

Chao Gu

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

841
citations

567281

15
h-index

526287

27
g-index

62
all docs

62
docs citations

62
times ranked

864
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Compact Smart Antenna With Electronic Beam-Switching and Reconfigurable Polarizations. IEEE Transactions on Antennas and Propagation, 2015, 63, 5325-5333.	5.1	73
3	Wideband Circularly Polarized Fabry-Perot Antenna [Antenna Applications Corner]. IEEE Antennas and Propagation Magazine, 2015, 57, 127-135.	1.4	58
4	Broadband planar left-handed metamaterials using split-ring resonator pairs. Photonics and Nanostructures - Fundamentals and Applications, 2009, 7, 108-113.	2.0	54
5	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
6	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
7	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
8	A Controllable Magnetic Metamaterial: Split-Ring Resonator With Rotated Inner Ring. IEEE Transactions on Antennas and Propagation, 2008, 56, 2018-2022.	5.1	42
9	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
10	Frequency-Agile Beam-Switchable Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 3819-3826.	5.1	37
11	A D-Band 3D-Printed Antenna. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 433-442.	3.1	36
12	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
13	High Isolation Substrate Integrated Waveguide Diplexer With Flexible Transmission Zeros. IEEE Microwave and Wireless Components Letters, 2020, 30, 1029-1032.	3.2	19
14	Dual band frequency selective surface based on circular aperture-coupled patches. Microwave and Optical Technology Letters, 2011, 53, 1784-1786.	1.4	17
15	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
16	Design of a Dual-Band Power Amplifier Using a Simple Method. IEEE Microwave and Wireless Components Letters, 2021, 31, 149-152.	3.2	16
17	SVD-Aided Multi-Beam Directional Modulation Scheme Based on Frequency Diverse Array. IEEE Wireless Communications Letters, 2020, 9, 420-423.	5.0	13
18	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

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19	Compact and Efficient Broadband Rectifier Using T-type Matching Network. IEEE Microwave and Wireless Components Letters, 2022, 32, 587-590.	3.2	12
20	Substrate-Integrated waveguide matching terminations with microwave absorbing material. Electronics Letters, 2014, 50, 1216-1218.	1.0	11
21	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
22	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
23	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
24	Low-cost wideband low-THz antennas for wireless communications and sensing. , 2017, , .		8
25	Wideband high-gain millimetre/submillimetre wave antenna using additive manufacturing. IET Microwaves, Antennas and Propagation, 2018, 12, 1758-1764.	1.4	8
26	140 GHz Additive Manufacturing Low-Cost and High-Gain Fabry-Perot Resonator Antenna. , 2020, , .		7
27	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
28	Design of broadband ESPAR antenna using inverted F monopoles. , 2014, , .		5
29	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
30	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
31	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
32	Wideband low-THz antennas for high-speed wireless communications. , 2017, , .		3
33	Two-Beam Multiplexing with Inter-Subarray Coding for Arbitrary Directions Based on Interleaved Subarray Architectures. , 2019, , .		3
34	A Minimum Interference Cross-Layer Routing Protocol for Mobile Ad Hoc Networks. Wireless Personal Communications, 2013, 72, 2741-2760.	2.7	2
35	Wideband high directivity circularly polarized Fabry-Perot antenna. , 2014, , .		2
36	Terahertz polarization reconfigurable segmented helical antenna using additive manufacturing. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
37	A Circularly Polarized Antenna in D-Band. , 2021, , .		2
38	Ka-band Rectenna With Enhanced Power Handling Capability Using Double-port Horn Antenna. , 2021, , .		2
39	Dual-Band GaN Transistor-Based RF-DC Rectifier. , 2021, , .		2
40	Design of a Compact D-Band All-Metal Antenna Fed by a Circular Waveguide. , 2021, , .		2
41	Varactor-loaded dual-polarized unit-cell for reconfigurable reflectarrays. , 2014, , .		1
42	Research on secure communication based on LDPC code. , 2016, , .		1
43	3D-Printed 140 GHz Beam-Scanning Antenna Using Partially Reflecting Surface. , 2020, , .		1
44	Dual-Beam Multiplexing Under an Equal Magnitude Constraint Based on a Hybrid Beamforming Structure. , 2020, , .		1
45	Study of Broadband/Dual-band Stack Prism Absorber. , 2020, , .		1
46	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
47	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
48	Study of 140 GHz Waveguide Fed Lenses with Different Dielectric Constant. , 2021, , .		1
49	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
50	Design of a D-Band Tilted Beam Antenna. , 2022, , .		1
51	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
52	Frequency-Reconfigurable Pattern-Steerable Antenna Using Active Frequency Selective Surface. , 2018, , .		0
53	Isolation Enhancement Between Waveguide Slot Arrays Using Quasi-Gap Waveguide Structure. , 2020, , .		0
54	PCB prism absorber design and characterisation. Journal of Electromagnetic Waves and Applications, 2021, 35, 27-38.	1.6	0

#	ARTICLE	IF	CITATIONS
55	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
56	D-Band Antenna-Filter Integration Using Metal 3D Printing. , 2021, , .		0
57	A Low-profile 2D Tilted-beam Resonant Cavity Antenna. , 2018, , .		0