

Jingjing Xia

List of Publications by Year in descending order

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22
papers

240
citations

1040056

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h-index

1058476

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g-index

22
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docs citations

22
times ranked

278
citing authors

#	ARTICLE	IF	CITATIONS
1	3â€“5 GHz UWB Impulse Radio Transmitter and Receiver MMIC Optimized for Long Range Precision Wireless Sensor Networks. IEEE Transactions on Microwave Theory and Techniques, 2010, , .	4.6	32
2	60-GHz Power Amplifier in 45-nm SOI-CMOS Using Stacked Transformer-Based Parallel Power Combiner. IEEE Microwave and Wireless Components Letters, 2018, 28, 711-713.	3.2	25
3	Digitally Assisted 28 GHz Active Phase Shifter With 0.1 dB/0.5Â° RMS Magnitude/Phase Errors and Enhanced Linearity. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 914-918.	3.0	22
4	Digitally Assisted RF-Analog Self Interference Cancellation for Wideband Full-Duplex Radios. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 336-340.	3.0	21
5	Ultra low-power UWB-RFID system for precise location-aware applications. , 2012, , .		20
6	A 28-GHz Beamforming Doherty Power Amplifier With Enhanced AM-PM Characteristic. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3017-3027.	4.6	19
7	Wideband Compensation of RF Vector Multiplier for RF Predistortion Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 1084-1088.	3.0	13
8	Novel Parallel-Processing-Based Hardware Implementation of Baseband Digital Predistorters for Linearizing Wideband 5G Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4066-4076.	4.6	13
9	Uniformly Distributed Near-Field Probing Array for Enhancing the Performance of 5G Millimeter-Wave Beamforming Transmitters. IEEE Microwave and Wireless Components Letters, 2021, 31, 823-826.	3.2	11
10	A Novel Broadband Linear-in-Magnitude RF Envelope Detector With Enhanced Detection Speed and Accuracy. IEEE Microwave and Wireless Components Letters, 2015, 25, 325-327.	3.2	10
11	A wideband millimeter-wave differential stacked-FET power amplifier with 17.3 dBm output power and 25% PAE in 45nm SOI CMOS. , 2017, , .		10
12	Envelope Memory Polynomial Reformulation for Hardware Optimization of Analog-RF Predistortion. IEEE Microwave and Wireless Components Letters, 2015, 25, 415-417.	3.2	8
13	IR-UWB-based chipless RFID system. Annales Des Telecommunications/Annals of Telecommunications, 2013, 68, 375-383.	2.5	6
14	Digitally Assisted Analog/RF Predistorter With a Small-Signal-Assisted Parameter Identification Algorithm. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4297-4305.	4.6	6
15	A 3-5 GHz impulse radio UWB transceiver IC optimized for precision localization at longer ranges. , 2010, , .		5
16	A Hybrid Amplitude/Time Encoding Scheme for Enhancing Coding Efficiency and Dynamic Range in Digitally Modulated Power Amplifiers. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2013, 3, 498-507.	3.6	5
17	Parallel-Processing-Based Digital Predistortion Architecture and FPGA Implementation for Wide-band 5G Transmitters. , 2019, , .		5
18	Cascoded HBT pair: A new method of generating subnanosecond highâ€“voltage impulses. Microwave and Optical Technology Letters, 2010, 52, 1683-1685.	1.4	4

#	ARTICLE	IF	CITATIONS
19	A Novel 3â€“5 GHz Active Matched Filter for Impulse Radio Ultra-Wideband. IEEE Microwave and Wireless Components Letters, 2009, 19, 458-460.	3.2	3
20	Dual-band linear filter assisted envelope memory polynomial for linearizing multi-band power amplifiers. , 2016, , .		2
21	Synthesis and design of novel active MMIC matched filters for ultra-wideband impulse radio. , 2011, , .		0
22	SYNTHESIS, DESIGN AND IMPLEMENTATION OF ULTRA-WIDEBAND IMPULSE RADIO ACTIVE MMIC MATCHED FILTERS. Progress in Electromagnetics Research C, 2012, 28, 239-255.	0.9	0