Sunil Golwala

List of Publications by Year
in descending order

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	Probing Hot Gas Components of the Circumgalactic Medium in Cosmological Simulations with the Thermal Sunyaevâ€“Zelâ€™dovich Effect. Astrophysical Journal, 2022, 926, 179.	4.5	9
2	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
3	Imaging the Thermal and Kinematic Sunyaevâ€“Zelâ€™dovich Effect Signals in a Sample of 10 Massive Galaxy Clusters: Constraints on Internal Velocity Structures and Bulk Velocities. Astrophysical Journal, 2019, 880, 45.	4.5	28
4	Constraints on the Mass, Concentration, and Nonthermal Pressure Support of Six CLASH Clusters from a Joint Analysis of X-Ray, SZ, and Lensing Data. Astrophysical Journal, 2018, 861, 71.	4.5	19
5	Galaxy Cluster Pressure Profiles as Determined by Sunyaev Zelâ€™dovich Effect Observations with MUSTANG and Bolocam. II. Joint Analysis of 14 Clusters. Astrophysical Journal, 2017, 838, 86.	4.5	21
6	Antireflective textured silicon optics at millimeter and submillimeter wavelengths. , 2017, , .		0
7	A COMPARISON AND JOINT ANALYSIS OF SUNYAEVâ€“ZELâ€™DOVICH EFFECT MEASUREMENTS FROM PLANCK AND BOLOCAM FOR A SET OF 47 MASSIVE GALAXY CLUSTERS. Astrophysical Journal, 2016, 832, 26.	4.5	35
8	THE MORPHOLOGIES AND ALIGNMENTS OF GAS, MASS, AND THE CENTRAL GALAXIES OF CLASH CLUSTERS OF GALAXIES. Astrophysical Journal, 2016, 819, 36.	4.5	50
9	MEASUREMENTS OF THE SUNYAEVâ€“ZELâ€™DOVICH EFFECT IN MACS J0647.7+7015 AND MACS J1206.2â€“0847 AT HIGH ANGULAR RESOLUTION WITH MUSTANG. Astrophysical Journal, 2015, 809, 185.	4.5	12
10	GALAXY CLUSTER PRESSURE PROFILES, AS DETERMINED BY SUNYAEV-ZELDOVICH EFFECT OBSERVATIONS WITH MUSTANG AND BOLOCAM. I. JOINT ANALYSIS TECHNIQUE. Astrophysical Journal, 2015, 807, 121.	4.5	19
11	Material Selection for Cryogenic Support Structures. Journal of Low Temperature Physics, 2014, 176, 1103-1108.	1.4	3
12	CLASH: COMPLETE LENSING ANALYSIS OF THE LARGEST COSMIC LENS MACS J0717.5+3745 AND SURROUNDING STRUCTURES. Astrophysical Journal, 2013, 777, 43.	4.5	79
13	THE CLUSTER LENSING AND SUPERNOVA SURVEY WITH HUBBLE: AN OVERVIEW. Astrophysical Journal, Supplement Series, 2012, 199, 25.	7.7	659
14	A MULTI-WAVELENGTH STUDY OF THE SUNYAEV-ZEL'DOVICH EFFECT IN THE TRIPLE-MERGER CLUSTER MACS J0717.5+3745 WITH MUSTANG AND BOLOCAM. Astrophysical Journal, 2012, 761, 47.	4.5	59
15	CLASH: MASS DISTRIBUTION IN AND AROUND MACS J1206.2-0847 FROM A FULL CLUSTER LENSING ANALYSIS. Astrophysical Journal, 2012, 755, 56.	4.5	101
16	DETECTION OF WIMP DARK MATTER. , 2011, , 269-320.		0
17	Titanium nitride films for ultrasensitive microresonator detectors. Applied Physics Letters, 2010, 97, .	3.3	191
18	Millimeter-Wave Lumped Element Superconducting Bandpass Filters for Multi-Color Imaging. IEEE Transactions on Applied Superconductivity, 2009, 19, 924-929.	1.7	13

#	Article	IF	Citations
19	Future Developments in Low Temperature Detectors for CMB and Submm Astronomy. , 2009, , .		0
20	Bolocam Survey for 1.1 mm Dust Continuum Emission in the c2d Legacy Clouds. I. Perseus. Astrophysical Journal, 2006, 638, 293-313.	4.5	280
21	Bolocam Survey for 1.1 mm Dust Continuum Emission in the c2d Legacy Clouds. II. Ophiuchus. Astrophysical Journal, 2006, 644, 326-343.	4.5	83
22	Position sensitive x-ray spectrophotometer using microwave kinetic inductance detectors. Applied Physics Letters, 2006, 89, 222507.	3.3	76
23	Bolocam: status and observations. , 2004, , .		34
24	Current status of Bolocam: a large-format millimeter-wave bolometer camera. , 2003, , .		35