Junghwan Moon

List of Publications by Year
in descending order

50 papers	1,585 citations	279487 23 h-index	360668 35 g-index
50 all docs	50 docs citations	50 times ranked	922 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	Asymmetric Broadband Doherty Power Amplifier Using GaN MMIC for Femto-Cell Base-Station. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 2802-2810.	2.9	49
5	Broadband Saturated Power Amplifier With Harmonic Control Circuits. IEEE Microwave and Wireless Components Letters, 2014, 24, 185-187.	2.0	59
6	Fully Integrated CMOS Saturated Power Amplifier With Simple Digital Predistortion. IEEE Microwave and Wireless Components Letters, 2014, 24, 533-535.	2.0	17
7	Effect of input second harmonic control for saturated amplifier. , 2012, , .		2
8	Behaviors of Class-F and Class-${hbox{F}}^{-1}$ Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1937-1951.	2.9	80
9	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
10	Highly Efficient Saturated Power Amplifier. IEEE Microwave Magazine, 2012, 13, 125-131.	0.7	23
11	2-D enhanced hammerstein behavior model for concurrent dual-band power amplifiers. , 2012, , .		10
12	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
13	Multi-band/multi-mode and efficient transmitter based on a Doherty Power Amplifier. , 2012, , .		8
14	A highly efficient asymmetric Doherty Power Amplifier with a new output combining circuit. , 2011, , .		30
15	A multimode/multiband envelope tracking transmitter with broadband saturated amplifier. , 2011, , .		0
16	A Multimode/Multiband Envelope Tracking Transmitter With Broadband Saturated Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 3463-3473.	2.9	53
17	A multimode/multiband envelope tracking transmitter with broadband saturated power amplifier. , 2011, , .		0
18	Class-E power amplifier optimization for operation above maximum frequency. , 2011, , .		1

#	Article	IF	Citations
19	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
20	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
21	Enhanced Hammerstein Behavioral Model for Broadband Wireless Transmitters. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 924-933.	2.9	62
22	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
23	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
24	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
25	Doherty amplifier with envelope tracking for high efficiency. , 2010, , .		11
26	Analysis of Adaptive Digital Feedback Linearization Techniques. IEEE Transactions on Circuits and Systems I: Regular Papers, 2010, 57, 345-354.	3.5	24
27	Broadband HBT Doherty Power Amplifiers for Handset Applications. IEEE Transactions on Microwave Theory and Techniques, 2010, , .	2.9	35
28	A Saturated Doherty Power Amplifier Based On Saturated Amplifier. IEEE Microwave and Wireless Components Letters, 2010, 20, 109-111.	2.0	23
29	Advanced Doherty Architecture. IEEE Microwave Magazine, 2010, 11, 72-86.	0.7	69
30	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
31	A wideband linear CMOS power amplifier design for 2.3-GHz and 2.6-GHz m-WiMAX system. , 2010, , .		4
32	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
33	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
34	A saturated PA with high efficiency [Technical Committee]. IEEE Microwave Magazine, 2009, 10, 126-133.	0.7	7
35	Optimized Envelope Shaping for Hybrid EER Transmitter of Mobile WiMAXâ€" Optimized ET Operation. IEEE Microwave and Wireless Components Letters, 2009, 19, 335-337.	2.0	23
36	Hybrid EER transmitter using highly efficient saturated power amplifier for 802.16e mobile WiMAX application. , 2009, , .		7

#	Article	IF	Citations
37	Investigation on wideband digital feedback predistortion technique for mobile WiMAX multicarrier applications. Microwave and Optical Technology Letters, 2008, 50, 3048-3052.	0.9	3
38	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
39	A New Wideband Adaptive Digital Predistortion Technique Employing Feedback Linearization. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 385-392.	2.9	65
40	Highly Efficient Three-Way Saturated Doherty Amplifier With Digital Feedback Predistortion. IEEE Microwave and Wireless Components Letters, 2008, 18, 539-541.	2.0	30
41	A Wideband Envelope Tracking Doherty Amplifier for WiMAX Systems. IEEE Microwave and Wireless Components Letters, 2008, 18, 49-51.	2.0	45
42	High-Efficiency Hybrid EER Transmitter Using Optimized Power Amplifier. IEEE Transactions on Microwave Theory and Techniques, 2008, 56, 2582-2593.	2.9	73
43	Envelope injection consideration of high power hybrid EER transmitter for IEEE 802.16e mobile WiMAX application. , 2008, , .		4
44	GaN HEMT based Doherty amplifier for 3.5-GHz WiMAX applications. , 2007, , .		1
45	GaN HEMT based Doherty amplifier for 3.5-GHz WiMAX Applications. , 2007, , .		7
46	GaN HEMT Based Doherty Amplifier for 3.5-GHz WiMAX Applications. , 2007, , .		10
47	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
48	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
49	Adaptive Digital Feedback Predistortion Technique for Linearizing Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 932-940.	2.9	97
50	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