

# hui-fen Huang

## List of Publications by Year in descending order

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citations

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docs citations

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times ranked

338  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Efficiency Planar Reflectarray With Small-Size for OAM Generation at Microwave Range. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 432-436.	4.0	65
2	A Compact Dual-Polarized Chipless RFID Tag by Using Nested Concentric Square Loops. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1036-1039.	4.0	54
3	Techniques for Improving the High-Frequency Performance of the Planar CM EMI Filter. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 901-908.	2.2	26
4	Decoupled Dual-Antenna With Three Slots and a Connecting Line for Mobile Terminals. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1730-1733.	4.0	21
5	Compact MIMO antenna for Bluetooth, WiMAX, WLAN, and UWB applications. Microwave and Optical Technology Letters, 2016, 58, 783-787.	1.4	15
6	A Spiral Electrically Small Magnetic Antenna With High Radiation Efficiency for Wireless Power Transfer. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1495-1498.	4.0	13
7	Single-layer dual-frequency unit for multifunction OAM reflectarray applications at the microwave range. Optics Letters, 2020, 45, 5165.	3.3	12
8	High-Efficiency Multifunction Metasurface Based on Polarization Sensitivity. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1508-1512.	4.0	10
9	A Minimized 2-D Left-Handed Material Spiral Unit Cell With Rotation Symmetry for Midrange Wireless Power Transfer. IEEE Microwave and Wireless Components Letters, 2017, 27, 882-884.	3.2	8
10	A single fed wideband <sc>mode reconfigurable OAM</sc> metasurface <sc>CP</sc> antenna array with simple feeding scheme. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22499.	1.2	8
11	Fractal Power Network Based on Plant Vein for Power Integrity. IEEE Transactions on Electromagnetic Compatibility, 2010, 52, 759-762.	2.2	7
12	Compact multiband monopole antenna for WLAN/WiMAX applications. Microwave and Optical Technology Letters, 2014, 56, 1809-1812.	1.4	6
13	Miniaturized reconfigurable tri-polarization metantenna based on characteristic mode analysis with high aperture efficiency. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22867.	1.2	6
14	Improving the high-frequency performance of integrated EMI filter with multiple ground layers. , 2012, , ,		5
15	Small size antenna for seven-band WWAN/LTE mobile handset. Microwave and Optical Technology Letters, 2015, 57, 1029-1033.	1.4	5
16	Mimo antenna with high frequency selectivity and controllable bandwidth for band-notched UWB applications. Microwave and Optical Technology Letters, 2016, 58, 1886-1891.	1.4	5
17	Multifunctional near field focusing transmission metasurface based on polarization sensitivity. Microwave and Optical Technology Letters, 2021, 63, 1868-1874.	1.4	5
18	New microstrip filter using single right-angled triangular patch resonator. , 2009, , ,		4

#	ARTICLE	IF	CITATIONS
19	A small single fed broadband circularly polarized slot antenna. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22122.	1.2	4
20	Microstrip Mismatching Technique for Reducing SSN in High Speed Integrated Circuit. IEEE Transactions on Components and Packaging Technologies, 2008, 31, 439-443.	1.3	3
21	Multi-mode bandstop filter using defected equilateral triangular patch resonator. , 2010, , .		3
22	A circularly polarized slot antenna with enhanced axial ratio bandwidth. , 2017, , .		2
23	Single-Band and Dual-Band Transmitarray Antenna With High Gain and Aperture Efficiency. , 2019, , .		2
24	Single-Layer Electrically Small Antenna With Reconfigurable Radiation Pattern. , 2021, , .		2
25	A single-layer dual-polarization transmission metasurface for multi-feeds and multi-focus. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	2
26	Mode-switchable orbit angular momentum waves by mechanically rotating 2 bit phase quantization transmitarray. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .	1.2	2
27	New wideband microwave bandpass filter using single triangular patch resonator with low permittivity substrate. , 2008, , .		1
28	New wideband microstrip bandpass filter using single triangular patch resonator with fractal-shaped deflection. , 2009, , .		1
29	Vein Power Plane for Printed Circuit Board Based on Constructal Theory. IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 987-995.	2.2	1
30	Reflector with designed EBG cells for ultrawideband antenna performance improvement. Microwave and Optical Technology Letters, 2013, 55, 2541-2544.	1.4	1
31	A compact printed triple-band MIMO/diversity antenna for WLAN/WiMAX applications. , 2016, , .		1
32	A High Capacity and Bending-Insensitive Minimized Chipless Tag. , 2018, , .		1
33	A Wide Band Circular Polarization Near-Field Focused Antenna Array. , 2019, , .		1
34	A Novel Open Drum Shaped Ultrasensitive Permittivity and Permeability Sensor Based on Electric-Magnetic Toroidal Dipole. , 2019, 3, 1-4.		1
35	Wideband Coding Metamaterial with Polarization Insensitivity. , 2019, , .		1
36	Reducing SSN by Mismatching Technique. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
37	Microstrip multi-mode bandpass filter using right-angled triangular resonator. , 2008, , .		0
38	Wideband microstrip bandpass filter using single patch resonator. , 2008, , .		0
39	A novel power plane structure for EMC design for modern system in package. , 2008, , .		0
40	New Microstrip Low Pass Filter with Transmission Zero and Wide Stopband. , 2008, , .		0
41	Band tunable microstrip bandpass filter using defected single patch resonator. , 2008, , .		0
42	Design of power supply noise and radiation free power&#x2014;Ground plane for modern system in package. , 2008, , .		0
43	Miniature Microstrip Isosceles Triangular Resonator Filter. , 2008, , .		0
44	A novel fractal PCB power plane for power integrity in high speed mixed signal system. , 2009, , .		0
45	A novel on-chip fractal power tree network based on leaf vein grids. , 2009, , .		0
46	The constructal optimization for tree-shaped structures on a disc power plane. , 2011, , .		0
47	A novel hierarchical radial tree based on constructal theory for PCB power plane. , 2011, , .		0
48	A constructal H shaped power distribution network for EBG structure power plane. , 2012, , .		0
49	Ferrite layer and high dielectric constant BaTiO <sub>3</sub> for power integrity. , 2012, , .		0
50	Small-size antenna for seven-band WWAN/LTE mobile handset. , 2015, , .		0
51	A spiral electrically small magnetic antenna with high radiation efficiency for wireless power transfer. , 2016, , .		0
52	Design of a novel eight-band handset antenna for LTE/WWAN application. , 2016, , .		0
53	A compact double-negative metamaterial for midrange wireless power transfer. , 2017, , .		0
54	A Simple Off-Center Elliptical Monopole Antenna with Broadband Circular Polarization. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
55	High-Efficiency Microwave Vortex Beam Generation for Arbitrary Polarizations and Multiple OAM Modes Based on Planar Reflectarray. , 2019, , .		0
56	Design of A Circular Polarization Near-Field Focused Antenna Array Enhanced by Director Patches. , 2019, , .		0
57	An enhanced circular polarization near-field focused antenna array by director patches. Microwave and Optical Technology Letters, 2019, 61, 217-222.	1.4	0
58	A Wideband Reflectarray Based on Polarization Rotating Unit Cells. , 2021, , .		0
59	A Differential Dual-Band Dual-Polarized Microstrip Cross Mesh Array Antenna with Large Frequency Ratio. , 2021, , .		0
60	Mimicking Electromagnetic Induced Transparency at MHz. , 2020, , .		0
61	Design of A Dual Polarization Near-Field Focused Metasurface Based on Polarization Sensitivity. , 2021, , .		0