

# Jonathan L Sievers

## List of Publications by Year in descending order

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69  
papers

4,998  
citations

126907

33  
h-index

98798

67  
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69  
all docs

69  
docs citations

69  
times ranked

4789  
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: COSMOLOGICAL PARAMETERS FROM THE 2008 POWER SPECTRUM. <i>Astrophysical Journal</i> , 2011, 739, 52.	4.5	329
3	Dense magnetized plasma associated with a fast radio burst. <i>Nature</i> , 2015, 528, 523-525.	27.8	297
4	EXPLORING SHORT GAMMA-RAY BURSTS AS GRAVITATIONAL-WAVE STANDARD SIRENS. <i>Astrophysical Journal</i> , 2010, 725, 496-514.	4.5	282
5	The Anisotropy of the Microwave Background to $l=3500$ : Deep Field Observations with the Cosmic Background Imager. <i>Astrophysical Journal</i> , 2003, 591, 540-555.	4.5	262
6	Neutrino physics from the cosmic microwave background and large scale structure. <i>Astroparticle Physics</i> , 2015, 63, 66-80.	4.3	218
7	The Atacama Cosmology Telescope: cosmological parameters from three seasons of data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 060-060.	5.4	215
8	The Atacama Cosmology Telescope: temperature and gravitational lensing power spectrum measurements from three seasons of data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 014-014.	5.4	194
9	ACTPol: a polarization-sensitive receiver for the Atacama Cosmology Telescope. <i>Proceedings of SPIE</i> , 2010, , .	0.8	144
10	The Atacama Cosmology Telescope: likelihood for small-scale CMB data. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013, 2013, 025-025.	5.4	137
11	First Intrinsic Anisotropy Observations with the Cosmic Background Imager. <i>Astrophysical Journal</i> , 2001, 549, L1-L5.	4.5	133
12	THE ATACAMA COSMOLOGY TELESCOPE: A MEASUREMENT OF THE 600 &lt;math>\mu\text{m}</math> &lt;math>8000</math> COSMIC MICROWAVE BACKGROUND POWER SPECTRUM AT 148 GHz. <i>Astrophysical Journal</i> , 2010, 722, 1148-1161.	4.5	107
13	Two-season Atacama Cosmology Telescope polarimeter lensing power spectrum. <i>Physical Review D</i> , 2017, 95, .	4.7	104
14	MUSTANG HIGH ANGULAR RESOLUTION SUNYAEV-ZEL'DOVICH EFFECT IMAGING OF SUBSTRUCTURE IN FOUR GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2011, 734, 10.	4.5	103
15	Inflation physics from the cosmic microwave background and large scale structure. <i>Astroparticle Physics</i> , 2015, 63, 55-65.	4.3	90
16	Evidence for the kinematic Sunyaev-Zel'dovich effect with the Atacama Cosmology Telescope and velocity reconstruction from the Baryon Oscillation Spectroscopic Survey. <i>Physical Review D</i> , 2016, 93, .	4.7	90
17	The Cosmic Background Imager. <i>Publications of the Astronomical Society of the Pacific</i> , 2002, 114, 83-97.	3.1	84
18	Precision epoch of reionization studies with next-generation CMB experiments. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 010-010.	5.4	83

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19	LOCALIZING COMPACT BINARY INSPIRALS ON THE SKY USING GROUND-BASED GRAVITATIONAL WAVE INTERFEROMETERS. <i>Astrophysical Journal</i> , 2011, 739, 99.	4.5	81
20	THE ATACAMA COSMOLOGY TELESCOPE (ACT): BEAM PROFILES AND FIRST SZ CLUSTER MAPS. <i>Astrophysical Journal</i> , Supplement Series, 2010, 191, 423-438.	7.7	79
21	Non-cosmological FRBs from young supernova remnant pulsars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 0, , .	3.0	78
22	Weak-lensing Mass Calibration of ACTPol Sunyaev-Zel'dovich Clusters with the Hyper Suprime-Cam Survey. <i>Astrophysical Journal</i> , 2019, 875, 63.	4.5	72
23	Detection of the pairwise kinematic Sunyaev-Zel'dovich effect with BOSS DR11 and the Atacama Cosmology Telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 008-008.	5.4	70
24	THE ATACAMA COSMOLOGY TELESCOPE: LENSING OF CMB TEMPERATURE AND POLARIZATION DERIVED FROM COSMIC INFRARED BACKGROUND CROSS-CORRELATION. <i>Astrophysical Journal</i> , 2015, 808, 7.	4.5	66
25	Cosmological parameters from pre-planck cosmic microwave background measurements. <i>Physical Review D</i> , 2013, 87, .	4.7	65
26	IMPLICATIONS OF A HIGH ANGULAR RESOLUTION IMAGE OF THE SUNYAEV-ZEL'DOVICH EFFECT IN RXJ1347-1145. <i>Astrophysical Journal</i> , 2010, 716, 739-745.	4.5	62
27	First measurement of the cross-correlation of CMB lensing and galaxy lensing. <i>Physical Review D</i> , 2015, 91, .	4.7	60
28	THE ATACAMA COSMOLOGY TELESCOPE: DETECTION OF SUNYAEV-ZEL'DOVICH DECREMENT IN GROUPS AND CLUSTERS ASSOCIATED WITH LUMINOUS RED GALAXIES. <i>Astrophysical Journal</i> , 2011, 736, 39.	4.5	52
29	Joint Analysis of Cluster Observations. I. Mass Profile of Abell 478 from Combined X-ray, Sunyaev-Zel'dovich, and Weak-Lensing Data. <i>Astrophysical Journal</i> , 2007, 664, 162-180.	4.5	48
30	The Atacama Cosmology Telescope: dusty star-forming galaxies and active galactic nuclei in the Southern survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1556-1574.	4.4	47
31	The C-Band All-Sky Survey (C-BASS): design and capabilities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 3224-3242.	4.4	44
32	Cosmology with the kinematic Sunyaev-Zeldovich effect: Breaking the optical depth degeneracy with fast radio bursts. <i>Physical Review D</i> , 2019, 100, .	4.7	41
33	Constraints on the FRB rate at 700-900 MHz. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 1054-1058.	4.4	38
34	Results from the Atacama B-mode Search (ABS) experiment. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 005-005.	5.4	37
35	Cosmological parameters from pre-Planck CMB measurements: A 2017 update. <i>Physical Review D</i> , 2017, 95, .	4.7	33
36	A 31 GHz SURVEY OF LOW-FREQUENCY SELECTED RADIO SOURCES. <i>Astrophysical Journal</i> , 2009, 704, 1433-1447.	4.5	33

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37	Radio and X-Ray Observations of the Luminous Fast Blue Optical Transient AT 2020xnd. <i>Astrophysical Journal</i> , 2022, 926, 112.	4.5	29
38	The Atacama Cosmology Telescope: cross correlation with <i>Planck</i> maps. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014, 2014, 016-016.	5.4	27
39	Probing diffuse gas with fast radio bursts. <i>Physical Review D</i> , 2019, 100, .	4.7	25
40	Pressure Profiles and Mass Estimates Using High-resolution Sunyaev-Zeldovich Effect Observations of Zwicky 3146 with MUSTANG-2. <i>Astrophysical Journal</i> , 2020, 891, 90.	4.5	25
41	THE ATACAMA COSMOLOGY TELESCOPE: HIGH-RESOLUTION SUNYAEV-ZEL'DOVICH ARRAY OBSERVATIONS OF ACT SZE-SELECTED CLUSTERS FROM THE EQUATORIAL STRIP. <i>Astrophysical Journal</i> , 2012, 751, 12.	4.5	23
42	Hydrogen Intensity and Real-Time Analysis Experiment: 256-element array status and overview. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2022, 8, .	1.8	22
43	Galaxy Cluster Pressure Profiles as Determined by Sunyaev Zeldovich Effect Observations with MUSTANG and Bolocam. II. Joint Analysis of 14 Clusters. <i>Astrophysical Journal</i> , 2017, 838, 86.	4.5	21
44	Detection of spectral variations of Anomalous Microwave Emission with QUIJOTE and C-BASS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 2927-2943.	4.4	17
45	ACTPol: on-sky performance and characterization. <i>Proceedings of SPIE</i> , 2014, , .	0.8	16
46	Atacama Cosmology Telescope: Dusty Star-forming Galaxies and Active Galactic Nuclei in the Equatorial Survey. <i>Astrophysical Journal</i> , 2020, 893, 104.	4.5	16
47	A high-resolution view of the filament of gas between Abell 399 and Abell 401 from the Atacama Cosmology Telescope and MUSTANG-2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 3335-3355.	4.4	14
48	GMRT 610 MHz observations of galaxy clusters in the ACT equatorial sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1332-1349.	4.4	12
49	The C-Band All-Sky Survey (C-BASS): constraining diffuse Galactic radio emission in the North Celestial Pole region. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2844-2860.	4.4	12
50	The Massive and Distant Clusters of WISE Survey. X. Initial Results from a Sunyaev-Zeldovich Effect Study of Massive Galaxy Clusters at $z \gtrsim 1$ Using MUSTANG2 on the GBT. <i>Astrophysical Journal</i> , 2020, 902, 144.	4.5	12
51	Active gas features in three HSC-SSP CAMIRA clusters revealed by high angular resolution analysis of MUSTANG-2 SZE and XXL X-ray observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 501, 1701-1732.	4.4	11
52	SALT spectroscopic observations of galaxy clusters detected by ACT and a type II quasar hosted by a brightest cluster galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 4010-4026.	4.4	10
53	The MUSTANG Galactic Plane Survey (MGPS90) Pilot. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 24.	7.7	10
54	The Atacama Cosmology Telescope: CO( $J = 3 \rightarrow 2$ ) Mapping and Lens Modeling of an ACT-selected Dusty Star-forming Galaxy. <i>Astrophysical Journal</i> , 2019, 879, 95.	4.5	9

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55	CARMA FOLLOW-UP OF THE NORTHERN UNCONFIRMED PLANCK GALAXY CLUSTER CANDIDATES. <i>Astrophysical Journal</i> , 2012, 749, 46.	4.5	8
56	Thermodynamic evolution of the $z = 1.75$ galaxy cluster IDCS J1426.5+3508. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5896-5909.	4.4	8
57	Confirmation of Enhanced Long-wavelength Dust Emission in OMC 2/3. <i>Astrophysical Journal</i> , 2020, 893, 13.	4.5	8
58	Cosmic microwave background observations from the Cosmic Background Imager and Very Small Array: a comparison of coincident maps and parameter estimation methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 363, 1125-1135.	4.4	7
59	The Cosmic Background Imager 2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 2720-2729.	4.4	6
60	The Massive and Distant Clusters of WISE Survey. IX. High Radio Activity in a Merging Cluster. <i>Astrophysical Journal</i> , 2020, 898, 145.	4.5	6
61	A Bayesian approach to high fidelity interferometric calibration $\hat{\alpha}''$ II: demonstration with simulated data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 935-961.	4.4	5
62	GPU kernels for high-speed 4-bit astrophysical data processing. , 2015, , .		4
63	The C-Band All-Sky Survey (C-BASS): Simulated parametric fitting in single pixels in total intensity and polarization. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2958-2975.	4.4	4
64	The LABOCA/ACT Survey of Clusters at All Redshifts: Multiwavelength Analysis of Background Submillimeter Galaxies. <i>Astrophysical Journal</i> , 2018, 855, 26.	4.5	3
65	Observations of compact sources in galaxy clusters using MUSTANG2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 2600-2612.	4.4	3
66	A Bayesian approach to high-fidelity interferometric calibration $\hat{\alpha}''$ I. Mathematical formalism. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 517, 910-934.	4.4	3
67	The C-Band All-Sky Survey: total intensity point-source detection over the northern sky. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1941-1958.	4.4	1
68	The correlation calibration of PAPER-64 data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1680-1696.	4.4	1
69	A Study of 90 GHz Dust Emissivity on Molecular Cloud and Filament Scales. <i>Astrophysical Journal</i> , 2022, 929, 102.	4.5	1