Omid Noroozian

List of Publications by Year
in descending order

27 papers	709 citations	623734 14 h-index	610901 24 g-index
27 all docs	27 docs citations	27 times ranked	817 citing authors

#	Article	IF	Citations
1	Titanium nitride films for ultrasensitive microresonator detectors. Applied Physics Letters, 2010, 97, .	3.3	191
2	Operation of a titanium nitride superconducting microresonator detector in the nonlinear regime. Journal of Applied Physics, 2013, 113, .	2.5	75
3	Crosstalk Reduction for Superconducting Microwave Resonator Arrays. IEEE Transactions on Microwave Theory and Techniques, 2012, 60, 1235-1243.	4.6	61
4	High-resolution gamma-ray spectroscopy with a microwave-multiplexed transition-edge sensor array. Applied Physics Letters, 2013, 103, 202602.	3.3	61
5	Broadband Solenoidal Haloscope for Terahertz Axion Detection. Physical Review Letters, 2022, 128, 131801.	7.8	49
6	Two-level system noise reduction for Microwave Kinetic Inductance Detectors. AIP Conference Proceedings, 2009, , .	0.4	45
7	An open-source readout for MKIDs. Proceedings of SPIE, 2010, , .	0.8	24
8	MUSIC for sub/millimeter astrophysics. Proceedings of SPIE, 2010, , .	0.8	23
9	PECULIAR VELOCITY CONSTRAINTS FROM FIVE-BAND SZ EFFECT MEASUREMENTS TOWARD RX J1347.5â˜'1145 WITH MUSIC AND BOLOCAM FROM THE CSO. Astrophysical Journal, 2016, 820, 101.	4.5	20
10	Status of MUSIC, the MUltiwavelength Sub/millimeter Inductance Camera. Proceedings of SPIE, 2012, , .	0.8	17
11	Second-Generation Design of Micro-Spec: A Medium-Resolution, Submillimeter-Wavelength Spectrometer-on-a-Chip. Journal of Low Temperature Physics, 2018, 193, 923-930.	1.4	17
12	The Experiment for Cryogenic Large-Aperture Intensity Mapping (EXCLAIM). Journal of Low Temperature Physics, 2020, 199, 1027-1037.	1.4	17
13	The Status of Music: A Multicolor Sub/millimeter MKID Instrument. Journal of Low Temperature Physics, 2012, 167, 347-353.	1.4	16
14	Toward Large Field-of-View High-Resolution X-ray Imaging Spectrometers: Microwave Multiplexed Readout of 28 TES Microcalorimeters. Journal of Low Temperature Physics, 2018, 193, 258-266.	1.4	16
15	MKID multicolor array status and results from DemoCam. Proceedings of SPIE, 2010, , .	0.8	12
16	Measurement of loss in superconducting microstrip at millimeter-wave frequencies. AIP Conference Proceedings, 2009, , .	0.4	11
17	The status of MUSIC: the multiwavelength sub-millimeter inductance camera. Proceedings of SPIE, 2014, , .	0.8	10
18	Design and performance of a high resolutionÎ¼-spec: an integrated sub-millimeter spectrometer. Proceedings of SPIE, 2016, , .	0.8	9

#	Article	IF	Citations
19	Optimizing Superconducting Matching Circuits for Nb SIS Mixers Operating Around the Gap Frequency. IEEE Transactions on Applied Superconductivity, 2007, 17, 375-378.	1.7	6
20	Optics for MUSIC: a new (sub)millimeter camera for the Caltech Submillimeter Observatory. Proceedings of SPIE, 2010, , .	0.8	5
21	Second-generation Micro-Spec: A compact spectrometer for far-infrared and submillimeter space missions. Acta Astronautica, 2019, 162, 155-159.	3.2	5
22	Optimization of MKID noise performance via readout technique for astronomical applications. , 2010, , .		4
23	The cryomechanical design of MUSIC: a novel imaging instrument for millimeter-wave astrophysics at the Caltech Submillimeter Observatory. Proceedings of SPIE, 2010, , .	0.8	4
24	Growth and Characterization of NbTiN Films Synthesized by Reactive Bias Target Ion Beam Deposition (RBTIBD). IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	4
25	A Cryogenic Waveguide Mount for Microstrip Circuit and Material Characterization. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.7	3
26	A microwave kinetic inductance camera for sub/millimeter astrophysics. , 2008, , .		2
27	Microwave crosstalk in lumped element far-IR MKIDs. , 2010, , .		2