Salman Habib

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6143467/publications.pdf

Version: 2024-02-01

40 papers	2,669 citations	218677 26 h-index	330143 37 g-index
40 all docs	40 docs citations	40 times ranked	2068 citing authors

#	Article	IF	Citations
1	Farpoint: A High-resolution Cosmology Simulation at the Gigaparsec Scale. Astrophysical Journal, Supplement Series, 2022, 259, 15.	7.7	9
2	Why are we still using 3D masses for cluster cosmology?. Monthly Notices of the Royal Astronomical Society, 2022, 515, 3383-3405.	4.4	6
3	Machine learning synthetic spectra for probabilistic redshift estimation: SYTH-Z. Monthly Notices of the Royal Astronomical Society, 2022, 515, 1927-1941.	4.4	4
4	The Last Journey. I. An Extreme-scale Simulation on the Mira Supercomputer. Astrophysical Journal, Supplement Series, 2021, 252, 19.	7.7	12
5	The LSST DESC DC2 Simulated Sky Survey. Astrophysical Journal, Supplement Series, 2021, 253, 31.	7.7	32
6	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: N-body mock challenge for the eBOSS emission line galaxy sample. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4667-4686.	4.4	22
7	The Last Journey. II. SMACCâ€”Subhalo Mass-loss Analysis Using Core Catalogs. Astrophysical Journal, 2021, 913, 109.	4.5	2
8	The completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: N-body mock challenge for the quasar sample. Monthly Notices of the Royal Astronomical Society, 2020, 499, 269-291.	4.4	41
9	The Mira-Titan Universe. III. Emulation of the Halo Mass Function. Astrophysical Journal, 2020, 901, 5.	4.5	58
10	The Importance of Secondary Halos for Strong Lensing in Massive Galaxy Clusters across Redshift. Astrophysical Journal, 2019, 878, 122.	4.5	8
11	The Outer Rim Simulation: A Path to Many-core Supercomputers. Astrophysical Journal, Supplement Series, 2019, 245, 16.	7.7	67
12	The Borg Cube Simulation: Cosmological Hydrodynamics with CRK-SPH. Astrophysical Journal, 2019, 877, 85.	4.5	14
13	CosmoDC2: A Synthetic Sky Catalog for Dark Energy Science with LSST. Astrophysical Journal, Supplement Series, 2019, 245, 26.	7.7	67
14	HACC Cosmological Simulations: First Data Release. Astrophysical Journal, Supplement Series, 2019, 244, 17.	7.7	17
15	DESCQA: An Automated Validation Framework for Synthetic Sky Catalogs. Astrophysical Journal, Supplement Series, 2018, 234, 36.	7.7	18
16	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: anisotropic clustering analysis in configuration space. Monthly Notices of the Royal Astronomical Society, 2018, 480, 2521-2534.	4.4	61
17	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: measurement of the growth rate of structure from the anisotropic correlation function between redshift 0.8 and 2.2. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1639-1663.	4.4	109
18	The clustering of the SDSS-IV extended Baryon Oscillation Spectroscopic Survey DR14 quasar sample: structure growth rate measurement from the anisotropic quasar power spectrum in the redshift range 0.8Â<ÂzÂ<Â2.2. Monthly Notices of the Royal Astronomical Society, 2018, 477, 1604-1638.	4.4	118

#	Article	IF	Citations
19	Halo Profiles and the Concentrationâ€“Mass Relation for a Î›CDM Universe. Astrophysical Journal, 2018, 859, 55.	4.5	83
20	The Mira-Titan Universe. II. Matter Power Spectrum Emulation. Astrophysical Journal, 2017, 847, 50.	4.5	98
21	SIMULATIONS OF THE PAIRWISE KINEMATIC SUNYAEVâ€“ZELâ€™DOVICH SIGNAL. Astrophysical Journal, 2016, 823, 98.	4.5	32
22	THE MIRAâ€“TITAN UNIVERSE: PRECISION PREDICTIONS FOR DARK ENERGY SURVEYS. Astrophysical Journal, 2016, 820, 108.	4.5	100
23	Redshift-space distortions in massive neutrino and evolving dark energy cosmologies. Physical Review D, 2016, 93, .	4.7	25
24	Parallel DTFE Surface Density Field Reconstruction. , 2016, , .		6
25	HACC: Simulating sky surveys on state-of-the-art supercomputing architectures. New Astronomy, 2016, 42, 49-65.	1.8	166
26	COSMIC EMULATION: FAST PREDICTIONS FOR THE GALAXY POWER SPECTRUM. Astrophysical Journal, 2015, 810, 35.	4.5	74
27	THE Q CONTINUUM SIMULATION: HARNESSING THE POWER OF GPU ACCELERATED SUPERCOMPUTERS. Astrophysical Journal, Supplement Series, 2015, 219, 34.	7.7	41
28	Large-scale compute-intensive analysis via a combined in-situ and co-scheduling workflow approach. , 2015, , .		25
29	Large-scale structure formation with massive neutrinos and dynamical dark energy. Physical Review D, 2014, 89, .	4.7	36
30	THE COYOTE UNIVERSE EXTENDED: PRECISION EMULATION OF THE MATTER POWER SPECTRUM. Astrophysical Journal, 2014, 780, 111.	4.5	206
31	COSMIC EMULATION: THE CONCENTRATION-MASS RELATION FORwCDM UNIVERSES. Astrophysical Journal, 2013, 768, 123.	4.5	44
32	Cosmic web, multistream flows, and tessellations. Physical Review D, 2012, 85, .	4.7	104
33	MASS FUNCTION PREDICTIONS BEYOND ΛCDM. Astrophysical Journal, 2011, 732, 122.	4.5	164
34	THE COYOTE UNIVERSE. III. SIMULATION SUITE AND PRECISION EMULATOR FOR THE NONLINEAR MATTER POWER SPECTRUM. Astrophysical Journal, 2010, 713, 1322-1331.	4.5	179
35	THE COYOTE UNIVERSE. II. COSMOLOGICAL MODELS AND PRECISION EMULATION OF THE NONLINEAR MATTER POWER SPECTRUM. Astrophysical Journal, 2009, 705, 156-174.	4.5	211
36	The Halo Mass Function: Highâ€Redshift Evolution and Universality. Astrophysical Journal, 2007, 671, 1160-1181.	4.5	184

#	Article	IF	Citations
37	Cosmic calibration: Constraints from the matter power spectrum and the cosmic microwave background. Physical Review D, 2007, 76, .	4.7	92
38	Cosmic Calibration. Astrophysical Journal, 2006, 646, L1-L4.	4.5	73
39	Capturing Halos at High Redshifts. Astrophysical Journal, 2006, 642, L85-L88.	4.5	42
40	The Completed SDSS-IV Extended Baryon Oscillation Spectroscopic Survey: N-body Mock Challenge for Galaxy Clustering Measurements. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	19