

Hua Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	High-Order-Mode Cavity Fed Antenna Arrays for Diverse Polarizations With Compact Size, High Gain, and High Efficiency. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 1045-1056.	5.1	6
2	Broadband and High-Gain High-Order-Mode Fed Open-Ended Waveguide Antenna Array for Millimeter-Wave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 8614-8619.	5.1	6
3	A reflective metasurface for generating dual-mode dual-polarized high-order Bessel vortex beams with equal divergence angle. <i>IET Microwaves, Antennas and Propagation</i> , 2022, 16, 489-496.	1.4	5
4	Broadband and High-Gain Dual-Polarized Antenna Array With Shared Vias Feeding Network for 5G Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 2377-2381.	4.0	10
5	Synthesis, preclinical evaluation, and a pilot clinical imaging study of [18F]AlF-NOTA-JR11 for neuroendocrine neoplasms compared with [68Ga]Ga-DOTA-TATE. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 3129-3140.	6.4	17
6	60-GHz wideband circularly polarized antenna array based on TE ₃₄₀ mode SIC and sequential rotation feeding technique. <i>IET Microwaves, Antennas and Propagation</i> , 2021, 15, 807-814.	1.4	2
7	A single-feed circularly polarized loop antenna using characteristic mode analysis. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021, 31, e22648.	1.2	6
8	Low-cost high-order-mode cavity backed slot array antenna using empty substrate integrated waveguide for the 5G n260 band. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2021, 22, 609-614.	2.6	6
9	Generation of Millimeter-Wave Nondiffracting Airy OAM Beam Using a Single-Layer Hexagonal Lattice Reflectarray. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1093-1097.	4.0	22
10	A 320 GHz Octagonal Shorted Annular Ring On-Chip Antenna Array. <i>IEEE Access</i> , 2020, 8, 84282-84289.	4.2	17
11	UHF RFID tag antenna based on the DLS-EBC structure for metallic objects. <i>IET Microwaves, Antennas and Propagation</i> , 2020, 14, 567-572.	1.4	7
12	UHF pure near-field RFID reader antenna based on CSRR. <i>IET Microwaves, Antennas and Propagation</i> , 2020, 14, 634-642.	1.4	6
13	Harmonic Multiple Loop Detection (HMLD) Algorithm for Not-Contact Vital Sign Monitoring Based on Ultra-Wideband (UWB) Radar. <i>IEEE Access</i> , 2020, 8, 38786-38793.	4.2	20
14	Wideband Circularly Polarized High-Order Bessel Beam Reflectarray Design Using Multiple-Ring-Cascade Elements. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1226-1230.	4.0	17
15	A 260-GHz on-chip cavity-backed slot antenna. <i>International Journal of Microwave and Wireless Technologies</i> , 2019, 11, 27-34.	1.9	1
16	Effects of physical exercise on negative emotional susceptibility in young adult females: An event-related potential study. <i>Brain Research</i> , 2019, 1722, 146382.	2.2	7
17	A broadband beam scanning antenna array based on substrate integrated coaxial line Butler matrix for Q-band application. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 2781-2788.	1.4	3
18	Dielectric-Slab-Loaded Hollow Substrate-Integrated Waveguide H -Plane Horn Antenna Array at K -Band. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 1751-1755.	4.0	11

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19	Compact ultra-wideband bandpass filter based on composite right/left-handed transmission line with improved out-of-band performance. <i>Electromagnetics</i> , 2019, 39, 443-452.	0.7	7
20	Gain and Bandwidth Improvement of Empty Substrate Integrated Waveguide H-plane Horn Antenna at W-band. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019, 40, 811-821.	2.2	1
21	A Novel Near-Field UHF RFID Reader Array Antenna for Configurable Electrically Large Reading Area. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 6714-6723.	5.1	8
22	Pattern synthesis of the multimode orbital angular momentum beams based on the fruit fly optimization algorithm. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21876.	1.2	9
23	A novel double- π model for multilayer inductor based on 130 nm SiGe process and modified parameter extraction procedure. <i>Electromagnetics</i> , 2019, 39, 537-555.	0.7	1
24	Wideband Circularly Polarized Dual-Mode Vortex Beams Reflectarray Design Using Dual-Semi-Split-Loop Elements. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 2676-2680.	4.0	14
25	Wideband Vortex Beam Reflectarray Design Using Quarter-Wavelength Element. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 1458-1462.	4.0	17
26	Generation of Broadband High-Purity Dual-Mode OAM Beams Using A Four-Feed Patch Antenna: Theory and Implementation. <i>Scientific Reports</i> , 2019, 9, 12977.	3.3	22
27	Broadband High-Order OAM Reflective Metasurface With High Mode Purity Using Subwavelength Element and Circular Aperture. <i>IEEE Access</i> , 2019, 7, 71963-71971.	4.2	18
28	A nano-cocktail of an NIR-II emissive fluorophore and organoplatinum(Pt^{II}) metallacycle for efficient cancer imaging and therapy. <i>Chemical Science</i> , 2019, 10, 7023-7028.	7.4	98
29	Low-Cost Empty Substrate Integrated Waveguide Slot Arrays for Millimeter-Wave Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 1021-1025.	4.0	13
30	High-gain cavity backed patch antenna arrays at 140 GHz based on LTCC technology. <i>International Journal of Microwave and Wireless Technologies</i> , 2019, 11, 829-834.	1.9	4
31	A compact broad E-plane beamwidth magneto-electric dipole antenna array for UWB application. <i>Electromagnetics</i> , 2019, 39, 80-88.	0.7	3
32	A RFID switch beam scanning antenna array for application in complex environment. <i>Electromagnetics</i> , 2019, 39, 51-62.	0.7	0
33	Broadband and High-gain Millimeter-wave and Terahertz Antenna Arrays. , 2019, , .		4
34	On-Chip Inductor for Millimeter-wave Regime. , 2019, , .		2
35	Broadband and High-Gain SIW-Fed Slot Array for Millimeter-Wave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2019, 67, 3484-3489.	5.1	32
36	235 GHz on-chip antenna with miniaturised AMC loading in 65 nm CMOS. <i>IET Microwaves, Antennas and Propagation</i> , 2018, 12, 727-733.	1.4	13

#	ARTICLE	IF	CITATIONS
37	A Compact 267 GHz Shorted Annular Ring Antenna With Surface Wave Suppression in 130 nm SiGe BiCMOS. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 760-763.	4.0	8
38	Beam Scanning UHF RFID Reader Antenna Design for Metal Environment Application (Invited paper). , 2018, , .		6
39	An ultra-compact and low insertion loss 60â€™GHz CMOS on-chip bandpass filter. Microwave and Optical Technology Letters, 2018, 60, 3050-3053.	1.4	0
40	Clinical and Prognostic Value of PET/CT Imaging with Combination of ⁶⁸ Ga-DOTATATE and ¹⁸ F-FDG in Gastroenteropancreatic Neuroendocrine Neoplasms. Contrast Media and Molecular Imaging, 2018, 2018, 1-9.	0.8	58
41	Reflective phase-shifting surface for generating orbital angular momentum waves. , 2018, , .		4
42	A 4.2/7.2 GHz dual-band LCVCO in 0.13 mm SiGe BiCMOS. Microwave and Optical Technology Letters, 2017, 59, 1439-1441.	1.4	2
43	Design and Characterization of CMOS Transmission Lines in Sub-THz Region. Electromagnetics, 2017, 37, 331-344.	0.7	1
44	A 140-GHz high-gain broadband tapered box-horn array antenna. , 2017, , .		3
45	A novel compact dual-band antenna based on composite right/left hand transmission line (CRH-TL) for WLAN application. IEICE Electronics Express, 2017, 14, 20170490-20170490.	0.8	0
46	Micromachined patch antenna array design and optimization by using artificial neural network. IEICE Electronics Express, 2017, 14, 20170031-20170031.	0.8	3
47	Design of a SiGe BiCMOS on-chip slot antenna. , 2016, , .		1
48	Twoâ€™dimensional scanning antenna array for UHF radio frequency identification system application. IET Microwaves, Antennas and Propagation, 2014, 8, 1250-1258.	1.4	12
49	A novel interference cancellation receiver in DS-CDMA-MIMO system. , 2012, , .		0