

Jeffrey W Teng

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Variability in Total-Ionizing-Dose Response of Fourth-Generation SiGe HBTs. IEEE Transactions on Nuclear Science, 2021, 68, 949-957.	2.0	7
3	A Compact, High-Power, 60 GHz SPDT Switch Using Shunt-Series SiGe PIN Diodes. , 2019, , .		6
4	DC and RF Variability of SiGe HBTs Operating Down to Deep Cryogenic Temperatures. , 2019, , .		6
5	Variability of p-n Junctions and SiGe HBTs at Cryogenic Temperatures. IEEE Transactions on Electron Devices, 2021, 68, 987-993.	3.0	5
6	Operation of Current Mirrors in SiGe BiCMOS Technology at Cryogenic Temperatures. IEEE Transactions on Electron Devices, 2021, 68, 1439-1445.	3.0	5
7	Compact Modeling of SiGe HBTs for Design of Cryogenic Control and Readout Circuits for Quantum Computing. , 2020, , .		5
8	Using Machine Learning to Mitigate Single-Event Upsets in RF Circuits and Systems. IEEE Transactions on Nuclear Science, 2022, 69, 381-389.	2.0	1
9	Circuit-Level Safe-Operating-Area of a High-Speed SiGe BiCMOS Wireline Driver. , 2020, , .		1
10	Single-Event Transients in a Commercially Available, Integrated Germanium Photodiode for Silicon Photonic Systems. IEEE Transactions on Nuclear Science, 2022, 69, 527-533.	2.0	1
11	Total-Ionizing-Dose Response of SiGe HBTs at Elevated Temperatures. IEEE Transactions on Nuclear Science, 2022, 69, 1079-1084.	2.0	1
12	Dynamic Behavior of Breakdown Mechanisms in SiGe HBTs. , 2021, , .		1
13	Analysis of the Impact of Radiation-Induced Optical Transients on Deep-Space Optical Communications Systems using PPM. , 2021, , .		0
14	Response of Integrated Silicon Microwave <i>pin</i> Diodes to X-Ray and Fast-Neutron Irradiation. IEEE Transactions on Nuclear Science, 2022, 69, 282-289.	2.0	0