

John Appel

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

484
citations

759233

12
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

779
citing authors

#	ARTICLE	IF	CITATIONS
1	CLASS: the cosmology large angular scale surveyor. Proceedings of SPIE, 2014, , .	0.8	90
2	THE ATACAMA COSMOLOGY TELESCOPE: DATA CHARACTERIZATION AND MAPMAKING. Astrophysical Journal, 2013, 762, 10.	4.5	70
3	The Cosmology Large Angular Scale Surveyor. Proceedings of SPIE, 2016, , .	0.8	43
4	Results from the Atacama B-mode Search (ABS) experiment. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 005-005.	5.4	37
5	A 3D-printed broadband millimeter wave absorber. Review of Scientific Instruments, 2019, 90, 024701.	1.3	29
6	A Projected Estimate of the Reionization Optical Depth Using the CLASS Experiment's Sample Variance Limited E-mode Measurement. Astrophysical Journal, 2018, 863, 121.	4.5	26
7	MEASURING THE LARGEST ANGULAR SCALE CMB B-MODE POLARIZATION WITH GALACTIC FOREGROUNDS ON A CUT SKY. Astrophysical Journal, 2015, 814, 103.	4.5	22
8	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: 40 GHz Telescope Pointing, Beam Profile, Window Function, and Polarization Performance. Astrophysical Journal, 2020, 891, 134.	4.5	22
9	The cosmology large angular scale surveyor (CLASS): 38-GHz detector array of bolometric polarimeters. Proceedings of SPIE, 2014, , .	0.8	20
10	Four-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: On-sky Receiver Performance at 40, 90, 150, and 220 GHz Frequency Bands. Astrophysical Journal, 2022, 926, 33.	4.5	19
11	On-sky Performance of the CLASS Q-band Telescope. Astrophysical Journal, 2019, 876, 126.	4.5	16
12	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: A Measurement of Circular Polarization at 40 GHz. Astrophysical Journal, 2020, 889, 105.	4.5	15
13	Variable-delay polarization modulators for the CLASS telescopes. , 2018, , .		13
14	Design and characterization of the Cosmology Large Angular Scale Surveyor (CLASS) 93 GHz focal plane. , 2018, , .		12
15	Two-year Cosmology Large Angular Scale Surveyor (CLASS) Observations: A First Detection of Atmospheric Circular Polarization at Q band. Astrophysical Journal, 2020, 889, 120.	4.5	11
16	Silicon-based antenna-coupled polarization-sensitive millimeter-wave bolometer arrays for cosmic microwave background instruments. Proceedings of SPIE, 2016, , .	0.8	9
17	The Cosmology Large Angular Scale Surveyor receiver design. , 2018, , .		9
18	Two Year Cosmology Large Angular Scale Surveyor (CLASS) Observations: Long Timescale Stability Achieved with a Front-end Variable-delay Polarization Modulator at 40 GHz. Astrophysical Journal, 2021, 922, 212.	4.5	8

#	ARTICLE	IF	CITATIONS
19	Venus Observations at 40 and 90 GHz with CLASS. Planetary Science Journal, 2021, 2, 71.	3.6	5
20	SiAl alloy feedhorn arrays: material properties, feedhorn design, and astrophysical applications. , 2018, , .		4
21	Scalable background-limited polarization-sensitive detectors for mm-wave applications. Proceedings of SPIE, 2014, , .	0.8	3
22	SiAl composite feedhorn arrays for astrophysical applications: Cryogenic material properties. Review of Scientific Instruments, 2022, 93, 024503.	1.3	1