

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	A Band-Limited Magnitude-Selective Affine Function-Based Model for Digital Predistortion of 5G Broadband Power Amplifiers. <i>IEEE Microwave and Wireless Components Letters</i> , 2022, 32, 80-83.	2.0	0
2	The low-cost polarization reconfigurable phased array based on high-precision full 360° phase shifter. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2022, 32, e22931.	0.8	2
3	A Structure Reuse Method for Realizing Large Frequency Ratio Dual-Band Multi-Channel Integrated Filters. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022, 69, 2101-2105.	2.2	4
4	Enhanced-Stopband Dual-Polarized Filtenna Without Extra Circuit for Tile Array Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 7193-7198.	3.1	6
5	An Efficient OTA Calibration and Pattern Estimation Method for 5G mmWave Large-Scale Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , 2022, 70, 8440-8451.	3.1	3
6	Multidimensional Magnitude-Selective Affine-Function-Based Behavioral Model for Multiband Digital Predistortion of RF Power Amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022, 70, 3577-3590.	2.9	2
7	High-Gain Dual-Band Resonant Cavity Antenna for 5G Millimeter-Wave Communications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1878-1882.	2.4	13
8	The Role of Millimeter-Wave Technologies in 5G/6G Wireless Communications. <i>IEEE Journal of Microwaves</i> , 2021, 1, 101-122.	4.9	312
9	Diverse SRRs Loaded Millimeter-Wave SIW Antipodal Linearly Tapered Slot Filtenna With Improved Stopband. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 8902-8907.	3.1	13
10	The Threshold Optimization of the Canonical Piecewise Linear Function-Based Model With a Modified Quadratic SPSA. <i>IEEE Microwave and Wireless Components Letters</i> , 2021, 31, 612-615.	2.0	3
11	SIW Cavity-Fed Filtennas for 5G Millimeter-Wave Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 5269-5277.	3.1	51
12	A Low-Loss Broadband Planar Transition From Ground Coplanar Waveguide to Substrate-Integrated Coaxial Line. <i>IEEE Microwave and Wireless Components Letters</i> , 2021, 31, 1191-1194.	2.0	8
13	Semi-deterministic Channel Model Based on the FDTD Method. , 2021, , .		0
14	A Compact Broadband Circular Polarization Slot Antenna with Coplanar Waveguide Feeding. , 2021, , .		0
15	Millimeter Wave RF Front-end In 5G MIMO Channel Emulator. , 2021, , .		1
16	An Aperture-Sharing Array for (3.5, 28) GHz Terminals With Steerable Beam in Millimeter-Wave Band. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 4114-4119.	3.1	72
17	Developing Wideband Dual-Circularly Polarized Antenna With Simple Feeds Using Magnetolectric Dipoles. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1037-1041.	2.4	25
18	Design and Implementation of a Full-Digital Beamforming Array With Nonreciprocal Tx/Rx Beam Patterns. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1978-1982.	2.4	19

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	A 3.5/28 GHz Beam-Steerable Shared-Aperture Antenna Based on Shorting-Vias-Loaded Patch. , 2020, , .		1
22	A High-Precision Hybrid Analog and Digital Beamforming Transceiver System for 5G Millimeter-Wave Communication. IEEE Access, 2019, 7, 83012-83023.	2.6	35
23	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
24	A 28GHz Millimeter-Wave Antenna Array with SIW Feeding Network. , 2019, , .		2
25	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
26	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
27	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
28	Low-profile circularly polarised patch antenna with high gain and conical beam. IET Microwaves, Antennas and Propagation, 2018, 12, 1191-1195.	0.7	4
29	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
30	Multibeam Antenna Technologies for 5G Wireless Communications. IEEE Transactions on Antennas and Propagation, 2017, 65, 6231-6249.	3.1	753
31	Coupling topology of substrate integrated waveguide filter using unequal length slots with non-resonating nodes. Electronics Letters, 2017, 53, 1368-1370.	0.5	3
32	Low-profile broadband circularly polarised patch antenna with gain enhancement. IET Microwaves, Antennas and Propagation, 2017, 11, 1817-1822.	0.7	5
33	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
34	Ka-band quadruple SIW filter with controllable transmission zeros. , 2016, , .		2
35	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
36	Low-phase noise oscillator utilising high-Q active resonator based on substrate integrated waveguide technique. IET Microwaves, Antennas and Propagation, 2014, 8, 137-144.	0.7	26

#	ARTICLE	IF	CITATIONS
37	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
38	Design of a FPGA-based baseband for MIMO TD-LTE BTS. , 2013, , .		3
39	Combined memory polynomial model for Doherty power amplifiers with memory effects. , 2012, , .		3
40	Design of a high performance RF transceiver for TDD-LTE system. , 2012, , .		3
41	Implementation of 6 GHz up and down converter for RoF (Radio over Fiber) transceiver system. , 2012, , .		0
42	Development of a single board microwave sub-system based on substrate integrated waveguide (SIW) technology. , 2012, , .		2
43	Design of high performance RF transceiver for next generation wireless communications. , 2012, , .		0
44	Research advances in microwave and millimeter wave circuits and systems in the SKLMMW. , 2012, , .		2
45	Investigations on wideband MIMO indoor channel characteristics at 2.35GHz with multiple polarized antennas. , 2012, , .		1
46	A 6.15GHz balanced linear power amplifier with digital predistortion linearization. , 2012, , .		0
47	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
48	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
49	Design and implementation of planar ultra-wideband antennas characterized by multiple notched bands. Microwave and Optical Technology Letters, 2009, 51, 520-526.	0.9	7
50	A tri-band shared-aperture antenna combining two sub-6G and one millimeter-wave bands with shared feeding port for 5G / B5G applications. International Journal of RF and Microwave Computer-Aided Engineering, 0, , .	0.8	0