

Doohwan Jung

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Buffer-Less Wideband Frequency Doubler in 45-nm CMOS-SOI With Transistor Multiport Waveform Shaping Achieving 25% Drain Efficiency and 46â€“89 GHz Instantaneous Bandwidth. IEEE Solid-State Circuits Letters, 2019, 2, 25-28.	2.0	31
2	A CMOS Highly Linear Doherty Power Amplifier With Multigated Transistors. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 1883-1891.	4.6	31
3	Intracellular cardiomyocytes potential recording by planar electrode array and fibroblasts co-culturing on multi-modal CMOS chip. Biosensors and Bioelectronics, 2019, 144, 111626.	10.1	27
4	A CMOS 1.2-V Hybrid Current- and Voltage-Mode Three-Way Digital Doherty PA With Built-In Phase Nonlinearity Compensation. IEEE Journal of Solid-State Circuits, 2020, 55, 525-535.	5.4	22
5	A MM-Wave Current-Mode Inverse Outphasing Transmitter Front-End: A Circuit Duality of Conventional Voltage-Mode Outphasing. IEEE Journal of Solid-State Circuits, 2021, 56, 1732-1744.	5.4	18
6	Impedance Characterization and Modeling of Subcellular to Micro-sized Electrodes with Varying Materials and PEDOT:PSS Coating for Bioelectrical Interfaces. ACS Applied Electronic Materials, 2021, 3, 5226-5239.	4.3	16
7	28.4 A CMOS Multimodality In-Pixel Electrochemical and Impedance Cellular Sensing Array for Massively Paralleled Synthetic Exoelectrogen Characterization. , 2020, , .		14
8	A 21952-Pixel Multi-Modal CMOS Cellular Sensor Array with 1568-Pixel Parallel Recording and 4-Point Impedance Sensing. , 2019, , .		10
9	A CMOS 21 952-Pixel Multi-Modal Cell-Based Biosensor With Four-Point Impedance Sensing for Holistic Cellular Characterization. IEEE Journal of Solid-State Circuits, 2021, 56, 2438-2451.	5.4	10
10	A CMOS 22k-pixel single-cell resolution multi-modality real-time cellular sensing array. , 2017, , .		8
11	A 1.2 V Single Supply Hybrid Current-/Voltage-Mode Three-Way Digital Doherty PA with Built-In Large-Signal Phase Compensation Achieving Less-Than 5Â° AM-PM. , 2019, , .		7
12	A Highly Linear Doherty Power Amplifier with Multigated Transistors Supporting 80MSymbol/s 256-QAM. , 2018, , .		2
13	A Compact Wideband Joint Bidirectional Class-G Digital Doherty Switched-Capacitor Transmitter and N-Path Quadrature Receiver through Capacitor Bank Sharing. , 2022, , .		2