

Christopher T Coen

List of Publications by Year in descending order

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378
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Analysis and Design of Low-Loss Single-Pole Double-Throw W-Band Switches Utilizing Saturated SiGe HBTs. IEEE Transactions on Microwave Theory and Techniques, 2014, 62, 2755-2767.	4.6	132
2	Design and On-Wafer Characterization of SiGe -Band SiGe HBT Low-Noise Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3631-3642.	4.6	27
3	A highly-efficient 138–170 GHz SiGe HBT frequency doubler for power-constrained applications. , 2016, , .		23
4	Best practices to ensure the stability of SiGe HBT cascode low noise amplifiers. , 2012, , .		18
5	A 60-GHz SiGe Radiometer Calibration Switch Utilizing a Coupled Avalanche Noise Source. IEEE Microwave and Wireless Components Letters, 2020, 30, 417-420.	3.2	18
6	A 1.0 V, 10–22 GHz, 4 mW LNA Utilizing Weakly Saturated SiGe HBTs for Single-Chip, Low-Power, Remote Sensing Applications. IEEE Microwave and Wireless Components Letters, 2014, 24, 890-892.	3.2	17
7	An Investigation of Single-Event Effect Modeling Techniques for a SiGe RF Low-Noise Amplifier. IEEE Transactions on Nuclear Science, 2016, 63, 273-280.	2.0	16
8	A Low-Loss Broadband Quadrature Signal Generation Network for High Image Rejection at Millimeter-Wave Frequencies. IEEE Transactions on Microwave Theory and Techniques, 2018, 66, 5336-5346.	4.6	13
9	An Ultra-Thin, High-Power, and Multilayer Organic Antenna Array With T/R Functionality in the SiGe -Band. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 3856-3867.	4.6	11
10	Utilizing SiGe HBT Power Detectors for Sensing Single-Event Transients in RF Circuits. IEEE Transactions on Nuclear Science, 2018, 65, 239-248.	2.0	8
11	Integrated silicon-germanium electronics for CubeSat-based radiometers. , 2013, , .		7
12	Millimeter-Wave SiGe Radiometer Front End With Transformer-Based Dicke Switch and On-Chip Calibration Noise Source. IEEE Journal of Solid-State Circuits, 2021, 56, 1464-1474.	5.4	7
13	A W-band integrated silicon-germanium loop-back and front-end transmit-receive switch for Built-in-self-test. , 2015, , .		4
14	A switchable-core SiGe HBT low-noise amplifier for millimeter-wave radiometer applications. , 2014, , .		2
15	A 19–34 GHz SiGe HBT square-law detector with ultra-low $1/f$ noise for atmospheric radiometers. , 2017, , .		2
16	A lightweight, 64-element, organic phased array with integrated transmit-receive SiGe circuitry in the X band. , 2011, , .		1
17	Ultra-low noise and low power 18.7 GHz radiometer LNAs in a 0.5 THz SiGe technology utilizing back-side etched inductors. , 2014, , .		1
18	Development of silicon-germanium circuits for high-frequency small satellite-based integrated radiometers. , 2014, , .		1