

Roberto Scaramella

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

6,630
citations

201674

27
h-index

214800

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.	5.1	106
2	Cosmology and fundamental physics with the Euclid satellite. <i>Living Reviews in Relativity</i> , 2018, 21, 2.	26.7	602
3	Increasing the lensing figure of merit through higher order convergence moments. <i>Physical Review D</i> , 2018, 97, .	4.7	15
4	Large-scale retrospective relative spectrophotometric self-calibration in space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 3677-3698.	4.4	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.	4.4	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.	4.4	36
8	Cosmology and Fundamental Physics with the Euclid Satellite. <i>Living Reviews in Relativity</i> , 2013, 16, 6.	26.7	683
9	Origins of weak lensing systematics, and requirements on future instrumentation (or knowledge of) $T_j \text{ETQq1} \frac{1}{1} 0.784314 \text{rgBT} / \text{Over}$	4.4	153
10	Defining a weak lensing experiment in space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 431, 3103-3126.	4.4	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.	4.4	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, .	4.7	35
14	THE NONLINEAR BIASING OF THE z COSMOS GALAXIES UP TO $z \approx 1$ FROM THE 10k SAMPLE. <i>Astrophysical Journal</i> , 2011, 731, 102.	4.5	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.	4.5	1,485
16	THE 10k z COSMOS: MORPHOLOGICAL TRANSFORMATION OF GALAXIES IN THE GROUP ENVIRONMENT SINCE $z \approx 1$. <i>Astrophysical Journal</i> , 2010, 718, 86-104.	4.5	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.	4.4	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

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19	EZ: A Tool For Automatic Redshift Measurement. Publications of the Astronomical Society of the Pacific, 2010, 122, 827-838.	3.1	94
20	AN OPTICAL GROUP CATALOG TO $z < 1$ FROM THE zCOSMOS 10 k SAMPLE. Astrophysical Journal, 2009, 697, 1842-1860.	4.5	103
21	THE OPTICAL SPECTRA OF $24 \hat{1}/4m$ GALAXIES IN THE COSMIC EVOLUTION SURVEY FIELD. II. FAINT INFRARED SOURCES IN THE zCOSMOS-BRIGHT 10k CATALOG. Astrophysical Journal, 2009, 707, 1387-1403.	4.5	11
22	THE DEPENDENCE OF STAR FORMATION ACTIVITY ON STELLAR MASS SURFACE DENSITY AND SERSIC INDEX IN zCOSMOS GALAXIES AT $0.5 < z < 0.9$ COMPARED WITH SDSS GALAXIES AT $0.04 < z < 0.08$. Astrophysical Journal, 2009, 694, 1099-1114.	4.5	36
23	THE zCOSMOS 10k-BRIGHT SPECTROSCOPIC SAMPLE. Astrophysical Journal, Supplement Series, 2009, 184, 218-229.	7.7	481
24	A test of the nature of cosmic acceleration using galaxy redshift distortions. Nature, 2008, 451, 541-544.	27.8	545
25	The Optical Spectra of $24 \hat{1}/4m$ Galaxies in the COSMOS Field. I. <i>Spitzer</i> MIPS Bright Sources in the zCOSMOS-Bright 10k Catalog. Astrophysical Journal, 2008, 680, 939-961.	4.5	32
26	zCOSMOS: A Large VLT/VIMOS Redshift Survey Covering $0 < z < 3$ in the COSMOS Field. Astrophysical Journal, Supplement Series, 2007, 172, 70-85.	7.7	775
27	Hunting for Ghosts: Low Surface Brightness Galaxies from Pixels. Proceedings of the International Astronomical Union, 2007, 3, 295-299.	0.0	0
28	The GALEX -VVDS Measurement of the Evolution of the Far-Ultraviolet Luminosity Density and the Cosmic Star Formation Rate. Astrophysical Journal, 2005, 619, L47-L50.	4.5	278
29	The GALEX VIMOS-VLT Deep Survey Measurement of the Evolution of the 1500 \AA ... Luminosity Function. Astrophysical Journal, 2005, 619, L43-L46.	4.5	182
30	A large population of galaxies 9 to 12 billion years back in the history of the Universe. Nature, 2005, 437, 519-521.	27.8	43
31	The Very Large Telescope Visible Multi-Object Spectrograph Mask Preparation Software. Publications of the Astronomical Society of the Pacific, 2005, 117, 996-1003.	3.1	60
32	The VVDS Data-Reduction Pipeline: Introducing VIPGI, the VIMOS Interactive Pipeline and Graphical Interface. Publications of the Astronomical Society of the Pacific, 2005, 117, 1284-1295.	3.1	150
33	Bias in the estimation of global luminosity functions. Monthly Notices of the Royal Astronomical Society, 2004, 351, 541-551.	4.4	48
34	The dwarf LSB galaxy population of the Virgo cluster – I. The faint-end slope of the luminosity function. Monthly Notices of the Royal Astronomical Society, 2003, 341, 981-992.	4.4	73
35	GOHSS: A MOS fiber-fed multi-echelle spectrograph in the near infrared ($0.9-1.8 \hat{1}/4m$). , 2003, 4841, 94.		1
36	Virmos-VLT deep survey (VVDS). , 2003, 4834, 173.		22

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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.	4.5	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.	4.5	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.	4.4	1
41	All-sky catalogs of superclusters of Abell-ACO clusters. <i>Astrophysical Journal</i> , 1993, 407, 470.	4.5	83
42	Cosmic microwave background fluctuations as observed by COBE - Theoretical and experimental uncertainties. <i>Astrophysical Journal</i> , 1993, 411, 1.	4.5	5
43	Possible geometric patterns in 0.1c scale structure. <i>Astrophysical Journal</i> , 1992, 388, 9.	4.5	50
44	Mass fluctuations on 600/h MPC - A result from clusters of galaxies. <i>Astrophysical Journal</i> , 1992, 390, L57.	4.5	7
45	A comparison of ACO and Abell catalogs of clusters. <i>Astronomical Journal</i> , 1991, 101, 342.	4.7	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.	4.5	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.	4.5	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.	4.5	18
49	Data analysis and Monte Carlo simulation of a cosmic background radiation anisotropy experiment. <i>Astrophysical Journal</i> , 1989, 341, 163.	4.5	8
50	A recently reported 'bump' in the cosmic microwave background - When could it have originated?. <i>Astrophysical Journal</i> , 1989, 346, 607.	4.5	3
51	On the large-scale anisotropy of the cosmic microwave background. <i>Astrophysical Journal</i> , 1988, 331, L53.	4.5	7