

Milad Frounchi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Triaxial Balun With Inherent Harmonic Reflection for Millimeter-Wave Frequency Doublers. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 2822-2831.	4.6	8
2	High Responsivity Ge Phototransistor in Commercial CMOS Si-Photonics Platform for Monolithic Optoelectronic Receivers. IEEE Electron Device Letters, 2021, 42, 196-199.	3.9	6
3	Optical Single-Event Transients Induced in Integrated Silicon-Photonic Waveguides by Two-Photon Absorption. IEEE Transactions on Nuclear Science, 2021, 68, 785-792.	2.0	14
4	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
5	Dual-Band Millimeter-Wave Quadrature LO Generation With a Common-Centroid Floorplan. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 260-264.	3.0	1
6	Response of Waveguide-Integrated Germanium-on-Silicon p-i-n Photodiodes to Neutron Displacement Damage. IEEE Transactions on Nuclear Science, 2020, 67, 296-304.	2.0	6
7	Electronic-to-Photonic Single-Event Transient Propagation in a Segmented Mach-Zehnder Modulator in a Si/SiGe Integrated Photonics Platform. IEEE Transactions on Nuclear Science, 2020, 67, 260-267.	2.0	3
8	A D-band SiGe Frequency Doubler with a Harmonic Reflector Embedded in a Triaxial Balun. , 2020, , .		4
9	A SiGe Millimeter-Wave Front-End for Remote Sensing and Imaging. , 2020, , .		3
10	A Co-integrated Silicon-Based Electronic-Photonic Wideband, High-Power Signal Source. , 2020, , .		0
11	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
12	Class-J ₂₃ Power Amplifiers. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 3664-3675.	5.4	7
13	Outstanding Conference Paper Award: 2018 IEEE Nuclear and Space Radiation Effects Conference. IEEE Transactions on Nuclear Science, 2019, 66, 13-15.	2.0	0
14	Optimizing Optical Parameters to Facilitate Correlation of Laser- and Heavy-Ion-Induced Single-Event Transients in SiGe HBTs. IEEE Transactions on Nuclear Science, 2019, 66, 359-367.	2.0	15
15	MicroNimbus: A CubeSat Mission for Millimeter-Wave Atmospheric Temperature Profiling. , 2018, , .		1
16	A K _a -Band SiGe Bootstrapped Gilbert Frequency Doubler With 26.2% PAE. IEEE Microwave and Wireless Components Letters, 2018, 28, 1122-1124.	3.2	9
17	A V-Band SiGe Image-Reject Receiver Front-End for Atmospheric Remote Sensing. , 2018, , .		6
18	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

#	ARTICLE	IF	CITATIONS
19	Waveform Engineering at Gate Node of Class-J Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 2409-2417.	4.6	23
20	Dual-Band Design of Integrated Class-J Power Amplifiers in GaAs pHEMT Technology. IEEE Transactions on Microwave Theory and Techniques, 2017, 65, 3034-3045.	4.6	22
21	Micronimbus: A cubesat temperature profilometer for the earth's atmosphere using a single-chip 60 GHz sige radiometer. , 2017, , .		2
22	Highly reliable 10W X/Ku-Band pHEMT monolithic microwave integrated circuit power amplifier. IET Microwaves, Antennas and Propagation, 2016, 10, 656-663.	1.4	7
23	On Design of Wideband Compact-Size Ka/Q-Band High-Power Amplifiers. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1831-1842.	4.6	26
24	A V-Band MMIC Doubler Using a 4th Harmonic Mixing Technique. IEEE Microwave and Wireless Components Letters, 2016, 26, 355-357.	3.2	6