

Xiaodong Chen

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Fast Processing Approach for Near-Field Terahertz Imaging With Linear Sparse Periodic Array. IEEE Sensors Journal, 2022, 22, 4410-4424.	4.7	15
2	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
3	A resonant cavity system for exposing cell cultures to intense pulsed RF fields. Scientific Reports, 2022, 12, 4755.	3.3	0
4	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
5	High-Gain Dual Circularly Polarized Antenna for Air-to-Ground Wireless Link. Chinese Journal of Electronics, 2022, 31, 555-561.	1.5	0
6	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
7	Wideband Dual Circularly Polarized Antipodal Septum Antenna for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 3549-3554.	5.1	9
8	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
9	A Gaussian Beam Mode Analysis Method for 3-D Multi-Reflector Quasi-Optical Systems. Electronics (Switzerland), 2021, 10, 499.	3.1	2
10	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
11	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
12	Phaseless Characterization of Compact Antenna Test Range via Improved Alternating Projection Algorithm. Electronics (Switzerland), 2021, 10, 1545.	3.1	6
13	Design of Low Cross-Polarization Tri-Reflector CATR with Standard Quadric Surfaces Working in Terahertz. Electronics (Switzerland), 2021, 10, 1727.	3.1	0
14	Metasurface Concept for mm-Wave Wideband Circularly Polarized Horns Design. IEEE Transactions on Antennas and Propagation, 2021, 69, 4313-4322.	5.1	6
15	Wideband Dual-Circular-Polarization Antenna based on the Grooved-Wall Horn Antenna for Millimeter-Wave Wireless Communications. , 2021, , .		1
16	Design of High Performance Terahertz Tri-reflector CATR with Ultra-Large Aperture. , 2021, , .		1
17	A Shared-Aperture Dielectric Resonator Antenna with Linear and Circular Polarization Diversity. , 2021, , .		0
18	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

#	ARTICLE	IF	CITATIONS
19	A THz Imaging System Using Linear Sparse Periodic Array. IEEE Sensors Journal, 2020, 20, 3285-3292.	4.7	19
20	Dielectric Resonator Antenna Fed by the Surface-wave Goubau line. , 2020, , .		0
21	W-band grooved-wall circularly polarised horn antenna. IET Microwaves, Antennas and Propagation, 2020, 14, 1171-1174.	1.4	3
22	Phase-Controlled Pattern Diversity Antenna for 360°Continuous Beam Steering. , 2020, , .		1
23	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
24	A 170-260 GHz CPW to Waveguide Contactless Transition Using Interdigital-pin EBG Structure. , 2020, , .		1
25	A Millimeter-Wave Slot Antenna Array Radiating Sum and Difference Beams with Suppressed Sidelobe. , 2020, , .		1
26	A circularly polarized horn antenna with elliptical waveguide polarizer. Microwave and Optical Technology Letters, 2019, 61, 2681-2686.	1.4	1
27	3d Beam Reconfigurable THz Antenna with Graphene-Based High-Impedance Surface. Electronics (Switzerland), 2019, 8, 1291.	3.1	19
28	A Wideband Dual-Circular-Polarization Horn Antenna for mmWave Wireless Communications. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1726-1730.	4.0	44
29	Millimeter-Wave (MMW) Wideband Circularly Polarized Antenna Based on Gap-Waveguide. , 2019, , .		0
30	Experimental Testing of a W-band spatial harmonic magnetron. , 2019, , .		0
31	A Wideband Contactless CPW to W-Band Waveguide Transition. IEEE Microwave and Wireless Components Letters, 2019, 29, 706-709.	3.2	15
32	Compact Wideband Circularly Polarized Antipodal Curvedly Tapered Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 666-669.	4.0	12
33	Frequency Mixer Based on Doppler Effect. IEEE Microwave and Wireless Components Letters, 2018, 28, 43-45.	3.2	6
34	Double-square and gridded-square loop frequency-selective surface in the K-band. Microwave and Optical Technology Letters, 2018, 60, 1136-1142.	1.4	2
35	Optimal Spatial Sampling Criterion in a 2D THz Holographic Imaging System. IEEE Access, 2018, 6, 8173-8177.	4.2	9
36	Low-pass Frequency Selective Surface for a Dual-band Gyro-multiplier Characterized by THz-TDS. , 2018, , .		0

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37	A Continuously Tunable Pattern Reconfigurable Dielectric Resonator Antenna for IEEE 802.11ac Applications. , 2018, , .		0
38	A Compact Multi-Beam End-Fire Circularly Polarized Septum Antenna Array for Millimeter-Wave Applications. IEEE Access, 2018, 6, 62784-62792.	4.2	31
39	Theoretical and Experimental Comparison Results of Dual-Channel 3D Quasi-Optical Network System between Frequency Selective Surface and Wire Grid Polarizer. International Journal of Antennas and Propagation, 2018, 2018, 1-18.	1.2	0
40	Analysis and Design of a Low-Cost Circularly Polarized Horn Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 7363-7367.	5.1	20
41	Analysis and Design of a Wideband Endfire Circularly Polarized Septum Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 5783-5793.	5.1	26
42	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
43	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
44	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
45	Observation of the reversed Cherenkov radiation. Nature Communications, 2017, 8, 14901.	12.8	111
46	Investigation of Frequency-Selective Surfaces for a THz Gyromultiplier Output System. IEEE Transactions on Electron Devices, 2017, 64, 4678-4685.	3.0	8
47	Circular beam-reconfigurable antenna base on graphene-metal hybrid. Electronics Letters, 2016, 52, 494-496.	1.0	28
48	Graphene-metal based tunable band-pass filters in the terahertz band. IET Microwaves, Antennas and Propagation, 2016, 10, 1570-1575.	1.4	17
49	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
50	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
51	Observation of the Zero Doppler Effect. Scientific Reports, 2016, 6, 23973.	3.3	7
52	Pattern-Reconfigurable Dual-Polarized Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1273-1276.	4.0	39
53	Numerical synthesis of tri-reflector CATR with high cross-polarisation isolation. Electronics Letters, 2016, 52, 1286-1288.	1.0	6
54	Polarization rotator of arbitrary angle based on simple slot-array. AIP Advances, 2015, 5, .	1.3	7

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55	Numerical and Experimental Verification of a 3D Quasi-Optical System. International Journal of Antennas and Propagation, 2015, 2015, 1-10.	1.2	0
56	Novel compact monopole antennas for global navigation satellite systems. , 2015, , .		2
57	Observation of the inverse, zero and normal Doppler effect in configurable transmission lines. , 2015, , .		0
58	Compact and printed multiband antennas for 2G/3G/4G smartphones. , 2015, , .		4
59	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
60	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
61	Realizing Tunable Inverse and Normal Doppler Shifts in Reconfigurable RF Metamaterials. Scientific Reports, 2015, 5, 11659.	3.3	21
62	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
63	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
64	Study on the Tunneling Mode in a Sub-Wavelength Open-Cavity Resonator Consisting of Single Negative Materials. IEEE Transactions on Antennas and Propagation, 2014, 62, 504-508.	5.1	1
65	Frequency selective surfaces design for a dual-channel quasi-optical system. Microwave and Optical Technology Letters, 2014, 56, 2365-2369.	1.4	3
66	Design and Performance Study of a Dual-Element Multiband Printed Monopole Antenna Array for MIMO Terminals. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 329-332.	4.0	112
67	Frequency- and time-domain performance of a miniature planar ultra-wideband antenna. Microwave and Optical Technology Letters, 2013, 55, 1058-1065.	1.4	0
68	Pattern-Reconfigurable Planar Circular Ultra-Wideband Monopole Antenna. IEEE Transactions on Antennas and Propagation, 2013, 61, 4973-4980.	5.1	105
69	Study of UWB adaptive bit loading in time varying channel. , 2013, , .		0
70	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
71	Design of a Compact Planar Antenna for UWB Systems. Microwave and Optical Technology Letters, 2013, 55, 1989-1992.	1.4	0
72	Evaluation of MB OFDM UWB for high data rate applications. , 2012, , .		3

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73	Photoconductive characteristics of silicon in millimeter-wave bands. , 2012, , .		0
74	Low frequency heating of gold nanoparticle dispersions for non-invasive thermal therapies. Nanoscale, 2012, 4, 3945.	5.6	52
75	Antennas for multi-mode GNSS applications. , 2012, , .		0
76	Diversity combining for enhanced UWB system performance. , 2011, , .		0
77	Energy transport in a metamaterial subwavelength open-cavity resonator. Optics Letters, 2011, 36, 2224.	3.3	4
78	Study of a two-layer dichroic for quasioptical network. Microwave and Optical Technology Letters, 2010, 52, 900-904.	1.4	1
79	A printed miniature antenna for UWB applications. , 2010, , .		1
80	A printed miniaturised antenna for ultra wideband systems. , 2010, , .		1
81	A Small Printed Quasi-Self-Complementary Antenna for Ultrawideband Systems. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 554-557.	4.0	70
82	Electrical properties of InGaN grown by molecular beam epitaxy. Physica Status Solidi (B): Basic Research, 2008, 245, 868-872.	1.5	9
83	FOCUSED THERMAL BEAM DIRECT PATTERNING ON INGAN DURING MOLECULAR BEAM EPITAXY. International Journal of High Speed Electronics and Systems, 2007, 17, 97-101.	0.7	0
84	BALLISTIC ELECTRON ACCELERATION NEGATIVE-DIFFERENTIAL-CONDUCTIVITY DEVICES. International Journal of High Speed Electronics and Systems, 2007, 17, 173-176.	0.7	2
85	BALLISTIC ELECTRON ACCELERATION NEGATIVE-DIFFERENTIAL-CONDUCTIVITY DEVICES. , 2007, , .		0
86	FOCUSED THERMAL BEAM DIRECT PATTERNING ON INGAN DURING MOLECULAR BEAM EPITAXY. , 2007, , .		0
87	An improved design of orthogonal half disk UWB antenna. , 2006, , .		9
88	Comprehensive study of Ohmic electrical characteristics and optimization of Ti ⁺ •Al ⁺ •Mo ⁺ •Au multilayer Ohmics on undoped AlGaIn ⁺ •GaN heterostructure. Journal of Applied Physics, 2005, 98, 053701.	2.5	14
89	Effects of low intensity radiofrequency electromagnetic fields on electrical activity in rat hippocampal slices. Brain Research, 2001, 904, 43-53.	2.2	85
90	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