

# Sunil Golwala

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,817  
citations

623734

14  
h-index

794594

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2394  
citing authors

#	ARTICLE	IF	CITATIONS
1	THE CLUSTER LENSING AND SUPERNOVA SURVEY WITH HUBBLE: AN OVERVIEW. <i>Astrophysical Journal, Supplement Series</i> , 2012, 199, 25.	7.7	659
2	Bolocam Survey for 1.1 mm Dust Continuum Emission in the c2d Legacy Clouds. I. Perseus. <i>Astrophysical Journal</i> , 2006, 638, 293-313.	4.5	280
3	Titanium nitride films for ultrasensitive microresonator detectors. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	191
4	CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. <i>Astrophysical Journal</i> , 2012, 755, 56.	4.5	101
5	Bolocam Survey for 1.1 mm Dust Continuum Emission in the c2d Legacy Clouds. II. Ophiuchus. <i>Astrophysical Journal</i> , 2006, 644, 326-343.	4.5	83
6	CLASH: COMPLETE LENSING ANALYSIS OF THE LARGEST COSMIC LENS MACS J0717.5+3745 AND SURROUNDING STRUCTURES. <i>Astrophysical Journal</i> , 2013, 777, 43.	4.5	79
7	Position sensitive x-ray spectrophotometer using microwave kinetic inductance detectors. <i>Applied Physics Letters</i> , 2006, 89, 222507.	3.3	76
8	A MULTI-WAVELENGTH STUDY OF THE SUNYAEV-ZEL'DOVICH EFFECT IN THE TRIPLE-MERGER CLUSTER MACS J0717.5+3745 WITH MUSTANG AND BOLOCAM. <i>Astrophysical Journal</i> , 2012, 761, 47.	4.5	59
9	THE MORPHOLOGIES AND ALIGNMENTS OF GAS, MASS, AND THE CENTRAL GALAXIES OF CLASH CLUSTERS OF GALAXIES. <i>Astrophysical Journal</i> , 2016, 819, 36.	4.5	50
10	Current status of Bolocam: a large-format millimeter-wave bolometer camera. , 2003, , .		35
11	A COMPARISON AND JOINT ANALYSIS OF SUNYAEV-ZEL'DOVICH EFFECT MEASUREMENTS FROM PLANCK AND BOLOCAM FOR A SET OF 47 MASSIVE GALAXY CLUSTERS. <i>Astrophysical Journal</i> , 2016, 832, 26.	4.5	35
12	Bolocam: status and observations. , 2004, , .		34
13	Imaging the Thermal and Kinematic Sunyaev-Zeldovich Effect Signals in a Sample of 10 Massive Galaxy Clusters: Constraints on Internal Velocity Structures and Bulk Velocities. <i>Astrophysical Journal</i> , 2019, 880, 45.	4.5	28
14	Galaxy Cluster Pressure Profiles as Determined by Sunyaev Zel'dovich Effect Observations with MUSTANG and Bolocam. II. Joint Analysis of 14 Clusters. <i>Astrophysical Journal</i> , 2017, 838, 86.	4.5	21
15	GALAXY CLUSTER PRESSURE PROFILES, AS DETERMINED BY SUNYAEV-ZELDOVICH EFFECT OBSERVATIONS WITH MUSTANG AND BOLOCAM. I. JOINT ANALYSIS TECHNIQUE. <i>Astrophysical Journal</i> , 2015, 807, 121.	4.5	19
16	Constraints on the Mass, Concentration, and Nonthermal Pressure Support of Six CLASH Clusters from a Joint Analysis of X-Ray, SZ, and Lensing Data. <i>Astrophysical Journal</i> , 2018, 861, 71.	4.5	19
17	Millimeter-Wave Lumped Element Superconducting Bandpass Filters for Multi-Color Imaging. <i>IEEE Transactions on Applied Superconductivity</i> , 2009, 19, 924-929.	1.7	13
18	MEASUREMENTS OF THE SUNYAEV-ZEL'DOVICH EFFECT IN MACS J0647.7+7015 AND MACS J1206.2-0847 AT HIGH ANGULAR RESOLUTION WITH MUSTANG. <i>Astrophysical Journal</i> , 2015, 809, 185.	4.5	12

#	ARTICLE	IF	CITATIONS
19	CLUMP-3D: the lack of non-thermal motions in galaxy cluster cores. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4338-4344.	4.4	11
20	Probing Hot Gas Components of the Circumgalactic Medium in Cosmological Simulations with the Thermal Sunyaev-Zeldovich Effect. Astrophysical Journal, 2022, 926, 179.	4.5	9
21	Material Selection for Cryogenic Support Structures. Journal of Low Temperature Physics, 2014, 176, 1103-1108.	1.4	3
22	Future Developments in Low Temperature Detectors for CMB and Submm Astronomy. , 2009, , .		0
23	DETECTION OF WIMP DARK MATTER. , 2011, , 269-320.		0
24	Antireflective textured silicon optics at millimeter and submillimeter wavelengths. , 2017, , .		0