

Filipe M Barradas

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Linearity and Efficiency in 5G Transmitters: New Techniques for Analyzing Efficiency, Linearity, and Linearization in a 5G Active Antenna Transmitter Context. IEEE Microwave Magazine, 2019, 20, 35-49.	0.7	112
2	Power, Linearity, and Efficiency Prediction for MIMO Arrays With Antenna Coupling. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 5284-5297.	2.9	46
3	Compensation of Long-Term Memory Effects on GaN HEMT-Based Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3379-3388.	2.9	44
4	Hybrid Analog/Digital Linearization of GaN HEMT-Based Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 288-294.	2.9	28
5	Theoretical Analysis of Nonlinear Amplification Effects in Massive MIMO Systems. IEEE Access, 2019, 7, 172277-172289.	2.6	26
6	Agile Single- and Dual-Band All-Digital Transmitter Based on a Precompensated Tunable Delta-Sigma Modulator. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4720-4730.	2.9	18
7	Polynomials and LUTs in PA Behavioral Modeling: A Fair Theoretical Comparison. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3274-3285.	2.9	15
8	Switch-Based Variable Length Stubs Network for PA Load Sensitivity Reduction. IEEE Access, 2019, 7, 152576-152584.	2.6	14
9	Dynamic Supply Voltage Control for PA Output Power Correction Under Variable Loading Scenarios. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 745-755.	2.9	12
10	New Transistor Behavioral Model Formulation Suitable for Doherty PA Design. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2138-2147.	2.9	12
11	Quasi-Load Insensitive Doherty PA Using Supply Voltage and Input Excitation Adaptation. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 779-789.	2.9	11
12	Characterization, Modeling, and Compensation of the Dynamic Self-Biasing Behavior of GaN HEMT-Based Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 529-540.	2.9	10
13	The Impact of Long-Term Memory Effects on the Linearizability of GaN HEMT-Based Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1377-1390.	2.9	10
14	Accurate Linearization with Low-Complexity Models Using Cascaded Digital Predistortion Systems. IEEE Microwave Magazine, 2015, 16, 94-103.	0.7	8
15	Current Mode Outphasing Power Amplifier. , 2019, , .		8
16	A Review of Memory Effects in AlGaIn/GaN HEMT Based RF PAs. , 2021, , .		8
17	Digital predistortion of RF PAs for MIMO transmitters based on the equivalent load. , 2017, , .		7
18	A Multiple-Time-Scale Analog Circuit for the Compensation of Long-Term Memory Effects in GaN HEMT-Based Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3709-3723.	2.9	7

#	ARTICLE	IF	CITATIONS
19	Higher locality non-linear basis functions of Volterra series based models to improve extraction conditioning. , 2014, , .		5
20	Compensation of the Pulse-to-Pulse Instability of GaN HEMT-Based Power Amplifiers. , 2019, , .		5
21	A Compact Impedance Measurement Solution for Systems Operating in Load Varying Scenarios. IEEE Access, 2021, 9, 38757-38766.	2.6	4
22	Modeling PA linearity and efficiency in MIMO transmitters. , 2017, , .		3
23	Optimal Supply Voltage for PA Output Power Correction under Load Varying Scenarios. , 2020, , .		3
24	A Transient Two-Tone RF Method for the Characterization of Electron Trapping Capture and Emission Dynamics in GaN HEMTs. , 2020, , .		3
25	The two-tone model for power amplifier modeling. , 2016, , .		2
26	Using statistical information for fast static DPD of RF PAs. , 2017, , .		2
27	Magnetless RF Isolator Design Using Grounded Transistors. , 2018, , .		2
28	Using spline basis functions in Volterra series based models. , 2014, , .		1
29	Setup and calibration procedure for LPE PA characterization with synchronous input-output excitations. , 2017, , .		1
30	Load Insensitive Doherty PA Using Load Dependent Supply Voltages. , 2021, , .		1
31	DPD tuning with frequency selective distortion minimization. , 2015, , .		0
32	Compensation of Power Amplifier Long-Term Memory Behavior for Pulsed Radar Applications. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5249-5256.	2.9	0