

Chao Gu

List of Publications by Year in descending order

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864
citing authors

#	ARTICLE	IF	CITATIONS
1	A Quad-Band Power Amplifier Based on Impedance Frequency Modulation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 724-728.	3.0	0
2	A Transistor-Based Dual-Band High-Efficiency Rectifier With Dual-Polarity Modes. IEEE Microwave and Wireless Components Letters, 2022, 32, 169-172.	3.2	6
3	Substrate integrated waveguide omnidirectional filtering antenna with a controllable radiation null for 5.8 GHz WiFi application. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e23007.	1.2	4
4	Robust Multi-Beam Multiplexing Design Based on a Hybrid Beamforming Structure With Nearly Equal Magnitude Analogue Coefficients. IEEE Transactions on Vehicular Technology, 2022, 71, 5564-5569.	6.3	1
5	Compact and Efficient Broadband Rectifier Using T-type Matching Network. IEEE Microwave and Wireless Components Letters, 2022, 32, 587-590.	3.2	12
6	A Broadband Doherty-Like Power Amplifier With Large Power Back-Off Range. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2722-2726.	3.0	5
7	Design of a D-Band Tilted Beam Antenna. , 2022, , .		1
8	Design of a broadband high-efficiency power amplifier through mixed strategy. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	1
9	PCB prism absorber design and characterisation. Journal of Electromagnetic Waves and Applications, 2021, 35, 27-38.	1.6	0
10	A wide stopband multilayer substrate integrated waveguide bandpass filter with suppression of higher-order mode coupling. International Journal of Microwave and Wireless Technologies, 2021, 13, 1007-1014.	1.9	1
11	Design of a Dual-Band Power Amplifier Using a Simple Method. IEEE Microwave and Wireless Components Letters, 2021, 31, 149-152.	3.2	16
12	A Circularly Polarized Antenna in D-Band. , 2021, , .		2
13	Physical-Layer Security for Frequency Diverse Array-Based Directional Modulation in Fluctuating Two-Ray Fading Channels. IEEE Transactions on Wireless Communications, 2021, 20, 4190-4204.	9.2	10
14	Design of a Quadband Doherty Power Amplifier With Large Power Back-Off Range. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 3598-3610.	5.4	10
15	Efficient Dual-Band Rectifier Using Stepped Impedance Stub Matching Network for Wireless Energy Harvesting. IEEE Microwave and Wireless Components Letters, 2021, 31, 921-924.	3.2	32
16	Ka-band Rectenna With Enhanced Power Handling Capability Using Double-port Horn Antenna. , 2021, , .		2
17	D-Band Antenna-Filter Integration Using Metal 3D Printing. , 2021, , .		0
18	Dual-Band GaN Transistor-Based RF-DC Rectifier. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Study of 140 GHz Waveguide Fed Lenses with Different Dielectric Constant. , 2021, , .		1
20	Design of a Compact D-Band All-Metal Antenna Fed by a Circular Waveguide. , 2021, , .		2
21	SVD-Aided Multi-Beam Directional Modulation Scheme Based on Frequency Diverse Array. IEEE Wireless Communications Letters, 2020, 9, 420-423.	5.0	13
22	3D-Printed 140 GHz Beam-Scanning Antenna Using Partially Reflecting Surface. , 2020, , .		1
23	Multi-Beam Multiplexing Design for Arbitrary Directions Based on the Interleaved Subarray Architecture. IEEE Transactions on Vehicular Technology, 2020, 69, 11220-11232.	6.3	13
24	High Isolation Substrate Integrated Waveguide Diplexer With Flexible Transmission Zeros. IEEE Microwave and Wireless Components Letters, 2020, 30, 1029-1032.	3.2	19
25	Dual-Beam Multiplexing Under an Equal Magnitude Constraint Based on a Hybrid Beamforming Structure. , 2020, , .		1
26	Study of Broadband/Dual-band Stack Prism Absorber. , 2020, , .		1
27	Isolation Enhancement Between Waveguide Slot Arrays Using Quasi-Gap Waveguide Structure. , 2020, , .		0
28	A D-Band 3D-Printed Antenna. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 433-442.	3.1	36
29	140 GHz Additive Manufacturing Low-Cost and High-Gain Fabry-Perot Resonator Antenna. , 2020, , .		7
30	A Review of Broadband Low-Cost and High-Gain Low-Terahertz Antennas for Wireless Communications Applications. IEEE Access, 2020, 8, 57615-57629.	4.2	47
31	Terahertz polarization reconfigurable segmented helical antenna using additive manufacturing. , 2019, , .		2
32	Two-Beam Multiplexing with Inter-Subarray Coding for Arbitrary Directions Based on Interleaved Subarray Architectures. , 2019, , .		3
33	Frequency-Reconfigurable Pattern-Steerable Antenna Using Active Frequency Selective Surface. , 2018, , .		0
34	Wideband high-gain millimetre/submillimetre wave antenna using additive manufacturing. IET Microwaves, Antennas and Propagation, 2018, 12, 1758-1764.	1.4	8
35	A Low-profile 2D Tilted-beam Resonant Cavity Antenna. , 2018, , .		0
36	A Triband Low-Profile High-Gain Planar Antenna Using Fabry-Perot Cavity. IEEE Transactions on Antennas and Propagation, 2017, 65, 2683-2688.	5.1	37

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37	Frequency-Agile Beam-Switchable Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 3819-3826.	5.1	37
38	Dual-Band Electronically Beam-Switched Antenna Using Slot Active Frequency Selective Surface. IEEE Transactions on Antennas and Propagation, 2017, 65, 1393-1398.	5.1	48
39	3-D Coverage Beam-Scanning Antenna Using Feed Array and Active Frequency-Selective Surface. IEEE Transactions on Antennas and Propagation, 2017, 65, 5862-5870.	5.1	43
40	Low-cost wideband low-THz antennas for wireless communications and sensing. , 2017, , .		8
41	Wideband low-THz antennas for high-speed wireless communications. , 2017, , .		3
42	Research on secure communication based on LDPC code. , 2016, , .		1
43	A Simple Low-Cost Shared-Aperture Dual-Band Dual-Polarized High-Gain Antenna for Synthetic Aperture Radars. IEEE Transactions on Antennas and Propagation, 2016, 64, 2914-2922.	5.1	84
44	Compact Smart Antenna With Electronic Beam-Switching and Reconfigurable Polarizations. IEEE Transactions on Antennas and Propagation, 2015, 63, 5325-5333.	5.1	73
45	Wideband Circularly Polarized Fabry-Perot Antenna [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2015, 57, 127-135.	1.4	58
46	An Energy-Aware Routing Protocol for Mobile Ad Hoc Networks Based on Route Energy Comprehensive Index. Wireless Personal Communications, 2014, 79, 1557-1570.	2.7	17
47	Wideband high directivity circularly polarized Fabry-Perot antenna. , 2014, , .		2
48	Varactor-loaded dual-polarized unit-cell for reconfigurable reflectarrays. , 2014, , .		1
49	Design of broadband ESPAR antenna using inverted F monopoles. , 2014, , .		5
50	Substrate-Integrated waveguide matching terminations with microwave absorbing material. Electronics Letters, 2014, 50, 1216-1218.	1.0	11
51	Design of Linear-Phase FIR Multiple-Notch Filters via an Iterative Reweighted OMP Scheme. IEEE Transactions on Circuits and Systems II: Express Briefs, 2014, 61, 813-817.	3.0	5
52	A Minimum Interference Cross-Layer Routing Protocol for Mobile Ad Hoc Networks. Wireless Personal Communications, 2013, 72, 2741-2760.	2.7	2
53	Design of Linear-Phase Notch Filters Based on the OMP Scheme and the Chebyshev Window. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 592-596.	3.0	8
54	Design of a wide-band and quasi-omnidirectional tabulate metamaterial absorber in the terahertz regime. Hongwai Yu Haomibo Xuebao/Journal of Infrared and Millimeter Waves, 2012, 30, 350-353.	0.2	1

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55	Dual band frequency selective surface based on circular aperture-coupled patches. Microwave and Optical Technology Letters, 2011, 53, 1784-1786.	1.4	17
56	Broadband planar left-handed metamaterials using split-ring resonator pairs. Photonics and Nanostructures - Fundamentals and Applications, 2009, 7, 108-113.	2.0	54
57	A Controllable Magnetic Metamaterial: Split-Ring Resonator With Rotated Inner Ring. IEEE Transactions on Antennas and Propagation, 2008, 56, 2018-2022.	5.1	42