

# Ji-Seon Paek

## List of Publications by Year in descending order

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papers

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citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	A $\hat{\sim}$ 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
2	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 $\hat{\mu}$ s/V DVS Rate. , 2020, , .		22
3	20.7 An RF-PA supply modulator achieving 83% efficiency and $\hat{\sim}$ 136dBm/Hz noise for LTE-40MHz and GSM 35dBm applications. , 2016, , .		20
4	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
5	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
6	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
7	15.1 An 88%-Efficiency Supply Modulator Achieving 1.08 $\hat{1}$ / <sub>4</sub> s/V Fast Transition and 100MHz Envelope-Tracking Bandwidth for 5G New Radio RF Power Amplifier. , 2019, , .		15
8	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
9	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
10	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
11	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
12	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
13	15.2 A 90ns/V Fast-Transition Symbol-Power-Tracking Buck Converter for 5G mm-Wave Phased-Array Transceiver. , 2019, , .		6
14	Wide battery range supply modulator with reverse current protection in envelope tracking operation. , 2017, , .		5
15	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
16	A 5G New Radio SAW-less RF Transmitter with a 100MHz Envelope Tracking HPUE n77 Power Amplifier Module. , 2021, , .		4
17	86.55% Peak efficiency envelope modulator for 1.5W 10MHz LTE PA without AC coupling capacitor. , 2015, , .		3
18	Frequency Reconfigurable Dual-Band CMOS Power Amplifier for Millimeter-Wave 5G Communications. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
19	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
20	A 1.23W/mm <sup>2</sup> 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
21	A 1.83 GHz 28.5 dBm CMOS Power Up-Mixer. IEEE Microwave and Wireless Components Letters, 2009, 19, 389-391.	3.2	2
22	Efficient RF-PA Two-Chip Supply Modulator Architecture for 4G LTE and 5G NR Dual-Connectivity RF Front-End. , 2021, , .		2
23	Digitally controlled envelope modulator for a polar transmitter with low code-AM distortion. , 2011, , .		0