Huiqing Zhai

List of Publications by Year
in descending order

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89 papers	1,092 citations	516710 16 h-index	434195 31 g-index
89 all docs	89 docs citations	89 times ranked	966 citing authors

#	Article	IF	Citations
1	A Novel Differentially Fed Dual-Polarized Filtering Magneto-Electric Dipole Antenna for 5G Base Station Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5373-5382.	5.1	15
2	A broadband <scp>dualâ€polarized</scp> filtering <scp>baseâ€station</scp> antenna for <scp>5G</scp> communication applications. Microwave and Optical Technology Letters, 2022, 64, 911-917.	1.4	2
3	Design of a Composite Decoupling Structure for Dual-Band Dual-Polarized Base Station Array. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1408-1412.	4.0	12
4	Compact Co-Polarized Decoupled Microstrip Patch Array Antenna Based on TM₀₂/TM₀₃ Modes Cancellation. IEEE Transactions on Antennas and Propagation, 2022, 70, 9906-9911.	5.1	9
5	High-Capacity Compact Massive MIMO Array With Hybrid Decoupling Scheme. IEEE Transactions on Antennas and Propagation, 2022, 70, 9292-9304.	5.1	8
6	A Compact Ultrawideband Frequency Selective Rasorber With Hybrid 2-D and 3-D Structure. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1872-1876.	4.0	5
7	<scp>Miniaturized</scp> frequency selective rasorber with a Xâ€band transmission band using cross band resonator. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22550.	1.2	6
8	A compact multimode broadband dualâ€polarized base station antenna for <scp>LTE</scp> and <scp>5G</scp> applications. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22598.	1.2	5
9	A simple filtering patch antenna based on stubâ€loaded resonator. Microwave and Optical Technology Letters, 2021, 63, 1920-1926.	1.4	2
10	Design of a frequency selective rasorber with fast rollâ€off and wide absorption/transmission band. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22785.	1.2	2
11	High Isolation High Front-to-back Ratio Antenna Based on Slotted SIW. , 2021, , .		2
12	A Low-profile Broadband Antenna With High Cross-polarization Ratio. , 2021, , .		0
13	A Low-Profile Wideband and Dual-Polarized Antenna With AMC Reflector. , 2021, , .		1
14	A Decoupling and Matching Network Design for Dual-Band Two-Element Antenna Arrays. , 2021, , .		1
15	A Method for Increasing the Channel Capacity of MIMO Antenna for Base Station Array. , 2021, , .		4
16	A Compact Four Port MIMO Antenna Using Connected Neutral Lines for Enhanced Isolation. , 2021, , .		1
17	Broadband Base Station Antenna with Filtering Performance. , 2021, , .		0
18	A new miniaturized frequency selective surface designed for Kuâ€band absorption and lowâ€frequency bandpass. Microwave and Optical Technology Letters, 2020, 62, 315-321.	1.4	6

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19	A Miniaturized Absorber Frequency Selective Surface With Good Angular Stability. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 24-28.	4.0	22
20	An angularâ€stable multiâ€layer reconfigurable frequency selective surface based on varactor with wide tuning range. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22049.	1.2	5
21	A polarizationâ€stable frequency selective rasorber with miniaturized elements and wideband absorbing properties. Microwave and Optical Technology Letters, 2020, 62, 1643-1650.	1.4	5
22	A compact <scp>dualâ€polarized</scp> antenna using slotted patch with broad beam width. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22430.	1.2	1
23	A Dual-Polarized Filtering Base-Station Antenna With Compact Size for 5G Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1316-1320.	4.0	43
24	A Compact Single-Layer Wideband Microstrip Antenna With Filtering Performance. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 801-805.	4.0	84
25	Dualâ€band decoupling and wideband harmonic suppression for asymmetric antenna pair by using filtering structures. Microwave and Optical Technology Letters, 2020, 62, 3581-3588.	1.4	3
26	A reconfigurable frequency selective surface with wide reconfigurable passband and angular stability property. Microwave and Optical Technology Letters, 2020, 62, 2189-2194.	1.4	5
27	A lowâ€profile dualâ€polarized antenna with crosspolarization enhancement. Microwave and Optical Technology Letters, 2020, 62, 1997-2003.	1.4	1
28	A new printed logâ€periodic dipole array (PLPDA) antenna with bandwidth broadening and gain improving. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22266.	1.2	2
29	Multifunctional active reconfigurable frequency selective surface. , 2020, , .		0
30	Design of Miniaturised Frequency Selective Rasorber with a Wide Absorptive Band. , 2020, , .		0
31	Patch Antenna Array Decoupling Based on Polarization Conversion Frequency Selective Surface. , 2020, , .		2
32	UWB-MIMO antenna decoupling based on a wideband parasitic unit structure. , 2020, , .		4
33	Decoupling of Wideband Dual-Polarized Base Station Antennas for Sub-6 GHz Applications. , 2020, , .		1
34	A Low-Profile Dual-Band and Dual-Polarized Antenna with AMC Reflector. , 2020, , .		1
35	High-gain polarization reconfigurable antenna applied to 5G communication frequency band. , 2020, , .		4
36	A Compact Microstrip Antenna With Enhanced Bandwidth and Ultra-Wideband Harmonic Suppression. IEEE Transactions on Antennas and Propagation, 2019, 67, 1969-1974.	5.1	17

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37	A miniaturized absorbed frequency selective surface based on square resistor ring with low radar cross section. Microwave and Optical Technology Letters, 2019, 61, 2527-2533.	1.4	3
38	A Dual-Polarized Frequency-Reconfigurable Low-Profile Antenna With Harmonic Suppression for 5G Application. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1228-1232.	4.0	81
39	A new miniaturized ultraâ€wideband planar equiangular spiral antenna. Microwave and Optical Technology Letters, 2019, 61, 1602-1606.	1.4	1
40	A Miniaturized Absorptive Frequency Selective Surface Applied to the RCS Reduction. , 2019, , .		1
41	A New Miniaturized Absorber Frequency Selective Surface for Low Frequency Wave Transmission and High Frequency Absorption. , 2019, , .		2
42	Higher isolation dualâ€frequency distinct coupled antennas based on integrated filtering structures. Microwave and Optical Technology Letters, 2019, 61, 261-266.	1.4	2
43	A dualâ€band circularly polarized planar monopole antenna for Wireless Local Area Network/Worldwide Interoperability for Microwave Access applications. Microwave and Optical Technology Letters, 2019, 61, 399-404.	1.4	10
44	A new wide stopband and high gain quasiâ€Yagi filtering antenna. Microwave and Optical Technology Letters, 2019, 61, 131-135.	1.4	4
45	A miniaturized substrate integrated waveguide endâ€fire antenna with improved Eâ€plane radiation pattern for X and Ku bands. Microwave and Optical Technology Letters, 2019, 61, 443-448.	1.4	0
46	A highâ€selectivity dualâ€polarization filtering antenna with metamaterial for 5G application. Microwave and Optical Technology Letters, 2019, 61, 63-67.	1.4	5
47	A low-profile antenna system with compact new structure for reducing mutual coupling. Journal of Electromagnetic Waves and Applications, 2019, 33, 71-83.	1.6	4
48	A new dualâ€band microstrip antenna array with high isolation by waveguided metamaterial structure. Microwave and Optical Technology Letters, 2019, 61, 1365-1370.	1.4	14
49	A Low-Profile Dual-Polarized High-Isolation MIMO Antenna Arrays for Wideband Base-Station Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 191-202.	5.1	97
50	A new CPWâ€fed broadband circularly polarized printed monopole antenna for UWB application. Microwave and Optical Technology Letters, 2018, 60, 364-369.	1.4	18
51	A compact low profile dualâ€polarized filtering antenna with metamaterial for wideband base station applications. Microwave and Optical Technology Letters, 2018, 60, 64-69.	1.4	3
52	A Novel Filtering Antenna with Wide Stopband. , 2018, , .		2
53	A Novel Wideband Omnidirectional Circularly Polarized Antenna. , 2018, , .		0
54	A Low-Profile Dual-Polarized MIMO Antenna Array with High Isolation. , 2018, , .		1

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55	A Transmitarray with Metamaterial for Beamforming in Ka-Band. , 2018, , .		0
56	A lowâ€profile broadband circular polarization filtering antenna. Microwave and Optical Technology Letters, 2018, 60, 3029-3033.	1.4	3
57	Design of A Filtering Monopole Antenna with Wideband Harmonic Rejection. , 2018, , .		2
58	A novel multifrequency mobile phone antenna with circularly polarized GPS application. Microwave and Optical Technology Letters, 2018, 60, 2033-2038.	1.4	2
59	A new patternâ€reconfigurable antenna with the function of 360Â° wideâ€beam scanning and main beam direction finelyâ€adjustable. Microwave and Optical Technology Letters, 2018, 60, 2076-2081.	1.4	2
60	A new filtering monopole antenna with wideband harmonic suppression. Microwave and Optical Technology Letters, 2018, 60, 2268-2272.	1.4	1
61	A novel low profile antenna array with high isolation performance. Microwave and Optical Technology Letters, 2018, 60, 2227-2231.	1.4	1
62	A stub-loaded reconfigurable broadband metamaterial absorber with wide-angle and polarization stability. Journal of Electromagnetic Waves and Applications, 2017, 31, 447-459.	1.6	19
63	A new dual-band miniaturized planar equiangular spiral antenna. Microwave and Optical Technology Letters, 2017, 59, 1378-1382.	1.4	0
64	A new filter antenna using improved stepped impedance hairpin resonator. Microwave and Optical Technology Letters, 2017, 59, 2934-2938.	1.4	10
65	A Low-Profile Dual-Band Dual-Polarized Antenna With an AMC Surface for WLAN Applications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2692-2695.	4.0	103
66	A novel dualâ€band tunable bandâ€notched antenna. Microwave and Optical Technology Letters, 2017, 59, 3014-3018.	1.4	6
67	A low-profile dual-band antenna loaded with the AMC surface. , 2017, , .		3
68	Varactor-tuned dual band filter-antenna for wireless applications. , 2016, , .		0
69	A dual-band and dual-polarized fractal antenna for WLAN applications. , 2016, , .		0
70	A high isolation dual-band MIMO antenna array for multiaccess mobile terminals. Microwave and Optical Technology Letters, 2015, 57, 672-677.	1.4	4
71	A frequency-reconfigurable triple-band antenna with lumped components for wireless applications. Microwave and Optical Technology Letters, 2015, 57, 1374-1379.	1.4	3
72	A new tunable dual-band metamaterial absorber with wide-angle TE and TM polarization stability. Journal of Electromagnetic Waves and Applications, 2015, 29, 774-785.	1.6	14

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73	Reconfigurable wideband metamaterial absorber with wide angle and polarisation stability. Electronics Letters, 2015, 51, 1624-1626.	1.0	19
74	Frequency reconfigurable bowâ€tie antenna array. Electronics Letters, 2014, 50, 1264-1266.	1.0	6
75	Frequency-Reconfigurable Quasi-Sierpinski Antenna Integrating With Dual-Band High-Impedance Surface. IEEE Transactions on Antennas and Propagation, 2014, 62, 4459-4467.	5.1	39
76	Reduction of dual-band mutual couplings between two antennas by dual-band single-negative epsilon metamaterials. Journal of Electromagnetic Waves and Applications, 2014, 28, 281-288.	1.6	2
77	Reduction of Mutual Coupling Between PIFA Antennas for Dualâ€Band WiMAX Operations. Microwave and Optical Technology Letters, 2013, 55, 2321-2324.	1.4	8
78	A compact ultrawideband antenna with two bandâ€notches. Microwave and Optical Technology Letters, 2013, 55, 583-586.	1.4	9
79	A Compact Printed Antenna for Triple-Band WLAN/WiMAX Applications. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 65-68.	4.0	117
80	A dualâ€band wideâ€angle polarizationâ€insensitive ultrathin gigahertz metamaterial absorber. Microwave and Optical Technology Letters, 2013, 55, 1606-1609.	1.4	30
81	Compact UWB Band-Notched Antenna Design Using Interdigital Capacitance Loading Loop Resonator. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 724-727.	4.0	68
82	A compact ultraâ€wideband antenna with four bandâ€notched characteristics. Microwave and Optical Technology Letters, 2012, 54, 2862-2865.	1.4	11
83	Compact UWB Antenna With Tunable Band-Notched Characteristic Based on Microstrip Open-Loop Resonator. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1584-1587.	4.0	60
84	A simple asymptotical model for analyzing wire antenna with different radius. Microwave and Optical Technology Letters, 2012, 54, 960-964.	1.4	0
85	Experimental and numerical study of highly sensitive displacement sensors based on photonic crystals at microwave band. Microwave and Optical Technology Letters, 2012, 54, 432-434.	1.4	4
86	An electromagnetic model for thin wire structure with different radius. , 2011, , .		0
87	Sierpinski Space-Filling Curves and Their Application in High-Speed Circuits for Ultrawideband SSN Suppression. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 568-571.	4.0	17
88	Continuous frequency and isolation reconfigurable MIMO PIFA antennas using liquid materials. Microwave and Optical Technology Letters, 0, , .	1.4	0
89	A simple and effective broadband decoupling structure for UWB-MIMO antenna. International Journal of Microwave and Wireless Technologies, 0, , 1-6.	1.9	0