

Bumman Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7074178/publications.pdf>

Version: 2024-02-01

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	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
2	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
3	Introduction to Doherty Power Amplifier. , 2018, , 1-30.		3
4	Realization of Proper Load Modulation Using a Real Transistor. , 2018, , 31-63.		0
5	Linear Doherty Power Amplifier for Handset Application. , 2018, , 141-170.		0
6	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
7	Efficient Digital Quadrature Transmitter Based on IQ Cell Sharing. IEEE Journal of Solid-State Circuits, 2017, 52, 1345-1357.	3.5	55
8	A Handy Dandy Doherty PA: A Linear Doherty Power Amplifier for Mobile Handset Application. IEEE Microwave Magazine, 2017, 18, 110-124.	0.7	6
9	Linear PA at mm-Wave band for 5G application. , 2017, , .		5
10	Linear CMOS power amplifier at Ka-band with ultra-wide video bandwidth. , 2017, , .		9
11	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
12	Reconfigurable 4 channel carrier aggregation receiver using harmonic recombination technique. , 2016, , .		3
13	Optimized peaking amplifier of Doherty amplifier using an inductive input second harmonic load. , 2016, , .		5
14	Optimization of idle current in envelope tracking power amplifier for efficiency and linearity. , 2016, , .		3
15	Voltage-Combined CMOS Doherty Power Amplifier Based on Transformer. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3612-3622.	2.9	33
16	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
17	Linear Doherty power amplifier with adaptive bias circuit for average power-tracking. , 2016, , .		19
18	Wideband duplexer based on electrical balance of hybrid transformer having two notches. Electronics Letters, 2016, 52, 1151-1153.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Highly Linear mm-Wave CMOS Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 4535-4544.	2.9	133
20	Mitigating Phase Variation of Peaking Amplifier Using Offset Line. IEEE Microwave and Wireless Components Letters, 2016, 26, 149-151.	2.0	9
21	High-Performance CMOS Power Amplifier With Improved Envelope Tracking Supply Modulator. IEEE Transactions on Microwave Theory and Techniques, 2016, , 1-12.	2.9	27
22	Highly efficient digital quadrature transmitter with dual VDD and dynamic cell selection. Electronics Letters, 2016, 52, 2044-2046.	0.5	2
23	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
24	Highly linear envelope tracking power amplifier with simple correction circuit. , 2015, , .		7
25	Compact design of linear Doherty power amplifier with harmonic control for handset applications. , 2015, , .		11
26	CMOS Power Amplifier on Top of Embedded Transformer for Compact Module. IEEE Microwave and Wireless Components Letters, 2015, 25, 678-680.	2.0	4
27	A highly linear dual-band Doherty power amplifier for femto-cell base stations. , 2015, , .		11
28	The Doherty Power Amplifier: Review of Recent Solutions and Trends. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 559-571.	2.9	181
29	Analysis of Average Power Tracking Doherty Power Amplifier. IEEE Microwave and Wireless Components Letters, 2015, 25, 481-483.	2.0	10
30	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
31	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
32	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
33	Wideband envelope amplifier for envelope-tracking operation of handset power amplifier. , 2014, , .		3
34	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
35	Transformer based dual-power-mode CMOS power amplifier for handset applications. , 2014, , .		7
36	Transformer based dual-power-mode CMOS power amplifier for handset applications. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	Wideband envelope amplifier for envelope-tracking operation of handset power amplifier. , 2014, , .		0
38	Broadband Saturated Power Amplifier With Harmonic Control Circuits. IEEE Microwave and Wireless Components Letters, 2014, 24, 185-187.	2.0	59
39	Fully Integrated CMOS Saturated Power Amplifier With Simple Digital Predistortion. IEEE Microwave and Wireless Components Letters, 2014, 24, 533-535.	2.0	17
40	Dynamic feedback and biasing for a linear CMOS power amplifier with envelope tracking. , 2014, , .		7
41	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
42	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
43	Advanced design of differential CMOS PA. , 2014, , .		3
44	Complementary metal-oxide semiconductor Doherty power amplifier based on voltage combining method. IET Microwaves, Antennas and Propagation, 2014, 8, 131-136.	0.7	12
45	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
46	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
47	Impact of Nonlinear S_{bc} on HBT Doherty Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3298-3307.	2.9	18
48	Linearization of CMOS Cascode Power Amplifiers Through Adaptive Bias Control. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 4534-4543.	2.9	65
49	Envelope-Tracking CMOS Power Amplifier Module for LTE Applications. IEEE Transactions on Microwave Theory and Techniques, 2013, 61, 3763-3773.	2.9	70
50	A passive mixer-first receiver front-end without external components for mobile TV applications. , 2013, , .		4
51	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
52	Sequential Digital Predistortion for Two-stage Envelope Tracking Power Amplifier. IEEE Microwave and Wireless Components Letters, 2013, 23, 620-622.	2.0	7
53	Accurate dB-Linear Variable Gain Amplifier With Gain Error Compensation. IEEE Journal of Solid-State Circuits, 2013, 48, 456-464.	3.5	66
54	Push the Envelope: Design Concepts for Envelope-Tracking Power Amplifiers. IEEE Microwave Magazine, 2013, 14, 68-81.	0.7	118

#	ARTICLE	IF	CITATIONS
55	Analysis and design of CMOS Doherty power amplifier using voltage combining method. , 2013, , .		13
56	Development of a highly efficient and linear differential CMOS power amplifier with harmonic control. , 2013, , .		4
57	GaN MMIC broadband saturated power amplifier. , 2013, , .		1
58	GaN MMIC broadband Doherty power amplifier. , 2013, , .		7
59	Challenges and directions of ultra low energy wireless sensor nodes for biosignal monitoring. , 2012, , .		6
60	A low/high-mode power amplifier with envelope-tracking operation. , 2012, , .		2
61	Effect of input second harmonic control for saturated amplifier. , 2012, , .		2
62	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
63	Behaviors of Class-F and Class- F^{-1} Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1937-1951.	2.9	80
64	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
65	Highly Efficient Saturated Power Amplifier. IEEE Microwave Magazine, 2012, 13, 125-131.	0.7	23
66	A 34% PAE, 26-dBm output power envelope-tracking CMOS power amplifier for 10-MHz BW LTE applications. , 2012, , .		28
67	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
68	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
69	Multi-band/multi-mode and efficient transmitter based on a Doherty Power Amplifier. , 2012, , .		8
70	A highly efficient asymmetric Doherty Power Amplifier with a new output combining circuit. , 2011, , .		30
71	Digital RF receiver front-end with wideband operation capability for m-WiMAX. , 2011, , .		2
72	A Multimode/Multiband Envelope Tracking Transmitter With Broadband Saturated Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3463-3473.	2.9	53

#	ARTICLE	IF	CITATIONS
73	A multimode/multiband envelope tracking transmitter with broadband saturated power amplifier. , 2011, , .		0
74	Class-E power amplifier optimization for operation above maximum frequency. , 2011, , .		1
75	1.6–2.1 GHz broadband Doherty power amplifiers for LTE handset applications. , 2011, , .		5
76	Design of Bandwidth-Enhanced Doherty Power Amplifiers for Handset Applications. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3474-3483.	2.9	96
77	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
78	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
79	Optimization for Envelope Shaped Operation of Envelope Tracking Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1787-1795.	2.9	102
80	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
81	Enhanced Hammerstein Behavioral Model for Broadband Wireless Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 924-933.	2.9	62
82	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
83	Design of Doherty Power Amplifiers for Handset Applications. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2134-2142.	2.9	54
84	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
85	A Multimode/Multiband Power Amplifier With a Boosted Supply Modulator. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2598-2608.	2.9	69
86	An optimum design of high-power amplifier with high efficiency using a realizable harmonic loading circuit. Microwave and Optical Technology Letters, 2010, 52, 818-822.	0.9	0
87	Doherty amplifier with envelope tracking for high efficiency. , 2010, , .		11
88	Envelope tracking power amplifier robust to battery depletion. , 2010, , .		11
89	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
90	High efficiency and wideband envelope tracking power amplifier with sweet spot tracking. , 2010, , .		30

#	ARTICLE	IF	CITATIONS
91	Analysis of Adaptive Digital Feedback Linearization Techniques. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 345-354.	3.5	24
92	Broadband HBT Doherty Power Amplifiers for Handset Applications. IEEE Transactions on Microwave Theory and Techniques, 2010, , .	2.9	35
93	A Saturated Doherty Power Amplifier Based On Saturated Amplifier. IEEE Microwave and Wireless Components Letters, 2010, 20, 109-111.	2.0	23
94	30.3% PAE HBT Doherty power amplifier for 2.5∼2.7 GHz mobile WiMAX. , 2010, , .		11
95	Advanced Doherty Architecture. IEEE Microwave Magazine, 2010, 11, 72-86.	0.7	69
96	A 2.655 GHz 3-stage Doherty power amplifier using envelope tracking technique. , 2010, , .		9
97	Investigation of a Class-J Power Amplifier With a Nonlinear $C_{m\ out}$ for Optimized Operation. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 2800-2811.	2.9	135
98	A wideband linear CMOS power amplifier design for 2.3-GHz and 2.6-GHz m-WiMAX system. , 2010, , .		4
99	A multi-mode envelope tracking power amplifier for software defined radio transmitters. , 2010, , .		4
100	Input power dividing of Doherty power amplifiers for handset applications. , 2009, , .		9
101	Optimized envelope tracking operation of Doherty power amplifier. , 2009, , .		2
102	Blocker filtering low-noise amplifier for SAW-less Bluetooth receiver system. International Journal of Microwave and Wireless Technologies, 2009, 1, 447-452.	1.5	1
103	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
104	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
105	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
106	Synergistic digital predistorter based on a low memory power amplifier for wideband linearization. Microwave and Optical Technology Letters, 2009, 51, 1548-1552.	0.9	1
107	A highly efficient classâ€F power amplifier for wideband linear power amplifier applications. Microwave and Optical Technology Letters, 2009, 51, 2323-2326.	0.9	3
108	A Noise Optimized Passive Mixer for Charge-Domain Sampling Applications. Journal of Electromagnetic Waves and Applications, 2009, 23, 1909-1917.	1.0	8

#	ARTICLE	IF	CITATIONS
109	A saturated PA with high efficiency [Technical Committee]. IEEE Microwave Magazine, 2009, 10, 126-133.	0.7	7
110	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
111	A wideband LNA with dual-feedback for TV tuner. , 2009, , .		0
112	Hybrid EER transmitter using highly efficient saturated power amplifier for 802.16e mobile WiMAX application. , 2009, , .		7
113	Non-decimation FIR filter for digital RF sampling receiver with wideband operation capability. , 2009, , .		19
114	A 45/46/34% PAE linear polar transmitter for EDGE/WCDMA/Mobile-WiMax. , 2009, , .		6
115	The fully”integrated CMOS RF power amplifier using the semilumped transformer. Microwave and Optical Technology Letters, 2008, 50, 2857-2860.	0.9	5
116	Investigation on wideband digital feedback predistortion technique for mobile WiMAX multicarrier applications. Microwave and Optical Technology Letters, 2008, 50, 3048-3052.	0.9	3
117	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
118	A New Wideband Adaptive Digital Predistortion Technique Employing Feedback Linearization. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 385-392.	2.9	65
119	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
120	Performance enhancement of linear power amplifier employing digital technique. , 2008, , .		0
121	A Parallel Power Amplifier With a Novel Mode Switching Control. IEEE Microwave and Wireless Components Letters, 2008, 18, 200-202.	2.0	8
122	Highly Efficient Three-Way Saturated Doherty Amplifier With Digital Feedback Predistortion. IEEE Microwave and Wireless Components Letters, 2008, 18, 539-541.	2.0	30
123	A Wideband Envelope Tracking Doherty Amplifier for WiMAX Systems. IEEE Microwave and Wireless Components Letters, 2008, 18, 49-51.	2.0	45
124	Toward Integrated Circuit Size Reduction. IEEE Microwave Magazine, 2008, 9, 65-75.	0.7	46
125	Modified Small Asymmetric Impedance Transformers. , 2008, , .		5
126	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

#	ARTICLE	IF	CITATIONS
127	Wide-band CMOS loop-through amplifier for Cable TV tuner. , 2008, , .		2
128	Optimized design of wideband transformer for handset CMOS power amplifier application. , 2008, , .		2
129	Envelope injection consideration of high power hybrid EER transmitter for IEEE 802.16e mobile WiMAX application. , 2008, , .		4
130	Class-AB/F Doherty Power Amplifiers. , 2008, , .		6
131	GaN HEMT based Doherty amplifier for 3.5-GHz WiMAX applications. , 2007, , .		1
132	GaN HEMT based Doherty amplifier for 3.5-GHz WiMAX Applications. , 2007, , .		7
133	GaN HEMT Based Doherty Amplifier for 3.5-GHz WiMAX Applications. , 2007, , .		10
134	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
135	A Low Phase Noise LC VCO in 65 nm CMOS Process Using Rectangular Switching Technique. IEEE Microwave and Wireless Components Letters, 2007, 17, 610-612.	2.0	14
136	A Δ -Digitized RF Transmitter. , 2007, , .		2
137	High efficiency hybrid EER transmitter for WCDMA application using optimized power amplifier. , 2007, , .		8
138	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
139	High-Efficiency Push-Pull Power Amplifier With High Operation Voltage. IEEE Microwave and Wireless Components Letters, 2007, 17, 382-384.	2.0	4
140	Doherty Linear Power Amplifiers for Mobile Handset Applications. , 2007, , .		6
141	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
142	A Δ -Digitized Polar RF Transmitter. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 2679-2690.	2.9	82
143	A planar-type dielectric resonator and filter using LTCC process. Microwave and Optical Technology Letters, 2007, 49, 578-581.	0.9	4
144	A ring filter switch for a low loss wideband and very sharp bandstop filter. Microwave and Optical Technology Letters, 2007, 49, 2828-2830.	0.9	1

#	ARTICLE	IF	CITATIONS
145	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
146	Adaptive Digital Feedback Predistortion Technique for Linearizing Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 932-940.	2.9	97
147	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
148	Doherty linear power amplifiers for mobile handset applications. , 2006, , .		0
149	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
150	Microwave Doherty Power Amplifier for High Efficiency and Linearity. , 2006, , .		20
151	The Doherty power amplifier. IEEE Microwave Magazine, 2006, 7, 42-50.	0.7	270
152	Predistortion Power Amplifier for Base-Station using a Feedforward Loop Linearizer. , 2006, , .		6
153	Coupling-compensated 180° phase shift coupled-Line filters terminated in arbitrary impedances. , 2006, , .		4
154	Transmission-line directional couplers for impedance transforming. IEEE Microwave and Wireless Components Letters, 2006, 16, 537-539.	2.0	20
155	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
156	A Ultra-High PAE Doherty Amplifier Based on $0.13\text{-}\mu\text{m}$ CMOS Process. IEEE Microwave and Wireless Components Letters, 2006, 16, 505-507.	2.0	37
157	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
158	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
159	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
160	Highly efficient LDMOS power amplifier based on class-E topology. Microwave and Optical Technology Letters, 2006, 48, 789-791.	0.9	13
161	RF Power Amplifiers for Emerging Wireless Communications: Single Branch Vs. Multi-Branch Architectures. , 2006, , .		2
162	An optimized design of distributed active transformer. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 380-388.	2.9	49

#	ARTICLE	IF	CITATIONS
163	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
164	Direct Parameter Extraction of SiGe HBTs for the VBIC Bipolar Compact Model. IEEE Transactions on Electron Devices, 2005, 52, 375-384.	1.6	82
165	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
166	CDMA handset power amplifier with diode load modulator. , 2005, , .		0
167	Advanced design methods of Doherty amplifier for wide bandwidth, high efficiency base station power amplifiers. , 2005, , .		8
168	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
169	Low-phase-noise CMOS VCO with harmonically tuned LC tank. Microwave and Optical Technology Letters, 2004, 42, 164-167.	0.9	4
170	Linearity analysis of CMOS for RF application. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 972-977.	2.9	137
171	A fully matched N-way doherty amplifier with optimized linearity. IEEE Transactions on Microwave Theory and Techniques, 2003, 51, 986-993.	2.9	193
172	Ka-band PHEMT MMIC VCO with wide tuning range. Microwave and Optical Technology Letters, 2003, 39, 333-336.	0.9	0
173	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
174	Ultra high-speed InP-InGaAs SHBTs with $f_{sub\ max}$ of 478 GHz. IEEE Electron Device Letters, 2003, 24, 384-386.	2.2	13
175	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
176	Monolithic Ka-band VCO with wide tuning range. , 2002, , .		3
177	A Heterojunction Bipolar Transistor Large-signal Model Focused on the Saturation Region. , 2002, , .		2
178	Analysis of nonlinear behavior of power HBTs. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 1714-1722.	2.9	44
179	New predistortion linearizer using low-frequency even-order intermodulation components. IEEE Transactions on Microwave Theory and Techniques, 2002, 50, 446-452.	2.9	31
180	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

#	ARTICLE	IF	CITATIONS
181	Measurement of Memory Effect of High-Power Si LDMOSFET Amplifier Using Two-tone Phase Evaluation. , 2001, , .		4
182	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
183	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
184	Measurement of two-tone transfer characteristics of high-power amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2001, 49, 568-571.	2.9	49
185	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
186	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
187	New Linearization Method of Mixer Using Harmonic Feed-forwarding Technique. , 2000, , .		0
188	Measurement and Modeling of Two Tone Transfer Characteristics of High Power Amplifiers. , 2000, , .		2
189	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
190	A new linear amplifier using low-frequency second-order intermodulation component feedforwarding. , 1999, 9, 419-421.		35
191	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
192	A new simple extraction method for higher order components of channel current in GaAs MESFET. , 1997, , .		5
193	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
194	$1/f$ 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
195	A highly accurate MESFET model to predict the nonlinear behavior of a linear power amplifier. Microwave and Optical Technology Letters, 1996, 13, 184-186.	0.9	0
196	The effect of parasitic components of GaAs FETs on high-frequency gain. Microwave and Optical Technology Letters, 1993, 6, 98-101.	0.9	1
197	A new predistortion linearizer using low frequency even order IM components. , 0, , .		1
198	Analog predistortion linearizer for high power rf amplifier. , 0, , .		44

#	ARTICLE	IF	CITATIONS
199	Digital controlled adaptive feedforward amplifier for IMT-2000 band. , 0, , .		16
200	Effect of efficiency optimization on linearity of LINC amplifiers with CDMA signal. , 0, , .		16
201	Adaptive RF Cartesian predistorter based on the low frequency even order IM terms. , 0, , .		3
202	Experimental investigation on efficiency and linearity of microwave Doherty amplifier. , 0, , .		11
203	New linearization method for the modulated signals with high peak-to-average ratio: peak-to-average ratio reduction and expansion. , 0, , .		1
204	Feedforward amplifier for WCDMA base stations with a new adaptive control method. , 0, , .		13
205	A new adaptive feedforward amplifier using imperfect signal cancellation. , 0, , .		1
206	Linearity analysis of CMOS for RF application. , 0, , .		0
207	A modified cascode type low noise amplifier using dual common source transistors. , 0, , .		12
208	Linearity analysis of CMOS for RF application. , 0, , .		1
209	An adaptive bias controlled power amplifier with a load-modulated combining scheme for high efficiency and linearity. , 0, , .		22
210	SDR transmitter based on LINC amplifier with bias control. , 0, , .		6
211	Second order nonlinearity analysis of Gilbert mixer. , 0, , .		5
212	Second order nonlinearity analysis of Gilbert mixer. , 0, , .		1
213	Linear power amplifier based on 3-way Doherty amplifier with predistorter. , 0, , .		22
214	CDMA handset power amplifier with a switched output matching circuit for low/high power mode operations. , 0, , .		10
215	Highly efficient power amplifier for CDMA base stations using doherty configuration. , 0, , .		12
216	An improved silicon RF LDMOSFET model with a new extraction method for nonlinear drift resistance. , 0, , .		3

#	ARTICLE	IF	CITATIONS
217	A Low Phase Noise 2 GHz VCO using 0.13 μm CMOS process. , 0, , .		2
218	Differential CMOS linear power amplifier with 2nd harmonic termination at common source node. , 0, , .		15
219	A Single-Chip Multi-Mode RF Front-End Circuit and Module for W-CDMA, PCS, and GPS Applications. , 0, , .		1
220	Fully Integrated Doherty Power Amplifiers for 5 GHz Wireless-LANs. , 0, , .		9