

Roberto Scaramella

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

6,630
citations

201575

27
h-index

214721

47
g-index

51
all docs

51
docs citations

51
times ranked

4791
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Euclid</i> preparation. <i>Astronomy and Astrophysics</i> , 2022, 662, A112.	2.1	106
2	Cosmology and fundamental physics with the Euclid satellite. <i>Living Reviews in Relativity</i> , 2018, 21, 2.	8.2	602
3	Increasing the lensing figure of merit through higher order convergence moments. <i>Physical Review D</i> , 2018, 97, .	1.6	15
4	Large-scale retrospective relative spectrophotometric self-calibration in space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 3677-3698.	1.6	8
5	The Euclid mission design. <i>Proceedings of SPIE</i> , 2016, , .	0.8	52
6	The power spectrum of systematics in cosmic shear tomography and the bias on cosmological parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 202-220.	1.6	10
7	On the shear estimation bias induced by the spatial variation of colour across galaxy profiles. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 432, 2385-2401.	1.6	36
8	Cosmology and Fundamental Physics with the Euclid Satellite. <i>Living Reviews in Relativity</i> , 2013, 16, 6.	8.2	683
9	Origins of weak lensing systematics, and requirements on future instrumentation (or knowledge of) T_j $ETQq_1$ 1 0.784314 rg_{BT} / $Over$ 153	1.6	153
10	Defining a weak lensing experiment in space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 3103-3126.	1.6	74
11	Weak lensing peak count as a probe of $f(R)$ theories. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 430, 2896-2909.	1.6	19
12	The command and data processing unit of the EUCLID visible imager: impact of the data compression needs on the unit design. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
13	Constraining modified gravitational theories by weak lensing with Euclid. <i>Physical Review D</i> , 2011, 83, .	1.6	35
14	THE NONLINEAR BIASING OF THE z COSMOS GALAXIES UP TO $z \approx 1/4$ FROM THE 10k SAMPLE. <i>Astrophysical Journal</i> , 2011, 731, 102.	1.6	18
15	MASS AND ENVIRONMENT AS DRIVERS OF GALAXY EVOLUTION IN SDSS AND z COSMOS AND THE ORIGIN OF THE SCHECHTER FUNCTION. <i>Astrophysical Journal</i> , 2010, 721, 193-221.	1.6	1,485
16	THE 10k z COSMOS: MORPHOLOGICAL TRANSFORMATION OF GALAXIES IN THE GROUP ENVIRONMENT SINCE $z \approx 1/4$. <i>Astrophysical Journal</i> , 2010, 718, 86-104.	1.6	63
17	Understanding the shape of the galaxy two-point correlation function at $z \approx 1$ in the COSMOS field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 867-872.	1.6	24
18	The data handling unit of the Euclid imaging channels: from the observational requirements to the unit architecture. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2

#	ARTICLE	IF	CITATIONS
37	Data reduction and astrometry strategies for wide-field images: an application to the Capodimonte Deep Field. , 2002, 4836, 406.		8
38	Cosmological dipoles in depth. <i>Astrophysical Journal</i> , 1994, 422, 1.	1.6	13
39	A Hydrodynamic Approach to Cosmology: Nonlinear Effects on Cosmic Backgrounds in the Cold Dark Matter Model. <i>Astrophysical Journal</i> , 1993, 416, 399.	1.6	35
40	On the agreement between COBE anisotropy results and specific predictions from clusters of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1993, 262, L43-L47.	1.6	1
41	All-sky catalogs of superclusters of Abell-ACO clusters. <i>Astrophysical Journal</i> , 1993, 407, 470.	1.6	83
42	Cosmic microwave background fluctuations as observed by COBE - Theoretical and experimental uncertainties. <i>Astrophysical Journal</i> , 1993, 411, 1.	1.6	5
43	Possible geometric patterns in 0.1c scale structure. <i>Astrophysical Journal</i> , 1992, 388, 9.	1.6	50
44	Mass fluctuations on 600/h MPC - A result from clusters of galaxies. <i>Astrophysical Journal</i> , 1992, 390, L57.	1.6	7
45	A comparison of ACO and Abell catalogs of clusters. <i>Astronomical Journal</i> , 1991, 101, 342.	1.9	23
46	Non-Gaussian temperature fluctuations in the cosmic microwave background sky from a random Gaussian density field. <i>Astrophysical Journal</i> , 1991, 375, 439.	1.6	25
47	The distribution of clusters of galaxies within 300 Mpc/h and the crossover to an isotropic and homogeneous universe. <i>Astrophysical Journal</i> , 1991, 376, L1.	1.6	23
48	Constraints on the amplitude of primordial density fluctuations from the large-scale cosmic microwave background temperature distribution. <i>Astrophysical Journal</i> , 1990, 353, 372.	1.6	18
49	Data analysis and Monte Carlo simulation of a cosmic background radiation anisotropy experiment. <i>Astrophysical Journal</i> , 1989, 341, 163.	1.6	8
50	A recently reported 'bump' in the cosmic microwave background - When could it have originated?. <i>Astrophysical Journal</i> , 1989, 346, 607.	1.6	3
51	On the large-scale anisotropy of the cosmic microwave background. <i>Astrophysical Journal</i> , 1988, 331, L53.	1.6	7