Fadhel M Ghannouchi

List of Publications by Year
in descending order

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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	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
2	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
3	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
4	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
5	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
6	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
7	Artificial Intelligence-Based Power-Temperature Inclusive Digital Predistortion. IEEE Transactions on Industrial Electronics, 2022, 69, 13872-13880.	7.9	6
8	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
9	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
10	Multiport Relativistic Magnetron for Phased Array Application. IEEE Transactions on Electron Devices, 2022, 69, 1423-1428.	3.0	5
11	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
12	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
13	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
14	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
15	Delta-Sigma Modulator-Embedded Digital Predistortion for 5G Transmitter Linearization. IEEE Transactions on Communications, 2022, 70, 5558-5571.	7.8	0
16	A Class-X Power Amplifier With Finite Number of Harmonics. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 3897-3909.	4.6	2
17	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
18	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

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19	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
20	Linearized Full Duplex Radio-Over-Fiber-Over-Space Mixerless Transceiver Architecture. IEEE Photonics Technology Letters, 2021, 33, 113-116.	2.5	2
21	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
22	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
23	Improved <scp>small‐signal</scp> hybrid <scp>parameter‐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
24	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
25	Compact Relativistic Magnetron With Omnidirectional Radiation Through a Slotted Waveguide Array Antenna. IEEE Transactions on Electron Devices, 2021, 68, 1912-1917.	3.0	1
26	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
27	An Efficient Inverted Relativistic Magnetron With Virtual Cathode. IEEE Transactions on Electron Devices, 2021, 68, 2499-2503.	3.0	5
28	Efficient Relativistic Magnetron With a Split Cathode. IEEE Transactions on Electron Devices, 2021, 68, 2480-2484.	3.0	8
29	Flexible ultra‐high transformation ratio‐based dual‐band impedance transformer and its applications in a T‐junction power divider. IET Microwaves, Antennas and Propagation, 2021, 15, 1553-1563.	1.4	1
30	Review of the Neural Network based Digital Predistortion Linearization of Multi-Band/MIMO Transmitters. , 2021, , .		2
31	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
32	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
33	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
34	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
35	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
36	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

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37	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
38	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
39	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
40	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
41	Multi-Band All-Digital Transmission for 5G NG-RAN Communication. , 2020, , .		3
42	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
43	Distributed Intelligence: A Verification for Multi-Agent DRL-Based Multibeam Satellite Resource Allocation. IEEE Communications Letters, 2020, 24, 2785-2789.	4.1	33
44	Compact Dual-Frequency Relativistic Magnetron With TEM Mode Output. IEEE Transactions on Electron Devices, 2020, 67, 4421-4425.	3.0	6
45	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
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	Robust digital predistorter for RF power amplifier linearisation. IET Microwaves, Antennas and Propagation, 2020, 14, 649-655.	1.4	2
48	Efficient linearisation technique for crosstalk and power amplifier nonâ€linearity suitable for massive MIMO transmitters. IET Communications, 2020, 14, 1485-1494.	2.2	7
49	An Efficient All Cavity Axial Extraction Relativistic Magnetron With Virtual Cathode. IEEE Transactions on Electron Devices, 2020, 67, 2165-2169.	3.0	11
50	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
51	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
52	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
53	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
54	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

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55	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
56	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
57	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
58	Low Speed Digital RoF Transmitter Linearizer Using Sub-band Signal Processing Technique. , 2019, , .		0
59	On the Efficiency and AM/AM Flatness of Inverse Class-F Power Amplifiers. , 2019, , .		7
60	Novel High Efficiency Power Amplifier Mode Using Open Circuit Harmonic Loading. , 2019, , .		3
61	Comprehensive Analysis of Input Waveform Shaping for Efficiency Enhancement in Class B Power Amplifiers. , 2019, , .		8
62	A Ku-Band Microwave Wireless Energy Transmission System Based on Rectifier Diode. IEEE Access, 2019, 7, 135556-135562.	4.2	10
63	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
64	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
65	Carrier Aggregated Radio-Over-Fiber Downlink for Achieving 2Gbps for 5G Applications. IEEE Access, 2019, 7, 3136-3142.	4.2	13
66	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
67	A Novel Single Feedback Architecture With Time-Interleaved Sampling for Multi-Band DPD. IEEE Communications Letters, 2019, 23, 1033-1036.	4.1	15
68	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
69	Concurrent Dual Band Six-port based Receivers: Topologies and Calibration Technique. , 2019, , .		0
70	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
71	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
72	Broadband continuous mode power amplifier with onâ€board harmonic injection. IET Microwaves, Antennas and Propagation, 2019, 13, 1402-1407.	1.4	16

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73	Compact ${L}$ -Band Relativistic Magnetron With Diffraction Output of TEM Mode. IEEE Transactions on Electron Devices, 2019, 66, 5327-5332.	3.0	11
74	A Dual-band Rectenna with Improved RF-DC Sensitivity for Wireless Energy Harvesting. , 2019, , .		4
75	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
76	Analysis of nonlinear crosstalk impairment in MIMO-OFDM systems. Analog Integrated Circuits and Signal Processing, 2019, 99, 559-569.	1.4	4
77	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
78	Quasi-Optimal Subcarrier Selection Dedicated for Localization With Multicarrier-Based Signals. IEEE Systems Journal, 2019, 13, 1157-1168.	4.6	4
79	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
80	Delay-compensation block for first-order low-pass delta-sigma modulators. Microwave and Optical Technology Letters, 2019, 61, 583-586.	1.4	0
81	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
82	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
83	High-Efficiency Input and Output Harmonically Engineered Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 1002-1014.	4.6	67
84	Broadband GaN Class-E Power Amplifier for Load Modulated Delta Sigma and 5G Transmitter Applications. IEEE Access, 2018, 6, 4709-4719.	4.2	45
85	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
86	Performance of quadrature phase shift frequency selective receiver in presence of blockers. , 2018, , .		0
87	Temperature Dependent Robust Behavioral Modeling of Non-Linear Power Amplifier. , 2018, , .		2
88	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
89	A Compact Dual-Band Impedance Matching Network Based on All-Pass Coupled Lines. , 2018, , .		4
90	Six-Port Based High Performance Concurrent Dual-Band Receiver. , 2018, , .		1

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91	Novel Integrated Class F Power Amplifier Design for RF Power Infrastructure Applications. IEEE Access, 2018, 6, 75650-75659.	4.2	8
92	Microwave Connector De-Embedding and Antenna Characterization [Education Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 110-117.	1.4	6
93	On the Double-Inflection Characteristic of the Continuous-Wave AM/AM in Class-F^{â¯1} Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2018, 28, 1131-1133.	3.2	11
94	Curtailed Digital Predistortion Model for Crosstalk in MIMO Transmitters. , 2018, , .		5
95	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
96	Input Harmonic Sensitivity in High-Efficiency GaN Power Amplifiers. , 2018, , .		12
97	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
98	On the Second-Harmonic Null in Design Space of Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2018, 28, 600-602.	3.2	12
99	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
100	Generalized Bandpass Sampling Algorithm for Multiband Wireless Receivers Suitable for SDR Applications. Circuits, Systems, and Signal Processing, 2017, 36, 1099-1114.	2.0	2
101	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
102	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
103	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
104	Two-Dimensional Piecewise Behavioral Model for Highly Nonlinear Dual-Band Transmitters. IEEE Transactions on Industrial Electronics, 2017, 64, 8666-8675.	7.9	9
105	Augmented Hammerstein model for sixâ€portâ€based wireless receiver calibration. IET Communications, 2017, 11, 951-960.	2.2	5
106	Energy efficiency analysis of a C-RAN with distanceâ€”Based power control. , 2017, , .		1
107	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
108	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

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109	Energy-efficient microwave components for mobile communication [Guest Editorial]. China Communications, 2017, 14, 19-20.	3.2	3
110	Agile Blocker and Clock Jitter Tolerant Low-Power Frequency Selective Receiver with Energy Harvesting Capability. Scientific Reports, 2017, 7, 9658.	3.3	2
111	Dualâ€frequency impedance matching networks based on twoâ€section transmission line. IET Microwaves, Antennas and Propagation, 2017, 11, 1415-1423.	1.4	8
112	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
113	Concurrent Dual-Band Receiver Based on Novel Six-Port Correlator for Wireless Applications. IEEE Access, 2017, 5, 25826-25834.	4.2	8
114	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
115	Planar miniaturized balanced-to-single-ended power divider with arbitrary power division. , 2017, , .		0
116	Blind Compensation of I/Q Impairments in Wireless Transceivers. Sensors, 2017, 17, 2948.	3.8	11
117	Miniaturized antenna integrated receiving front-end. , 2017, , .		2
118	Conception of a Dual-band Six-port Based Reflectometer. , 2017, , .		1
119	Performance Assessment of the N-Port Based Wireless Receivers. , 2017, , .		0
120	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
121	Doherty Goes Digital: Digitally Enhanced Doherty Power Amplifiers. IEEE Microwave Magazine, 2016, 17, 41-51.	0.8	32
122	Broadband class-E power amplifier with high cold output impedance suitable for load modulated dual branch amplifiers. , 2016, , .		5
123	Band-limited 2D Cartesian behavioral modeling of concurrent dual-band RF transmitters. , 2016, , .		0
124	Linearization of a concurrent dual-band transmitter exhibiting nonlinear distortion and hardware impairments using baseband injection. , 2016, , .		2
125	Comparative analysis of power amplifiers' polynomial based models identification using RLS algorithm. , 2016, , .		1
126	Miniaturised active integrated antennas: a coâ€design approach. IET Microwaves, Antennas and Propagation, 2016, 10, 871-879.	1.4	19

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127	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
128	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
129	A multi-stage concurrent dual-band DPD architecture for closely spaced carriers using a low bandwidth feedback loop. , 2016, , .		5
130	Optimal fundamental load modulation for harmonically tuned switch mode power amplifier. , 2016, , .		2
131	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
132	Advanced envelope delta-sigma transmitter architecture with PLM power amplifier for multi-standard applications. , 2016, , .		1
133	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
134	Synthesis and optimisation of new wideband symmetrical sixâ€port junction. IET Microwaves, Antennas and Propagation, 2016, 10, 1071-1079.	1.4	0
135	A 1.1GHz bandwidth, 46%â€“62% efficiency Continuous Mode Doherty Power Amplifier. , 2016, , .		6
136	A Broadband Doherty Power Amplifier Based on Continuous-Mode Technology. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4505-4517.	4.6	125
137	Low Feedback Sampling Rate Digital Predistortion for Wideband Wireless Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3528-3539.	4.6	45
138	Throughput reliability analysis of cloud-radio access networks. Wireless Communications and Mobile Computing, 2016, 16, 2824-2838.	1.2	5
139	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
140	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
141	On Track for Efficiency: Concurrent Multiband Envelope-Tracking Power Amplifiers. IEEE Microwave Magazine, 2016, 17, 46-59.	0.8	19
142	A Wideband Balanced-to-Unbalanced Coupled-Line Power Divider. IEEE Microwave and Wireless Components Letters, 2016, 26, 410-412.	3.2	55
143	Design methodology of high-efficiency contiguous mode harmonically tuned power amplifiers. , 2016, , .		12
144	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

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145	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
146	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
147	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
148	Generalised twoâ€box cascaded Hammersteinâ€like digital predistorter for wideâ€band RF power amplifiers. Electronics Letters, 2016, 52, 293-295.	1.0	4
149	Generalized Continuous Class-F Harmonic Tuned Power Amplifiers. IEEE Microwave and Wireless Components Letters, 2016, 26, 213-215.	3.2	70
150	2D complexity reduced model for nonlinearity and I/Q imperfections in concurrent dual-band RF transmitters. , 2015, , .		0
151	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
152	Software Defined Radio Subsampling Receiver for Wireless Monitoring and Sensing Medical Applications. , 2015, , .		3
153	On the use of compressed sampling algorithms for impairments compensation in dynamic nonlinear transmitters. , 2015, , .		0
154	Behavioral modeling of envelope tracking power amplifier using Volterra series model and compressed sampling. , 2015, , .		1
155	Energy efficiency and spectrum efficiency in cooperative cloud radio access network. , 2015, , .		0
156	Efficiency optimized 60 GHz CMOS Power amplifier for high PAPR signals. , 2015, , .		3
157	Design and implementation of a dual band six-port junction. , 2015, , .		2
158	Behavioral Modeling of Concurrent Dual-Band Transmitters Based on Radially-Pruned Volterra Model. IEEE Communications Letters, 2015, 19, 751-754.	4.1	11
159	Modeling of extrinsic parasitic elements of Si based GaN HEMTs using two step de-embedding structures. , 2015, , .		3
160	Port isolation enhancement via active integration for a UWB MIMO antenna system. , 2015, , .		0
161	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
162	High efficiency delta-sigma transmitter architecture with gate bias modulation for wireless applications. , 2015, , .		3

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163	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
164	Six-port technology for MIMO and cognitive radio receiver applications. , 2015, , .		6
165	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
166	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
167	Reduced-complexity power amplifier linearization for carrier aggregation mobile transceivers. , 2014, , .		17
168	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
169	Latticeâ€based memory polynomial predistorter for wideband radio frequency power amplifiers. IET Communications, 2014, 8, 3122-3127.	2.2	6
170	Analysis of the impact of finite OFF-state impedance of peaking branch on the efficiency of Doherty amplifiers. , 2014, , .		1
171	A concurrent dual-band 1.9–2.6-GHz Doherty power amplifier with Intermodulation impedance tuning. , 2014, , .		7
172	Dual-band predistortion linearization of an envelope modulated power amplifier operated in concurrent multi-standard mode. , 2014, , .		8
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