

Yunqiu Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

95
papers

714
citations

14
h-index

21
g-index

124
ext. papers

1,001
ext. citations

2.5
avg, IF

4.18
L-index

#	Paper	IF	Citations
95	A Ka-Band CMOS Phase-Invariant and Ultralow Gain Error Variable Gain Amplifier With Active Cross-Coupling Neutralization and Asymmetric Capacitor Techniques. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 70, 85-100	4.1	0
94	A 3-GHz Inverse-Coupled Current-Reuse VCO Implemented by 1:1 Transformer. <i>IEEE Microwave and Wireless Components Letters</i> , 2022 , 1-3	2.6	
93	A Ku-Band Eight-Element Phased-Array Transmitter With Built-in Self-Test Capability in 180-nm CMOS Technology. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2022 , 1-12	2.6	
92	Temperature-Dependent Threshold Voltage Extraction of FinFETs Using Noise Measurements. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2022 , 1-1	4.1	
91	A 33-41-GHz SiGe-BiCMOS Digital Step Attenuator With Minimized Unit Impedance Variation. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2021 , 29, 568-579	2.6	1
90	A SiGe Power Amplifier With Double Gain Peaks Based on the Control of Stationary Points of Impedance Transformation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 2279-2290	4.1	1
89	A 60-GHz Variable Gain Phase Shifter With 14.8-dB Gain Tuning Range and 6-Bit Phase Resolution Across 25 °C-10 °C. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 2371-2385	4.1	8
88	An Improved Large-Signal Equivalent Circuit Model for Partially Depleted Silicon-on-Insulator MOSFET. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 2972-2980	4.1	1
87	A 21-to-41-GHz High-Gain Low Noise Amplifier With Triple-Coupled Technique for Multiband Wireless Applications. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 1857-1861	3.5	6
86	A microwave amplifier behavioral model capable of cascade simulation. <i>Microwave and Optical Technology Letters</i> , 2021 , 63, 2113-2121	1.2	0
85	A Wideband CMOS Frequency Quadrupler With Transformer-Based Tail Feedback Loop. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 1153-1157	3.5	2
84	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021 , 69, 3989-4000	4.1	3
83	A 22.4-to-40.6-GHz Multi-Ratio Injection-Locked Frequency Multiplier with 57.7-dBc Harmonic Rejection 2020 ,		4
82	High-Temperature-Annealed Flexible Carbon Nanotube Network Transistors for High-Frequency Wearable Wireless Electronics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26145-26152	9.5	12
81	An Improved Surface-Potential-Based Model for MOSFETs Considering the Carrier Gaussian Distribution. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 4082-4090	4.1	1
80	A K-Band Frequency Tripler Using Transformer-Based Self-Mixing Topology With Peaking Inductor. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 1688-1696	4.1	5
79	A 37-40-GHz Low-Phase-Imbalance CMOS Attenuator With Tail-Capacitor Compensation Technique. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 3400-3409	3.9	6

78	. <i>IEEE Access</i> , 2020 , 8, 29311-29318	3.5	6
77	A Bendable Microwave GaN HEMT on CVD Parylene-C Substrate 2020 ,		2
76	A Ka-Band CMOS Variable Gain Amplifier with High Gain Resolution and Low Phase Variation 2020 ,		2
75	A 21.7-to-41.7-GHz Injection-Locked LO Generation With a Narrowband Low-Frequency Input for Multiband 5G Communications. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 68, 170-183	4.1	7
74	A Harmonic-Tuned VCO With an Intrinsic-High-Q F23 Inductor in 65-nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2020 , 30, 981-984	2.6	0
73	A 68.5~90 GHz High-Gain Power Amplifier With Capacitive Stability Enhancement Technique in 0.13 μm SiGe BiCMOS. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020 , 1-1	4.1	2
72	A 27.5-43.5 GHz 65-nm CMOS up-conversion mixer with 0.42 dBm OP1dB for 5G applications. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020 , 33, e2550	1	
71	A 10-mW 3.9-dB NF transformer-based V-band low-noise amplifier in 65-nm CMOS. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020 , 33, e2576	1	2
70	An improved open-short equivalent circuit model for CMOS transistors de-embedding. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020 , 33, e2589	1	2
69	Millimeter wave balun design and optimization based on compensation matching capacitors and active S parameter. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020 , 33, e2644	1	1
68	An improved wideband equivalent circuit model for integrated spiral inductors in CMOS technology. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020 , 33, e2640	1	2
67	A millimeter-wave scalable small signal model of RF CMOS transistor against number of fingers. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2020 , 33, e2608	1	1
66	A 2.9 GHz CMOS Phase-Locked Loop with Improved Ring Oscillator 2019 ,		1
65	2019 ,		17
64	A Quasi-Physical Large-Signal Statistical Model for 0.15 μm AlGaIn/GaN HEMTs Process 2019 ,		2
63	A 51.5 - 64.5 GHz Active Phase Shifter Using Linear Phase Control Technique With 1.4 π Phase resolution in 65-nm CMOS 2019 ,		4
62	An Injection-Current-Boosting Locking-Range Enhancement Technique for Ultra-Wideband mm-Wave Injection-Locked Frequency Triplers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2019 , 67, 3174-3186	4.1	21
61	A 6285-GHz High Linearity Upconversion Mixer With 18-GHz IF Bandwidth. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 219-221	2.6	4

60	A Scalable Model of On-Chip Inductor Including Tunable Dummy Metal Density Factor. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019 , 9, 296-305	1.7	1
59	Multimode orbital angular momentum antenna based on four-arm planar spiral. <i>Electronics Letters</i> , 2019 , 55, 875-876	1.1	4
58	An Ultralow Phase Noise Eight-Core Fundamental 62-to-67-GHz VCO in 65-nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 125-127	2.6	11
57	An Improved Small Signal Equivalent Circuit Modeling Based On 65nm CMOS Technology 2019 ,		1
56	Differential low-loss T/R switch for phase array application in 0.18- μ m CMOS technology. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 813-818	1.6	1
55	An Improved Surface Potential-Based High-Order Channel Length Modulation Model 2019 ,		3
54	A 15-27 GHz Low Conversion Loss and High Isolation Resistive Ring Mixer for Direct Conversion Receiver 2019 ,		2
53	A High Linearity Low Noise Amplifier for 5G Front-End Modules 2019 ,		1
52	Multi-bias Small Signal Circuit Model for FinFET Transistors 2019 ,		3
51	A 19.5% Efficiency 51 μ W 3-GHz High-Output Power Frequency Doubler in 65-nm CMOS. <i>IEEE Microwave and Wireless Components Letters</i> , 2019 , 29, 818-821	2.6	8
50	Analytical Gate Capacitance Models for Large-Signal Compact Model of AlGaIn/GaN HEMTs. <i>IEEE Transactions on Electron Devices</i> , 2019 , 66, 357-363	2.9	10
49	An Improved Ultrawideband Open-Short De-Embedding Method Applied up to 220 GHz. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018 , 8, 269-276	1.7	11
48	An Improved RF MOSFET Model Accounting Substrate Coupling Among Terminals. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 138-140	2.6	9
47	Analysis and Design of Ultra-Wideband mm-Wave Injection-Locked Frequency Dividers Using Transformer-Based High-Order Resonators. <i>IEEE Journal of Solid-State Circuits</i> , 2018 , 53, 2177-2189	5.5	37
46	A 62-90 GHz High Linearity and Low Noise CMOS Mixer Using Transformer-Coupling Cascode Topology. <i>IEEE Access</i> , 2018 , 6, 19338-19344	3.5	17
45	An Improved Small-Signal Equivalent Circuit Model Considering Channel Current Magnetic Effect. <i>IEEE Microwave and Wireless Components Letters</i> , 2018 , 28, 804-806	2.6	4
44	An asynchronous dual switch envelope tracking supply modulator with 86% efficiency. <i>IEICE Electronics Express</i> , 2018 , 15, 20180206-20180206	0.5	1
43	A Ku-Band 8-Element Phased-Array Transmitter with Built-in-Self-Test Capability 2018 ,		5

42	A 256-QAM 39 GHz Dual-Channel Transceiver Chipset with LTCC Package for 5G Communication in 65 nm CMOS 2018 ,		16
41	66 GHz bias-dependent equivalent circuit model for CMOS transistor based on 90 nanometers CMOS technology. <i>Microwave and Optical Technology Letters</i> , 2018 , 60, 1808-1812	1.2	1
40	A package-level wideband driver amplifier with 134% fractional bandwidth. <i>IEICE Electronics Express</i> , 2018 , 15, 20180179-20180179	0.5	1
39	An Empirical Nonlinear Capacitance Model for SOI Transistor 2018 ,		1
38	RF CMOS Transistor Equivalent Circuit Model up to 66 GHz 2018 ,		3
37	An Improved Large Signal Model for 0.1 μm AlGaIn/GaN High Electron Mobility Transistors (HEMTs) Process and Its Applications in Practical Monolithic Microwave Integrated Circuit (MMIC) Design in W band. <i>Micromachines</i> , 2018 , 9,	3.3	5
36	A 5-Gb/s 66 dB CMOS Variable-Gain Amplifier With Reconfigurable DC-Offset Cancellation for Multi-Standard Applications. <i>IEEE Access</i> , 2018 , 6, 54139-54146	3.5	4
35	Flexible Graphene Field-Effect Transistors With Extrinsic f_{max} of 28 GHz. <i>IEEE Electron Device Letters</i> , 2018 , 39, 1944-1947	4.4	6
34	A Ku-band Phased Array in Package Integrating Four 180 nm CMOS Transceivers with On-chip Antennas 2018 ,		4
33	A 39 GHz MIMO Transceiver Based on Dynamic Multi-Beam Architecture for 5G Communication with 150 Meter Coverage 2018 ,		10
32	Triple band-notched UWB monopole antenna on ultra-thin liquid crystal polymer based on ESCRR. <i>Electronics Letters</i> , 2017 , 53, 57-58	1.1	26
31	Temperature-Dependent Access Resistances in Large-Signal Modeling of Millimeter-Wave AlGaIn/GaN HEMTs. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2271-2278	4.1	25
30	Analysis and Design of Inductorless Wideband Low-Noise Amplifier With Noise Cancellation Technique. <i>IEEE Access</i> , 2017 , 5, 9389-9397	3.5	24
29	A 220-GHz Compact Equivalent Circuit Model of CMOS Transistors. <i>IEEE Microwave and Wireless Components Letters</i> , 2017 , 27, 651-653	2.6	9
28	An On-Chip Frequency-Reconfigurable Antenna For Q-Band Broadband Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2232-2235	3.8	14
27	A Scalable Large-Signal Multiharmonic Model of AlGaIn/GaN HEMTs and Its Application in C-Band High Power Amplifier MMIC. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017 , 65, 2836-2846 ^{4.1}		48
26	A Hybrid Integrated High-Gain Antenna With an On-Chip Radiator Backed by Off-Chip Ground for System-on-Chip Applications. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017 , 7, 114-122	1.7	10
25	A Wideband Model for On-Chip Interconnects With Different Shielding Structures. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017 , 7, 1702-1712	1.7	7

24	. <i>IEEE Journal of Solid-State Circuits</i> , 2017 , 52, 2892-2904	5.5	56
23	A Compact Ka-Band Active Integrated Antenna With a GaAs Amplifier in a Ceramic Package. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2416-2419	3.8	11
22	A 24 GHz CMOS mixer using symmetrical design methodology with I/Q imbalance calibration 2017 ,		2
21	A 27.5-35 GHz high linearity up-conversion CMOS mixer for 5G communication 2017 ,		4
20	2017 ,		4
19	A 27.9-35-GHz transformer-based injection-locked frequency divider with 62.9% locking range 2017 ,		3
18	CMOS 90 nm multi-bias transistor model Up to 66 GHz 2017 ,		4
17	A Ku band 4-Element phased array transceiver in 180 nm CMOS 2017 ,		13
16	A CMOS K-Band 6-bit Attenuator With Low Phase Imbalance for Phased Array Applications. <i>IEEE Access</i> , 2017 , 5, 19657-19661	3.5	17
15	Characterization of CVD graphene permittivity and conductivity in micro-/millimeter wave frequency range. <i>AIP Advances</i> , 2016 , 6, 095014	1.5	8
14	A Large-Signal Statistical Model and Yield Estimation of GaN HEMTs Based on Response Surface Methodology. <i>IEEE Microwave and Wireless Components Letters</i> , 2016 , 26, 690-692	2.6	8
13	Complete model for CMOS transistors up to 66GHz 2016 ,		1
12	A new multipassband filter with multiple transmission zeros based on quarter-wavelength resonators in wireless communication systems. <i>Microwave and Optical Technology Letters</i> , 2015 , 57, 1105-1107	1.2	
11	X-band flexible bandpass filter based on ultra-thin liquid crystal polymer substrate. <i>Electronics Letters</i> , 2015 , 51, 345-347	1.1	10
10	A Broadband and Equivalent-Circuit Model for Millimeter-Wave On-Chip M:N Six-Port Transformers and Baluns. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2015 , 63, 3109-3121	4.1	22
9	An Equivalent Circuit Model With Current Return Path Effects for ON-Chip Interconnect up to 80 GHz. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2015 , 5, 1320-1330	1.7	5
8	Flexible microwave filters on ultra thin Liquid Crystal Polymer substrate 2015 ,		4
7	Analysis and Equivalent-Circuit Model for CMOS On-Chip Multiple Coupled Inductors in the Millimeter-Wave Region. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 3957-3964	2.9	29

6	Compact multi-band transversal bandpass filters with source-load coupling. <i>Journal of Electromagnetic Waves and Applications</i> , 2014 , 28, 184-193	1.3	6
5	A novel dual-band bandpass filter using CRLH triangle mushroom structure and DGS. <i>Microwave and Optical Technology Letters</i> , 2013 , 55, 2756-2759	1.2	4
4	A novel tri-band band-pass filter using combined simplified CRLH and right-handed SIRs. <i>Journal of Electromagnetic Waves and Applications</i> , 2013 , 27, 999-1007	1.3	4
3	Microwave transmission properties of chemical vapor deposition graphene. <i>Applied Physics Letters</i> , 2012 , 101, 053110	3.4	16
2	An improved small-signal equivalent circuit model for 4H-SiC power mesfets. <i>Microwave and Optical Technology Letters</i> , 2008 , 50, 1455-1458	1.2	5
1	Support Vector Regression for Measuring Electromagnetic Parameters of Magnetic Thin-Film Materials. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 4071-4075	2	6