

Ji-Seon Paek

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Millimeter-Wave Frequency Reconfigurable Dual-Band CMOS Power Amplifier for 5G Communication Radios. IEEE Transactions on Microwave Theory and Techniques, 2022, 70, 801-812.	4.6	12
2	Efficient RF-PA Two-Chip Supply Modulator Architecture for 4G LTE and 5G NR Dual-Connectivity RF Front End. IEEE Journal of Solid-State Circuits, 2022, 57, 1075-1089.	5.4	3
3	A 1.23W/mm ² 83.7%-Efficiency 400MHz 6-Phase Fully Integrated Buck Converter in 28nm CMOS with On-Chip Capacitor Dynamic Re-Allocation for Inter-Inductor Current Balancing and Fast DVS of 75mV/ns. , 2022, , .		3
4	2-Tx Digital Envelope-Tracking Supply Modulator Achieving 200MHz Channel Bandwidth and 93.6% Efficiency for 2G/3G/LTE/NR RF Power Amplifiers. , 2022, , .		5
5	33.9 A Hybrid Switching Supply Modulator Achieving 130MHz Envelope-Tracking Bandwidth and 10W Output Power for 2G/3G/LTE/NR RF Power Amplifiers. , 2021, , .		10
6	A 5G New Radio SAW-less RF Transmitter with a 100MHz Envelope Tracking HPUE n77 Power Amplifier Module. , 2021, , .		4
7	Efficient RF-PA Two-Chip Supply Modulator Architecture for 4G LTE and 5G NR Dual-Connectivity RF Front-End. , 2021, , .		2
8	Frequency Reconfigurable Dual-Band CMOS Power Amplifier for Millimeter-Wave 5G Communications. , 2021, , .		3
9	11.7 A Voltage-Tolerant Three-Level Buck-Boost DC-DC Converter with Continuous Transfer Current and Flying Capacitor Soft Charger Achieving 96.8% Power Efficiency and 0.87 μ s/V DVS Rate. , 2020, , .		22
10	15.2 A 90ns/V Fast-Transition Symbol-Power-Tracking Buck Converter for 5G mm-Wave Phased-Array Transceiver. , 2019, , .		6
11	15.1 An 88%-Efficiency Supply Modulator Achieving 1.08 μ s/V Fast Transition and 100MHz Envelope-Tracking Bandwidth for 5G New Radio RF Power Amplifier. , 2019, , .		15
12	Design of Boosted Supply Modulator With Reverse Current Protection for Wide Battery Range in Envelope Tracking Operation. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 183-194.	4.6	12
13	A 2TX supply modulator for envelope-tracking power amplifier supporting intra- and inter-band uplink carrier aggregation and power class-2 high-power user equipment. , 2018, , .		15
14	Wide battery range supply modulator with reverse current protection in envelope tracking operation. , 2017, , .		5
15	20.7 An RF-PA supply modulator achieving 83% efficiency and $\hat{a}^{\sim}136$ dBm/Hz noise for LTE-40MHz and GSM 35dBm applications. , 2016, , .		20
16	A $\hat{a}^{\sim}137$ dBm/Hz Noise, 82% Efficiency AC-Coupled Hybrid Supply Modulator With Integrated Buck-Boost Converter. IEEE Journal of Solid-State Circuits, 2016, 51, 2757-2768.	5.4	29
17	Envelope Modulator for 1.5W 10MHz LTE PA without AC Coupling Capacitor achieving 86.5% Peak Efficiency. IEEE Transactions on Power Electronics, 2016, , 1-1.	7.9	15
18	86.55% Peak efficiency envelope modulator for 1.5W 10MHz LTE PA without AC coupling capacitor. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	2.7 A hybrid supply modulator with 10dB ET operation dynamic range achieving a PAE of 42.6% at 27.0dBm PA output power. , 2015, , .		18
20	Digitally controlled envelope modulator for a polar transmitter with low code-AM distortion. , 2011, , .		0
21	Analysis and Design of CMOS Amplitude Modulator With Digitally Controlled Variable Attenuator. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 727-740.	4.6	10
22	A 29 dBm 70.7% PAE Injection-Locked CMOS Power Amplifier for PWM Digitized Polar Transmitter. IEEE Microwave and Wireless Components Letters, 2010, 20, 637-639.	3.2	12
23	A 1.83 GHz 28.5 dBm CMOS Power Up-Mixer. IEEE Microwave and Wireless Components Letters, 2009, 19, 389-391.	3.2	2