

Rui Xu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mutual Coupling Reduction by Novel Fractal Defected Ground Structure Bandgap Filter. IEEE Transactions on Antennas and Propagation, 2016, 64, 4328-4335.	5.1	191
2	A New Technique to Design Circularly Polarized Microstrip Antenna by Fractal Defected Ground Structure. IEEE Transactions on Antennas and Propagation, 2017, 65, 3721-3725.	5.1	111
3	S-shaped periodic defected ground structures to reduce microstrip antenna array mutual coupling. Electronics Letters, 2016, 52, 1288-1290.	1.0	105
4	A Design of U-Shaped Slot Antenna With Broadband Dual Circularly Polarized Radiation. IEEE Transactions on Antennas and Propagation, 2017, 65, 3217-3220.	5.1	77
5	Study on Wide-Angle Scanning Linear Phased Array Antenna. IEEE Transactions on Antennas and Propagation, 2018, 66, 450-455.	5.1	77
6	Dual-Band Ten-Element MIMO Array Based on Dual-Mode IFAs for 5G Terminal Applications. IEEE Access, 2019, 7, 178476-178485.	4.2	48
7	A Review of Broadband Low-Cost and High-Gain Low-Terahertz Antennas for Wireless Communications Applications. IEEE Access, 2020, 8, 57615-57629.	4.2	47
8	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.	5.1	45
9	A Wideband High-Gain Cavity-Backed Low-Profile Dipole Antenna. IEEE Transactions on Antennas and Propagation, 2016, 64, 5465-5469.	5.1	41
10	A Design of Triple-Wideband Triple-Sense Circularly Polarized Square Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, , 1-1.	4.0	36
11	A D-Band 3D-Printed Antenna. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 433-442.	3.1	36
12	Analysis and Design of Ultrawideband Circularly Polarized Antenna and Array. IEEE Transactions on Antennas and Propagation, 2020, 68, 7842-7853.	5.1	32
13	Pattern Reconfigurable Microstrip Antenna With Multidirectional Beam for Wireless Communication. IEEE Transactions on Antennas and Propagation, 2019, 67, 1910-1915.	5.1	31
14	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.	4.2	29
15	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.	5.1	26
16	AMC-Loaded Low-Profile Circularly Polarized Reconfigurable Antenna Array. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1276-1280.	4.0	23
17	A Broadband Slot Antenna With Unidirectional Circularly Polarized Radiation Patterns. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 317-320.	4.0	22
18	A Reconfigurable Dual-Band Dual-Circularly Polarized Antenna for Vehicle Global Navigation Satellite System Application. IEEE Transactions on Vehicular Technology, 2020, 69, 11857-11867.	6.3	21

#	ARTICLE	IF	CITATIONS
19	Microstrip antenna array mutual coupling suppression using coupled polarisation transformer. IET Microwaves, Antennas and Propagation, 2017, 11, 1836-1840.	1.4	19
20	Design of very simple frequency and polarisation reconfigurable antenna with finite ground structure. Electronics Letters, 2018, 54, 187-188.	1.0	19
21	Dual-Band Circularly Polarized Antenna With Two Pairs of Crossed-Dipoles for RFID Reader. IEEE Transactions on Antennas and Propagation, 2021, 69, 8194-8203.	5.1	19
22	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.	5.1	18
23	Compact-Size Ultra-Wideband Circularly Polarized Antenna With Stable Gain and Radiation Pattern. IEEE Transactions on Antennas and Propagation, 2022, 70, 943-952.	5.1	17
24	Broadband rotational symmetry circularly polarised antenna. Electronics Letters, 2016, 52, 414-416.	1.0	16
25	Mutual coupling reduction of microstrip antenna array by periodic defected ground structures. , 2016, , .		15
26	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.	5.1	13
27	Design of spiral slot-based dual-band dual-sense CP antenna. IET Microwaves, Antennas and Propagation, 2019, 13, 76-81.	1.4	13
28	High Sensitivity Refractive Index Sensor Based on Frequency Selective Surfaces Absorber. , 2018, 2, 1-4.		7
29	140 GHz Additive Manufacturing Low-Cost and High-Gain Fabry-Perot Resonator Antenna. , 2020, , .		7
30	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.	1.4	4
31	A novel dual-band dual-sense circularly polarized antenna based on simple printed dipole structure. , 2017, , .		3
32	Frequency-selective polarisation antenna based on simple rotational symmetric printed bow-tie dipole structure. IET Microwaves, Antennas and Propagation, 2018, 12, 1107-1111.	1.4	3
33	Study on Horizontally Polarized Omnidirectional Microstrip Antenna. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	1.2	1
34	3D-Printed 140 GHz Beam-Scanning Antenna Using Partially Reflecting Surface. , 2020, , .		1
35	UHF RFID Reader Antenna with Four Sub-Arrays for Near-Field and Far-Field Operations. , 2020, , .		1
36	High-Aperture-Efficiency and Short-Longitudinal Length 2×2 Square Horn Antenna Array. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	Analysis of the Position of Antenna on a Scaled Vehicle by Using Characteristic Modes Theory. , 2018, , .		0
38	A Very Simple Dual-band Dual-sense Circularly Polarized Square Slot Antenna. , 2018, , .		0
39	Dual-band Single/Dual-beam Slot Patch Antenna. , 2018, , .		0
40	High Gain and Dual Circularly Polarized SIW Slotted Antenna. , 2018, , .		0
41	Design of a Broadband Antenna Array With Compact Surface-Wave Antenna Elements. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 337-340.	4.0	0
42	A Meander Line UHF RFID Reader Antenna with Uniform Near-field Distribution. , 2021, , .		0