

Rui Xu

List of Publications by Year in descending order

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papers

1,175
citations

393982

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docs citations

42
times ranked

1016
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact-Size Ultra-Wideband Circularly Polarized Antenna With Stable Gain and Radiation Pattern. IEEE Transactions on Antennas and Propagation, 2022, 70, 943-952.	3.1	17
2	Design of a Broadband Antenna Array With Compact Surface-Wave Antenna Elements. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 337-340.	2.4	0
3	Wideband Back-Cover Antenna Design Using Dual Characteristic Modes With High Isolation for 5G MIMO Smartphone. IEEE Transactions on Antennas and Propagation, 2022, 70, 5254-5265.	3.1	26
4	Dual-Band Circularly Polarized Antenna With Two Pairs of Crossed-Dipoles for RFID Reader. IEEE Transactions on Antennas and Propagation, 2021, 69, 8194-8203.	3.1	19
5	A new periodic fractal parasitic structure to design the circularly polarized microstrip antenna for the satellite navigation system. IET Microwaves, Antennas and Propagation, 2021, 15, 1891-1898.	0.7	4
6	High-Aperture-Efficiency and Short-Longitudinal Length 2×2 Square Horn Antenna Array. , 2021, , .		1
7	A Meander Line UHF RFID Reader Antenna with Uniform Near-field Distribution. , 2021, , .		0
8	3D-Printed 140 GHz Beam-Scanning Antenna Using Partially Reflecting Surface. , 2020, , .		1
9	A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. IEEE Transactions on Vehicular Technology, 2020, 69, 11857-11867.	3.9	21
10	A D-Band 3D-Printed Antenna. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 433-442.	2.0	36
11	Analysis and Design of Ultrawideband Circularly Polarized Antenna and Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 7842-7853.	3.1	32
12	AMC-Loaded Low-Profile Circularly Polarized Reconfigurable Antenna Array. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1276-1280.	2.4	23
13	140 GHz Additive Manufacturing Low-Cost and High-Gain Fabry-Perot Resonator Antenna. , 2020, , .		7
14	A Review of Broadband Low-Cost and High-Gain Low-Terahertz Antennas for Wireless Communications Applications. IEEE Access, 2020, 8, 57615-57629.	2.6	47
15	UHF RFID Reader Antenna with Four Sub-Arrays for Near-Field and Far-Field Operations. , 2020, , .		1
16	A Reconfigurable Printed Antenna With Frequency and Polarization Diversity Based on Bow-Tie Dipole Structure. IEEE Transactions on Antennas and Propagation, 2019, 67, 7628-7632.	3.1	13
17	Dual-Band Ten-Element MIMO Array Based on Dual-Mode IFAs for 5G Terminal Applications. IEEE Access, 2019, 7, 178476-178485.	2.6	48
18	Design of spiral slotâ€¢based dualâ€¢wideband dualâ€¢sense CP antenna. IET Microwaves, Antennas and Propagation, 2019, 13, 76-81.	0.7	13

#	ARTICLE	IF	CITATIONS
19	Pattern Reconfigurable Microstrip Antenna With Multidirectional Beam for Wireless Communication. IEEE Transactions on Antennas and Propagation, 2019, 67, 1910-1915.	3.1	31
20	Design of very simple frequency and polarisation reconfigurable antenna with finite ground structure. Electronics Letters, 2018, 54, 187-188.	0.5	19
21	A Design of Broadband Circularly Polarized C-Shaped Slot Antenna With Sword-Shaped Radiator and Its Array for L/S-Band Applications. IEEE Access, 2018, 6, 5891-5896.	2.6	29
22	Study on Wide-Angle Scanning Linear Phased Array Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 450-455.	3.1	77
23	Analysis of the Position of Antenna on a Scaled Vehicle by Using Characteristic Modes Theory. , 2018, , .		0
24	A Very Simple Dual-band Dual-sense Circularly Polarized Square Slot Antenna. , 2018, , .		0
25	Dual-band Single/Dual-beam Slot Patch Antenna. , 2018, , .		0
26	High Gain and Dual Circularly Polarized SIW Slotted Antenna. , 2018, , .		0
27	A Design of Dual-Wideband Planar Printed Antenna for Circular Polarization Diversity by Combining Slot and Monopole Modes. IEEE Transactions on Antennas and Propagation, 2018, 66, 4326-4331.	3.1	18
28	Frequency-selective polarisation antenna based on simple rotational symmetric printed bow-tie dipole structure. IET Microwaves, Antennas and Propagation, 2018, 12, 1107-1111.	0.7	3
29	A Simple Design of Compact Dual-Wideband Square Slot Antenna With Dual-Sense Circularly Polarized Radiation for WLAN/Wi-Fi Communications. IEEE Transactions on Antennas and Propagation, 2018, 66, 4884-4889.	3.1	45
30	High Sensitivity Refractive Index Sensor Based on Frequency Selective Surfaces Absorber. , 2018, 2, 1-4.		7
31	A Broadband Slot Antenna With Unidirectional Circularly Polarized Radiation Patterns. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 317-320.	2.4	22
32	A Design of Triple-Wideband Triple-Sense Circularly Polarized Square Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, , 1-1.	2.4	36
33	A New Technique to Design Circularly Polarized Microstrip Antenna by Fractal Defected Ground Structure. IEEE Transactions on Antennas and Propagation, 2017, 65, 3721-3725.	3.1	111
34	A Design of U-Shaped Slot Antenna With Broadband Dual Circularly Polarized Radiation. IEEE Transactions on Antennas and Propagation, 2017, 65, 3217-3220.	3.1	77
35	Microstrip antenna array mutual coupling suppression using coupled polarisation transformer. IET Microwaves, Antennas and Propagation, 2017, 11, 1836-1840.	0.7	19
36	A novel dual-band dual-sense circularly polarized antenna based on simple printed dipole structure. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
37	Study on Horizontally Polarized Omnidirectional Microstrip Antenna. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	0.7	1
38	Mutual coupling reduction of microstrip antenna array by periodic defected ground structures. , 2016, , .		15
39	Mutual Coupling Reduction by Novel Fractal Defected Ground Structure Bandgap Filter. IEEE Transactions on Antennas and Propagation, 2016, 64, 4328-4335.	3.1	191
40	Sâ€shaped periodic defected ground structures to reduce microstrip antenna array mutual coupling. Electronics Letters, 2016, 52, 1288-1290.	0.5	105
41	A Wideband High-Gain Cavity-Backed Low-Profile Dipole Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 5465-5469.	3.1	41
42	Broadband rotational symmetry circularly polarised antenna. Electronics Letters, 2016, 52, 414-416.	0.5	16