

J Richard Bond

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,951
citations

516710

16
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1612
citing authors

#	ARTICLE	IF	CITATIONS
1	The Simons Observatory: science goals and forecasts. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 056-056.	5.4	741
2	The Atacama Cosmology Telescope: DR4 maps and cosmological parameters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 047-047.	5.4	343
3	The Atacama Cosmology Telescope: a measurement of the Cosmic Microwave Background power spectra at 98 and 150 GHz. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 045-045.	5.4	148
4	The Atacama Cosmology Telescope: The Two-season ACTPol Sunyaev-Zel'dovich Effect Selected Cluster Catalog. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 20.	7.7	121
5	The Atacama Cosmology Telescope: a CMB lensing mass map over 2100 square degrees of sky and its cross-correlation with BOSS-CMASS galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 2250-2263.	4.4	68
6	The mass-Peak Patch algorithm for fast generation of deep all-sky dark matter halo catalogues and its N-body validation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 2236-2250.	4.4	56
7	Atacama Cosmology Telescope: Component-separated maps of CMB temperature and the thermal Sunyaev-Zel'dovich effect. <i>Physical Review D</i> , 2020, 102, .	4.7	56
8	The Websky extragalactic CMB simulations. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 012-012.	5.4	51
9	Atacama Cosmology Telescope: Constraints on cosmic birefringence. <i>Physical Review D</i> , 2020, 101, .	4.7	50
10	A New Limit on CMB Circular Polarization from SPIDER. <i>Astrophysical Journal</i> , 2017, 844, 151.	4.5	40
11	COMAP Early Science. I. Overview. <i>Astrophysical Journal</i> , 2022, 933, 182.	4.5	25
12	A Constraint on Primordial B-modes from the First Flight of the Spider Balloon-borne Telescope. <i>Astrophysical Journal</i> , 2022, 927, 174.	4.5	24
13	COMAP Early Science. V. Constraints and Forecasts at $z \sim 3$. <i>Astrophysical Journal</i> , 2022, 933, 186.	4.5	21
14	Probing Galaxy Evolution in Massive Clusters Using ACT and DES: Splashback as a Cosmic Clock. <i>Astrophysical Journal</i> , 2021, 923, 37.	4.5	20
15	The Atacama Cosmology Telescope: Summary of DR4 and DR5 Data Products and Data Access. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 11.	7.7	19
16	COMAP Early Science. IV. Power Spectrum Methodology and Results. <i>Astrophysical Journal</i> , 2022, 933, 185.	4.5	17
17	A cryogenic rotation stage with a large clear aperture for the half-wave plates in the Spider instrument. <i>Review of Scientific Instruments</i> , 2016, 87, 014501.	1.3	16
18	A Model of Spectral Line Broadening in Signal Forecasts for Line-intensity Mapping Experiments. <i>Astrophysical Journal</i> , 2021, 923, 188.	4.5	16

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19	COMAP Early Science. VII. Prospects for CO Intensity Mapping at Reionization. <i>Astrophysical Journal</i> , 2022, 933, 188.	4.5	16
20	The Atacama Cosmology Telescope: Detection of Millimeter-wave Transient Sources. <i>Astrophysical Journal</i> , 2021, 915, 14.	4.5	15
21	The Atacama Cosmology Telescope: Weighing Distant Clusters with the Most Ancient Light. <i>Astrophysical Journal Letters</i> , 2020, 903, L13.	8.3	15
22	COMAP Early Science. VI. A First Look at the COMAP Galactic Plane Survey. <i>Astrophysical Journal</i> , 2022, 933, 187.	4.5	12
23	The Simons Observatory Large Aperture Telescope Receiver. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 23.	7.7	11
24	The Atacama Cosmology Telescope: A Search for Planet 9. <i>Astrophysical Journal</i> , 2021, 923, 224.	4.5	10
25	COMAP Early Science. III. CO Data Processing. <i>Astrophysical Journal</i> , 2022, 933, 184.	4.5	10
26	Design of 280 GHz feedhorn-coupled TES arrays for the balloon-borne polarimeter SPIDER. <i>Proceedings of SPIE</i> , 2016, , .	0.8	9
27	The Simons Observatory: The Large Aperture Telescope (LAT). <i>Research Notes of the AAS</i> , 2021, 5, 100.	0.7	8
28	COMAP Early Science. II. Pathfinder Instrument. <i>Astrophysical Journal</i> , 2022, 933, 183.	4.5	8
29	Measuring Reionization, Neutrino Mass, and Cosmic Inflation with BFORE. <i>Journal of Low Temperature Physics</i> , 2018, 193, 1033-1040.	1.4	3
30	Constraining Cosmic Microwave Background Temperature Evolution With Sunyaev-Zel'dovich Galaxy Clusters from the Atacama Cosmology Telescope. <i>Astrophysical Journal</i> , 2021, 922, 136.	4.5	2