

Huan-Huan Lv

List of Publications by Year in descending order

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70
papers

640
citations

759233

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642732

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70
all docs

70
docs citations

70
times ranked

652
citing authors

#	ARTICLE	IF	CITATIONS
1	Tightly Arranged Four-Element MIMO Antennas for 5G Mobile Terminals. IEEE Transactions on Antennas and Propagation, 2019, 67, 6353-6361.	5.1	105
2	Millimeterwave and Terahertz Waveguide-Fed Circularly Polarized Antipodal Curvedly Tapered Slot Antennas. IEEE Transactions on Antennas and Propagation, 2016, 64, 1607-1614.	5.1	56
3	Low-Profile Transmitting Metasurface Using Single Dielectric Substrate for OAM Generation. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 881-885.	4.0	48
4	Low-index-metamaterial for gain enhancement of planar terahertz antenna. AIP Advances, 2014, 4, .	1.3	37
5	A Symmetrical Dual-Beam Bowtie Antenna With Gain Enhancement Using Metamaterial for 5G MIMO Applications. IEEE Photonics Journal, 2019, 11, 1-9.	2.0	30
6	Active Microwave Metamaterials Incorporating Ideal Gain Devices. Materials, 2011, 4, 73-83.	2.9	25
7	Compact Folded Slot Antenna and Its Endfire Arrays With High Gain and Vertical Polarization. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 786-790.	4.0	25
8	Experimental Realization of Terahertz Waveguide-Fed Circularly Polarized Double-Fan-Shaped Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2066-2069.	4.0	20
9	Fully Metallic Anisotropic Lens Crossover-in-Antenna Based on Parallel Plate Waveguide Loaded With Uniform Posts. IEEE Transactions on Antennas and Propagation, 2020, 68, 5061-5070.	5.1	19
10	Fixed-Frequency Beam-Steering Leaky-Wave Antenna With Switchable Beam Number. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2077-2081.	4.0	18
11	Experimental Realization of High Transmittance THz 90°-Bend Waveguide Using EMXT Structure. IEEE Photonics Technology Letters, 2013, 25, 519-522.	2.5	17
12	Compact Fully Metallic Millimeter-Wave Waveguide-Fed Periodic Leaky-Wave Antenna Based on Corrugated Parallel-Plate Waveguides. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 806-810.	4.0	14
13	Planar Luneburg Lens Based on the High Impedance Surface for Effective Ku-Band Wave Focusing. IEEE Access, 2018, 6, 16942-16947.	4.2	13
14	Fully Metallic Dual-Polarized Luneburg Lens Antenna Based on Gradient Parallel Plate Waveguide Loaded With Nonuniform Nail. IEEE Transactions on Antennas and Propagation, 2022, 70, 697-701.	5.1	13
15	Holographic Design of Beam-Switchable Leaky-Wave Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2736-2740.	4.0	12
16	Experimental realisation of micromachined terahertz waveguide-fed antipodal tapered slot antenna. Electronics Letters, 2014, 50, 615-617.	1.0	11
17	Experimental radiation characteristics of micromachined terahertz low-profile corrugated horn antenna. Microwave and Optical Technology Letters, 2015, 57, 364-367.	1.4	11
18	A THz Detector Chip With Printed Circular Cavity as Package and Enhancement of Antenna Gain. IEEE Transactions on Antennas and Propagation, 2016, 64, 1242-1249.	5.1	11

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19	Polarization-Independent and Angle-Insensitive Metamaterial Absorber Using 90-Degree-Rotated Split-Ring Resonators. International Journal of Antennas and Propagation, 2015, 2015, 1-6.	1.2	9
20	Wideband MIMO antenna with small ground clearance for mobile terminals. IET Microwaves, Antennas and Propagation, 2019, 13, 1419-1426.	1.4	9
21	Substrate integrated waveguide filter based on novel coupling-enhanced semicircle slots for 5G applications. IEICE Electronics Express, 2019, 16, 20190125-20190125.	0.8	8
22	HiSi-based bandpass filter with improved upper-stopband performance. Electronics Letters, 2018, 54, 363-364.	1.0	7
23	Low-profile circularly polarised patch-ring antenna with compact feeding network. IET Microwaves, Antennas and Propagation, 2018, 12, 410-415.	1.4	7
24	Wideband Circularly Polarized Waveguide-Fed Antipodal Exponential Tapered Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1912-1916.	4.0	7
25	Compact terahertz detector based on lightweight 3D-printed lens packaging. Electronics Letters, 2019, 55, 796-797.	1.0	7
26	New two-dimensional PBG structures for THz transmission line and antenna integrated design based on MEMS technology. , 2010, , .		6
27	Radiation characteristics of terahertz waveguide-fed circularly polarised antipodal exponentially tapered slot antenna. Electronics Letters, 2014, 50, 1122-1123.	1.0	6
28	A Millimeter-Wave Fully Metallic Six-Channel Crossover Based on Maxwell Fish-Eye Lens. IEEE Microwave and Wireless Components Letters, 2020, 30, 1041-1044.	3.2	6
29	Schottky diodes with the cutoff frequency of 2.6 THz and its applications in focal imaging array. , 2012, , .		5
30	220-ÅGHz high spatial resolution detector with above-chip mounted dielectric lens. Electronics Letters, 2017, 53, 538-540.	1.0	5
31	Joint Optimization of Anchor Deployment and Power Allocation in Wireless Network Localization. IEEE Communications Letters, 2020, 24, 1086-1089.	4.1	5
32	A 5.8 GHz CMOS low noise amplifier for electronic toll collection system. , 2012, , .		4
33	Determination of the effective constitutive parameters of active transmission line metamaterials. , 2012, , .		4
34	Experimental realisation of micromachined terahertz electromagnetic crystal (EMXT) waveguide bandpass filter. Electronics Letters, 2014, 50, 1952-1953.	1.0	4
35	Experimental realization of micromachined terahertz corrugated conical horn antenna. Microwave and Optical Technology Letters, 2016, 58, 2563-2566.	1.4	4
36	Design of 0.14 thz lens integrated on-chip antenna with defected ground structure. , 2017, , .		4

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37	A 1-bit 220GHz Reconfigurable Reflectarray. , 2019, , .		4
38	Design of a broadband wide-angle circularly polarized microstrip patch antenna with small phase deviation. , 2008, , .		3
39	A miniaturized LTCC Lowpass filter with two transmission zeros. , 2011, , .		3
40	A CMOS Schottky barrier diode with the four-sided cathode. , 2016, , .		3
41	Experimental realization of micromachined terahertz multisteped quasi-diagonal horn antenna. Microwave and Optical Technology Letters, 2017, 59, 2644-2648.	1.4	3
42	Holographic design of leaky-wave antenna with gain controlled four beams. Microwave and Optical Technology Letters, 2019, 61, 638-643.	1.4	3
43	340GHz lens-coupled 4 × 4 GaAs detector array for terahertz imaging applications. Electronics Letters, 2018, 54, 1180-1182.	1.0	3
44	220 GHz focal plane imaging demonstration using integrated terahertz array detector. Microwave and Optical Technology Letters, 2020, 62, 2826-2829.	1.4	3
45	A compact low pass filter with good stopband performance using an open-loop-arms defected ground structure unit. , 2009, , .		2
46	Design of integrated antenna-coupled detector for MMW and Sub-MMW imaging. , 2010, , .		2
47	A high-performance stepped frequency synthesizer for synthetic aperture radar. , 2012, , .		2
48	Multiple-Feature Kernel Hashing for Mass Detection. , 2016, , .		2
49	Spatial filtering strategies on deforestation detection using SAR image textures. , 2016, , .		2
50	Compact and Wideband Millimeter-Wave Antenna-Coupled Detector. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1058-1069.	4.6	2
51	A simple method to generate orbital angular momentum beams with microstrip ring antenna. , 2018, , .		2
52	A Wideband Close-spaced 5G MIMO Antenna with Mutual Coupling Reduction Using Combined Decoupling Networks. , 2019, , .		2
53	A compact Wideband quasi-optical detector packaged by metasurface reflector and 3D-printed lens. Microwave and Optical Technology Letters, 2020, 62, 750-755.	1.4	2
54	Design of low power wake-up circuits applied to OBU system chip. , 2012, , .		1

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55	Terahertz horn antenna with double-layer corrugated V groove for gain enhancement. , 2013, , .		1
56	Carbon nanotube-based printed antenna for conformal applications. , 2013, , .		1
57	Broadband High Transmittance 220 GHz Polarization Rotator with Chiral Metamaterial. , 2020, , .		1
58	Experimental Realization of Silicon Micromachined Terahertz Diplexer-Antenna Module for Heterodyne Receiver. IEEE Transactions on Antennas and Propagation, 2022, 70, 7130-7135.	5.1	1
59	Design and realization of an antenna-coupled detector for MW/MMW imaging. , 2012, , .		0
60	A high performance 0.18 μm CMOS downconversion active mixer. , 2012, , .		0
61	2D simulations of non-local transport effects in deep-submicrometer HEMTs. , 2013, , .		0
62	Design of LTCC multi-channel flip-chip interconnect structure based on factorial analysis. , 2013, , .		0
63	Design of a spherical array by orthogonal projection of a planar microstrip antenna array. , 2013, , .		0
64	Low phase noise LC VCO with self-bias tail. , 2014, , .		0
65	Noncoplanar optical bow-tie shaped nanoantenna and array for near-field enhancement. , 2017, , .		0
66	Integrated lens antenna with a conic extension at 220 GHz. IEICE Electronics Express, 2017, 14, 20170741-20170741.	0.8	0
67	A Terahertz-wave Double-Band Transition from Substrate Integrated Waveguide to Rectangular Waveguide for InP MMIC. , 2018, , .		0
68	Low-cost and low-profile W-band antenna-coupled detector array. , 2019, , .		0
69	Graphene-Integrated Tunable and Broadband Terahertz Absorber. , 2020, , .		0
70	Compact and Wideband Terahertz Lens Integrated Bow-tie Antenna for detector. , 2021, , .		0