

Bumman Kim

List of Publications by Year in descending order

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220
papers

6,067
citations

57631

44
h-index

88477

70
g-index

221
all docs

221
docs citations

221
times ranked

2195
citing authors

#	ARTICLE	IF	CITATIONS
1	The Doherty power amplifier. IEEE Microwave Magazine, 2006, 7, 42-50.	0.7	270
2	A fully matched N-way doherty amplifier with optimized linearity. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 986-993.	2.9	193
3	Analysis and experiments for high-efficiency class-F and inverse class-F power amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 1969-1974.	2.9	190
4	Optimum operation of asymmetrical-cells-based linear Doherty power Amplifiers-uneven power drive and power matching. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 1802-1809.	2.9	186
5	The Doherty Power Amplifier: Review of Recent Solutions and Trends. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 559-571.	2.9	181
6	Linearity analysis of CMOS for RF application. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 972-977.	2.9	137
7	Investigation of a Class-J Power Amplifier With a Nonlinear $S_{m out}$ for Optimized Operation. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2800-2811.	2.9	135
8	Highly Linear mm-Wave CMOS Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4535-4544.	2.9	133
9	A Polar Transmitter With CMOS Programmable Hysteretic-Controlled Hybrid Switching Supply Modulator for Multistandard Applications. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1675-1686.	2.9	119
10	Push the Envelope: Design Concepts for Envelope-Tracking Power Amplifiers. IEEE Microwave Magazine, 2013, 14, 68-81.	0.7	118
11	Optimization for Envelope Shaped Operation of Envelope Tracking Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1787-1795.	2.9	102
12	A Dual Power-Mode Multi-Band Power Amplifier With Envelope Tracking for Handset Applications. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 1608-1619.	2.9	101
13	Adaptive Digital Feedback Predistortion Technique for Linearizing Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 932-940.	2.9	97
14	Design of Bandwidth-Enhanced Doherty Power Amplifiers for Handset Applications. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3474-3483.	2.9	96
15	A Highly Linear and Efficient Differential CMOS Power Amplifier With Harmonic Control. IEEE Journal of Solid-State Circuits, 2006, 41, 1314-1322.	3.5	91
16	Highly Efficient Dual-Switch Hybrid Switching Supply Modulator for Envelope Tracking Power Amplifier. IEEE Microwave and Wireless Components Letters, 2012, 22, 285-287.	2.0	88
17	Direct Parameter Extraction of SiGe HBTs for the VBIC Bipolar Compact Model. IEEE Transactions on Electron Devices, 2005, 52, 375-384.	1.6	82
18	A $\Delta\Sigma$ -Digitized Polar RF Transmitter. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2679-2690.	2.9	82

#	ARTICLE	IF	CITATIONS
19	Behaviors of Class-F and Class- F^{-1} Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1937-1951.	2.9	80
20	Analysis of a Fully Matched Saturated Doherty Amplifier With Excellent Efficiency. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 328-338.	2.9	79
21	Optimized Design of a Highly Efficient Three-Stage Doherty PA Using Gate Adaptation. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2562-2574.	2.9	79
22	A New RF CMOS Gilbert Mixer With Improved Noise Figure and Linearity. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 626-631.	2.9	78
23	Efficiency Enhancement of Doherty Amplifier Through Mitigation of the Knee Voltage Effect. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 143-152.	2.9	78
24	A 30.8-dBm Wideband CMOS Power Amplifier With Minimized Supply Fluctuation. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1658-1666.	2.9	76
25	A microwave Doherty amplifier employing envelope tracking technique for high efficiency and linearity. IEEE Microwave and Wireless Components Letters, 2003, 13, 370-372.	2.0	72
26	Envelope-Tracking CMOS Power Amplifier Module for LTE Applications. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3763-3773.	2.9	70
27	A Multimode/Multiband Power Amplifier With a Boosted Supply Modulator. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2598-2608.	2.9	69
28	Advanced Doherty Architecture. IEEE Microwave Magazine, 2010, 11, 72-86.	0.7	69
29	Saturated Power Amplifier Optimized for Efficiency Using Self-Generated Harmonic Current and Voltage. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2049-2058.	2.9	66
30	Accurate dB-Linear Variable Gain Amplifier With Gain Error Compensation. IEEE Journal of Solid-State Circuits, 2013, 48, 456-464.	3.5	66
31	A New Wideband Adaptive Digital Predistortion Technique Employing Feedback Linearization. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 385-392.	2.9	65
32	Linearization of CMOS Cascode Power Amplifiers Through Adaptive Bias Control. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4534-4543.	2.9	65
33	Optimized Envelope Tracking Operation of Doherty Power Amplifier for High Efficiency Over an Extended Dynamic Range. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1508-1515.	2.9	64
34	Enhanced Hammerstein Behavioral Model for Broadband Wireless Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 924-933.	2.9	62
35	Broadband Saturated Power Amplifier With Harmonic Control Circuits. IEEE Microwave and Wireless Components Letters, 2014, 24, 185-187.	2.0	59
36	Optimum design of a predistortion RF power amplifier for multicarrier WCDMA applications. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 655-663.	2.9	57

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37	A New Power Management IC Architecture for Envelope Tracking Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1796-1802.	2.9	56
38	A low phase-noise CMOS VCO with harmonic tuned LC tank. IEEE Transactions on Microwave Theory and Techniques, 2006, 54, 2917-2924.	2.9	55
39	Efficient Digital Quadrature Transmitter Based on IQ Cell Sharing. IEEE Journal of Solid-State Circuits, 2017, 52, 1345-1357.	3.5	55
40	Design of Doherty Power Amplifiers for Handset Applications. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2134-2142.	2.9	54
41	A Multimode/Multiband Envelope Tracking Transmitter With Broadband Saturated Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3463-3473.	2.9	53
42	Measurement of two-tone transfer characteristics of high-power amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 568-571.	2.9	49
43	An optimized design of distributed active transformer. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 380-388.	2.9	49
44	Toward Integrated Circuit Size Reduction. IEEE Microwave Magazine, 2008, 9, 65-75.	0.7	46
45	A 2.14-GHz GaN MMIC Doherty Power Amplifier for Small-Cell Base Stations. IEEE Microwave and Wireless Components Letters, 2014, 24, 263-265.	2.0	46
46	A Wideband Envelope Tracking Doherty Amplifier for WiMAX Systems. IEEE Microwave and Wireless Components Letters, 2008, 18, 49-51.	2.0	45
47	Analog predistortion linearizer for high power rf amplifier. , 0, , .		44
48	Analysis of nonlinear behavior of power HBTs. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1714-1722.	2.9	44
49	A new empirical large-signal model of Si LDMOSFETs for high-power amplifier design. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 1626-1633.	2.9	42
50	A Sub-2 dB NF Dual-Band CMOS LNA for CDMA/WCDMA Applications. IEEE Microwave and Wireless Components Letters, 2008, 18, 212-214.	2.0	42
51	Linear Doherty Power Amplifier With an Enhanced Back-Off Efficiency Mode for Handset Applications. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 567-578.	2.9	42
52	Switching Behavior of Class-E Power Amplifier and Its Operation Above Maximum Frequency. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 89-98.	2.9	41
53	Small Wideband Coupled-Line Ring Hybrids With No Restriction on Coupling Power. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1806-1817.	2.9	40
54	A Ultra-High PAE Doherty Amplifier Based on 0.13- μm CMOS Process. IEEE Microwave and Wireless Components Letters, 2006, 16, 505-507.	2.0	37

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55	A new linear amplifier using low-frequency second-order intermodulation component feedforwarding. , 1999, 9, 419-421.		35
56	The Doherty Power Amplifier With On-Chip Dynamic Bias Control Circuit for Handset Application. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 633-642.	2.9	35
57	Broadband HBT Doherty Power Amplifiers for Handset Applications. IEEE Transactions on Microwave Theory and Techniques, 2010, , .	2.9	35
58	Highly linear three-way Doherty amplifier with uneven power drive for repeater system. IEEE Microwave and Wireless Components Letters, 2006, 16, 176-178.	2.0	34
59	Weighted Polynomial Digital Predistortion for Low Memory Effect Doherty Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 925-931.	2.9	33
60	Voltage-Combined CMOS Doherty Power Amplifier Based on Transformer. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3612-3622.	2.9	33
61	New predistortion linearizer using low-frequency even-order intermodulation components. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 446-452.	2.9	31
62	Highly Efficient Three-Way Saturated Doherty Amplifier With Digital Feedback Predistortion. IEEE Microwave and Wireless Components Letters, 2008, 18, 539-541.	2.0	30
63	High efficiency and wideband envelope tracking power amplifier with sweet spot tracking. , 2010, , .		30
64	A highly efficient asymmetric Doherty Power Amplifier with a new output combining circuit. , 2011, , .		30
65	Control of IMD Asymmetry of CMOS Power Amplifier for Broadband Operation Using Wideband Signal. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3753-3762.	2.9	29
66	A 34% PAE, 26-dBm output power envelope-tracking CMOS power amplifier for 10-MHz BW LTE applications. , 2012, , .		28
67	High-Performance CMOS Power Amplifier With Improved Envelope Tracking Supply Modulator. IEEE Transactions on Microwave Theory and Techniques, 2016, , 1-12.	2.9	27
68	Analysis of Adaptive Digital Feedback Linearization Techniques. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 345-354.	3.5	24
69	CMOS Saturated Power Amplifier With Dynamic Auxiliary Circuits for Optimized Envelope Tracking. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 3425-3435.	2.9	24
70	The effects of C_{bc} on the linearity of AlGaAs/GaAs power HBTs. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 1270-1276.	2.9	23
71	Optimized Envelope Shaping for Hybrid EER Transmitter of Mobile WiMAX™ Optimized ET Operation. IEEE Microwave and Wireless Components Letters, 2009, 19, 335-337.	2.0	23
72	A Saturated Doherty Power Amplifier Based On Saturated Amplifier. IEEE Microwave and Wireless Components Letters, 2010, 20, 109-111.	2.0	23

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73	Highly Efficient Saturated Power Amplifier. IEEE Microwave Magazine, 2012, 13, 125-131.	0.7	23
74	Accurate Offset Line Design of Doherty Amplifier With Compensation of Peaking Amplifier Phase Variation. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3224-3231.	2.9	23
75	An adaptive bias controlled power amplifier with a load-modulated combining scheme for high efficiency and linearity. , 0, , .		22
76	Linear power amplifier based on 3-way Doherty amplifier with predistorter. , 0, , .		22
77	GaN HEMT MMIC Doherty Power Amplifier With High Gain and High PAE. IEEE Microwave and Wireless Components Letters, 2015, 25, 187-189.	2.0	21
78	Microwave Doherty Power Amplifier for High Efficiency and Linearity. , 2006, , .		20
79	Transmission-line directional couplers for impedance transforming. IEEE Microwave and Wireless Components Letters, 2006, 16, 537-539.	2.0	20
80	Non-decimation FIR filter for digital RF sampling receiver with wideband operation capability. , 2009, , .		19
81	Wideband LNA Using a Negative gm Cell for Improvement of Linearity and Noise Figure. Journal of Electromagnetic Waves and Applications, 2010, 24, 619-630.	1.0	19
82	Linear Doherty power amplifier with adaptive bias circuit for average power-tracking. , 2016, , .		19
83	CMOS Linear Power Amplifier with Envelope Tracking Operation (Invited Paper). Journal of the Korean Institute of Electromagnetic Engineering and Science, 2014, 14, 1-8.	2.9	19
84	Optimization for error-canceling loop of the feedforward amplifier using a new system-level mathematical model. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 475-482.	2.9	18
85	Impact of Nonlinear S_{bc} on HBT Doherty Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3298-3307.	2.9	18
86	Fully Integrated CMOS Saturated Power Amplifier With Simple Digital Predistortion. IEEE Microwave and Wireless Components Letters, 2014, 24, 533-535.	2.0	17
87	Investigation of Intermodulation Distortion of Envelope Tracking Power Amplifier for Linearity Improvement. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 1324-1333.	2.9	17
88	Digital controlled adaptive feedforward amplifier for IMT-2000 band. , 0, , .		16
89	Effect of efficiency optimization on linearity of LINC amplifiers with CDMA signal. , 0, , .		16
90	Differential CMOS linear power amplifier with 2nd harmonic termination at common source node. , 0, , .		15

#	ARTICLE	IF	CITATIONS
91	A Highly Efficient CMOS Envelope Tracking Power Amplifier Using All Bias Node Controls. IEEE Microwave and Wireless Components Letters, 2015, 25, 517-519.	2.0	15
92	A Highly Efficient Power Amplifier at 5.8 GHz Using Independent Harmonic Control. IEEE Microwave and Wireless Components Letters, 2017, 27, 76-78.	2.0	15
93	Accurate RF large-signal model of LDMOSFETs including self-heating effect. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 387-390.	2.9	14
94	Advanced Design of Linear Doherty Amplifier for High Efficiency using Saturation Amplifier. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	14
95	A Low Phase Noise VCO in 65 nm CMOS Process Using Rectangular Switching Technique. IEEE Microwave and Wireless Components Letters, 2007, 17, 610-612.	2.0	14
96	Ultralow-Power 2.4-GHz Receiver With All Passive Sliding-IF Mixer. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 2356-2362.	2.9	14
97	Feedforward amplifier for WCDMA base stations with a new adaptive control method. , 0, , .		13
98	Ultra high-speed InP-InGaAs SHTs with $f_{sub\ max}$ of 478 GHz. IEEE Electron Device Letters, 2003, 24, 384-386.	2.2	13
99	Highly efficient LDMOS power amplifier based on class-E topology. Microwave and Optical Technology Letters, 2006, 48, 789-791.	0.9	13
100	High Efficiency GaN HEMT Power Amplifier optimized for OFDM EER Transmitter. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	13
101	Analysis and design of CMOS Doherty power amplifier using voltage combining method. , 2013, , .		13
102	A modified cascode type low noise amplifier using dual common source transistors. , 0, , .		12
103	Highly efficient power amplifier for CDMA base stations using doherty configuration. , 0, , .		12
104	A Wideband Digital RF Receiver Front-End Employing a New Discrete-Time Filter for m-WiMAX. IEEE Journal of Solid-State Circuits, 2012, 47, 1165-1174.	3.5	12
105	Complementary metal-oxide semiconductor Doherty power amplifier based on voltage combining method. IET Microwaves, Antennas and Propagation, 2014, 8, 131-136.	0.7	12
106	Experimental investigation on efficiency and linearity of microwave Doherty amplifier. , 0, , .		11
107	Improved VBIC model for SiGe HBTs with an unified model of heterojunction barrier effects. IEEE Transactions on Electron Devices, 2006, 53, 743-752.	1.6	11
108	Doherty amplifier with envelope tracking for high efficiency. , 2010, , .		11

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109	Envelope tracking power amplifier robust to battery depletion. , 2010, , .		11
110	30.3% PAE HBT Doherty power amplifier for 2.5∼2.7 GHz mobile WiMAX. , 2010, , .		11
111	Compact design of linear Doherty power amplifier with harmonic control for handset applications. , 2015, , .		11
112	A highly linear dual-band Doherty power amplifier for femto-cell base stations. , 2015, , .		11
113	Low-frequency noise characterization of self-aligned AlGaAs-GaAs heterojunction bipolar transistors with a noise corner frequency below 3 kHz. IEEE Transactions on Microwave Theory and Techniques, 1998, 46, 1604-1613.	2.9	10
114	CDMA handset power amplifier with a switched output matching circuit for low/high power mode operations. , 0, , .		10
115	GaN HEMT Based Doherty Amplifier for 3.5-GHz WiMAX Applications. , 2007, , .		10
116	Analysis of Average Power Tracking Doherty Power Amplifier. IEEE Microwave and Wireless Components Letters, 2015, 25, 481-483.	2.0	10
117	Fully Integrated Doherty Power Amplifiers for 5 GHz Wireless-LANs. , 0, , .		9
118	Input power dividing of Doherty power amplifiers for handset applications. , 2009, , .		9
119	A 2.655 GHz 3-stage Doherty power amplifier using envelope tracking technique. , 2010, , .		9
120	Mitigating Phase Variation of Peaking Amplifier Using Offset Line. IEEE Microwave and Wireless Components Letters, 2016, 26, 149-151.	2.0	9
121	Linear CMOS power amplifier at Ka-band with ultra-wide video bandwidth. , 2017, , .		9
122	1/f noise characteristics of AlGaAs/GaAs heterojunction bipolar transistor with a noise corner frequency below 1 kHz. IEEE Electron Device Letters, 1996, 17, 65-68.	2.2	8
123	New collector undercut technique using a SiN sidewall for low base contact resistance in InP/InGaAs SHBTs. IEEE Transactions on Electron Devices, 2002, 49, 1079-1082.	1.6	8
124	Advanced design methods of Doherty amplifier for wide bandwidth, high efficiency base station power amplifiers. , 2005, , .		8
125	High efficiency hybrid EER transmitter for WCDMA application using optimized power amplifier. , 2007, , .		8
126	A Parallel Power Amplifier With a Novel Mode Switching Control. IEEE Microwave and Wireless Components Letters, 2008, 18, 200-202.	2.0	8

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127	A Noise Optimized Passive Mixer for Charge-Domain Sampling Applications. Journal of Electromagnetic Waves and Applications, 2009, 23, 1909-1917.	1.0	8
128	Multi-band/multi-mode and efficient transmitter based on a Doherty Power Amplifier. , 2012, , .		8
129	GaN HEMT based Doherty amplifier for 3.5-GHz WiMAX Applications. , 2007, , .		7
130	A saturated PA with high efficiency [Technical Committee]. IEEE Microwave Magazine, 2009, 10, 126-133.	0.7	7
131	Hybrid EER transmitter using highly efficient saturated power amplifier for 802.16e mobile WiMAX application. , 2009, , .		7
132	Sequential Digital Predistortion for Two-stage Envelope Tracking Power Amplifier. IEEE Microwave and Wireless Components Letters, 2013, 23, 620-622.	2.0	7
133	GaN MMIC broadband Doherty power amplifier. , 2013, , .		7
134	Transformer based dual-power-mode CMOS power amplifier for handset applications. , 2014, , .		7
135	Dynamic feedback and biasing for a linear CMOS power amplifier with envelope tracking. , 2014, , .		7
136	Highly linear envelope tracking power amplifier with simple correction circuit. , 2015, , .		7
137	Low 1/f noise characteristics of AlGaAs/GaAs heterojunction bipolar transistor with electrically abrupt emitter-base junction. IEEE Electron Device Letters, 1997, 18, 60-62.	2.2	6
138	SDR transmitter based on LINC amplifier with bias control. , 0, , .		6
139	A new planar-type dielectric resonator using LTCC technology for mm-wave band applications. Microwave and Optical Technology Letters, 2005, 44, 533-536.	0.9	6
140	Predistortion Power Amplifier for Base-Station using a Feedforward Loop Linearizer. , 2006, , .		6
141	Doherty Linear Power Amplifiers for Mobile Handset Applications. , 2007, , .		6
142	A New Adaptive Digital Predistortion Technique Employing Feedback Technique. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	6
143	Class-AB/F Doherty Power Amplifiers. , 2008, , .		6
144	A 45/46/34% PAE linear polar transmitter for EDGE/WCDMA/Mobile-WiMax. , 2009, , .		6

#	ARTICLE	IF	CITATIONS
145	Challenges and directions of ultra low energy wireless sensor nodes for biosignal monitoring. , 2012, , .		6
146	A Handy Dandy Doherty PA: A Linear Doherty Power Amplifier for Mobile Handset Application. IEEE Microwave Magazine, 2017, 18, 110-124.	0.7	6
147	A new simple extraction method for higher order components of channel current in GaAs MESFET. , 1997, , .		5
148	Second order nonlinearity analysis of Gilbert mixer. , 0, , .		5
149	The fullyâ€integrated CMOS RF power amplifier using the semilumped transformer. Microwave and Optical Technology Letters, 2008, 50, 2857-2860.	0.9	5
150	Modified Small Asymmetric Impedance Transformers. , 2008, , .		5
151	1.6–2.1 GHz broadband Doherty power amplifiers for LTE handset applications. , 2011, , .		5
152	Optimized peaking amplifier of Doherty amplifier using an inductive input second harmonic load. , 2016, , .		5
153	Linear PA at mm-Wave band for 5G application. , 2017, , .		5
154	Measurement of Memory Effect of High-Power Si LDMOSFET Amplifier Using Two-tone Phase Evaluation. , 2001, , .		4
155	A novel extraction method for the higher order components of channel current in a GaAs MESFET. Microwave and Optical Technology Letters, 2001, 29, 114-117.	0.9	4
156	Low-phase-noise CMOS VCO with harmonically tuned LC tank. Microwave and Optical Technology Letters, 2004, 42, 164-167.	0.9	4
157	Coupling-compensated 180° phase shift coupled-Line filters terminated in arbitrary impedances. , 2006, , .		4
158	High-Efficiency Push–Pull Power Amplifier With High Operation Voltage. IEEE Microwave and Wireless Components Letters, 2007, 17, 382-384.	2.0	4
159	A planar-type dielectric resonator and filter using LTCC process. Microwave and Optical Technology Letters, 2007, 49, 578-581.	0.9	4
160	Envelope injection consideration of high power hybrid EER transmitter for IEEE 802.16e mobile WiMAX application. , 2008, , .		4
161	A wideband linear CMOS power amplifier design for 2.3-GHz and 2.6-GHz m-WiMAX system. , 2010, , .		4
162	A multi-mode envelope tracking power amplifier for software defined radio transmitters. , 2010, , .		4

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163	A passive mixer-first receiver front-end without external components for mobile TV applications. , 2013, , .		4
164	Development of a highly efficient and linear differential CMOS power amplifier with harmonic control. , 2013, , .		4
165	CMOS Power Amplifier on Top of Embedded Transformer for Compact Module. IEEE Microwave and Wireless Components Letters, 2015, 25, 678-680.	2.0	4
166	Ultra-Low Power Direct-Conversion 16 QAM Transmitter Based on Doherty Power Amplifier. IEEE Microwave and Wireless Components Letters, 2016, 26, 528-530.	2.0	4
167	Wideband duplexer based on electrical balance of hybrid transformer having two notches. Electronics Letters, 2016, 52, 1151-1153.	0.5	4
168	Adaptive RF Cartesian predistorter based on the low frequency even order IM terms. , 0, , .		3
169	Monolithic Ka-band VCO with wide tuning range. , 2002, , .		3
170	An improved silicon RF LDMOSFET model with a new extraction method for nonlinear drift resistance. , 0, , .		3
171	Investigation on wideband digital feedback predistortion technique for mobile WiMAX multicarrier applications. Microwave and Optical Technology Letters, 2008, 50, 3048-3052.	0.9	3
172	A highly efficient class- EF power amplifier for wideband linear power amplifier applications. Microwave and Optical Technology Letters, 2009, 51, 2323-2326.	0.9	3
173	Wideband envelope amplifier for envelope-tracking operation of handset power amplifier. , 2014, , .		3
174	Advanced design of differential CMOS PA. , 2014, , .		3
175	An HBT Saturated Power Amplifier With Minimized Knee Effect for Envelope Tracking Operation. IEEE Microwave and Wireless Components Letters, 2015, 25, 544-546.	2.0	3
176	Reconfigurable 4 channel carrier aggregation receiver using harmonic recombination technique. , 2016, , .		3
177	Optimization of idle current in envelope tracking power amplifier for efficiency and linearity. , 2016, , .		3
178	Saturated PAs for High Efficiency: Operation of Saturated Amplifiers Having the Optimum Voltage Waveform to Achieve Maximum Efficiency. IEEE Microwave Magazine, 2018, 19, 116-133.	0.7	3
179	Introduction to Doherty Power Amplifier. , 2018, , 1-30.		3
180	A novel higher order extending method in a MESFET channel current model for Volterra series analysis. Microwave and Optical Technology Letters, 1999, 20, 292-295.	0.9	2

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181	Measurement and Modeling of Two Tone Transfer Characteristics of High Power Amplifiers. , 2000, , .		2
182	A Heterojunction Bipolar Transistor Large-signal Model Focused on the Saturation Region. , 2002, , .		2
183	A Low Phase Noise 2 GHz VCO using 0.13 μm CMOS process. , 0, , .		2
184	RF Power Amplifiers for Emerging Wireless Communications: Single Branch Vs. Multi-Branch Architectures. , 2006, , .		2
185	A μC -Digitized RF Transmitter. , 2007, , .		2
186	Wide-band CMOS loop-through amplifier for Cable TV tuner. , 2008, , .		2
187	Optimized design of wideband transformer for handset CMOS power amplifier application. , 2008, , .		2
188	Optimized envelope tracking operation of Doherty power amplifier. , 2009, , .		2
189	Digital RF receiver front-end with wideband operation capability for m-WiMAX. , 2011, , .		2
190	Highly efficient 3-stage Doherty power amplifier using gate bias adaption. International Journal of Microwave and Wireless Technologies, 2011, 3, 47-58.	1.5	2
191	A low/high-mode power amplifier with envelope-tracking operation. , 2012, , .		2
192	Effect of input second harmonic control for saturated amplifier. , 2012, , .		2
193	Highly efficient digital quadrature transmitter with dual VDD and dynamic cell selection. Electronics Letters, 2016, 52, 2044-2046.	0.5	2
194	The effect of parasitic components of GaAs FETs on high-frequency gain. Microwave and Optical Technology Letters, 1993, 6, 98-101.	0.9	1
195	A new predistortion linearizer using low frequency even order IM components. , 0, , .		1
196	New linearization method for the modulated signals with high peak-to-average ratio: peak-to-average ratio reduction and expansion. , 0, , .		1
197	A new adaptive feedforward amplifier using imperfect signal cancellation. , 0, , .		1
198	Linearity analysis of CMOS for RF application. , 0, , .		1

#	ARTICLE	IF	CITATIONS
199	Second order nonlinearity analysis of Gilbert mixer. , 0, , .		1
200	A Single-Chip Multi-Mode RF Front-End Circuit and Module for W-CDMA, PCS, and GPS Applications. , 0, , .		1
201	GaN HEMT based Doherty amplifier for 3.5-GHz WiMAX applications. , 2007, , .		1
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