for terminal applications. , 2017, , .		4
125	Ultra-low sidelobe and high gain millimeter wave microstrip array antenna. , 2017, , .		4
126	W Band Imaging System Using Linear Sparse Periodic Antenna Array and Compressive Sensing for Personnel Screening. IEEE Access, 2019, 7, 173603-173611.	4.2	4

#	ARTICLE	IF	CITATIONS
127	Gaussian beam modes analysis for off-axis mirror with feed position displacement. , 2019, , .		4
128	THz sparse periodic array imaging system using compressed sensing. IET Microwaves, Antennas and Propagation, 2020, 14, 1157-1161.	1.4	4
129	A dynamic traffic distribution strategy for multipath routing. , 2009, , .		3
130	Exploit adaptive modulation in UWB Powerline Communication for improved BER performance. , 2010, , .		3
131	Evaluation of MB OFDM UWB for high data rate applications. , 2012, , .		3
132	Evaluation of wheat seeds by terahertz imaging. , 2013, , .		3
133	Design of a novel circularly polarized annular-ring RFID tag antenna for metallic surfaces. , 2013, , .		3
134	The UWB imaging system with rotating antenna array for concealed metallic object. , 2014, , .		3
135	Frequency selective surfaces design for a dual-channel quasi-optical system. Microwave and Optical Technology Letters, 2014, 56, 2365-2369.	1.4	3
136	Study of a THz spatial harmonic magnetron. , 2015, , .		3
137	On the limitation of ultra-wideband technique for medical scanning systems. , 2016, , .		3
138	Increasing the Effective Range of Smart Meter Home Area Network. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2898-2901.	4.0	3
139	Research on terahertz reflectarray based on graphene surface and PET substrate. , 2017, , .		3
140	RCS reduction study of THz microstrip antenna based on ITO absorbing structure. , 2017, , .		3
141	Design of a Coaxial Feed Horn for High Efficiency Compact Antenna Test Range. , 2018, , .		3
142	A High-Gain Antenna with Dual Circular Polarization for W-band mmWave Wireless Communications. , 2019, , .		3
143	Full D-band Coplanar to Rectangular Waveguide Transition for UTC-PD Application. , 2019, , .		3
144	W-band grooved-wall circularly polarised horn antenna. IET Microwaves, Antennas and Propagation, 2020, 14, 1171-1174.	1.4	3

#	ARTICLE	IF	CITATIONS
145	Passive-Shaped Beam Synthesis Using Pattern Diversity Dielectric Resonator Antenna Array. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1115-1119.	4.0	3
146	Application of Compact Antenna Test Range in Terahertz Antenna Measurement. , 2020, , .		3
147	Design and Testing of a Cylindrically-Conformal Array for Semi-Smart Antenna Base Stations. , 2006, , .		2
148	On the Performance of UWB Monopole Antennas. , 2007, , .		2
149	A miniature quasi-self-complementary antenna for UWB applications. , 2008, , .		2
150	Design of tri-reflector Compact Antenna Test Range for THz antenna measurement. , 2012, , .		2
151	Compact multi-band planar antenna design. , 2012, , .		2
152	Pattern reconfigurable planar UWB antenna array for future cognitive radio portable devices. , 2012, , .		2
153	Stacked patch circular polarized antenna for GPS/Galileo receiver applications. , 2012, , .		2
154	Broadband circular polarized antenna for mobile communication applications. , 2013, , .		2
155	Study and design of an integrated GPS and cellular antenna. , 2013, , .		2
156	Design and implementation of THz ultra Gaussian corrugated feed horn. , 2014, , .		2
157	A compact planar antenna for UWB applications. , 2014, , .		2
158	Design of the output system for a gyro-multiplier. , 2015, , .		2
159	Design of a tanh profiled compact Gaussian corrugated horn for Cassegrain antenna application. , 2015, , .		2
160	MIMO antennas for next generation mobile terminals. , 2016, , .		2
161	Doubleâ€square and griddedâ€square loop frequencyâ€selective surface in the Kâ€band. Microwave and Optical Technology Letters, 2018, 60, 1136-1142.	1.4	2
162	Analysis of coplanar-to-rectangular waveguide transition at D-band for UTC-PD THz source. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
163	A high-gain and broadband dielectric resonator antenna array with substrate-integrated-waveguide feed network for 67GHz. , 2018, , .		2
164	Broadband compact smooth horn with flat-top radiation pattern. Electronics Letters, 2019, 55, 119-120.	1.0	2
165	A fast analysis algorithm for 2D multi-reflector quasi-optical system based on Gaussian beam mode analysis. , 2019, , .		2
166	High speed wireless communication system at W-band. , 2019, , .		2
167	Theoretical and experimental verification of a fast two-dimensional Gaussian beam mode analysis method. IET Microwaves, Antennas and Propagation, 2020, 14, 1162-1170.	1.4	2
168	Element Mutual Coupling Effect in a Wideband Planar Aperiodic Sparse Phased Array. , 2020, , .		2
169	Analysis of Welding Pad for Terahertz Hybrid Integrated Mixer. IEEE Access, 2020, 8, 22506-22514.	4.2	2
170	A two-dimensional quasi-optical system design method with low cross-polarization based on Gaussian beam mode analysis. Microwave and Optical Technology Letters, 2020, 62, 2728-2736.	1.4	2
171	A Gaussian Beam Mode Analysis Method for 3-D Multi-Reflector Quasi-Optical Systems. Electronics (Switzerland), 2021, 10, 499.	3.1	2
172	Minimum Representative Human Body Model Size Determination for Link Budget Calculation in Implanted Medical Devices. Applied Sciences (Switzerland), 2021, 11, 6032.	2.5	2
173	Design of Dual-Band High-Power Backward Wave Oscillator using Double Staggered Grating and Pseudospark-Sourced Sheet Beam. , 2021, , .		2
174	THz Personnel Screening System with Multi-pass Interferometric Synthetic Aperture Technique. , 2020, , .		2
175	A Millimeter-wave Communication System Over A Cable. , 2020, , .		2
176	Axial Displaced Ellipse Reflector Antenna with Adjustable Beamwidth for E-band Wireless Link. , 2020, , .		2
177	Dielectric Loaded Folded Half Loop Antenna for DVB-H Terminals. , 2007, , .		1
178	A Study of Cross Ring Antenna for UWB Applications. , 2007, , .		1
179	Design of a wideband thin helical antenna for cancer treatment. , 2008, , .		1
180	An Integrated Quasi-optical Analysis Method and Its Experimental Verification. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 31, 181.	2.2	1

#	ARTICLE	IF	CITATIONS
181	Study of a two-layer dichroic for quasioptical network. Microwave and Optical Technology Letters, 2010, 52, 900-904.	1.4	1
182	A printed miniature antenna for UWB applications. , 2010, , .		1
183	A printed miniaturised antenna for ultra wideband systems. , 2010, , .		1
184	A pattern reconfigurable DRA array for MIMO applications. , 2011, , .		1
185	A pattern reconfigurable dielectric resonator antenna array for adaptive MIMO systems. , 2011, , .		1
186	Design of a compact tri-band planar monopole antenna. , 2012, , .		1
187	Pseudospark-sourced micro electron beam for a W-band klystron amplifier. , 2012, , .		1
188	3D PIC simulation of starting process of oscillation in a 42 GHz gyrotron. , 2013, , .		1
189	Design of a novel dual-band circularly polarized handset antenna. , 2013, , .		1
190	Circularization and collimation of elliptical Gaussian beam based on kinematic and dynamic ray tracing. , 2013, , .		1
191	Pattern reconfigurable antenna for mobile handsets. , 2014, , .		1
192	Binary RFID chip impedance measurement for UHF tag antenna design. , 2014, , .		1
193	MIMO antennas for mobile handsets. , 2014, , .		1
194	Design of a novel multiband antenna for mobile terminals. , 2015, , .		1
195	Numerical and experimental verification of a trireflector compact antenna test range in the terahertz band. Microwave and Optical Technology Letters, 2015, 57, 1686-1689.	1.4	1
196	Design of a 94 GHz compact corrugated horn with ultra-low sidelobe. , 2016, , .		1
197	Compact wideband circularly polarized slotted ground plane antenna for mobile terminals. , 2017, , .		1
198	The design of 220GHz waveguide power divider for multi-channel radiometer front end. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
199	A wideband dual-polarized slot antenna array for high-gain millimeter-wave communications. , 2017, , .		1
200	Investigation of a 210 GHz spatial harmonic magnetron using 3-D particle-in-cell simulation. , 2017, , .		1
201	A Gain Enhanced Dielectric Resonator Antenna Covering 62â€“78 GHz Band for 5G Applications. , 2018, , .		1
202	Study on 94GHz Imaging System Using Sparse Periodic Linear Antenna Array and Compressive Sensing. , 2018, , .		1
203	A circularly polarized horn antenna with elliptical waveguide polarizer. Microwave and Optical Technology Letters, 2019, 61, 2681-2686.	1.4	1
204	Optimization of A Wideband Planar Sparse Array Based on Danzer Aperiodic Tiling. , 2019, , .		1
205	Enhancing the Aperture Usage Efficiency of Single Reflector Compact Antenna Test Range Using 10 Å— 10 Antenna Array. , 2019, , .		1
206	Gaussian beam modes analysis for uncertain off-axis mirror's parameters. , 2019, , .		1
207	Iteration-phase retrieval for quiet zone of compact antenna test ranges. , 2019, , .		1
208	Experimental Verification of a THz SPA Imaging System Using Compressive Sensing. , 2019, , .		1
209	A Magnetolectric Dipole Leaky-Wave Antenna for Open Stopband Suppression. , 2019, , .		1
210	Application of Faraday rotator in transceiver isolation system. , 2019, , .		1
211	A W-band Compact Circularly Polarized Horn Antenna. , 2019, , .		1
212	Design of 0.365-THz Backward Wave Oscillator using Staggered Double Grating SWS and Sheet Beam. , 2019, , .		1
213	Design of High Efficiency Linearly Polarized 8 Å— 8 Millimeter-Wave Antenna Array. , 2019, , .		1
214	Forkâ€“shaped wideband circularly polarised antenna. Electronics Letters, 2019, 55, 1267-1269.	1.0	1
215	Broadband Transition from Rectangular Waveguide to Groove Gap Waveguide for mm-Wave Contactless Connections. Electronics (Switzerland), 2020, 9, 1820.	3.1	1
216	Novel UHF RFID Near-Field Reader Antenna with Uniform Vertical Electric Field Distribution. International Journal of Antennas and Propagation, 2020, 2020, 1-13.	1.2	1

#	ARTICLE	IF	CITATIONS
217	Phase-Controlled Pattern Diversity Antenna for 360° Continuous Beam Steering. , 2020, , .		1
218	Analysis and design of novel wideband and high efficiency millimeter-wave antenna arrays for 60-GHz applications. Frontiers of Information Technology and Electronic Engineering, 2020, 21, 128-143.	2.6	1
219	A Novel Antenna for UHF RFID Near-Field Applications. Electronics (Switzerland), 2021, 10, 1310.	3.1	1
220	A wideband E-plane crossover coupler for terahertz applications. China Communications, 2021, 18, 245-254.	3.2	1
221	E-band high aperture efficiency reflector antenna with adjustable beamwidth. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22817.	1.2	1
222	Wideband Dual-Circular-Polarization Antenna based on the Grooved-Wall Horn Antenna for Millimeter-Wave Wireless Communications. , 2021, , .		1
223	Design of High Performance Terahertz Tri-reflector CATR with Ultra-Large Aperture. , 2021, , .		1
224	Comparison of Metal and Dielectric Millimeter-wave Antennas in 3D Printed Complementary Structures. , 2020, , .		1
225	A 170-260 GHz CPW to Waveguide Contactless Transition Using Interdigital-pin EBG Structure. , 2020, , .		1
226	A Novel Multi-polarization UHF RFID Reader Antenna for Near-field Applications. , 2020, , .		1
227	A Low-Profile Broadband Nonuniform Metasurface Antenna for 5G Terminal Applications. , 2021, , .		1
228	Unified Initial Preprocessing for Phaseless Characterization of Quiet Zone in Millimeter-Wave Compact Antenna Test Range. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1313-1317.	4.0	1
229	Contactless Air-Filled Mode Selective Transmission Line. IEEE Microwave and Wireless Components Letters, 2022, 32, 1291-1294.	3.2	1
230	Effect of antenna's positioning on a handset for a miniature dielectric-loaded folded half-loop antenna. , 2006, , .		0
231	Design of diversity antenna array for GALILEO/GPS receivers. , 2006, , .		0
232	Design of UWB antenna for Autonomous Interference Monitoring System (AIMS). , 2006, , .		0
233	Nonlinear dynamics in a cylindrical plasma-filled diode. , 2007, , .		0
234	Impact of Non-Uniform Magnetic Field on the Operation of Magnetrons. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
235	Nonlinear Dynamics of Plasma-Filled Diode in Presence of Magnetic Field. , 2007, , .		0
236	Further investigation of a dual-element diversity PIFA for MIMO applications at 2.5 GHz band. , 2007, , .		0
237	Investigation of nonlinear dynamics and chaos in magnetrons. , 2008, , .		0
238	Design and measurement of dichroic plate for Quasi-Optical Network. , 2008, , .		0
239	Deliberately Multicasting Multimedia Contents on Multiple Channels for Smart Mobile Terminals Retrieving Efficiently. , 2010, , .		0
240	A time domain study of a small quasi-self-complementary UWB antenna. , 2010, , .		0
241	WLAN MIMO channel model in a ray-tracing simulator. , 2010, , .		0
242	A Manageable Small World for Collaborative Enterprises Social Network. , 2010, , .		0
243	Novel compact interdigital coupled PIFA with ceramic dielectric load for portable GPS terminals. , 2010, , .		0
244	Performance evaluation of multfric transport protocol used in streaming media application. , 2010, , .		0
245	Time domain performance of a compact Ultrawideband antenna. , 2011, , .		0
246	Diversity combining for enhanced UWB system performance. , 2011, , .		0
247	Experimental characterization of Gold Nanoparticle suspensions at W band using a quasi-optical bench. , 2011, , .		0
248	Application of diffracted Gaussian beam analysis to design 3D configured quasi-optical systems. , 2012, , .		0
249	Dielectric measurement of gold nanoparticle dispersions using THz-Time domain spectroscopy. , 2012, , .		0
250	Research and design of quasi-optical system for sub-millimeter wave radiometer. , 2012, , .		0
251	Study of UWB adaptive bit loading in time varying channel. , 2013, , .		0
252	Effect of Gaussian feed cross-polarization on the cross-polar characteristics of tri-reflector compact antenna test range. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
253	Experimental and theoretical studies on THz spectra of phenylthiourea compounds. , 2013, , .		0
254	Design of a Compact Planar Antenna for UWB Systems. Microwave and Optical Technology Letters, 2013, 55, 1989-1992.	1.4	0
255	A computational efficient simulation tool for gyrotrons. , 2014, , .		0
256	Gaussian beam for antennas field pattern synthesis. , 2014, , .		0
257	Three-dimensional diffractive Gaussian beam analysis method for multi-reflector antennas. , 2014, , .		0
258	Molecular dynamics study on the electroporation process with different configurations of ions. , 2014, , .		0
259	Design of tanh-profile corrugated feedhorn in quasi-optical system. , 2014, , .		0
260	Design of graphene based reflectarray antenna. , 2015, , .		0
261	Shaped beam synthesis with 4-element conformal array for a semi-smart Picocell sector antenna. , 2015, , .		0
262	Temporal changes of intermolecular vibrational peaks in THz spectra analyzed by two-dimensional correlation spectroscopy. , 2015, , .		0
263	Numerical study of a high-harmonic gyrotron using an axis-encircling electron beam. , 2015, , .		0
264	Observation of the inverse, zero and normal Doppler effect in configurable transmission lines. , 2015, , .		0
265	A simulation software for 3D quasi-optical system and shaped-mirror reflectors. , 2015, , .		0
266	Beam profile measurement of THz pulses in a TDS system. , 2015, , .		0
267	A three dimensional Gaussian Beam diffraction approach to analysis of reflector antennas. , 2015, , .		0
268	Design of a ultra wideband remote sensing system based on Sub-Harmonic mixer. , 2015, , .		0
269	Numerical study of terahertz circular polarized substrate lens dipole antennas for polarization sensitive detectors. International Journal of Microwave and Wireless Technologies, 2016, 8, 623-631.	1.9	0
270	Design of frequency selective surfaces for a gyro-multiplier output system. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
271	Doppler effect in zero-index metamaterials. , 2016, , .		0
272	The design of push-broom scanning satellite antenna. , 2016, , .		0
273	The improvement of transmittance in capacitive grid polarizer with dielectric substrates by antireflection coating. , 2016, , .		0
274	A dual-polarized wideband substrate-integrated-waveguide-fed slot antenna array for 60 GHz. , 2017, , .		0
275	Design and experimental verification of wire grid polarizer on dielectric substrate for quasi-optical network system. , 2017, , .		0
276	Investigation of THz image reconstruction by transposed convolution algorithm. , 2017, , .		0
277	Study on a sparse antenna array for terahertz imaging. , 2017, , .		0
278	Study of frequency-alterable microstrip antenna based on temperature sensing material. , 2017, , .		0
279	Study of reconfigurable circular polarization GNSS antenna. , 2017, , .		0
280	Design of graphene terahertz reflectarray based on boron nitride substrate. , 2017, , .		0
281	Design and research of highly selective frequency selective surfaces. , 2017, , .		0
282	Fast analysis of dual-reflectors quasi-optical system based on point matching method and Gaussian beam tracing. , 2017, , .		0
283	Parametric study on patch antenna based on silver nanowires. , 2017, , .		0
284	Design of A Broadband Vertically Polarized Omnidirectional Array Based on Vivaldi Antenna. , 2018, , .		0
285	A SIW Based Millimeter-Wave Slot Antenna with Circular Polarization. , 2018, , .		0
286	Design of Ultra-Wideband Optically Transparent Antenna. , 2018, , .		0
287	A Continuously Tunable Pattern Reconfigurable Dielectric Resonator Antenna for IEEE 802.11ac Applications. , 2018, , .		0
288	The phase retrieval of quiet zone in CATR with G-S algorithm. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
289	Optimization algorithm of Gaussian beam expansion Based on Point matching. , 2019, , .		0
290	Millimeter-Wave (MMW) Wideband Circularly Polarized Antenna Based on Gap-Waveguide. , 2019, , .		0
291	Design of a Passive RFID Yagi-Uda Sensor Tag Antenna. , 2019, , .		0
292	Analysis of Location Errors between Components in Large-Aperture Compact Antenna Test Range. , 2019, , .		0
293	Dielectric Resonator Antenna Fed by the Surface-wave Goubau line. , 2020, , .		0
294	Highly Integrated Resonant Tunneling Diode with Rectangular Waveguide Output for W-Band Communication System. Electronics (Switzerland), 2020, 9, 485.	3.1	0
295	A Gaussian Beam Method for Push-Broom Antenna Design. IEEE Transactions on Antennas and Propagation, 2020, 68, 8144-8149.	5.1	0
296	Design of Low Cross-Polarization Tri-Reflector CATR with Standard Quadric Surfaces Working in Terahertz. Electronics (Switzerland), 2021, 10, 1727.	3.1	0
297	Design of a W-band rising-sun anode magnetron. , 2021, , .		0
298	Pattern Synthesis Method Based on Gaussian Beam Mode Analysis. , 2021, , .		0
299	Simulations of pseudospark discharge and its generated beam to drive a THz EIO. , 2021, , .		0
300	Synthesis Technology of Shaped Reflector. , 2021, , .		0
301	Doppler effect based mixer for microwave frequency. , 2017, , .		0
302	Wideband Circularly Polarized Parallel-Plate Antenna for Millimeter-wave Applications. , 2020, , .		0
303	Compact THz Extended Interaction Oscillator Driven by a Pseudospark-sourced beam. , 2020, , .		0
304	A Circularly Polarized Horn Antenna for the Compact Antenna Test Range. , 2020, , .		0
305	A Wideband Circularly Polarized Cassegrain Antenna. , 2020, , .		0
306	A Shared-Aperture Dielectric Resonator Antenna with Linear and Circular Polarization Diversity. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
307	Characteristics of Pseudospark-Sourced Beam and its Application in THZ Sources. , 2021, , .		0
308	Circularly Polarized Dielectric Resonator Antenna with Continuous Beam Steering. , 2020, , .		0
309	Deep-Learning-based Inverse Modelling with CMA-ES as Applied to the Design of A Wideband High-isolation Septum Polarizer. , 2020, , .		0
310	A Design Method of Three-Dimensional Multireflector Quasi-Optical Systems Based on Gaussian Beam Mode Analysis. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 798-802.	4.0	0
311	A broadband coplanar waveguide to WR4 contactless transition using interdigitalâ€pin electromagnetic bandgap structure. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .	1.2	0
312	A Novel Method to Broaden the Single-Mode Bandwidth of the Rectangular Waveguide. International Journal of Antennas and Propagation, 2022, 2022, 1-8.	1.2	0
313	A resonant cavity system for exposing cell cultures to intense pulsed RF fields. Scientific Reports, 2022, 12, 4755.	3.3	0
314	A Novel Mode-Selective Transmission Line with low loss Using Glide-symmetric holey structure. , 2021, , .		0
315	A Method for Sensing the Liquid in Infusion Bag. , 2021, , .		0
316	Wideband Millimeter-wave Slot Antenna Using Dielectric Cover for Gain Enhancement. , 2021, , .		0
317	A Novel Wideband E-plane Crossover and Its Application on Multi-beam Antenna Array. , 2021, , .		0
318	A W-band Dielectric Loaded Antenna with Sum and Difference Beams for Unmanned Aerial Vehicle. , 2021, , .		0
319	Millimeterâ€wave metasurface lens aided phaseless characterization for quiet zone of compact antenna test range. Microwave and Optical Technology Letters, 0, , .	1.4	0
320	A Rising-Sun Anode Magnetron With Axial Waveguide Output in W-Band. IEEE Transactions on Electron Devices, 2022, 69, 3413-3418.	3.0	0
321	An Eight-Port Antenna Array for 5G MIMO Handset. , 2022, , .		0
322	Highâ€Gain Dual Circularly Polarized Antenna for Airâ€toâ€Ground Wireless Link. Chinese Journal of Electronics, 2022, 31, 555-561.	1.5	0
323	Microwave Exposure System on Cell Solution for Alzheimer's Disease Treatment. , 2022, , .		0