Ricardo Demarco

List of Publications by Year
in descending order

71 papers	3,749 citations	109321 35 h-index	128289 60 g-index
71 all docs	71 docs citations	71 times ranked	2475 citing authors

#	Article	IF	Citations
1	The Morphologyâ€Density Relation inzâ¼ 1 Clusters. Astrophysical Journal, 2005, 623, 721-741.	4.5	328
2	THE GEMINI CLUSTER ASTROPHYSICS SPECTROSCOPIC SURVEY (GCLASS): THE ROLE OF ENVIRONMENT AND SELF-REGULATION IN GALAXY EVOLUTION ATzâ¼ 1. Astrophysical Journal, 2012, 746, 188.	4.5	270
3	Evidence for significant growth in the stellar mass of brightest cluster galaxies over the past 10 billion years. Monthly Notices of the Royal Astronomical Society, 2012, 427, 550-568.	4.4	155
4	GOODS-ALMA: 1.1 mm galaxy survey. Astronomy and Astrophysics, 2018, 620, A152.	5.1	147
5	CLASH-VLT: The mass, velocity-anisotropy, and pseudo-phase-space density profiles of thez= 0.44 galaxy cluster MACS J1206.2-0847. Astronomy and Astrophysics, 2013, 558, A1.	5.1	145
6	SPECTROSCOPIC CONFIRMATION OF A MASSIVE RED-SEQUENCE-SELECTED GALAXY CLUSTER ATz= 1.34 IN THE SpARCS-SOUTH CLUSTER SURVEY. Astrophysical Journal, 2009, 698, 1943-1950.	4.5	141
7	SPECTROSCOPIC CONFIRMATION OF TWO MASSIVE RED-SEQUENCE-SELECTED GALAXY CLUSTERS ATzâ¼ 1.2 IN THE SpARCS-NORTH CLUSTER SURVEY. Astrophysical Journal, 2009, 698, 1934-1942.	4.5	130
8	Clusters at Half Hubble Time: Galaxy Structure and Colors in RX J0152.7â^'1357 and MS 1054â^'03. Astrophysical Journal, 2006, 644, 30-53.	4.5	113
9	The environmental dependence of the stellar mass function atz~ 1. Astronomy and Astrophysics, 2013, 557, A15.	5.1	100
10	The importance of major mergers in the build up of stellar mass in brightest cluster galaxies at zÂ= 1. Monthly Notices of the Royal Astronomical Society, 2013, 433, 825-837.	4.4	89
11	Weakâ€Lensing Analysis of thezâ€‰â‰ƒâ€‰0.8 Cluster CL 0152â^'1357 with the Advanced Camera for Surveys. Astrophysical Journal, 2005, 618, 46-67.	4.5	88
12	DISCOVERY OF A RICH CLUSTER ATz= 1.63 USING THE REST-FRAME 1.6 Î¼m â€œSTELLAR BUMP SEQUENCEâ€• METHOD. Astrophysical Journal, 2013, 767, 39.	4.5	87
13	Cluster galaxies in XMMU J2235-2557: galaxy population properties in most massive environments atzâ€‰Â~Ââ€‰1.4. Astronomy and Astrophysics, 2010, 524, A17.	5.1	81
14	A VLT spectroscopic survey of RXÂJ0152.7-1357, a forming cluster of galaxies atz= 0.837. Astronomy and Astrophysics, 2005, 432, 381-394.	5.1	72
15	SPECTROSCOPIC CONFIRMATION OF THREE RED-SEQUENCE SELECTED GALAXY CLUSTERS ATz= 0.87, 1.16, AND 1.21 FROM THE SPARCS SURVEY. Astrophysical Journal, 2010, 711, 1185-1197.	4.5	71
16	Mass Selection and the Evolution of the Morphologyâ€Density Relation fromz= 0.8 to 0. Astrophysical Journal, 2007, 670, 190-205.	4.5	70
17	Larger sizes of massive quiescent early-type galaxies in clusters than in the field at 0.8Â<ÂzÂ<Â1.5. Monthly Notices of the Royal Astronomical Society, 2014, 441, 203-223.	4.4	69
18	Stellar mass function of cluster galaxies atz~ 1.5: evidence for reduced quenching efficiency at high redshift. Astronomy and Astrophysics, 2016, 592, A161.	5.1	68

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19	ALMA Observations of Gas-rich Galaxies in zÂâˆ¼Â1.6 Galaxy Clusters: Evidence for Higher Gas Fractions in High-density Environments. Astrophysical Journal Letters, 2017, 842, L21.	8.3	67
20	Evidence for strong evolution in galaxy environmental quenching efficiency between z = 1.6 and z = 0.9. Monthly Notices of the Royal Astronomical Society: Letters, 0, , .	3.3	63
21	The Nascent Red Sequence at documentclass{aastex} usepackage{amsbsy} usepackage{amsfonts} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{ enewcommandmdefault{wncyr} enewcommandsfdefault{wncyss} enewcommandencodingdefault{OT2} ormalfont selectfont} DeclareTextFontCommand{extcyr}	4.5	62
22	CLASH-VLT: Environment-driven evolution of galaxies in the<i>z</i>= 0.209 cluster Abell 209. Astronomy and Astrophysics, 2016, 585, A160.	5.1	54
23	The ALMA Frontier Fields Survey. Astronomy and Astrophysics, 2017, 597, A41.	5.1	54
24	The Evolution of Environmental Quenching Timescales to zÂâˆ¼Â1.6: Evidence for Dynamically Driven Quenching of the Cluster Galaxy Population. Astrophysical Journal, 2018, 866, 136.	4.5	54
25	The GOGREEN Survey: A deep stellar mass function of cluster galaxies at 1.0Â<Â<i>z</i>Â<Â1.4 and the complex nature of satellite quenching. Astronomy and Astrophysics, 2020, 638, A112.	5.1	53
26	EARLY-TYPE GALAXIES AT<i>z</i>= 1.3. I. THE LYNX SUPERCLUSTER: CLUSTER AND GROUPS AT<i>z</i>= 1.3. MORPHOLOGY AND COLOR-MAGNITUDE RELATION. Astrophysical Journal, 2012, 754, 141.	4.5	52
27	CLASH-VLT: The stellar mass function and stellar mass density profile of the<i>z</i>= 0.44 cluster of galaxies MACS J1206.2-0847. Astronomy and Astrophysics, 2014, 571, A80.	5.1	50
28	Internal dynamics of thezâ€‰~â€‰0.8 cluster RXâ€‰J0152.7-1357. Astronomy and Astrophysics, 2005, 442, 2941.	5.1	46
29	EARLY-TYPE GALAXIES AT<i>z</i>âˆ¼ 1.3. IV. SCALING RELATIONS IN DIFFERENT ENVIRONMENTS. Astrophysical Journal, 2012, 745, 130.	4.5	45
30	CLASH-VLT: Substructure in the galaxy cluster MACS J1206.2-0847 from kinematics of galaxy populations. Astronomy and Astrophysics, 2015, 579, A4.	5.1	45
31	The GOGREEN survey: the environmental dependence of the star-forming galaxy main sequence at 1.0 < <i>z</i> < 1.5. Monthly Notices of the Royal Astronomical Society, 2020, 493, 5987-6000.	4.4	43
32	GOODS-ALMA 2.0: Source catalog, number counts, and prevailing compact sizes in 1.1 mm galaxies. Astronomy and Astrophysics, 2022, 658, A43.	5.1	43
33	<i>HST</i>/WFC3 grism observations of<i>z</i>âˆ¼ 1 clusters: the cluster versus field stellar massâ€"size relation and evidence for size growth of quiescent galaxies from minor mergers. Monthly Notices of the Royal Astronomical Society, 2019, 484, 595-617.	4.4	41
34	A deficit of faint red galaxies in the possible large-scale structures around the RDCS J1252.9-2927 cluster at z= 1.24. Monthly Notices of the Royal Astronomical Society, 2007, 377, 1206-1214.	4.4	39
35	GOODS-ALMA: The slow downfall of star formation in <i>z</i> = 2â€"3 massive galaxies. Astronomy and Astrophysics, 2020, 643, A30.	5.1	39
36	EARLY-TYPE GALAXIES AT<i>z</i>âˆ¼ 1.3. III. ON THE DEPENDENCE OF FORMATION EPOCHS AND STAR FORMATION HISTORIES ON STELLAR MASS AND ENVIRONMENT. Astrophysical Journal, 2011, 732, 94.	4.5	38

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37	Gemini Observations of Galaxies in Rich Early Environments (GOGREEN) I: survey description. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4168-4185.	4.4	38
38	The GOGREEN survey: post-infall environmental quenching fails to predict the observed age difference between quiescent field and cluster galaxies at zÂ>Â1. Monthly Notices of the Royal Astronomical Society, 2020, 498, 5317-5342.	4.4	37
39	Resolving CO (2â˜1) in zÂâ¼Â1.6 Gas-rich Cluster Galaxies with ALMA: Rotating Molecular Gas Disks with Possible Signatures of Gas Stripping. Astrophysical Journal, 2019, 870, 56.	4.5	36
40	Tracing the quenching history of cluster galaxies in the EAGLE simulation. Monthly Notices of the Royal Astronomical Society, 2019, 488, 847-858.	4.4	35
41	STAR FORMATION HISTORIES IN A CLUSTER ENVIRONMENT ATzâ¼ 0.84. Astrophysical Journal, 2010, 725, 1252-1276.	4.5	34
42	The accelerated build-up of the red sequence in high-redshift galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2016, 457, 2209-2235.	4.4	31
43	Discovery of Ram-pressure Stripped Gas around an Elliptical Galaxy in Abell 2670. Astrophysical Journal Letters, 2017, 840, L7.	8.3	29
44	GOODS-ALMA: Optically dark ALMA galaxies shed light on a cluster in formation at z = 3.5. Astronomy and Astrophysics, 2020, 642, A155.	5.1	24
45	CLASH-VLT: Abell S1063. Astronomy and Astrophysics, 2021, 656, A147.	5.1	24
46	The GOGREEN and GCLASS surveys: first data release. Monthly Notices of the Royal Astronomical Society, 2020, 500, 358-387.	4.4	23
47	GOODS-ALMA 2.0: Starbursts in the main sequence reveal compact star formation regulating galaxy evolution prequenching. Astronomy and Astrophysics, 2022, 659, A196.	5.1	23
48	Galaxy Merger Candidates in High-redshift Cluster Environments. Astrophysical Journal, 2017, 843, 126.	4.5	22
49	EVIDENCE FOR THE UNIVERSALITY OF PROPERTIES OF RED-SEQUENCE GALAXIES IN X-RAY- AND RED-SEQUENCE-SELECTED CLUSTERS ATzâ¼ 1. Astrophysical Journal, 2015, 812, 138.	4.5	20
50	Detecting metal-poor gas accretion in the star-forming dwarf galaxies UM 461 and Mrk 600. Monthly Notices of the Royal Astronomical Society, 2018, 477, 392-411.	4.4	20
51	Star-forming fractions and galaxy evolution with redshift in rich X-ray-selected galaxy clusters. Astronomy and Astrophysics, 2013, 556, A112.	5.1	19
52	Preparing for low surface brightness science with the Vera C. Rubin Observatory: Characterization of tidal features from mock images. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1459-1487.	4.4	19
53	The ALMA Frontier Fields Survey. Astronomy and Astrophysics, 2018, 620, A125.	5.1	18
54	Galaxy pre-processing in substructures around z â¼ 0.4 galaxy clusters. Monthly Notices of the Royal Astronomical Society, 2018, 479, 2328-2350.	4.4	18

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55	HST/WFC3 grism observations of z â^¼ 1 clusters: evidence for evolution in the massâ€“size relation of quiescent galaxies from post-starburst galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 493, 6011-6032.	4.4	18
56	Morphology with light profile fitting of confirmed cluster galaxies atz= 0.84. Astronomy and Astrophysics, 2013, 555, A5.	5.1	17
57	GOODS-ALMA: Using IRAC and VLA to probe fainter millimeter galaxies. Astronomy and Astrophysics, 2020, 643, A53.	5.1	17
58	Ionized gas discs in elliptical and S0 galaxies at z < 1. Monthly Notices of the Royal Astronomical Society, 2014, 440, 3491-3502.	4.4	16
59	The GOGREEN survey: dependence of galaxy properties on halo mass at z > 1 and implications for environmental quenching. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3364-3384.	4.4	16
60	The GOGREEN survey: transition galaxies and the evolution of environmental quenching. Monthly Notices of the Royal Astronomical Society, 2021, 508, 157-174.	4.4	15
61	HST/WFC3 Grism Observations of z â^¼ 1 Clusters: Evidence for Rapid Outside-in Environmental Quenching from Spatially Resolved HÎ± Maps. Astrophysical Journal, 2021, 923, 222.	4.5	15
62	The morphological transformation of red sequence galaxies in clusters since zÂâ^¼Â1. Monthly Notices of the Royal Astronomical Society, 2017, 472, 254-272.	4.4	12
63	The Rest-frame H-band Luminosity Function of Red-sequence Galaxies in Clusters at 1.0 < z < 1.3. Astrophysical Journal, 2019, 880, 119.	4.5	10
64	The Hâ€‰Î± star formation main sequence in cluster and field galaxies at z â^¼ 1.6. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3061-3070.	4.4	9
65	The morphological transformation of red sequence galaxies in the distant cluster XMMU J1229+0151. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2790-2812.	4.4	7
66	The Evolution of Bulge-dominated Field Galaxies from zÂâ‰ˆÂ1 to the Present. Astrophysical Journal, 2017, 847, 20.	4.5	5
67	The GOGREEN Survey: Evidence of an Excess of Quiescent Disks in Clusters at 1.0 < z < 1.4. Astrophysical Journal, 2021, 920, 32.	4.5	5
68	The evolution of brightest cluster galaxies in the nearby Universe II: The star-formation activity and the stellar mass from spectral energy distribution. Monthly Notices of the Royal Astronomical Society, 2022, 512, 2758-2776.	4.4	3
69	An ACA 1â€‰mm survey of HzRGs in the ELAIS-S1: survey description and first results. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5259-5278.	4.4	1
70	Ionized gas kinematics of cluster AGN at zÂâ^¼ 0.8 with KMOS. Monthly Notices of the Royal Astronomical Society, 2021, 506, 385-395.	4.4	1
71	Early-type galaxy formation: understanding the role of the environment. Proceedings of the International Astronomical Union, 2014, 10, 291-292.	0.0	0