Stefano Andreon

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3373278/publications.pdf

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	Spectral Energy Distributions of Hard Xâ€Ray Selected Active Galactic Nuclei in theXMMâ€NewtonMedium Deep Survey. Astrophysical Journal, 2007, 663, 81-102.	4.5	684
2	The VISTA Deep Extragalactic Observations (VIDEO) surveyâ˜…. Monthly Notices of the Royal Astronomical Society, 2013, 428, 1281-1295.	4.4	235
3	The XMM-LSS survey. Survey design and first results. Journal of Cosmology and Astroparticle Physics, 2004, 2004, 011-011.	5.4	148
4	SPECTROSCOPIC CONFIRMATION OF THE RICHz= 1.80 GALAXY CLUSTER JKCS 041 USING THE WFC3 GRISM: ENVIRONMENTAL TRENDS IN THE AGES AND STRUCTURE OF QUIESCENT GALAXIES. Astrophysical Journal, 2014, 788, 51.	4.5	141
5	The XMM-LSS survey: the Class 1 cluster sample over the initial 5 deg2 and its cosmological modelling. Monthly Notices of the Royal Astronomical Society, 2007, 382, 1289-1308.	4.4	137
6	The stellar mass fraction and baryon content of galaxy clusters and groups. Monthly Notices of the Royal Astronomical Society, 2010, 407, 263-276.	4.4	118
7	The population of early-type galaxies at1 < z < 2- new clues on their formation and evolution. Monthly Notices of the Royal Astronomical Society, 2009, 392, 718-732.	4.4	83
8	JKCSâ€‰041: a Coma cluster progenitor atz= 1.803. Astronomy and Astrophysics, 2014, 565, A120.	5.1	74
9	The history of mass assembly of faint red galaxies in 28 galaxy clusters since z =Â 1.3. Monthly Notices of the Royal Astronomical Society, 2008, 386, 1045-1052.	4.4	68
10	JKCSâ€‰041: a colour-detected galaxy cluster at $z_{mathrm{phot}}$ ~ 1.9 with deep potential well as confirmed by X-ray data. Astronomy and Astrophysics, 2009, 507, 147-157.	5.1	67
11	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
12	Euclid preparation: IX. EuclidEmulator2 â€“ power spectrum emulation with massive neutrinos and self-consistent dark energy perturbations. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2840-2869.	4.4	62
13	Luminosity function of clusters of galaxies. Astronomy and Astrophysics, 2001, 367, 59-71.	5.1	62
14	Constraining dark energy models using the lookback time to galaxy clusters and the age of the universe. Physical Review D, 2004, 70, .	4.7	61
15	Is the Butcherâ€Oemler Effect a Function of the Cluster Redshift?. Astrophysical Journal, 1999, 516, 647-659.	4.5	59
16	XMM-LSS discovery of a galaxy cluster. Monthly Notices of the Royal Astronomical Society, 2006, 371, 1427-1434.	4.4	56
17	Wide field imaging - I. Applications of neural networks to object detection and star/galaxy classification. Monthly Notices of the Royal Astronomical Society, 2002, 319, 700-716.	4.4	55
18	TheXMMLarge-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

#	Article	IF	Citations
19	Is There a Deficit of S0 Galaxies at Intermediate Redshift?. Astrophysical Journal, 1998, 501, 533-538.	4.5	53
20	The build-up of the red sequence in the galaxy cluster MS1054â˜'0321 at z= 0.831. Monthly Notices of the Royal Astronomical Society, 2006, 369, 969-975.	4.4	53
21	Euclid preparation. Astronomy and Astrophysics, 2019, 627, A23.	5.1	51
22	The Butcher-Oemler effect at zÂ 0.35: a change in perspective. Monthly Notices of the Royal Astronomical Society, 2006, 365, 915-928.	4.4	50
23	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
24	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
25	Chemical evolution on the scale of clusters of galaxies: a conundrum?. Monthly Notices of the Royal Astronomical Society, 2014, 444, 3581-3591.	4.4	46
26	The XMM-LSS survey. Astronomy and Astrophysics, 2004, 423, 75-85.	5.1	46
27	Dim galaxies and outer halos of galaxies missed by 2MASS? The nearâ€"infrared luminosity function and density. Astronomy and Astrophysics, 2002, 382, 495-502.	5.1	41
28	Dissecting the Luminosity Function of the Coma Cluster of Galaxies Using Canadaâ€Franceâ€Hawaii Telescope1 Wideâ€Field Images. Astrophysical Journal, 2002, 569, 144-156.	4.5	41
29	Euclid preparation. Astronomy and Astrophysics, 2020, 644, A31.	5.1	39
30	Batch discovery of nineâ¼ 1 clusters using X-ray andKorR,zâ€² images. Monthly Notices of the Royal Astronomical Society, 2005, 359, 1250-1260.	4.4	37
31	Neural Networks for Photometric Redshifts Evaluation. Lecture Notes in Computer Science, 2003, , 226-234.	1.3	36
32	Homogeneity of early-type galaxies across clusters. Astronomy and Astrophysics, 2003, 409, 37-52.	5.1	36
33	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
34	The buildup of stellar mass and the 3.6Î¼m luminosity function in clusters fromzâ€‰=â€‰1.25 tozâ€‰=â€‰0.2. Astronomy and Astrophysics, 2006, 448, 447-456.	5.1	36
35	Galaxy evolution in the high-redshift, colour-selected cluster RzCS 052 at z = 1.02. Monthly Notices of the Royal Astronomical Society, 2008, 385, 979-985.	4.4	35
36	Galaxy evolution in clusters up toz= 1.0. Monthly Notices of the Royal Astronomical Society, 2004, 353, 353-368.	4.4	34

#	Article	IF	Citations
37	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
38	The insignificant evolution of the richness-mass relation of galaxy clusters. Astronomy and Astrophysics, 2014, 568, A23.	5.1	34
39	Extending the Butcher-Oemler effect up tozâˆ¼ 0.7. Monthly Notices of the Royal Astronomical Society, 2004, 349, 889-898.	4.4	33
40	Galaxy mass, cluster-centric distance and secular evolution: their role in the evolution of galaxies in clusters in the last 10 Gyr. Astronomy and Astrophysics, 2012, 543, A19.	5.1	33
41	A low-scatter survey-based mass proxy for clusters of galaxies. Astronomy and Astrophysics, 2012, 548, A83.	5.1	33
42	Measurement errors and scaling relations in astrophysics: a review. Statistical Analysis and Data Mining, 2013, 6, 15-33.	2.8	32
43	The scaling relation between richness and mass of galaxy clusters: a Bayesian approach. Monthly Notices of the Royal Astronomical Society, 2010, , .	4.4	30
44	Deep Nearâ€Infrared Luminosity Function of a Cluster of Galaxies atzâ€‰=â€‰0.3. Astrophysical Journal, 2001, 547, 623-634.	4.5	29
45	Red sequence determination of the redshift of the cluster of galaxies JKCSâ€‰041:zâ€‰Â~â€‰2.2. Astronomy and Astrophysics, 2011, 526, A11.	5.1	29
46	Richness-mass relation self-calibration for galaxy clusters. Astronomy and Astrophysics, 2012, 547, A117.	5.1	29
47	Scaling relations of the colour-detected cluster RzCS 052 at z= 1.016 and some other high-redshift clusters. Monthly Notices of the Royal Astronomical Society, 2008, 383, 102-112.	4.4	27
48	Testing the galaxy cluster mass-observable relations atz=1 withXMM-NewtonandChandraobservations of XLSSJ022403.9â^'041328. Monthly Notices of the Royal Astronomical Society, 2008, 387, 998-1006.	4.4	27
49	The enrichment history of the intracluster medium: a Bayesian approach. Astronomy and Astrophysics, 2012, 546, A6.	5.1	27
50	Do X-ray dark or underluminous galaxy clusters exist?. Astronomy and Astrophysics, 2011, 536, A37.	5.1	26
51	Cluster X-ray luminosity-temperature relation at zâ‰³ 1.5. Monthly Notices of the Royal Astronomical Society, 2011, 412, 2391-2395.	4.4	26
52	Morphological classification and structural parameters for early-type galaxies in the Coma cluster. Astronomy and Astrophysics, 1996, 116, 429-445.	2.1	26
53	Size growth of red-sequence early-type galaxies in clusters in the last 10 Gyr. Astronomy and Astrophysics, 2016, 593, A2.	5.1	24
54	The amazing diversity in the hot gas content of an X-ray unbiased massive galaxy clusters sample. Astronomy and Astrophysics, 2016, 585, A147.	5.1	24

#	Article	IF	Citations
55	Observational evidence that massive cluster galaxies were forming stars atz~ 2.5 and did not grow in mass at later times. Astronomy and Astrophysics, 2013, 554, A79.	5.1	23
56	Morphology of galaxies in the Coma cluster region down to M$_{extit{large B}}$ = â€“14.25. Astronomy and Astrophysics, 2008, 490, 923-928.	5.1	22
57	Bayesian Methods for the Physical Sciences. Springer Series in Astrostatistics, 2015, , .	0.6	22
58	GALAXY CLUSTERS AT z â©¾ 1: GAS CONSTRAINTS FROM THE SUNYAEVâ€“ZEL'DOVICH ARRAY. Astrophysical Journal Letters, 2010, 723, L78-L83.	8.3	21
59	Making the observational parsimonious richness a working mass proxy. Astronomy and Astrophysics, 2015, 582, A100.	5.1	20
60	Star formation and environment in clusters up tozâ€‰Â~Ââ€‰2.2. Astronomy and Astrophysics, 2012, 537, A88.	5.1	19
61	Molecular gas in two companion cluster galaxies at z = 1.2. Astronomy and Astrophysics, 2018, 617, A103.	5.1	18
62	The important role of evolution in thePlanck Y_{SZ}-mass calibration. Astronomy and Astrophysics, 2014, 570, L10.	5.1	17
63	$vec{K}$â€“band luminosity (mass) segregation in ACâ€‰118 at $vec {z}$ = 0.31. Astronomy and Astrophysics, 2002, 382, 821-828.	5.1	16
64	Euclid preparation. Astronomy and Astrophysics, 2022, 657, A92.	5.1	15
65	The cosmic epoch dependence of environmental effects on size evolution of red-sequence early-type galaxies. Astronomy and Astrophysics, 2018, 617, A53.	5.1	15
66	Variegate galaxy cluster gas content: Mean fraction, scatter, selection effects, and covariance with X-ray luminosity. Astronomy and Astrophysics, 2017, 606, A24.	5.1	14
67	Richness-based masses of rich and famous galaxy clusters. Astronomy and Astrophysics, 2016, 587, A158.	5.1	13
68	Galaxy luminosity evolution: How much is due to model choice?. Astronomy and Astrophysics, 2004, 416, 865-873.	5.1	13
69	Morphological classification and structural parameters of galaxies in the Coma and Perseus clusters. Astronomy and Astrophysics, 1997, 126, 67-72.	2.1	13
70	Why are some galaxy clusters underluminous?. Astronomy and Astrophysics, 2019, 630, A78.	5.1	12
71	Relative distribution of dark matter and stellar mass in three massive galaxy clusters. Astronomy and Astrophysics, 2015, 575, A108.	5.1	11
72	Do cluster properties affect the quenching rate?. Astronomy and Astrophysics, 2014, 570, A123.	5.1	10

#	Article	IF	Citations
73	The extreme synchronicity of stellar ages of red galaxies in the JKCSâ€‰041 cluster atzÂ=Â2.2. Astronomy and Astrophysics, 2011, 529, L5.	5.1	9
74	Intrinsic scatter of caustic masses and hydrostatic bias: An observational study. Astronomy and Astrophysics, 2017, 606, A25.	5.1	9
75	Euclid: the selection of quiescent and star-forming galaxies using observed colours. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2337-2354.	4.4	9
76	A multi-wavelength survey of AGN in the XMM-LSS field. Astronomy and Astrophysics, 2009, 494, 579-589.	5.1	8
77	Thermodynamic evolution of the z = 1.75 galaxy cluster IDCS J1426.5+3508. Monthly Notices of the Royal Astronomical Society, 2021, 505, 5896-5909.	4.4	8
78	Extensive near-infrared (H-band) photometry in Coma. Astronomy and Astrophysics, 2000, 141, 113-122.	2.1	8
79	Photometric validation of a model independent procedure to extract galaxy clusters. Astronomy and Astrophysics, 2001, 379, 426-435.	5.1	7
80	Euclid preparation. Astronomy and Astrophysics, 2021, 647, A117.	5.1	7
81	The zâ€‰ â‰‰â€‰0.1 surface brightness distribution. Astronomy and Astrophysics, 2003, 399, L35-L38.	5.1	6
82	PreProFit: Pressure Profile Fitter for galaxy clusters. Astronomy and Astrophysics, 2019, 632, A22.	5.1	6
83	JoXSZ: Joint X-SZ fitting code for galaxy clusters. Astronomy and Astrophysics, 2020, 639, A73.	5.1	6
84	Two-Color Surface Photometry of Brightest Cluster Members. Astronomical Journal, 1997, 113, 1973.	4.7	6
85	Evidence for radially independent size growth of early-type galaxies in clusters. Astronomy and Astrophysics, 2020, 640, A34.	5.1	6
86	Homogeneity of early-type galaxies across clusters. Astrophysics and Space Science, 2003, 285, 143-147.	1.4	5
87	Low X-ray surface brightness clusters: implications on the scatter of the Mâ€“T and Lâ€“T relations. Monthly Notices of the Royal Astronomical Society, 2022, 511, 4991-4998.	4.4	4
88	Stellar population gradients at cosmic noon as a constraint to the evolution of passive galaxies. Astronomy and Astrophysics, 2022, 660, A132.	5.1	3
89	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
90	The multiplicity function of galaxies. Astronomy and Astrophysics, 2003, 403, 73-81.	5.1	2

#	Article	IF	Citations
91	Do gas-poor galaxy clusters have different galaxy populations? The positive covariance of hot and cold baryons. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2968-2976.	4.4	2
92	Neural nets and star/galaxy separation in wide field astronomical images. , 0, , .		1
93	Galaxy evolution in clusters from z=1 to z=0. Proceedings of the International Astronomical Union, 2004, 2004, .	0.0	1
94	A Bayesian approach to galaxy evolution studies. , 0, , 265-282.		1
95	Size growth of red-sequence early-type galaxies in clusters in the last 10 Gyr (Corrigendum). Astronomy and Astrophysics, 2017, 602, C1.	5.1	1
96	Many-probes multi-object spatially-resolved analyses of galaxy clusters in the big data era. EPJ Web of Conferences, 2022, 257, 00009.	0.3	1
97	Molecular gas in two companion cluster galaxies at z = 1.2 (Corrigendum). Astronomy and Astrophysics, 2018, 620, C4.	5.1	0
98	Homogeneity of Early-Type Galaxies Across Clusters. , 2003, , 143-147.		0
99	NExt (Neural Extractor): a New Automated Tool for Extracting Catalogues from Astronomical Images. , 0, , 379-385.		0