Andrea Tartari

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8656395/publications.pdf

Version: 2024-02-01

71 papers	1,090 citations	471509 17 h-index	434195 31 g-index
71 all docs	71 docs citations	71 times ranked	991 citing authors

#	Article	IF	Citations
1	Microwave spectro-polarimetry of matter and radiation across space and time. Experimental Astronomy, 2021, 51, 1471-1514.	3.7	15
2	QUBIC: The Q & U Bolometric Interferometer for Cosmology. Journal of Low Temperature Physics, 2020, 199, 482-490.	1.4	8
3	Development and Testing of the FDM Read-Out of the TES Arrays Aboard the LSPE/SWIPE Balloon-Borne Experiment. Journal of Low Temperature Physics, 2020, 199, 212-218.	1.4	6
4	TES Bolometer Arrays for the QUBIC B-Mode CMB Experiment. Journal of Low Temperature Physics, 2020, 199, 955-961.	1.4	6
5	Overview of the medium and high frequency telescopes of the LiteBIRD space mission. , 2020, , .		3
6	LiteBIRD satellite: JAXA's new strategic L-class mission for all-sky surveys of cosmic microwave background polarization. , 2020, , .		79
7	Concept design of low frequency telescope for CMB B-mode polarization satellite LiteBIRD. , 2020, , .		4
8	Detection chain and electronic readout of the QUBIC instrument. , 2020, , .		0
9	QUBIC: Exploring the Primordial Universe with the Q&U Bolometric Interferometer. Universe, 2019, 5, 42.	2.5	15
10	Exploring cosmic origins with CORE: Survey requirements and mission design. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 014-014.	5.4	98
11	Exploring cosmic origins with CORE: The instrument. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 015-015.	5.4	25
12	Exploring cosmic origins with CORE: Inflation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 016-016.	5.4	75
13	Exploring cosmic origins with CORE: Cosmological parameters. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 017-017.	5.4	73
14	Exploring cosmic origins with CORE: Gravitational lensing of the CMB. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 018-018.	5.4	29
15	Exploring cosmic origins with CORE: Cluster science. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 019-019.	5.4	17
16	Exploring cosmic origins with CORE: Extragalactic sources in cosmic microwave background maps. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 020-020.	5.4	20
17	Exploring cosmic origins with CORE: Effects of observer peculiar motion. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 021-021.	5.4	18
18	Exploring cosmic origins with CORE: Mitigation of systematic effects. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 022-022.	5.4	14

#	Article	IF	Citations
19	Exploring cosmic origins with CORE:B-mode component separation. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 023-023.	5.4	44
20	Dual-Color Antenna-Coupled LEKID for Next-Generation Multi-chroic CMB Focal Planes. Journal of Low Temperature Physics, 2018, 193, 170-175.	1.4	1
21	Design of Near Infrared and Visible Kinetic Inductance Detectors Using MIM Capacitors. Journal of Low Temperature Physics, 2018, 193, 184-188.	1.4	5
22	Polarization Filter for Microstrip Lumped-Element Kinetic Inductance Detectors. Journal of Low Temperature Physics, 2018, 193, 157-162.	1.4	2
23	The FDM readout for the LSPE/SWIPE TES bolometers. , 2018, , .		1
24	Performance of NbSi transition-edge sensors readout with a 128 MUX factor for the QUBIC experiment. , 2018, , .		4
25	Thermal architecture for the QUBIC cryogenic receiver. , 2018, , .		5
26	QUBIC: the Q and U bolometric interferometer for cosmology. , 2018, , .		6
27	Optical modelling and analysis of the Q and U bolometric interferometer for cosmology. , 2018, , .		0
28	Simulations and performance of the QUBIC optical beam combiner. , 2018, , .		3
29	Next generation sub-millimetre wave focal plane array coupling concepts: an ESA TRP project to develop multichroic focal plane pixels for future CMB polarisation experiments. , 2018, , .		0
30	Next generation sub-millimeter wave focal plane array coupling concepts: an ESA TRP project to develop multichroic focal plane pixels for future CMB polarization experiments. Proceedings of SPIE, 2016, , .	0.8	5
31	Optical design and modelling of the QUBIC instrument, a next-generation quasi-optical bolometric interferometer for cosmology. Proceedings of SPIE, 2016, , .	0.8	0
32	CMB Science: Opportunities for a Cryogenic Filter-Bank Spectrometer. Journal of Low Temperature Physics, 2016, 184, 780-785.	1.4	1
33	QUBIC: A Fizeau Interferometer Targeting Primordial B-Modes. Journal of Low Temperature Physics, 2016, 184, 739-745.	1.4	9
34	LEKIDs as mm-Wave Polarisation Analysers: Fabrication, Test Bench and Early Results. Journal of Low Temperature Physics, 2016, 184, 167-172.	1.4	3
35	Superconducting Coplanar Switch and Phase Shifter for CMB Applications. Journal of Low Temperature Physics, 2016, 184, 547-552.	1.4	0
36	Ultra-porous alumina for microwave planar antennas. International Journal of Higher Education Management, 2015, 1, 93-99.	1.3	4

#	Article	IF	Citations
37	Conception of a 90-GHz metamaterial-based coupler for astrophysical applications. Applied Physics A: Materials Science and Processing, 2014, 117, 523-526.	2.3	0
38	PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 006-006.	5.4	138
39	A mm-Wave Polarisation Analyser Using LEKIDs: Strategy and Preliminary Numerical Results. Journal of Low Temperature Physics, 2014, 176, 524-529.	1.4	1
40	Superconducting NbN Coplanar Switch Driven by DC Current for CMB Instruments. Journal of Low Temperature Physics, 2014, 176, 663-669.	1.4	2
41	Robustness of the behavior of microstrip lines loaded with disordered complementary split ring resonators. , 2013, , .		1
42	Latest Progress on the QUBIC Instrument. Journal of Low Temperature Physics, 2013, 176, 698.	1.4	2
43	The optical design of the QUBIC beam combiner. Proceedings of SPIE, 2012, , .	0.8	0
44	A coherent polarimeter array for the Large Scale Polarization Explorer (LSPE) balloon experiment. Proceedings of SPIE, 2012, , .	0.8	13
45	A cryogenic set-up for accurate measurements of S-parameters. , 2012, , .		1
46	The Large-Scale Polarization Explorer (LSPE). Proceedings of SPIE, 2012, , .	0.8	38
47	W-Band Superconducting Planar Orthogonal Mode Transducer Characterisation. Journal of Low Temperature Physics, 2012, 167, 491-496.	1.4	2
48	QUBIC: the Q&U Bolometric Interferometer for Cosmology. Journal of Low Temperature Physics, 2012, 167, 872-878.	1.4	15
49	Intensity and polarization of the atmospheric emission at millimetric wavelengths at Dome Concordia. Monthly Notices of the Royal Astronomical Society, 2012, 423, 1293-1299.	4.4	12
50	W-band prototype of platelet feed-horn array for CMB polarisation measurements. Journal of Instrumentation, 2011, 6, P06009-P06009.	1.2	16
51	A template of atmospheric O2 circularly polarized emission for cosmic microwave background experiments. Monthly Notices of the Royal Astronomical Society, 2011, 414, 3272-3280.	4.4	10
52	QUBIC: The QU bolometric interferometer for cosmology. Astroparticle Physics, 2011, 34, 705-716.	4.3	47
53	On the detectability of cosmic ray electron spectral features in the microwave/mm-wave range. , 2011, , .		0
54	Realization and Preliminary Measurements on a 94 GHz SIS Mixer. Journal of Infrared, Millimeter, and Terahertz Waves, 2010, 31, 1331-1337.	2.2	1

#	Article	IF	Citations
55	Estimators for the performances of the optical combiner of an adding interferometer. , 2010, , .		0
56	Measurement accuracy of S-parameters in W band at cryogenic temperature. , 2010, , .		2
57	Experimental Study of an Adding Interferometer at Millimeter Waves. Journal of Infrared, Millimeter, and Terahertz Waves, 2009, 31, 88.	2.2	0
58	Superconducting Planar Devices for Cosmology. , 2009, , .		3
59	Spectroscopic Active Galaxies and Clusters Explorer. , 2009, , .		0
60	TRIS. I. Absolute Measurements of the Sky Brightness Temperature at 0.6, 0.82, and 2.5 GHz. Astrophysical Journal, 2008, 688, 12-23.	4.5	39
61	The Contribution of the Unresolved Extragalactic Radio Sources to the Brightness Temperature of the Sky. Astrophysical Journal, 2008, 682, 223-230.	4.5	64
62	TRIS. II. Search for CMB Spectral Distortions at 0.60, 0.82, and 2.5 GHz. Astrophysical Journal, 2008, 688, 24-31.	4.5	33
63	TRIS. III. The Diffuse Galactic Radio Emission at Î´ = +42Â°. Astrophysical Journal, 2008, 688, 32-42.	4.5	21
64	THE BRAIN EXPERIMENT. , 2008, , .		0
65	The BRAIN CMB polarization experiment. New Astronomy Reviews, 2007, 51, 256-259.	12.8	20
66	The CMB spectrum: Perspective of observing spectral distortions. New Astronomy Reviews, 2007, 51, 406-410.	12.8	1
67	Radiometers based on SIS mixers to measure SZ effect from galaxy clusters. New Astronomy Reviews, 2007, 51, 363-367.	12.8	0
68	MASTER: a radiometer for mm and sub-mm observations from the Antarctic Plateau. EAS Publications Series, 2005, 14, 239-244.	0.3	0
69	CMB Polarimetry from the Antarctic Plateau. EAS Publications Series, 2005, 14, 263-268.	0.3	0
70	Precision CMB Polarization from Dome-C: the BRAIN experiment. EAS Publications Series, 2005, 14, 87-92.	0.3	6
71	Dual output polarimeter devoted to the study of the Cosmic Microwave Background. , 2003, 4843, 336.		4