

Hawal Rashid

List of Publications by Year in descending order

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21
papers

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g-index

21
all docs

21
docs citations

21
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	A Nonlinear Transmission Line Model for Simulating Distributed SIS Frequency Multipliers. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 246-255.	3.1	2
2	SEPIA â€” a new single pixel receiver at the APEX telescope. Astronomy and Astrophysics, 2018, 612, A23.	5.1	48
3	ALMA Band 5 receiver cartridge. Astronomy and Astrophysics, 2018, 611, A98.	5.1	23
4	Noise and IF Gain Bandwidth of a Balanced Waveguide NbN/GaN Hot Electron Bolometer Mixer Operating at 1.3 THz. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 365-371.	3.1	23
5	Wideband Planar Hybrid With Ultralow Amplitude Imbalance. IEEE Microwave and Wireless Components Letters, 2017, 27, 230-232.	3.2	11
6	Specific Capacitance Dependence on the Specific Resistance in Nb/Alâ€”AlOx/Nb Tunnel Junctions. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 586-592.	3.1	2
7	Harmonic and reactive behavior of the quasiparticle tunnel current in SIS junctions. AIP Advances, 2016, 6, 045109.	1.3	4
8	Dependence of the scatter of the electrical properties on local non-uniformities of the tunnel barrier in Nb/Al-AlOx/Nb junctions. Journal of Applied Physics, 2016, 119, 054502.	2.5	4
9	Experimental verification of the pumping of SIS mixer with an distributed SIS frequency doubler. , 2016, , .		0
10	Frequency Multiplier Based on Distributed Superconducting Tunnel Junctions: Theory, Design, and Characterization. IEEE Transactions on Terahertz Science and Technology, 2016, , 1-13.	3.1	9
11	THz Frequency Up-Conversion using Superconducting Tunnel Junction. IEEE Microwave and Wireless Components Letters, 2016, 26, 831-833.	3.2	5
12	Design of Wideband Waveguide Hybrid With Ultra-Low Amplitude Imbalance. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 83-90.	3.1	27
13	Direct Measurement of Superconducting Tunnel Junction Capacitance. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 464-469.	3.1	4
14	Towards quantum limited frequency multiplication. , 2014, , .		3
15	Superconducting 4â€”8-GHz Hybrid Assembly for 2SB Cryogenic THz Receivers. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 193-200.	3.1	13
16	Novel Waveguide 3 dB Hybrid With Improved Amplitude Imbalance. IEEE Microwave and Wireless Components Letters, 2014, 24, 212-214.	3.2	26
17	Superconducting 4â€”8 GHz IF Hybrid for Low Noise mm-Wave Sideband Separation SIS Receiver. IEEE Microwave and Wireless Components Letters, 2012, 22, 589-591.	3.2	2
18	Performance of the First ALMA Band 5 Production Cartridge. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 208-214.	3.1	42

#	ARTICLE	IF	CITATIONS
19	Design and simulations of a micromachined Golay-cell based THz sensors for room temperature imaging applications. , 2010, , .		1
20	Design and performance of ALMA band 5 receiver cartridge. , 2010, , .		0
21	Design, simulations and optimization of micromachined Golay-cell based THz sensors operating at room temperature. Procedia Chemistry, 2009, 1, 1175-1178.	0.7	11