Fadhel M Ghannouchi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/855564/publications.pdf

Version: 2024-02-01

355	6,843	53794	88630
papers	citations	45 h-index	70 g-index

356	356	356	2600
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Behavioral modeling and predistortion. IEEE Microwave Magazine, 2009, 10, 52-64.	0.8	412
2	2-D Digital Predistortion (2-D-DPD) Architecture for Concurrent Dual-Band Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2547-2553.	4.6	242
3	Adaptive Digital Predistortion of Wireless Power Amplifiers/Transmitters Using Dynamic Real-Valued Focused Time-Delay Line Neural Networks. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 95-104.	4.6	167
4	Digital Predistortion for Concurrent Dual-Band Transmitters Using 2-D Modified Memory Polynomials. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 281-290.	4.6	153
5	Design and Linearization of Concurrent Dual-Band Doherty Power Amplifier With Frequency-Dependent Power Ranges. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2537-2546.	4.6	147
6	A Broadband Doherty Power Amplifier Based on Continuous-Mode Technology. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4505-4517.	4.6	125
7	Beam-Oriented Digital Predistortion for 5G Massive MIMO Hybrid Beamforming Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 3419-3432.	4.6	120
8	Design Methodology for Dual-Band Doherty Power Amplifier With Performance Enhancement Using Dual-Band Offset Lines. IEEE Transactions on Industrial Electronics, 2012, 59, 4831-4842.	7.9	118
9	Augmented Real-Valued Time-Delay Neural Network for Compensation of Distortions and Impairments in Wireless Transmitters. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 242-254.	11.3	114
10	A Compact Envelope-Memory Polynomial for RF Transmitters Modeling With Application to Baseband and RF-Digital Predistortion. IEEE Microwave and Wireless Components Letters, 2008, 18, 359-361.	3.2	108
11	A Dual-Input Digitally Driven Doherty Amplifier Architecture for Performance Enhancement of Doherty Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1284-1293.	4.6	108
12	A Novel Architecture of Delta-Sigma Modulator Enabling All-Digital Multiband Multistandard RF Transmitters Design. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 1129-1133.	3.0	99
13	A Concurrent Dual-Band Uneven Doherty Power Amplifier with Frequency-Dependent Input Power Division. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 552-561.	5.4	92
14	Twin Nonlinear Two-Box Models for Power Amplifiers and Transmitters Exhibiting Memory Effects With Application to Digital Predistortion. IEEE Microwave and Wireless Components Letters, 2009, 19, 530-532.	3.2	91
15	Toward Location-Enabled IoT (LE-IoT): IoT Positioning Techniques, Error Sources, and Error Mitigation. IEEE Internet of Things Journal, 2021, 8, 4035-4062.	8.7	91
16	A Transformer-Less Load-Modulated (TLLM) Architecture for Efficient Wideband Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2863-2874.	4.6	85
17	A Design Methodology for Miniaturized 3-dB Branch-Line Hybrid Couplers Using Distributed Capacitors Printed in the Inner Area. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2950-2953.	4.6	83
18	Design Optimization and DPD Linearization of GaN-Based Unsymmetrical Doherty Power Amplifiers for 3G Multicarrier Applications. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 2105-2113.	4.6	75

#	Article	IF	Citations
19	Concurrent Dual-Band Class-F Load Coupling Network for Applications at 1.7 and 2.14 GHz. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 259-263.	3.0	70
20	Digital Doherty Amplifier With Enhanced Efficiency and Extended Range. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2898-2909.	4.6	70
21	Generalized Continuous Class-F Harmonic Tuned Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2016, 26, 213-215.	3.2	70
22	An Accurate Complexity-Reduced â€œPLUMEâ€•Model for Behavioral Modeling and Digital Predistortion of RF Power Amplifiers. IEEE Transactions on Industrial Electronics, 2011, 58, 1397-1405.	7.9	68
23	Integrated Design of a Class-J Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1639-1648.	4.6	68
24	High-Efficiency Input and Output Harmonically Engineered Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1002-1014.	4.6	67
25	A Design Methodology for Miniaturized Power Dividers Using Periodically Loaded Slow Wave Structure With Dual-Band Applications. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 3380-3388.	4.6	65
26	Analyzing LINC Systems. IEEE Microwave Magazine, 2010, 11, 59-71.	0.8	64
27	Generalized Theory and Design Methodology of Wideband Doherty Amplifiers Applied to the Realization of an Octave-Bandwidth Prototype. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3014-3023.	4.6	64
28	Transmitter Architecture for CA: Carrier Aggregation in LTE-Advanced Systems. IEEE Microwave Magazine, 2013, 14, 78-86.	0.8	62
29	Study and Design Optimization of Multiharmonic Transmission-Line Load Networks for Class-E and Class-F K-Band MMIC Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1390-1397.	4.6	60
30	Power Amplifier and Transmitter Architectures for Software Defined Radio Systems. IEEE Circuits and Systems Magazine, 2010, 10, 56-63.	2.3	59
31	Enhanced Analysis and Design Method of Concurrent Dual-Band Power Amplifiers With Intermodulation Impedance Tuning. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4544-4558.	4.6	58
32	Digital Predistortion of LTE-A Power Amplifiers Using Compressed-Sampling-Based Unstructured Pruning of Volterra Series. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2583-2593.	4.6	58
33	Mitigation of Bandwidth Limitation in Wireless Doherty Amplifiers With Substantial Bandwidth Enhancement Using Digital Techniques. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 2875-2885.	4.6	55
34	A High-Performance Complexity Reduced Behavioral Model and Digital Predistorter for MIMO Systems With Crosstalk. IEEE Transactions on Communications, 2016, 64, 1996-2004.	7.8	55
35	A Wideband Balanced-to-Unbalanced Coupled-Line Power Divider. IEEE Microwave and Wireless Components Letters, 2016, 26, 410-412.	3.2	55
36	Convolutional Neural Network for Behavioral Modeling and Predistortion of Wideband Power Amplifiers. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 3923-3937.	11.3	55

#	Article	IF	Citations
37	A Fully Integrated C-Band GaN MMIC Doherty Power Amplifier With High Efficiency and Compact Size for 5G Application. IEEE Access, 2019, 7, 71665-71674.	4.2	53
38	Accurate Power Efficiency Estimation of GHz Wireless Delta-Sigma Transmitters for Different Classes of Switching Mode Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2812-2819.	4.6	52
39	Linearization of Concurrent Tri-Band Transmitters Using 3-D Phase-Aligned Pruned Volterra Model. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4569-4578.	4.6	51
40	A Methodology for Implementation of High-Efficiency Broadband Power Amplifiers With Second-Harmonic Manipulation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 54-58.	3.0	50
41	Synergetic Crest Factor Reduction and Baseband Digital Predistortion for Adaptive 3G Doherty Power Amplifier Linearizer Design. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2602-2608.	4.6	49
42	Metrics and Methods for Benchmarking of RF Transmitter Behavioral Models With Application to the Development of a Hybrid Memory Polynomial Model. IEEE Transactions on Broadcasting, 2010, 56, 350-357.	3.2	49
43	Delta-sigma-based transmitters: Advantages and disadvantages. IEEE Microwave Magazine, 2013, 14, 68-78.	0.8	49
44	Three-Layered Biased Memory Polynomial for Dynamic Modeling and Predistortion of Transmitters With Memory. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 768-777.	5.4	49
45	Power Alignment of Digital Predistorters for Power Amplifiers Linearity Optimization. IEEE Transactions on Broadcasting, 2009, 55, 109-114.	3.2	48
46	Input-Harmonic-Controlled Broadband Continuous Class-F Power Amplifiers for Sub-6-GHz 5G Applications. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3120-3133.	4.6	47
47	Optimizing Losses in Distributed Multiharmonic Matching Networks Applied to the Design of an RF GaN Power Amplifier With Higher Than 80% Power-Added Efficiency. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 314-322.	4.6	46
48	Low Feedback Sampling Rate Digital Predistortion for Wideband Wireless Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3528-3539.	4.6	45
49	Broadband GaN Class-E Power Amplifier for Load Modulated Delta Sigma and 5G Transmitter Applications. IEEE Access, 2018, 6, 4709-4719.	4.2	45
50	A Digital Predistortion System With Extended Correction Bandwidth With Application to LTE-A Nonlinear Power Amplifiers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 3487-3495.	5.4	43
51	Linearization for Hybrid Beamforming Array Utilizing Embedded Over-the-Air Diversity Feedbacks. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5235-5248.	4.6	43
52	Low-Complexity PAPR Reduction Method for OFDM Systems Based on Real-Valued Neural Networks. IEEE Wireless Communications Letters, 2020, 9, 1840-1844.	5.0	42
53	Behavioral Modeling of MIMO Nonlinear Systems With Multivariable Polynomials. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2994-3003.	4.6	38
54	Attention-Based Deep Neural Network Behavioral Model for Wideband Wireless Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2020, 30, 82-85.	3.2	38

#	Article	IF	Citations
55	A New Mode-Multiplexing LINC Architecture to Boost the Efficiency of WiMAX Up-Link Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 248-253.	4.6	37
56	Systematic and Adaptive Characterization Approach for Behavior Modeling and Correction of Dynamic Nonlinear Transmitters. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 2203-2211.	4.7	36
57	Subsampling Feedback Loop Applicable to Concurrent Dual-Band Linearization Architecture. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1990-1999.	4.6	36
58	Investigation of Inputâ€“Output Waveform Engineered Continuous Inverse Class F Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3547-3561.	4.6	36
59	Channel-Selective Multi-Cell Digital Predistorter for Multi-Carrier Transmitters. IEEE Transactions on Communications, 2012, 60, 2344-2352.	7.8	34
60	Bandwidth and Power Scalable Digital Predistorter for Compensating Dynamic Distortions in RF Power Amplifiers. IEEE Transactions on Broadcasting, 2013, 59, 520-527.	3.2	34
61	Power Amplifiers' Model Assessment and Memory Effects Intensity Quantification Using Memoryless Post-Compensation Technique. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 3170-3179.	4.6	33
62	A PSO Based Memory Polynomial Predistorter With Embedded Dimension Estimation. IEEE Transactions on Broadcasting, 2013, 59, 665-673.	3.2	33
63	A Compact Ka/Q Dual-Band GaAs MMIC Doherty Power Amplifier With Simplified Offset Lines for 5G Applications. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3110-3121.	4.6	33
64	Distributed Intelligence: A Verification for Multi-Agent DRL-Based Multibeam Satellite Resource Allocation. IEEE Communications Letters, 2020, 24, 2785-2789.	4.1	33
65	Distributed Spatiotemporal Neural Network for Nonlinear Dynamic Transmitter Modeling and Adaptive Digital Predistortion. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 595-608.	4.7	32
66	Doherty Goes Digital: Digitally Enhanced Doherty Power Amplifiers. IEEE Microwave Magazine, 2016, 17, 41-51.	0.8	32
67	A Data-Based Nested LUT Model for RF Power Amplifiers Exhibiting Memory Effects. IEEE Microwave and Wireless Components Letters, 2007, 17, 712-714.	3.2	31
68	Block-Wise Estimation of and Compensation for I/Q Imbalance in Direct-Conversion Transmitters. IEEE Transactions on Signal Processing, 2009, 57, 4970-4973.	5.3	31
69	On the Modeling and Linearization of a Concurrent Dual-Band Transmitter Exhibiting Nonlinear Distortion and Hardware Impairments. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3055-3068.	5.4	31
70	Doherty PAs for 5G Massive MIMO: Energy-Efficient Integrated DPA MMICs for Sub-6-GHz and mm-Wave 5G Massive MIMO Systems. IEEE Microwave Magazine, 2020, 21, 78-93.	0.8	31
71	On the Robustness of Digital Predistortion Function Synthesis and Average Power Tracking for Highly Nonlinear Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 1382-1389.	4.6	30
72	Three-Dimensional digital predistorter for concurrent tri-band power amplifier linearization. , 2013, , .		29

#	Article	IF	Citations
73	Load-Pull Techniques with Applications to Power Amplifier Design. Springer Series in Advanced Microelectronics, 2013, , .	0.3	27
74	Efficient Pruning Technique of Memory Polynomial Models Suitable for PA Behavioral Modeling and Digital Predistortion. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2290-2299.	4.6	27
75	A Novel Weighted Memory Polynomial for Behavioral Modeling and Digital Predistortion of Nonlinear Wireless Transmitters. IEEE Transactions on Industrial Electronics, 2016, 63, 1745-1753.	7.9	27
76	Wideband Two-Section Impedance Transformer With Flat Real-to-Real Impedance Matching. IEEE Microwave and Wireless Components Letters, 2016, 26, 313-315.	3.2	25
77	An Accurate Predistorter Based on a Feedforward Hammerstein Structure. IEEE Transactions on Broadcasting, 2012, 58, 454-461.	3.2	24
78	Distortion and impairments mitigation and compensation of singleâ€•and multiâ€band wireless transmitters (invited). IET Microwaves, Antennas and Propagation, 2013, 7, 518-534.	1.4	24
79	Highly Reflective Load-Pull. IEEE Microwave Magazine, 2011, 12, 96-107.	0.8	23
80	A Quad-Band Doherty Power Amplifier Based on T-Section Coupled Lines. IEEE Microwave and Wireless Components Letters, 2016, 26, 437-439.	3.2	23
81	Dielectric Properties of Oil Sands at 2.45 GHz with TE_{1,0,11}Mode Determined by a Rectangular Cavity Resonator. Journal of Microwave Power and Electromagnetic Energy, 2011, 45, 15-23.	0.8	22
82	Analytical Design Methodology of Outphasing Amplification Systems Using a New Simplified Chireix Combiner Model. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1886-1895.	4.6	22
83	6â€“18 GHz GaAs pHEMT Broadband Power Amplifier Based on Dual-Frequency Selective Impedance Matching Technique. IEEE Access, 2019, 7, 66275-66280.	4.2	22
84	A Method to Select Optimal Deep Neural Network Model for Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2021, 31, 145-148.	3.2	22
85	Augmented Convolutional Neural Network for Behavioral Modeling and Digital Predistortion of Concurrent Multiband Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4142-4156.	4.6	22
86	Quantitative Measurements of Memory Effects in Wideband RF Power Amplifiers Driven by Modulated Signals. IEEE Microwave and Wireless Components Letters, 2007, 17, 79-81.	3.2	21
87	Design and implementation of an inverse class-F power amplifier with 79 % efficiency by using a switch-based active device model. , 2008, , .		21
88	Simplified First-Pass Design of High-Efficiency Class-F^{â”1} Power Amplifiers Based on Second-Harmonic Minima. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3147-3161.	4.6	21
89	Single-Bit Pseudoparallel Processing Low-Oversampling Deltaâ€“Sigma Modulator Suitable for SDR Wireless Transmitters. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2014, 22, 922-931.	3.1	19
90	Miniaturised active integrated antennas: a coâ€design approach. IET Microwaves, Antennas and Propagation, 2016, 10, 871-879.	1.4	19

#	Article	IF	Citations
91	On Track for Efficiency: Concurrent Multiband Envelope-Tracking Power Amplifiers. IEEE Microwave Magazine, 2016, 17, 46-59.	0.8	19
92	A Reflection-Aware Unified Modeling and Linearization Approach for Power Amplifier Under Mismatch and Mutual Coupling. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 4147-4157.	4.6	19
93	Two-Dimensional Cartesian Memory Polynomial Model for Nonlinearity and I/Q Imperfection Compensation in Concurrent Dual-Band Transmitters. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 14-18.	3.0	18
94	An Augmented Small-Signal HBT Model With Its Analytical Based Parameter Extraction Technique. IEEE Transactions on Electron Devices, 2008, 55, 968-972.	3.0	17
95	Accurate Time-Delay Estimation and Alignment for RF Power Amplifier/Transmitter Characterization. , 2008, , .		17
96	Linearization of Power Amplifiers Using the Reverse MM-LINC Technique. IEEE Transactions on Circuits and Systems II: Express Briefs, 2010, 57, 6-10.	3.0	17
97	Modified Least Squares Extraction for Volterra-Series Digital Predistorter in the Presence of Feedback Measurement Errors. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3559-3570.	4.6	17
98	Reduced-complexity power amplifier linearization for carrier aggregation mobile transceivers. , 2014, , .		17
99	Current-Biasing of Power-Amplifier Transistors and Its Application for Ultra-Wideband High Efficiency at Power Back-Off. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 1257-1271.	4.6	17
100	Planar Miniaturized Balanced-to-Single-Ended Power Divider Based on Composite Left- and Right-Handed Transmission Lines. IEEE Microwave and Wireless Components Letters, 2017, 27, 242-244.	3.2	17
101	Power Scalable Beam-Oriented Digital Predistortion for Compact Hybrid Massive MIMO Transmitters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 4994-5006.	5.4	17
102	RF/DSP Codesign Methodology of Enhanced Doherty Amplifiers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2012, 59, 219-223.	3.0	16
103	Rational Function Based Model for the Joint Mitigation of I/Q Imbalance and PA Nonlinearity. IEEE Microwave and Wireless Components Letters, 2013, 23, 196-198.	3.2	16
104	Digitally Equalized Doherty RF Front-End Architecture for Broadband and Multistandard Wireless Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1978-1988.	4.6	16
105	Analytical Design Methodology for Generic Doherty Amplifier Architectures Using Three-Port Input/Output Networks. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 3242-3253.	4.6	16
106	Broadband continuous mode power amplifier with onâ€board harmonic injection. IET Microwaves, Antennas and Propagation, 2019, 13, 1402-1407.	1.4	16
107	Deep Neural Network Behavioral Modeling Based on Transfer Learning for Broadband Wireless Power Amplifier. IEEE Microwave and Wireless Components Letters, 2021, 31, 917-920.	3.2	16
108	Low Computational Complexity Digital Predistortion Based on Convolutional Neural Network for Wideband Power Amplifiers. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1702-1706.	3.0	16

#	Article	IF	Citations
109	Concurrent Multi-Band Envelope Modulated Power Amplifier Linearized Using Extended Phase-Aligned DPD. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3298-3308.	4.6	15
110	Generalised twinâ€box model for compensation of transmitters radio frequency impairments. IET Communications, 2014, 8, 413-418.	2.2	15
111	A Novel Single Feedback Architecture With Time-Interleaved Sampling for Multi-Band DPD. IEEE Communications Letters, 2019, 23, 1033-1036.	4.1	15
112	Modeling of Input Nonlinearity and Waveform Engineered High-Efficiency Class-F Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 4216-4228.	4.6	15
113	Continuous-Mode Inverse Class-GF Power Amplifier With Second-Harmonic Impedance Optimization at Device Input. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2506-2518.	4.6	15
114	Multi-Stream Spatial Digital Predistortion for Fully-Connected Hybrid Beamforming Massive MIMO Transmitters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 2998-3011.	5.4	15
115	Loop Enhanced Passive Source- and Load-Pull Technique for High Reflection Factor Synthesis. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2952-2959.	4.6	14
116	Sub-sampling technique for spectrum sensing in cognitive radio systems. , 2012, , .		14
117	Harmonically Tuned Continuous Class-C Operation Mode for Power Amplifier Applications. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3017-3027.	4.6	14
118	A Fully Integrated 47.6% Fractional Bandwidth GaN MMIC Distributed Efficient Power Amplifier With Modified Input Matching and Power Splitting Network. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3132-3145.	4.6	14
119	High-efficiency GaN class-E power amplifier with compact harmonic-suppression network. , 2007, , .		13
120	Experimental study of the effects of RF front-end imperfection on MIMO transmitter performance. , 2008, , .		13
121	Carrier Aggregated Radio-Over-Fiber Downlink for Achieving 2Gbps for 5G Applications. IEEE Access, 2019, 7, 3136-3142.	4.2	13
122	Investigation of High-Efficiency Parallel-Circuit Class-EF Power Amplifiers With Arbitrary Duty Cycles. IEEE Transactions on Industrial Electronics, 2021, 68, 5000-5012.	7.9	13
123	A 24-29.5 GHz Voltage-Combined Doherty Power Amplifier Based on Compact Low-Loss Combiner. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2342-2346.	3.0	13
124	New Time-Domain Voltage and Current Waveform Measurement Setup for Power Amplifier Characterization and Optimization. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 224-231.	4.6	12
125	A miniaturized double-stage 3dB broadband branch-line hybrid coupler using distributed capacitors. , 2009, , .		12
126	Analysis of frequency-selective impedance loading of transmission lines for dual-band couplers. International Journal of RF and Microwave Computer-Aided Engineering, 2011, 21, 325-335.	1.2	12

#	Article	IF	Citations
127	A Time Misalignment Tolerant 2D-Memory Polynomials Predistorter for Concurrent Dual-Band Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2013, 23, 501-503.	3.2	12
128	Design methodology of high-efficiency contiguous mode harmonically tuned power amplifiers. , 2016, , .		12
129	Input Harmonic Sensitivity in High-Efficiency GaN Power Amplifiers. , 2018, , .		12
130	On the Second-Harmonic Null in Design Space of Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2018, 28, 600-602.	3.2	12
131	Systematic Design Methodology of Broadband Doherty Amplifier Using Unified Matching/Combining Networks With an Application to GaN MMIC Design. IEEE Access, 2021, 9, 5791-5805.	4.2	12
132	Dedicated Large-Signal GaN HEMT Model for Switching-Mode Circuit Analysis and Design. IEEE Microwave and Wireless Components Letters, 2009, 19, 740-742.	3.2	11
133	Behavioral Modeling of Concurrent Dual-Band Transmitters Based on Radially-Pruned Volterra Model. IEEE Communications Letters, 2015, 19, 751-754.	4.1	11
134	Blind Compensation of I/Q Impairments in Wireless Transceivers. Sensors, 2017, 17, 2948.	3.8	11
135	On the Double-Inflection Characteristic of the Continuous-Wave AM/AM in Class-F‹sup›â^'1‹/sup› Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2018, 28, 1131-1133.	3.2	11
136	Compact ${L}$ -Band Relativistic Magnetron With Diffraction Output of TEM Mode. IEEE Transactions on Electron Devices, 2019, 66, 5327-5332.	3.0	11
137	Harmonically Related Concurrent Tri-Band Behavioral Modeling and Digital Predistortion. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1073-1077.	3.0	11
138	An Efficient All Cavity Axial Extraction Relativistic Magnetron With Virtual Cathode. IEEE Transactions on Electron Devices, 2020, 67, 2165-2169.	3.0	11
139	Theory and Design Methodology for Reverse-Modulated Dual-Branch Power Amplifiers Applied to a 4G/5G Broadband GaN MMIC PA Design. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 3120-3131.	4.6	11
140	BER performance assessment of linearized MIMO transmitters in presence of RF crosstalk. , 2010, , .		10
141	Handset-Based Positioning System for Injured Fireman Rescue in Wildfire Fighting. IEEE Systems Journal, 2012, 6, 603-615.	4.6	10
142	70% Energy Saving in Wireless Positioning Systems: Non-Data-Bearing OFDM Transmission Replaces Non-Pulse-Shaping PN Transmission. IEEE Systems Journal, 2015, 9, 664-674.	4.6	10
143	Envelope Tracked Pulse Gate Modulated GaN HEMT Power Amplifier for Wireless Transmitters. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 571-579.	5.4	10
144	Extending the Characterization Bandwidth of Dynamic Nonlinear Transmitters With Application to Digital Predistortion. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 2640-2651.	4.6	10

#	Article	IF	Citations
145	Complex Deltaâ€“Sigma-Based Transmitter With Enhanced Linearity Performance Using Pulsed Load Modulation Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3324-3335.	4.6	10
146	A Ku-Band Microwave Wireless Energy Transmission System Based on Rectifier Diode. IEEE Access, 2019, 7, 135556-135562.	4.2	10
147	Two-Dimensional Piecewise Behavioral Model for Highly Nonlinear Dual-Band Transmitters. IEEE Transactions on Industrial Electronics, 2017, 64, 8666-8675.	7.9	9
148	Wireless Communications Transmitter Performance Enhancement Using Advanced Signal Processing Algorithms Running in a Hybrid DSP/FPGA Platform. Journal of Signal Processing Systems, 2009, 56, 187-198.	2.1	8
149	Nonuniform memory polynomial behavioral model for wireless transmitters and power amplifiers. , 2012, , .		8
150	Fundamental Limit of OFDM Range Estimation in a Separable Multipath Environment. Circuits, Systems, and Signal Processing, 2012, 31, 1215-1227.	2.0	8
151	Generalized twin-nonlinear two-box digital predistorter for GaN based LTE Doherty power amplifiers with strong memory effects. , 2013, , .		8
152	Dual-band predistortion linearization of an envelope modulated power amplifier operated in concurrent multi-standard mode. , 2014, , .		8
153	Low Complexity Distributed Model for the Compensation of Direct Conversion Transmitterâ€™s Imperfections. IEEE Transactions on Broadcasting, 2014, 60, 568-574.	3.2	8
154	Partitioned Distortion Mitigation in LTE Radio Uplink to Enhance Transmitter Efficiency. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2661-2671.	4.6	8
155	Dualâ€frequency impedance matching networks based on twoâ€section transmission line. IET Microwaves, Antennas and Propagation, 2017, 11, 1415-1423.	1.4	8
156	Concurrent Dual-Band Receiver Based on Novel Six-Port Correlator for Wireless Applications. IEEE Access, 2017, 5, 25826-25834.	4.2	8
157	Novel Integrated Class F Power Amplifier Design for RF Power Infrastructure Applications. IEEE Access, 2018, 6, 75650-75659.	4.2	8
158	Linearization of a Directional Modulation Transmitter Using Low-Complexity Cascaded Digital Predistortion. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 4467-4478.	4.6	8
159	Comprehensive Analysis of Input Waveform Shaping for Efficiency Enhancement in Class B Power Amplifiers. , 2019, , .		8
160	A Broadband Millimeter-Wave Continuous-Mode Class-F Power Amplifier Based on the Deembedded Transistor Model. IEEE Microwave and Wireless Components Letters, 2020, 30, 609-612.	3.2	8
161	Efficient Relativistic Magnetron With a Split Cathode. IEEE Transactions on Electron Devices, 2021, 68, 2480-2484.	3.0	8
162	A Joint PAPR Reduction and Digital Predistortion Based on Real-Valued Neural Networks for OFDM Systems. IEEE Transactions on Broadcasting, 2022, 68, 223-231.	3.2	8

#	Article	IF	Citations
163	Novel Design Space of Broadband High-Efficiency Parallel-Circuit Class-EF Power Amplifiers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 3465-3475.	5.4	8
164	Design of Sampling-Based Downconversion Stage for Multistandard RF Subsampling Receiver. , 2006, , .		7
165	Novel approach for static nonlinear behavior identification in RF power amplifiers exhibiting memory effects. , 2008, , .		7
166	Comparative study of recent advances in power amplification devices and circuits for wireless communication infrastructure. , 2009, , .		7
167	Efficient Spectrum Allocation and Time of Arrival Based Localization in Cognitive Networks. Wireless Personal Communications, 2012, 66, 813-831.	2.7	7
168	Accurate wireless indoor position estimation by using hybrid TDOA/RSS algorithm. , 2012, , .		7
169	Geometry-Based Doppler Analysis for GPS Receivers. Wireless Personal Communications, 2013, 68, 1-13.	2.7	7
170	A concurrent dual-band 1.9–2.6-GHz Doherty power amplifier with Intermodulation impedance tuning. , 2014, , .		7
171	Linearisation of radio frequency power amplifiers exhibiting memory effects using direct learningâ€based adaptive digital predistoriton. IET Communications, 2016, 10, 950-954.	2.2	7
172	Linearization of a Highly Nonlinear Envelope Tracking Power Amplifier Targeting Maximum Efficiency. IEEE Microwave and Wireless Components Letters, 2017, 27, 82-84.	3.2	7
173	Investigation of load modulated inverse Class-F power amplifier with extended conduction angle. International Journal of RF and Microwave Computer-Aided Engineering, 2018, 28, e21482.	1.2	7
174	On the Efficiency and AM/AM Flatness of Inverse Class-F Power Amplifiers. , 2019, , .		7
175	Highly efficient wideband parallelâ€circuit classâ€F/F ₃ power amplifier's design methodology. IET Microwaves, Antennas and Propagation, 2020, 14, 1021-1026.	1.4	7
176	Efficient linearisation technique for crosstalk and power amplifier nonâ€linearity suitable for massive MIMO transmitters. IET Communications, 2020, 14, 1485-1494.	2.2	7
177	A Fully Integrated 3.5-/4.9-GHz Dual-Band GaN MMIC Doherty Power Amplifier Based on Multi-Resonant Circuits. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 416-431.	4.6	7
178	2-D Magnitude-Selective Affine Function-Based Digital Predistortion for Concurrent Dual-Band Terminal Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4209-4222.	4.6	7
179	A Highly Linear GaN MMIC Doherty Power Amplifier Based on Phase Mismatch Induced AMâ€“PM Compensation. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 1334-1348.	4.6	7
180	A Comparative Study of Power Amplifiers' Sensitivity to Load Mismatch: Single Branch vs. Doherty Architectures. , 2007, , .		6

#	Article	IF	Citations
181	Study of the Output Load Mismatch Effects on the Load Modulation of Doherty Power Amplifiers. , 2007, , .		6
182	High efficiency digitally linearized GaN based power amplifier for 3G applications. , 2008, , .		6
183	Green Power Amplification Systems for 3G+ Wireless Communication Infrastructure. , 2010, , .		6
184	Broadband Doherty power amplifiers. , 2013, , .		6
185	Latticeâ€based memory polynomial predistorter for wideband radio frequency power amplifiers. IET Communications, 2014, 8, 3122-3127.	2.2	6
186	Design of Dual-Band Multistandard Subsampling Receivers for Optimal SNDR in Nonlinear and Interfering Environments. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 981-983.	4.7	6
187	Six-port technology for MIMO and cognitive radio receiver applications. , 2015, , .		6
188	A 1.1GHz bandwidth, 46%â€“62% efficiency Continuous Mode Doherty Power Amplifier. , 2016, , .		6
189	Homodyne Digitally Assisted and Spurious-Free Mixerless Direct Carrier Modulator With High Carrier Leakage Suppression. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1475-1488.	4.6	6
190	Microwave Connector De-Embedding and Antenna Characterization [Education Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 110-117.	1.4	6
191	A Novel High-Pass Deltaâ€“Sigma Modulator-Based Digital-IF Transmitter With Enhanced Performance for SDR Applications. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 1795-1799.	3.0	6
192	Compact Dual-Frequency Relativistic Magnetron With TEM Mode Output. IEEE Transactions on Electron Devices, 2020, 67, 4421-4425.	3.0	6
193	Reconfigurable Digital Delta-Sigma Modulation Transmitter Architecture for Concurrent Multi-Band Transmission. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 2455-2466.	5.4	6
194	Artificial Intelligence-Based Power-Temperature Inclusive Digital Predistortion. IEEE Transactions on Industrial Electronics, 2022, 69, 13872-13880.	7.9	6
195	A Low Complexity Moving Average Nested GMP Model for Digital Predistortion of Broadband Power Amplifiers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 2070-2083.	5.4	6
196	Optimized multistandard RF subsampling radio receiver design. , 2005, , .		5
197	On the design of MMIC multi-harmonic load terminations for class-F amplifiers. , 2006, , .		5
198	A Multiport Measurement System for Complex Distortion Measurements of Nonlinear Microwave Systems. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 1406-1413.	4.7	5

#	Article	IF	Citations
199	A systematic methodology to design analog predistortion linearizer for dual inflection power amplifiers. , 2011, , .		5
200	Dual-band branch-line hybrid with distinct power division ratio over the two bands. International Journal of RF and Microwave Computer-Aided Engineering, 2013, 23, 90-98.	1.2	5
201	Broadband class-E power amplifier with high cold output impedance suitable for load modulated dual branch amplifiers. , 2016, , .		5
202	A Dual-Input Two-Box Model for Digital Predistortion of Envelope Tracking Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2016, 26, 361-363.	3.2	5
203	A multi-stage concurrent dual-band DPD architecture for closely spaced carriers using a low bandwidth feedback loop. , 2016, , .		5
204	Throughput reliability analysis of cloud-radio access networks. Wireless Communications and Mobile Computing, 2016, 16, 2824-2838.	1.2	5
205	Augmented Hammerstein model for sixâ€portâ€based wireless receiver calibration. IET Communications, 2017, 11, 951-960.	2.2	5
206	Selective Intermodulation Compensation in a Multi-Stage Digital Predistorter for Nonlinear Multi-Band Power Amplifiers. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 534-546.	3.6	5
207	Curtailed Digital Predistortion Model for Crosstalk in MIMO Transmitters. , 2018, , .		5
208	The Nested-Mode Power Amplifiers for Highly Efficient Multi-Octave Applications. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 5114-5126.	4.6	5
209	Improved <scp>smallâ€signal</scp> hybrid <scp>parameterâ€extraction</scp> technique for <scp>AlGaN</scp> / <scp>GaN</scp> high electron mobility transistors. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22562.	1.2	5
210	An Efficient Inverted Relativistic Magnetron With Virtual Cathode. IEEE Transactions on Electron Devices, 2021, 68, 2499-2503.	3.0	5
211	Characterization of DC Offset on Adaptive MIMO Direct Conversion Transceivers. IEICE Transactions on Communications, 2011, E94-B, 253-261.	0.7	5
212	Multiport Relativistic Magnetron for Phased Array Application. IEEE Transactions on Electron Devices, 2022, 69, 1423-1428.	3.0	5
213	X-Band Ferrite Microstrip Limiter Based on Improved Nonlinear Loss Model for High-Power Microwave Application. IEEE Microwave and Wireless Components Letters, 2022, 32, 1015-1018.	3.2	5
214	Optimized Design of a Digital IQ Demodulator Suitable for Adaptive Predistortion of 3rd Generation Base Station PAs. , 2006, , .		4
215	On the Robustness of the Predistortion Function Synthesis for Highly Nonlinear RF Power Amplifiers Linearization. , 2006, , .		4
216	Hammerstein-Wiener Model for Wideband RF Transmitters Using Base-Band Data. , 2007, , .		4

#	Article	IF	Citations
217	High-efficiency GaN class-E power amplifier with ecompact harmonic-suppression network. , 2007, , .		4
218	Novel Compact Transmission-line Output Network Topology for Class-E Power Amplifiers. , 2008, , .		4
219	Investigating effects of quadrature imperfection of vector multiplier in implementing RF/Digital predistortion. , 2009, , .		4
220	Analysis of miniaturized 3 dB branch-line hybrid couplers using distributed MIM capacitors. Microwave and Optical Technology Letters, 2010, 52, 1553-1556.	1.4	4
221	Experimental investigation of the uncontrolled higher harmonic impedances effect on the performance of highâ€power microwave devices. Microwave and Optical Technology Letters, 2010, 52, 2480-2482.	1.4	4
222	A dual branch Hammerstein-Wiener architecture for behavior modeling of wideband RF transmitters. , 2010, , .		4
223	High efficiency harmonically-tuned gan power amplifier for 4G applications. , 2011, , .		4
224	Small-signal, complex distortion and waveform measurement system for multiport microwave devices. IEEE Instrumentation and Measurement Magazine, 2011, 14, 28-33.	1.6	4
225	Forward behavioral modeling of concurrent dual-band power amplifiers using extended real valued time delay neural networks. , 2012, , .		4
226	Design for linearizability of GaN based multi-carrier Doherty power amplifier through bias optimization. , 2012, , .		4
227	A novel design method of concurrent dual-band power amplifiers including impedance tuning at inter-band modulation frequencies. , 2013, , .		4
228	Analysis of MIMO-OFDM system impaired by nonlinear dual-band power amplifiers. Analog Integrated Circuits and Signal Processing, 2016, 89, 205-212.	1.4	4
229	Generalised twoâ€box cascaded Hammersteinâ€like digital predistorter for wideâ€band RF power amplifiers. Electronics Letters, 2016, 52, 293-295.	1.0	4
230	2D curtailed harmonic memory polynomial for reduced complexity in concurrent dualâ€band modelling and digital predistortion with the second band at harmonic frequency. IET Communications, 2018, 12, 1438-1447.	2.2	4
231	A Compact Dual-Band Impedance Matching Network Based on All-Pass Coupled Lines. , 2018, , .		4
232	A Dual-band Rectenna with Improved RF-DC Sensitivity for Wireless Energy Harvesting. , 2019, , .		4
233	Analysis of nonlinear crosstalk impairment in MIMO-OFDM systems. Analog Integrated Circuits and Signal Processing, 2019, 99, 559-569.	1.4	4
234	Quasi-Optimal Subcarrier Selection Dedicated for Localization With Multicarrier-Based Signals. IEEE Systems Journal, 2019, 13, 1157-1168.	4.6	4

#	Article	IF	Citations
235	Study and minimization of the Out-phasing amplifiers nonlinearity. , 2006, , .		3
236	Compact Load-Coupling Network for Microwave Current Mode Class-D Power Amplifiers. Semiconductor Conference, 2009 CAS 2009 International, 2007, , .	0.0	3
237	Design and Optimization of Digital Signal Components Separator of LINC Transmitters Using FPGA Processors. , 2007, , .		3
238	Multi-Branch Polynomial Model with Embedded Average Power Dependency for 3G RF Power Amplifiers. , 2007, , .		3
239	New High Directivity Coupler Design Using Feed-forward Compensation Technique. , 2008, , .		3
240	A De-Embedding Technique for On-Wafer Simultaneous Impedance and Power Flow Measurements. , 2008, , .		3
241	Memory Effect Modeling of Wideband Wireless Transmitters Using Neural Networks. , 2008, , .		3
242	High performance wideband digital predistortion platform for 3G+ applications with better than 55dBc over 40 MHz bandwidth. , 2010, , .		3
243	Extrinsic extraction pocedure for a small-signal GaN-HEMT model. , 2011, , .		3
244	Joint evaluation and mitigation of RF impairments and nonlinear distortion in WiMAX Transceiver under Nakagami-m fading channel. , 2011, , .		3
245	Comparative Analysis of Tunable Q-Enhancement Filter Cell Topologies in a 2.4 GHz LNA. Circuits, Systems, and Signal Processing, 2012, 31, 1577-1597.	2.0	3
246	Load-pull assisted cad design of inverted Doherty Amplifier without quarter-wave transformer. , 2012, , .		3
247	Effects of signal PDF on the identification of behavioral polynomial models for multicarrier RF power amplifiers. Analog Integrated Circuits and Signal Processing, 2012, 73, 217-224.	1.4	3
248	High efficiency Doherty amplifier combining digital adaptive power distribution and dynamic phase alignment. , 2013, , .		3
249	Software Defined Radio Subsampling Receiver for Wireless Monitoring and Sensing Medical Applications. , 2015, , .		3
250	Efficiency optimized 60 GHz CMOS Power amplifier for high PAPR signals. , 2015, , .		3
251	Modeling of extrinsic parasitic elements of Si based GaN HEMTs using two step de-embedding structures. , 2015, , .		3
252	High efficiency delta-sigma transmitter architecture with gate bias modulation for wireless applications. , 2015, , .		3

#	Article	IF	Citations
253	Energy-efficient microwave components for mobile communication [Guest Editorial]. China Communications, 2017, 14, 19-20.	3.2	3
254	Novel High Efficiency Power Amplifier Mode Using Open Circuit Harmonic Loading. , 2019, , .		3
255	Multi-Band All-Digital Transmission for 5G NG-RAN Communication. , 2020, , .		3
256	Linearization of Radio-Over-Fiber Cloud-RAN Transmitters Using Pre- and Post-Distortion Techniques. IEEE Photonics Technology Letters, 2021, 33, 339-342.	2.5	3
257	Automating the Verification of SDR Base band Signal Processing Algorithms Developed on DSP/FPGA Platform. Signal Processing Systems Design and Implementation (siPS), IEEE Workshop on, 2006, , .	0.0	2
258	RF Power Amplifiers for Emerging Wireless Communications: Single Branch Vs. Multi-Branch Architectures. , 2006, , .		2
259	Compact device-level linearisation technique using a reduced complexity derivative superposition approach. , 2006, , .		2
260	Spectral Methods for Accurate Identification and Quantification of Memory Effects of Wideband RF Power Amplifiers. , 2007, , .		2
261	Hammerstein-Like Predistortion Techniques for Wideband Wireless Power Amplifier Linearization. , 2007, , .		2
262	Digital predistorter architecture with small signal gain control for highly nonlinear RF power amplifiers. Midwest Symposium on Circuits and Systems, 2007, , .	1.0	2
263	Polynomial-Based Pre-distortion for Wideband RF Transmitters Using Single Frequency Signal. , 2007, , .		2
264	2-D vector quantized behavioral model for wireless transmittersâ€™ nonlinearity and memory effects modeling. , 2008, , .		2
265	Trading-off stability for efficiency in designing switching-mode GaN PAs for WiMAX applications. , 2009, , .		2
266	A load network for Doherty amplifiers using an optimized impedance transformer. Microwave and Optical Technology Letters, 2009, 51, 2502-2504.	1.4	2
267	On the large-signal modeling of AlGaN/GaN HEMTs for RF switching-mode power amplifiers design. , 2009, , .		2
268	Design methodology of high efficiency continuous mode transfer power amplifiers with one octave bandwidth. , 2014, , .		2
269	Design and implementation of a dual band six-port junction. , 2015, , .		2
270	Complexity reduced behavioural modeling of dynamic nonlinear power amplifiers using twoâ€box structures. Microwave and Optical Technology Letters, 2016, 58, 726-731.	1.4	2

#	Article	IF	Citations
271	Linearization of a concurrent dual-band transmitter exhibiting nonlinear distortion and hardware impairments using baseband injection. , 2016, , .		2
272	Optimal fundamental load modulation for harmonically tuned switch mode power amplifier. , 2016, , .		2
273	Generalized Bandpass Sampling Algorithm for Multiband Wireless Receivers Suitable for SDR Applications. Circuits, Systems, and Signal Processing, 2017, 36, 1099-1114.	2.0	2
274	Agile Blocker and Clock Jitter Tolerant Low-Power Frequency Selective Receiver with Energy Harvesting Capability. Scientific Reports, 2017, 7, 9658.	3.3	2
275	Cartesian augmented Hammerstein model for nonâ€linearity and I/Q impairments compensation in concurrent dualâ€band transmitters. IET Communications, 2017, 11, 1992-1997.	2.2	2
276	Miniaturized antenna integrated receiving front-end. , 2017, , .		2
277	Temperature Dependent Robust Behavioral Modeling of Non-Linear Power Amplifier. , 2018, , .		2
278	A Methodology and a Metric for the Assessment of the Linearizability of Broadband Nonlinear Doherty Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2020, 30, 764-767.	3.2	2
279	Robust digital predistorter for RF power amplifier linearisation. IET Microwaves, Antennas and Propagation, 2020, 14, 649-655.	1.4	2
280	Linearized Full Duplex Radio-Over-Fiber-Over-Space Mixerless Transceiver Architecture. IEEE Photonics Technology Letters, 2021, 33, 113-116.	2.5	2
281	A Low-Complexity Joint PAPR Reduction and Predistortion Based on Generalized Memory Polynomial Model. IEEE Microwave and Wireless Components Letters, 2022, 32, 88-91.	3.2	2
282	Review of the Neural Network based Digital Predistortion Linearization of Multi-Band/MIMO Transmitters. , 2021, , .		2
283	A Low Complexity LUT-Based Digital Predistortion Block With New Pruning Method. IEEE Microwave and Wireless Components Letters, 2022, 32, 1131-1134.	3.2	2
284	A Class-X Power Amplifier With Finite Number of Harmonics. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3897-3909.	4.6	2
285	Blind Peak-to-Average Power Ratio Reduction Technique for WiMAX RF Front-end. , 2006, , .		1
286	On the Wireless Transmitters Linear and Nonlionear Distortions Detection and Pre-Correction. , 2006, , .		1
287	Accurate Validation Methods for Dynamic Nonlinear Behavioral Models of Wideband RF Power Amplifiers Using Memoryless Predistortion Techniques. , 2007, , .		1
288	On the effects of the average power of training sequences used to synthesize memory digital predistorters in WCDMA transmitters. , 2007, , .		1

#	Article	IF	Citations
289	Harmonic suppression performance of a 5GHz MMIC class-E PA using a lowpass lumped-element impedance termination approximation. , 2007, , .		1
290	Source-pull/load-pull measurement system based on rf and baseband coherent active branches using broadband six-port reflectometers. , 2007, , .		1
291	Weighted criteria for RF power amplifiers identification in wide-band context. , 2008, , .		1
292	Linearization of wideband RF Doherty power amplifiers with complex dynamic nonlinearities. , 2008, , .		1
293	Linear and nonlinear memory effects of RF power amplifiers. , 2008, , .		1
294	Rapid behavior modeling platform for RF power amplifiers/transmitters. , 2008, , .		1
295	Intrinsic capacitances effects on the accuracy of the large-signal switch-based GaN device model. , 2009, , .		1
296	An S band RF digital linearizer for TWTAs and SSPAs. , 2009, , .		1
297	Performance assessment of RF power amplifier memory polynomial models under different signal statistics. , 2009, , .		1
298	An impedance and power flow measurement system suitable for on-wafer microwave device large-signal characterization. International Journal of RF and Microwave Computer-Aided Engineering, 2010, 20, 306-312.	1.2	1
299	Feedback-based digital predistorter for multi-bit delta-sigma transmitter. , 2011, , .		1
300	On-line waveform monitoring system for the design and characterization of MIMO RF PAs. , 2011, , .		1
301	Mitigation of the impacts of the dynamic phase variation on the performance of GaN and LDMOS Doherty power amplifiers/transmitters. , 2012, , .		1
302	A 60GHz CMOS class C amplifier intended for use in Doherty architecture. , 2012, , .		1
303	Design of dual-band multi-way Doherty power amplifiers. , 2012, , .		1
304	Analytical method for optimal design of RF dual-band rat-race couplers for arbitrary frequency ratios. International Journal of RF and Microwave Computer-Aided Engineering, 2012, 22, 690-700.	1.2	1
305	Two-Tone Phase Delay Control of Center Frequency and Bandwidth in Low-Noise-Amplifier RF Front Ends. IEEE Transactions on Circuits and Systems II: Express Briefs, 2013, 60, 192-196.	3.0	1
306	Analysis of the impact of finite OFF-state impedance of peaking branch on the efficiency of Doherty amplifiers. , 2014, , .		1

#	Article	IF	Citations
307	Digital predistortion of concurrent dual-band power amplifier based on two-dimensional multi-branch DPD. , 2014, , .		1
308	Parameterized basis functions for numerically stable behavioral modeling of RF power amplifiers. , 2014, , .		1
309	Behavioral modeling and predistortion of nonlinear power amplifiers based on adaptive filtering techniques. , 2014, , .		1
310	Advanced power amplifier technologies for multistandard and broadband wireless communications. , 2014, , .		1
311	SDR based multi-band subsampling receivers for GNSS applications. , 2014, , .		1
312	Behavioral modeling of envelope tracking power amplifier using Volterra series model and compressed sampling. , 2015, , .		1
313	Comparative analysis of power amplifiers' polynomial based models identification using RLS algorithm. , 2016, , .		1
314	Advanced envelope delta-sigma transmitter architecture with PLM power amplifier for multi-standard applications. , 2016, , .		1
315	Energy efficiency analysis of a C-RAN with distanceâ€"Based power control. , 2017, , .		1
316	Conception of a Dual-band Six-port Based Reflectometer. , 2017, , .		1
317	Wideband high-efficiency linearized PA design with reduction in memory effects and IMD3. International Journal of Microwave and Wireless Technologies, 2018, 10, 391-400.	1.9	1
318	Six-Port Based High Performance Concurrent Dual-Band Receiver. , 2018, , .		1
319	Augmented Hammerstein model for the calibration of six-port based dual band wireless receivers. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21535.	1.2	1
320	Multi-Band Transmission Using Reconfigurable Complex Multi-Band Delta Sigma Polar Modulator. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 94-98.	3.0	1
321	Compact Relativistic Magnetron With Omnidirectional Radiation Through a Slotted Waveguide Array Antenna. IEEE Transactions on Electron Devices, 2021, 68, 1912-1917.	3.0	1
322	Flexible ultraâ€high transformation ratioâ€based dualâ€band impedance transformer and its applications in a Tâ€junction power divider. IET Microwaves, Antennas and Propagation, 2021, 15, 1553-1563.	1.4	1
323	An 18â€"50-GHz Î"â€"Î£ Modulated Quasi-Continuous Digital Vector-Modulation Phase Shifter With Variable Gain Control. IEEE Microwave and Wireless Components Letters, 2022, 32, 60-63.	3.2	1
324	Short term memory effects study for optimal predistortion-based linearization of base-stations wireless transmitters. , 2006, , .		0

#	Article	IF	Citations
325	Memory Effect Pre-compensation for Wideband RF Power Amplifiers Using FIR-Based Weak Nonlinear Filters. , 2007, , .		0
326	High-efficiency GaN class-E power amplifier with compact harmonic-suppression network. , 2007, , .		0
327	Characterization and Modeling of Wideband Wireless Transceivers. , 2007, , .		0
328	Adaptive Antenna Selection Algorithm for Spatial Multiplexing MIMO Systems. , 2007, , .		0
329	An integrated nonlinear behavior modeling system for RF power amplifiers/transmitters. , 2007, , .		0
330	Implementation of dual-channel receiver suitable for 3G power amplifiers characterization in RF/Digital predistortion systems. , 2008, , .		0
331	Accurate modeling of wideband RF Doherty power amplifiers using dynamic nonlinear models. , 2008, , .		0
332	Accurate identification of static nonlinear properties of wideband RF power amplifiers. , 2008, , .		0
333	Efficiency optimization of WCDMA driven two-way Doherty power amplifiers over wide power range. , 2009, , .		0
334	On the usage of receive antenna subset selection algorithm in DSTBC based MIMO systems. , 2009, , .		0
335	Linearizing wideband wireless transmitters using memory effect separation based linearization techniques. , 2009, , .		0
336	Analysis and Decomposition of the Nonlinearities in RF Power Amplifiers. , 2010, , .		0
337	Nonlinear power amplifier sensitivity and effects on behavioural model performance. , 2011, , .		0
338	Mixed analog/digital design of wireless Doherty power amplifiers and transmitters. , 2012, , .		0
339	A GNSS receiver using band-pass continuous-time delta-sigma modulator. , 2014, , .		0
340	2D complexity reduced model for nonlinearity and I/Q imperfections in concurrent dual-band RF transmitters. , 2015, , .		0
341	On the use of compressed sampling algorithms for impairments compensation in dynamic nonlinear transmitters. , 2015, , .		0
342	Energy efficiency and spectrum efficiency in cooperative cloud radio access network. , 2015, , .		0

#	Article	IF	Citations
343	Port isolation enhancement via active integration for a UWB MIMO antenna system. , 2015, , .		0
344	Band-limited 2D Cartesian behavioral modeling of concurrent dual-band RF transmitters. , 2016, , .		0
345	Synthesis and optimisation of new wideband symmetrical sixâ€port junction. IET Microwaves, Antennas and Propagation, 2016, 10, 1071-1079.	1.4	0
346	Planar miniaturized balanced-to-single-ended power divider with arbitrary power division. , 2017, , .		0
347	Performance Assessment of the N-Port Based Wireless Receivers. , 2017, , .		0
348	Performance of quadrature phase shift frequency selective receiver in presence of blockers. , 2018, , .		0
349	Low Speed Digital RoF Transmitter Linearizer Using Sub-band Signal Processing Technique. , 2019, , .		0
350	Concurrent Dual Band Six-port based Receivers: Topologies and Calibration Technique. , 2019, , .		0
351	Using 2.4 GHz load-side voltage standing waves to passively boost RF-DC voltage conversion in RF rectifier. Wireless Power Transfer, 2019, 6, 113-125.	1.1	0
352	Delay-compensation block for first-order low-pass delta-sigma modulators. Microwave and Optical Technology Letters, 2019, 61, 583-586.	1.4	0
353	Fast and low complexity frequency domain analysis of nonuniform substrate integrated waveguideâ€based structures. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22135.	1.2	0
354	Chebyshev polynomials for the numerical modeling of nonâ€uniform substrate integrated waveguides. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2853.	1.9	0
355	Delta-Sigma Modulator-Embedded Digital Predistortion for 5G Transmitter Linearization. IEEE Transactions on Communications, 2022, 70, 5558-5571.	7.8	0