

Hawal Rashid

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7504605/publications.pdf>

Version: 2024-02-01

21
papers

260
citations

1040056

9
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

396
citing authors

#	ARTICLE	IF	CITATIONS
1	SEPIA â€“ a new single pixel receiver at the APEX telescope. <i>Astronomy and Astrophysics</i> , 2018, 612, A23.	5.1	48
2	Performance of the First ALMA Band 5 Production Cartridge. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2012, 2, 208-214.	3.1	42
3	Design of Wideband Waveguide Hybrid With Ultra-Low Amplitude Imbalance. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016, 6, 83-90.	3.1	27
4	Novel Waveguide 3 dB Hybrid With Improved Amplitude Imbalance. <i>IEEE Microwave and Wireless Components Letters</i> , 2014, 24, 212-214.	3.2	26
5	ALMA Band 5 receiver cartridge. <i>Astronomy and Astrophysics</i> , 2018, 611, A98.	5.1	23
6	Noise and IF Gain Bandwidth of a Balanced Waveguide NbN/GaN Hot Electron Bolometer Mixer Operating at 1.3 THz. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2018, 8, 365-371.	3.1	23
7	Superconducting 4â€“8-GHz Hybrid Assembly for 2SB Cryogenic THz Receivers. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2014, 4, 193-200.	3.1	13
8	Design, simulations and optimization of micromachined Golay-cell based THz sensors operating at room temperature. <i>Procedia Chemistry</i> , 2009, 1, 1175-1178.	0.7	11
9	Wideband Planar Hybrid With Ultralow Amplitude Imbalance. <i>IEEE Microwave and Wireless Components Letters</i> , 2017, 27, 230-232.	3.2	11
10	Frequency Multiplier Based on Distributed Superconducting Tunnel Junctions: Theory, Design, and Characterization. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016, , 1-13.	3.1	9
11	THz Frequency Up-Conversion using Superconducting Tunnel Junction. <i>IEEE Microwave and Wireless Components Letters</i> , 2016, 26, 831-833.	3.2	5
12	Direct Measurement of Superconducting Tunnel Junction Capacitance. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2015, 5, 464-469.	3.1	4
13	Harmonic and reactive behavior of the quasiparticle tunnel current in SIS junctions. <i>AIP Advances</i> , 2016, 6, 045109.	1.3	4
14	Dependence of the scatter of the electrical properties on local non-uniformities of the tunnel barrier in Nb/Al-AlOx/Nb junctions. <i>Journal of Applied Physics</i> , 2016, 119, 054502.	2.5	4
15	Towards quantum limited frequency multiplication. , 2014, , .		3
16	Superconducting 4â€“8 GHz IF Hybrid for Low Noise mm-Wave Sideband Separation SIS Receiver. <i>IEEE Microwave and Wireless Components Letters</i> , 2012, 22, 589-591.	3.2	2
17	Specific Capacitance Dependence on the Specific Resistance in Nb/Alâ€“AlOx/Nb Tunnel Junctions. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2017, 7, 586-592.	3.1	2
18	A Nonlinear Transmission Line Model for Simulating Distributed SIS Frequency Multipliers. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020, 10, 246-255.	3.1	2

#	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	Experimental verification of the pumping of SIS mixer with an distributed SIS frequency doubler. , 2016, , .		0