Jian Yi Zhou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1626457/publications.pdf

Version: 2024-02-01

50 papers	1,995 citations	687220 13 h-index	395590 33 g-index
50 all docs	50 docs citations	50 times ranked	1672 citing authors

#	Article	IF	Citations
1	Multibeam Antenna Technologies for 5G Wireless Communications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6231-6249.	3.1	753
2	The Role of Millimeter-Wave Technologies in 5G/6G Wireless Communications. IEEE Journal of Microwaves, 2021, 1, 101-122.	4.9	312
3	Digital Beamforming-Based Massive MIMO Transceiver for 5G Millimeter-Wave Communications. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3403-3418.	2.9	295
4	Compact Tapered Slot Antenna Array for 5G Millimeter-Wave Massive MIMO Systems. IEEE Transactions on Antennas and Propagation, 2017, 65, 6721-6727.	3.1	187
5	An Aperture-Sharing Array for (3.5, 28) GHz Terminals With Steerable Beam in Millimeter-Wave Band. IEEE Transactions on Antennas and Propagation, 2020, 68, 4114-4119.	3.1	72
6	SIW Cavity-Fed Filtennas for 5G Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2021, 69, 5269-5277.	3.1	51
7	Local Oscillator Phase Shifting and Harmonic Mixing-Based High-Precision Phased Array for 5G Millimeter-Wave Communications. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3162-3173.	2.9	36
8	A High-Precision Hybrid Analog and Digital Beamforming Transceiver System for 5G Millimeter-Wave Communication. IEEE Access, 2019, 7, 83012-83023.	2.6	35
9	A Modified Canonical Piecewise-Linear Function-Based Behavioral Model for Wideband Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2016, 26, 195-197.	2.0	32
10	Lowâ€phase noise oscillator utilising highâ€‹Qactive resonator based on substrate integrated waveguide technique. IET Microwaves, Antennas and Propagation, 2014, 8, 137-144.	0.7	26
11	Developing Wideband Dual-Circularly Polarized Antenna With Simple Feeds Using Magnetoelectric Dipoles. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1037-1041.	2.4	25
12	Design and Implementation of a Full-Digital Beamforming Array With Nonreciprocal Tx/Rx Beam Patterns. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1978-1982.	2.4	19
13	A Nonlinear Filter-Based Volterra Model With Low Complexity for Wideband Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2014, 24, 203-205.	2.0	14
14	A Band-Limited Canonical Piecewise-Linear Function-Based Behavioral Model for Wideband Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2017, 27, 1022-1024.	2.0	13
15	High-Gain Dual-Band Resonant Cavity Antenna for 5G Millimeter-Wave Communications. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 1878-1882.	2.4	13
16	Diverse SRRs Loaded Millimeter-Wav SIW Antipodal Linearly Tapered Slot Filtenna With Improved Stopband. IEEE Transactions on Antennas and Propagation, 2021, 69, 8902-8907.	3.1	13
17	An Overview of China Millimeter-Wave Multiple Gigabit Wireless Local Area Network System. IEICE Transactions on Communications, 2018, E101.B, 262-276.	0.4	8
18	A Low-Loss Broadband Planar Transition From Ground Coplanar Waveguide to Substrate-Integrated Coaxial Line. IEEE Microwave and Wireless Components Letters, 2021, 31, 1191-1194.	2.0	8

#	Article	IF	Citations
19	Design and implementation of planar ultraâ€wideband antennas characterized by multiple notched bands. Microwave and Optical Technology Letters, 2009, 51, 520-526.	0.9	7
20	A 2-D-Canonical Piecewise Linear Function-Based Behavioral Model for Concurrent Dual-Band Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2018, 28, 1050-1052.	2.0	7
21	Robust Fast Electromagnetic Optimization of SIW Filters Using Model-Based Deviation Estimation and Jacobian Matrix Update. IEEE Access, 2020, 8, 2708-2722.	2.6	7
22	Enhanced-Stopband Dual-Polarized Filtenna Without Extra Circuit for Tile Array Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 7193-7198.	3.1	6
23	A broadband inverted Doherty power amplifier for IEEE 802.11b/g WLAN applications. Microwave and Optical Technology Letters, 2011, 53, 636-639.	0.9	5
24	Lowâ€profile broadband circularly polarised patch antenna with gain enhancement. IET Microwaves, Antennas and Propagation, 2017, 11, 1817-1822.	0.7	5
25	Lowâ€profile circularly polarised patch antenna with high gain and conical beam. IET Microwaves, Antennas and Propagation, 2018, 12, 1191-1195.	0.7	4
26	A 2-D Simplified Memory Polynomial Model for Concurrent Dual-Band Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2020, 30, 761-763.	2.0	4
27	A Structure Reuse Method for Realizing Large Frequency Ratio Dual-Band Multi-Channel Integrated Filters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2101-2105.	2.2	4
28	Combined memory polynomial model for Doherty power amplifiers with memory effects. , 2012, , .		3
29	Design of a high performance RF transceiver for TDD-LTE system. , 2012, , .		3
30	Design of a FPGA-based baseband for MIMO TD-LTE BTS. , 2013, , .		3
31	Coupling topology of substrate integrated waveguide filter using unequal length slots with nonâ€resonating nodes. Electronics Letters, 2017, 53, 1368-1370.	0.5	3
32	The Threshold Optimization of the Canonical Piecewise Linear Function-Based Model With a Modified Quadratic SPSA. IEEE Microwave and Wireless Components Letters, 2021, 31, 612-615.	2.0	3
33	An Efficient OTA Calibration and Pattern Estimation Method for 5G mmWave Large-Scale Arrays. IEEE Transactions on Antennas and Propagation, 2022, 70, 8440-8451.	3.1	3
34	Development of a single board microwave sub-system based on substrate integrated waveguide (SIW) technology. , 2012, , .		2
35	Research advances in microwave and millimeter wave circuits and systems in the SKLMMW. , 2012, , .		2
36	Ka-band quadruple SIW filter with controllable transmission zeros. , 2016, , .		2

#	Article	IF	Citations
37	A 28GHz Millimeter-Wave Antenna Array with SIW Feeding Network. , 2019, , .		2
38	The lowâ€cost polarization reconfigurable phased array based on highâ€precision full 360Â° phase shifter. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e22931.	0.8	2
39	Multidimensional Magnitude-Selective Affine-Function-Based Behavioral Model for Multiband Digital Predistortion of RF Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3577-3590.	2.9	2
40	High-efficiency inverse class-F power amplifier using 3/4 spiral symmetric defected ground structure. International Journal of Microwave and Wireless Technologies, 2011, 3, 621-625.	1.5	1
41	Investigations on wideband MIMO indoor channel characteristics at 2.35GHz with multiple polarized antennas. , 2012, , .		1
42	A 3.5/28 GHz Beam-Steerable Shared-Aperture Antenna Based on Shorting-Vias-Loaded Patch. , 2020, , .		1
43	Millimeter Wave RF Front-end In 5G MIMO Channel Emulator. , 2021, , .		1
44	Implementation of 6 GHz up and down converter for RoF (Radio over Fiber) transceiver system. , 2012, , .		0
45	Design of high performance RF transceiver for next generation wireless communications. , 2012, , .		0
46	A 6.15GHz balanced linear power amplifier with digital predistortion linearization. , 2012, , .		0
47	A Band-Limited Magnitude-Selective Affine Function-Based Model for Digital Predistortion of 5G Broadband Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2022, 32, 80-83.	2.0	0
48	A <scp>triâ€band sharedâ€aperture</scp> antenna combining two <scp>subâ€6G</scp> and one <scp>millimeterâ€wave</scp> bands with shared feeding port for <scp>5G</scp> / <scp>B5G</scp> applications. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .	0.8	0
49	Semi-deterministic Channel Model Based on the FDTD Method. , 2021, , .		0
50	A Compact Broadband Circular Polarization Slot Antenna with Coplanar Waveguide Feeding. , 2021, , .		0