

# Huan-Huan Lv

## List of Publications by Year in descending order

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70  
papers

640  
citations

759233

12  
h-index

642732

23  
g-index

70  
all docs

70  
docs citations

70  
times ranked

652  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Compact and Wideband Terahertz Lens Integrated Bow-tie Antenna for detector. , 2021, , .		0
4	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
5	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
6	Fixed-Frequency Beam-Steering Leaky-Wave Antenna With Switchable Beam Number. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2077-2081.	4.0	18
7	220 GHz focal plane imaging demonstration using integrated terahertz array detector. Microwave and Optical Technology Letters, 2020, 62, 2826-2829.	1.4	3
8	Joint Optimization of Anchor Deployment and Power Allocation in Wireless Network Localization. IEEE Communications Letters, 2020, 24, 1086-1089.	4.1	5
9	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
10	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
11	Low-Profile Transmitting Metasurface Using Single Dielectric Substrate for OAM Generation. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 881-885.	4.0	48
12	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
13	Broadband High Transmittance 220 GHz Polarization Rotator with Chiral Metamaterial. , 2020, , .		1
14	Graphene-Integrated Tunable and Broadband Terahertz Absorber. , 2020, , .		0
15	Holographic design of leaky-wave antenna with gain controlled four beams. Microwave and Optical Technology Letters, 2019, 61, 638-643.	1.4	3
16	Wideband MIMO antenna with small ground clearance for mobile terminals. IET Microwaves, Antennas and Propagation, 2019, 13, 1419-1426.	1.4	9
17	Tightly Arranged Four-Element MIMO Antennas for 5G Mobile Terminals. IEEE Transactions on Antennas and Propagation, 2019, 67, 6353-6361.	5.1	105
18	Holographic Design of Beam-Switchable Leaky-Wave Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 2736-2740.	4.0	12

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19	Wideband Circularly Polarized Waveguide-Fed Antipodal Exponential Tapered Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1912-1916.	4.0	7
20	Substrate integrated waveguide filter based on novel coupling-enhanced semicircle slots for 5G applications. IEICE Electronics Express, 2019, 16, 20190125-20190125.	0.8	8
21	Low-cost and low-profile W-band antenna-coupled detector array. , 2019, , .		0
22	A 1-bit 220GHz Reconfigurable Reflectarray. , 2019, , .		4
23	Compact terahertz detector based on lightweight 3D-printed lens packaging. Electronics Letters, 2019, 55, 796-797.	1.0	7
24	A Wideband Close-spaced 5G MIMO Antenna with Mutual Coupling Reduction Using Combined Decoupling Networks. , 2019, , .		2
25	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
26	Planar Luneburg Lens Based on the High Impedance Surface for Effective Ku-Band Wave Focusing. IEEE Access, 2018, 6, 16942-16947.	4.2	13
27	HIS-based bandpass filter with improved upper-stopband performance. Electronics Letters, 2018, 54, 363-364.	1.0	7
28	Low-profile circularly polarised patch-ring antenna with compact feeding network. IET Microwaves, Antennas and Propagation, 2018, 12, 410-415.	1.4	7
29	Compact and Wideband Millimeter-Wave Antenna-Coupled Detector. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1058-1069.	4.6	2
30	A Terahertz-wave Double-Band Transition from Substrate Integrated Waveguide to Rectangular Waveguide for InP MMIC. , 2018, , .		0
31	A simple method to generate orbital angular momentum beams with microstrip ring antenna. , 2018, , .		2
32	340GHz lens-coupled 4 × 4 GaAs detector array for terahertz imaging applications. Electronics Letters, 2018, 54, 1180-1182.	1.0	3
33	220GHz high spatial resolution detector with above-chip mounted dielectric lens. Electronics Letters, 2017, 53, 538-540.	1.0	5
34	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
35	Noncoplanar optical bow-tie shaped nanoantenna and array for near-field enhancement. , 2017, , .		0
36	Experimental realization of micromachined terahertz multisteped quasi-diagonal horn antenna. Microwave and Optical Technology Letters, 2017, 59, 2644-2648.	1.4	3

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37	Integrated lens antenna with a conic extension at 220 GHz. IEICE Electronics Express, 2017, 14, 20170741-20170741.	0.8	0
38	Design of 0.14 thz lens integrated on-chip antenna with defected ground structure. , 2017, , .		4
39	Multiple-Feature Kernel Hashing for Mass Detection. , 2016, , .		2
40	A CMOS Schottky barrier diode with the four-sided cathode. , 2016, , .		3
41	Experimental realization of micromachined terahertz corrugated conical horn antenna. Microwave and Optical Technology Letters, 2016, 58, 2563-2566.	1.4	4
42	Spatial filtering strategies on deforestation detection using SAR image textures. , 2016, , .		2
43	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
44	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
45	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
46	Experimental radiation characteristics of micromachined terahertz low-profile corrugated horn antenna. Microwave and Optical Technology Letters, 2015, 57, 364-367.	1.4	11
47	Experimental realisation of micromachined terahertz electromagnetic crystal (EMXT) waveguide bandpass filter. Electronics Letters, 2014, 50, 1952-1953.	1.0	4
48	Experimental realisation of micromachined terahertz waveguide-fed antipodal tapered slot antenna. Electronics Letters, 2014, 50, 615-617.	1.0	11
49	Radiation characteristics of terahertz waveguide-fed circularly polarised antipodal exponentially tapered slot antenna. Electronics Letters, 2014, 50, 1122-1123.	1.0	6
50	Low phase noise LC VCO with self-bias tail. , 2014, , .		0
51	Low-index-metamaterial for gain enhancement of planar terahertz antenna. AIP Advances, 2014, 4, .	1.3	37
52	2D simulations of non-local transport effects in deep-submicrometer HEMTs. , 2013, , .		0
53	Terahertz horn antenna with double-layer corrugated V groove for gain enhancement. , 2013, , .		1
54	Design of LTCC multi-channel flip-chip interconnect structure based on factorial analysis. , 2013, , .		0

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55	Carbon nanotube-based printed antenna for conformal applications. , 2013, , .		1
56	Experimental Realization of High Transmittance THz 90 <sup>°</sup> -Bend Waveguide Using EMXT Structure. IEEE Photonics Technology Letters, 2013, 25, 519-522.	2.5	17
57	Design of a spherical array by orthogonal projection of a planar microstrip antenna array. , 2013, , .		0
58	A 5.8 GHz CMOS low noise amplifier for electronic toll collection system. , 2012, , .		4
59	Design and realization of an antenna-coupled detector for MW/MMW imaging. , 2012, , .		0
60	Design of low power wake-up circuits applied to OBU system chip. , 2012, , .		1
61	A high-performance stepped frequency synthesizer for synthetic aperture radar. , 2012, , .		2
62	Schottky diodes with the cutoff frequency of 2.6 THz and its applications in focal imaging array. , 2012, , .		5
63	Determination of the effective constitutive parameters of active transmission line metamaterials. , 2012, , .		4
64	A high performance 0.18 $\mu\text{m}$ CMOS downconversion active mixer. , 2012, , .		0
65	Active Microwave Metamaterials Incorporating Ideal Gain Devices. Materials, 2011, 4, 73-83.	2.9	25
66	A miniaturized LTCC Lowpass filter with two transmission zeros. , 2011, , .		3
67	New two-dimensional PBG structures for THz transmission line and antenna integrated design based on MEMS technology. , 2010, , .		6
68	Design of integrated antenna-coupled detector for MMW and Sub-MMW imaging. , 2010, , .		2
69	A compact low pass filter with good stopband performance using an open-loop-arms defected ground structure unit. , 2009, , .		2
70	Design of a broadband wide-angle circularly polarized microstrip patch antenna with small phase deviation. , 2008, , .		3