

Stefano Andreon

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

3,935
citations

117625

34
h-index

128289

60
g-index

102
all docs

102
docs citations

102
times ranked

3376
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Euclid</i> preparation. <i>Astronomy and Astrophysics</i> , 2022, 657, A92.	5.1	15
2	Many-probes multi-object spatially-resolved analyses of galaxy clusters in the big data era. <i>EPL Web of Conferences</i> , 2022, 257, 00009.	0.3	1
3	Low X-ray surface brightness clusters: implications on the scatter of the M^{T} and L^{T} relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 4991-4998.	4.4	4
4	Stellar population gradients at cosmic noon as a constraint to the evolution of passive galaxies. <i>Astronomy and Astrophysics</i> , 2022, 660, A132.	5.1	3
5	Do gas-poor galaxy clusters have different galaxy populations? The positive covariance of hot and cold baryons. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 2968-2976.	4.4	2
6	<i>Euclid</i> preparation. <i>Astronomy and Astrophysics</i> , 2021, 647, A117.	5.1	7
7	<i>Euclid</i> preparation: IX. EuclidEmulator2 power spectrum emulation with massive neutrinos and self-consistent dark energy perturbations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2840-2869.	4.4	62
8	Thermodynamic evolution of the $z = 1.75$ galaxy cluster IDCS J1426.5+3508. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5896-5909.	4.4	8
9	Euclid: the selection of quiescent and star-forming galaxies using observed colours. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2337-2354.	4.4	9
10	JoXSZ: Joint X-SZ fitting code for galaxy clusters. <i>Astronomy and Astrophysics</i> , 2020, 639, A73.	5.1	6
11	<i>Euclid</i> preparation. <i>Astronomy and Astrophysics</i> , 2020, 644, A31.	5.1	39
12	Evidence for radially independent size growth of early-type galaxies in clusters. <i>Astronomy and Astrophysics</i> , 2020, 640, A34.	5.1	6
13	<i>Euclid</i> preparation. <i>Astronomy and Astrophysics</i> , 2019, 627, A23.	5.1	51
14	PreProFit: Pressure Profile Fitter for galaxy clusters. <i>Astronomy and Astrophysics</i> , 2019, 632, A22.	5.1	6
15	Why are some galaxy clusters underluminous?. <i>Astronomy and Astrophysics</i> , 2019, 630, A78.	5.1	12
16	Molecular gas in two companion cluster galaxies at $z = 1.2$ (Corrigendum). <i>Astronomy and Astrophysics</i> , 2018, 620, C4.	5.1	0
17	Molecular gas in two companion cluster galaxies at $z = 1.2$. <i>Astronomy and Astrophysics</i> , 2018, 617, A103.	5.1	18
18	The cosmic epoch dependence of environmental effects on size evolution of red-sequence early-type galaxies. <i>Astronomy and Astrophysics</i> , 2018, 617, A53.	5.1	15

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19	Intrinsic scatter of caustic masses and hydrostatic bias: An observational study. <i>Astronomy and Astrophysics</i> , 2017, 606, A25.	5.1	9
20	Size growth of red-sequence early-type galaxies in clusters in the last 10 Gyr (Corrigendum). <i>Astronomy and Astrophysics</i> , 2017, 602, C1.	5.1	1
21	Variegated galaxy cluster gas content: Mean fraction, scatter, selection effects, and covariance with X-ray luminosity. <i>Astronomy and Astrophysics</i> , 2017, 606, A24.	5.1	14
22	Size growth of red-sequence early-type galaxies in clusters in the last 10 Gyr. <i>Astronomy and Astrophysics</i> , 2016, 593, A2.	5.1	24
23	Richness-based masses of rich and famous galaxy clusters. <i>Astronomy and Astrophysics</i> , 2016, 587, A158.	5.1	13
24	The amazing diversity in the hot gas content of an X-ray unbiased massive galaxy clusters sample. <i>Astronomy and Astrophysics</i> , 2016, 585, A147.	5.1	24
25	Making the observational parsimonious richness a working mass proxy. <i>Astronomy and Astrophysics</i> , 2015, 582, A100.	5.1	20
26	Relative distribution of dark matter and stellar mass in three massive galaxy clusters. <i>Astronomy and Astrophysics</i> , 2015, 575, A108.	5.1	11
27	Bayesian Methods for the Physical Sciences. Springer Series in Astrostatistics, 2015, , .	0.6	22
28	Do cluster properties affect the quenching rate?. <i>Astronomy and Astrophysics</i> , 2014, 570, A123.	5.1	10
29	The important role of evolution in the <i>Planck</i> Y_{SZ} -mass calibration. <i>Astronomy and Astrophysics</i> , 2014, 570, L10.	5.1	17
30	The insignificant evolution of the richness-mass relation of galaxy clusters. <i>Astronomy and Astrophysics</i> , 2014, 568, A23.	5.1	34
31	SPECTROSCOPIC CONFIRMATION OF THE RICH $z = 1.80$ GALAXY CLUSTER JKCS 041 USING THE WFC3 GRISM: ENVIRONMENTAL TRENDS IN THE AGES AND STRUCTURE OF QUIESCENT GALAXIES. <i>Astrophysical Journal</i> , 2014, 788, 51.	4.5	141
32	Chemical evolution on the scale of clusters of galaxies: a conundrum?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 444, 3581-3591.	4.4	46
33	JKCS 041: a Coma cluster progenitor at $z = 1.803$. <i>Astronomy and Astrophysics</i> , 2014, 565, A120.	5.1	74
34	Measurement errors and scaling relations in astrophysics: a review. <i>Statistical Analysis and Data Mining</i> , 2013, 6, 15-33.	2.8	32
35	Observational evidence that massive cluster galaxies were forming stars at $z \sim 2.5$ and did not grow in mass at later times. <i>Astronomy and Astrophysics</i> , 2013, 554, A79.	5.1	23
36	The VISTA Deep Extragalactic Observations (VIDEO) survey.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 1281-1295.	4.4	235

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37	Galaxy mass, cluster-centric distance and secular evolution: their role in the evolution of galaxies in clusters in the last 10 Gyr. <i>Astronomy and Astrophysics</i> , 2012, 543, A19.	5.1	33
38	Richness-mass relation self-calibration for galaxy clusters. <i>Astronomy and Astrophysics</i> , 2012, 547, A117.	5.1	29
39	The enrichment history of the intracluster medium: a Bayesian approach. <i>Astronomy and Astrophysics</i> , 2012, 546, A6.	5.1	27
40	A low-scatter survey-based mass proxy for clusters of galaxies. <i>Astronomy and Astrophysics</i> , 2012, 548, A83.	5.1	33
41	Star formation and environment in clusters up to $z \sim 2.2$. <i>Astronomy and Astrophysics</i> , 2012, 537, A88.	5.1	19
42	The extreme synchronicity of stellar ages of red galaxies in the JKCS041 cluster at $z \sim 2.2$. <i>Astronomy and Astrophysics</i> , 2011, 529, L5.	5.1	9
43	Red sequence determination of the redshift of the cluster of galaxies JKCS041: $z \sim 2.2$. <i>Astronomy and Astrophysics</i> , 2011, 526, A11.	5.1	29
44	Do X-ray dark or underluminous galaxy clusters exist?. <i>Astronomy and Astrophysics</i> , 2011, 536, A37.	5.1	26
45	Cluster X-ray luminosity-temperature relation at $z \sim 1.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 412, 2391-2395.	4.4	26
46	The scaling relation between richness and mass of galaxy clusters: a Bayesian approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , .	4.4	30
47	The stellar mass fraction and baryon content of galaxy clusters and groups. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 407, 263-276.	4.4	118
48	GALAXY CLUSTERS AT $z \sim 1$: GAS CONSTRAINTS FROM THE SUNYAEV-ZEL'DOVICH ARRAY. <i>Astrophysical Journal Letters</i> , 2010, 723, L78-L83.	8.3	21
49	JKCS041: a colour-detected galaxy cluster at $z_{\text{phot}} \sim 1.9$ with deep potential well as confirmed by X-ray data. <i>Astronomy and Astrophysics</i> , 2009, 507, 147-157.	5.1	67
50	A multi-wavelength survey of AGN in the XMM-LSS field. <i>Astronomy and Astrophysics</i> , 2009, 494, 579-589.	5.1	8
51	The population of early-type galaxies at $z < 1$ & $z < 2$ - new clues on their formation and evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 718-732.	4.4	83
52	Scaling relations of the colour-detected cluster RzCS 052 at $z = 1.016$ and some other high-redshift clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 383, 102-112.	4.4	27
53	Galaxy evolution in the high-redshift, colour-selected cluster RzCS 052 at $z = 1.02$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 385, 979-985.	4.4	35
54	The history of mass assembly of faint red galaxies in 28 galaxy clusters since $z \sim 1.3$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 1045-1052.	4.4	68

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55	Testing the galaxy cluster mass-observable relations at $z=1$ with XMM-Newton and Chandra observations of XLSSJ022403.9+041328. Monthly Notices of the Royal Astronomical Society, 2008, 387, 998-1006.	4.4	27
56	Morphology of galaxies in the Coma cluster region down to $M_{\text{B}} = -14.25$. Astronomy and Astrophysics, 2008, 490, 923-928.	5.1	22
57	Spectral Energy Distributions of Hard X-ray Selected Active Galactic Nuclei in the XMM-Newton Medium Deep Survey. Astrophysical Journal, 2007, 663, 81-102.	4.5	684
58	Obscured and unobscured AGN populations in a hard-X-ray selected sample of the XMDS survey. Astronomy and Astrophysics, 2007, 467, 73-91.	5.1	36
59	The XMM-Large Scale Structure catalogue: X-ray sources and associated optical data. Version I. Monthly Notices of the Royal Astronomical Society, 2007, 382, 279-290.	4.4	62
60	The XMM-LSS survey: the Class 1 cluster sample over the initial 5 deg ² and its cosmological modelling. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1289-1308.	4.4	137
61	The Butcher-Oemler effect at $z \sim 0.35$: a change in perspective. Monthly Notices of the Royal Astronomical Society, 2006, 365, 915-928.	4.4	50
62	The build-up of the red sequence in the galaxy cluster MS1054+0321 at $z = 0.831$. Monthly Notices of the Royal Astronomical Society, 2006, 369, 969-975.	4.4	53
63	New evidence for a linear colour-magnitude relation and a single Schechter function for red galaxies in a nearby cluster of galaxies down to $M^* + 8$. Monthly Notices of the Royal Astronomical Society, 2006, 372, 60-68.	4.4	34
64	XMM-LSS discovery of a galaxy cluster. Monthly Notices of the Royal Astronomical Society, 2006, 371, 1427-1434.	4.4	56
65	The XMM-Large-Scale Structure survey: a well-controlled X-ray cluster sample over the D1 CFHTLS area. Monthly Notices of the Royal Astronomical Society, 2006, 372, 591-608.	4.4	54
66	The buildup of stellar mass and the 3.6 μm luminosity function in clusters from $z = 1.25$ to $z = 0.2$. Astronomy and Astrophysics, 2006, 448, 447-456.	5.1	36
67	Batch discovery of nine $z \sim 1$ clusters using X-ray and K α , $z \sim 2$ images. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1250-1260.	4.4	37
68	Rigorous luminosity function determination in the presence of a background: theory and application to two intermediate redshift clusters. Monthly Notices of the Royal Astronomical Society, 2005, 360, 727-736.	4.4	46
69	The XMM Large-Scale Structure survey: an initial sample of galaxy groups and clusters to a redshift $z < 0.6$. Monthly Notices of the Royal Astronomical Society, 2005, 363, 675-691.	4.4	46
70	The XMM-LSS survey. Survey design and first results. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 011-011.	5.4	148
71	Extending the Butcher-Oemler effect up to $z \sim 0.7$. Monthly Notices of the Royal Astronomical Society, 2004, 349, 889-898.	4.4	33
72	Galaxy evolution in clusters up to $z = 1.0$. Monthly Notices of the Royal Astronomical Society, 2004, 353, 353-368.	4.4	34

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73	Constraining dark energy models using the lookback time to galaxy clusters and the age of the universe. <i>Physical Review D</i> , 2004, 70, .	4.7	61
74	Galaxy evolution in clusters from $z=1$ to $z=0$. <i>Proceedings of the International Astronomical Union</i> , 2004, 2004, .	0.0	1
75	Galaxy luminosity evolution: How much is due to model choice?. <i>Astronomy and Astrophysics</i> , 2004, 416, 865-873.	5.1	13
76	The XMM-LSS survey. <i>Astronomy and Astrophysics</i> , 2004, 423, 75-85.	5.1	46
77	Homogeneity of early-type galaxies across clusters. <i>Astrophysics and Space Science</i> , 2003, 285, 143-147.	1.4	5
78	Neural Networks for Photometric Redshifts Evaluation. <i>Lecture Notes in Computer Science</i> , 2003, , 226-234.	1.3	36
79	Homogeneity of early-type galaxies across clusters. <i>Astronomy and Astrophysics</i> , 2003, 409, 37-52.	5.1	36
80	The $z \approx 0.1$ surface brightness distribution. <i>Astronomy and Astrophysics</i> , 2003, 399, L35-L38.	5.1	6
81	The multiplicity function of galaxies. <i>Astronomy and Astrophysics</i> , 2003, 403, 73-81.	5.1	2
82	Homogeneity of Early-Type Galaxies Across Clusters. , 2003, , 143-147.		0
83	Dim galaxies and outer halos of galaxies missed by 2MASS? The near-infrared luminosity function and density. <i>Astronomy and Astrophysics</i> , 2002, 382, 495-502.	5.1	41
84	Wide field imaging - I. Applications of neural networks to object detection and star/galaxy classification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 319, 700-716.	4.4	55
85	K -band luminosity (mass) segregation in $AC118$ at $z = 0.31$. <i>Astronomy and Astrophysics</i> , 2002, 382, 821-828.	5.1	16
86	Dissecting the Luminosity Function of the Coma Cluster of Galaxies Using Canada-France-Hawaii Telescope1 Wide-Field Images. <i>Astrophysical Journal</i> , 2002, 569, 144-156.	4.5	41
87	Photometric validation of a model independent procedure to extract galaxy clusters. <i>Astronomy and Astrophysics</i> , 2001, 379, 426-435.	5.1	7
88	Deep Near-Infrared Luminosity Function of a Cluster of Galaxies at $z \approx 0.3$. <i>Astrophysical Journal</i> , 2001, 547, 623-634.	4.5	29
89	Luminosity function of clusters of galaxies. <i>Astronomy and Astrophysics</i> , 2001, 367, 59-71.	5.1	62
90	Extensive near-infrared (H-band) photometry in Coma. <i>Astronomy and Astrophysics</i> , 2000, 141, 113-122.	2.1	8

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91	Is the Butcher&Oemler Effect a Function of the Cluster Redshift?. Astrophysical Journal, 1999, 516, 647-659.	4.5	59
92	Is There a Deficit of S0 Galaxies at Intermediate Redshift?. Astrophysical Journal, 1998, 501, 533-538.	4.5	53
93	Morphological classification and structural parameters of galaxies in the Coma and Perseus clusters. Astronomy and Astrophysics, 1997, 126, 67-72.	2.1	13
94	Two-Color Surface Photometry of Brightest Cluster Members. Astronomical Journal, 1997, 113, 1973.	4.7	6
95	Morphological classification and structural parameters for early-type galaxies in the Coma cluster. Astronomy and Astrophysics, 1996, 116, 429-445.	2.1	26
96	Neural nets and star/galaxy separation in wide field astronomical images. , 0, , .		1
97	A Bayesian approach to galaxy evolution studies. , 0, , 265-282.		1
98	NExt (Neural Extractor): a New Automated Tool for Extracting Catalogues from Astronomical Images. , 0, , 379-385.		0
99	Newcomers and suburbanites can drive the evolution of the size-stellar mass relation of early type galaxies in galaxy clusters. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	3