Reinaldo Ramos de Carvalho

List of Publications by Year
in descending order

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129	4,193	76326	128289
papers	citations	40 h-index	60 g-index

135	135	135	2912
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SPIDER VIII â€“ constraints on the stellar initial mass function of early-type galaxies from a variety of spectral features. Monthly Notices of the Royal Astronomical Society, 2013, 433, 3017-3047.	4.4	226
2	Systematic variation of the stellar initial mass function with velocity dispersion in early-type galaxies. Monthly Notices of the Royal Astronomical Society: Letters, 2013, 429, L15-L19.	3.3	184
3	Near-Infrared Imaging of Early-Type Galaxies. III. The Near-Infrared Fundamental Plane. Astronomical Journal, 1998, 116, 1591-1605.	4.7	140
4	The Luminosity Function of z>4 Quasars from the Second Palomar Sky Survey. Astronomical Journal, 1995, 110, 2553.	4.7	124
5	Near-Infrared Imaging of Early-Type Galaxies. IV. The Physical Origins of the Fundamental Plane Scaling Relations. Astronomical Journal, 1998, 116, 1606-1625.	4.7	111
6	The Northern Sky Optical Cluster Survey. II. An Objective Cluster Catalog for 5800 Square Degrees. Astronomical Journal, 2003, 125, 2064-2084.	4.7	108
7	SPIDER - I. Sample and galaxy parameters in the grizYJHK wavebands. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1313-1334.	4.4	102
8	SPIDER - VII. Revealing the stellar population content of massive early-type galaxies out to 8R_e. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2300-2317.	4.4	88
9	Radio Properties of [CLC][ITAL]z[/ITAL][/CLC]â€‰>â€‰4 Optically Selected Quasars. Astronomical Journal, 2000, 119, 1526-1533.	4.7	87
10	The Butcher-Oemler Effect in 295 Clusters: Strong Redshift Evolution and Cluster Richness Dependence. Astrophysical Journal, 2001, 548, L143-L146.	4.5	84
11	The Northern Sky Optical Cluster Survey. IV. An Intermediate-Redshift Galaxy Cluster Catalog and the Comparison of Two Detection Algorithms. Astronomical Journal, 2004, 128, 1017-1045.	4.7	83
12	Mergers of Dissipationless Systems: Clues about the Fundamental Plane. Astrophysical Journal, 1995, 451, 525.	4.5	72
13	Dynamical Correlations for Globular Clusters in M31,. Astrophysical Journal, 1997, 474, L19-L22.	4.5	72
14	The link between the star formation history and [Î±/Fe]. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 418, L74-L78.	3.3	71
15	Systematic differences between the field and cluster elliptical galaxies. Astrophysical Journal, 1992, 389, L49.	4.5	68
16	DECISION TREE CLASSIFIERS FOR STAR/GALAXY SEPARATION. Astronomical Journal, 2011, 141, 189.	4.7	65
17	Galaxy Cluster Mass Reconstruction Project â€“ II. Quantifying scatter and bias using contrasting mock catalogues. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1897-1920.	4.4	65
18	2DPHOT: A Multi-Purpose Environment for the Two-Dimensional Analysis of Wide-Field Images. Publications of the Astronomical Society of the Pacific, 2008, 120, 681-702.	3.1	62

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19	Machine and Deep Learning applied to galaxy morphology - A comparative study. Astronomy and Computing, 2020, 30, 100334.	1.7	62
20	Luminosity function of clusters of galaxies. Astronomy and Astrophysics, 2001, 367, 59-71.	5.1	62
21	A Tolman Surface Brightness Test for Universal Expansion and the Evolution of Elliptical Galaxies in Distant Clusters. Astrophysical Journal, 1996, 456, .	4.5	59
22	THE ORIGIN OF COLOR GRADIENTS IN EARLY-TYPE SYSTEMS AND THEIR COMPACTNESS AT HIGH- z. Astrophysical Journal, 2009, 699, L76-L79.	4.5	56
23	SPIDER - II. The Fundamental Plane of early-type galaxies in grizYJHK. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1335-1360.	4.4	56
24	Structural and Dynamical Analysis of the Hickson Compact Groups. Astrophysical Journal, 1998, 497, 72-88.	4.5	56
25	The Nature of the Activity in Hickson Compact Groups of Galaxies. Astrophysical Journal, 1998, 493, 563-570.	4.5	55
26	THE VORONOI TESSELLATION CLUSTER FINDER IN 2+1 DIMENSIONS. Astrophysical Journal, 2011, 727, 45.	4.5	53
27	The Relation between Activity and Environment in Compact Groups of Galaxies. Astronomical Journal, 2000, 120, 47-67.	4.7	53
28	Redshift Survey of Galaxies around a Selected Sample of Compact Groups. Astrophysical Journal, Supplement Series, 1997, 110, 1-8.	7.7	52
29	The Near-Infrared Fundamental Plane of Elliptical Galaxies. Astrophysical Journal, 1995, 453, .	4.5	51
30	Spectroscopy of radio sources from the Parkes 2700 MHz survey. Publications of the Astronomical Society of the Pacific, 1990, 102, 1235.	3.1	51
31	SPIDER - III. Environmental dependence of the Fundamental Plane of early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2010, 408, 1361-1386.	4.4	49
32	SPIDER. IV. OPTICAL AND NEAR-INFRARED COLOR GRADIENTS IN EARLY-TYPE GALAXIES: NEW INSIGHT INTO CORRELATIONS WITH GALAXY PROPERTIES. Astronomical Journal, 2010, 140, 1528-1556.	4.7	48
33	MORFOMETRYKAâ€"A NEW WAY OF ESTABLISHING MORPHOLOGICAL CLASSIFICATION OF GALAXIES. Astrophysical Journal, 2015, 814, 55.	4.5	48
34	Evidence for overdensity around quasars from the proximity effect. Monthly Notices of the Royal Astronomical Society, 2007, 377, 657-666.	4.4	46
35	Color Gradients in Early-Type Galaxies: Dependence on Environment and Redshift. Astrophysical Journal, 2005, 626, L19-L22.	4.5	45
36	Systematic variations of central mass density slopes in early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2014, 445, 115-127.	4.4	45

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37	Photometric Properties of 48 Clusters of Galaxies. I. The Butcher-Oemler Effect. Astronomical Journal, 2000, 119, 1562-1578.	4.7	43
38	THE NATURE OF FOSSIL GALAXY GROUPS: ARE THEY REALLY FOSSILS?. Astronomical Journal, 2009, 137, 3942-3960.	4.7	42
39	NoSOCS in SDSS - I. Sample definition and comparison of mass estimates. Monthly Notices of the Royal Astronomical Society, 2009, 392, 135-152.	4.4	42
40	The Northern Sky Optical Cluster Survey. I. Detection of Galaxy Clusters in DPOSS. Astronomical Journal, 2000, 119, 12-20.	4.7	41
41	SPIDER â€“ X. Environmental effects in central and satellite early-type galaxies through the stellar fossil record. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1977-1996.	4.4	40
42	Truncated Star Formation in Compact Groups of Galaxies: A Stellar Population Study. Astronomical Journal, 2007, 133, 330-346.	4.7	39
43	SPIDER - VI. The central dark matter content of luminous early-type galaxies: Benchmark correlations with mass, structural parameters and environment. Monthly Notices of the Royal Astronomical Society, 2012, 425, 577-594.	4.4	39
44	IMF radial gradients in most massive early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4090-4110.	4.4	39
45	A principal component analysis approach to the star formation history of elliptical galaxies in compact groups. Monthly Notices of the Royal Astronomical Society, 2006, 370, 828-836.	4.4	37
46	HCG 16: A High Concentration of Active Galaxies in the Nearby Universe. Astrophysical Journal, 1996, 463, L5-L8.	4.5	37
47	SPIDER â€“ IX. Classifying galaxy groups according to their velocity distribution. Monthly Notices of the Royal Astronomical Society, 2013, 434, 784-795.	4.4	36
48	The Discovery of Five Quasars at z>4 Using the Second Palomar Sky Survey. Astronomical Journal, 1995, 110, 78.	4.7	35
49	The Fundamental Plane of Elliptical Galaxies in Compact Groups. Astronomical Journal, 2001, 122, 93-102.	4.7	34
50	Massive star populations in Wolf-Rayet galaxies. Monthly Notices of the Royal Astronomical Society, 2004, 355, 728-746.	4.4	34
51	THE NORTHERN SKY OPTICAL CLUSTER SURVEY. III. A CLUSTER CATALOG COVERING PI STERADIANS. Astronomical Journal, 2009, 137, 2981-2999.	4.7	34
52	NoSOCS in SDSS ï¿½ï¿½ II. Mass calibration of low redshift galaxy clusters with optical and X-ray properties. Monthly Notices of the Royal Astronomical Society, 2009, 399, 2201-2220.	4.4	34
53	Xâ€Ray Galaxy Clusters in NoSOCS: Substructure and the Correlation of Optical and Xâ€Ray Properties. Astrophysical Journal, 2006, 648, 209-229.	4.5	32
54	Environments of Redshift Survey Compact Groups of Galaxies. Astronomical Journal, 1998, 116, 1573-1590.	4.7	32

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55	â€˜Fundamental Planeâ€™-like relations from collisionless stellar dynamics: a comparison of mergers and collapses. Monthly Notices of the Royal Astronomical Society, 2003, 340, 398-410.	4.4	30
56	A New Sample of Distant Compact Groups from the Digitized Second Palomar Observatory Sky Survey. Astronomical Journal, 2003, 125, 1660-1681.	4.7	30
57	The Digitized Second Palomar Observatory Sky Survey (DPOSS). III. Star-Galaxy Separation. Astronomical Journal, 2004, 128, 3092-3107.	4.7	30
58	The Evolution of Galaxies in Compact Groups. Astrophysical Journal, 1998, 506, 545-556.	4.5	30
59	Investigating the Relation between Galaxy Properties and the Gaussianity of the Velocity Distribution of Groups and Clusters. Astronomical Journal, 2017, 154, 96.	4.7	28
60	Galaxy Cluster Mass Reconstruction Project â€“ III. The impact of dynamical substructure on cluster mass estimates. Monthly Notices of the Royal Astronomical Society, 2018, 475, 853-866.	4.4	28
61	The Digitized Second Palomar Observatory Sky Survey (DPOSS). II. Photometric Calibration. Astronomical Journal, 2004, 128, 3082-3091.	4.7	27
62	A Catalog of Distant Compact Groups Using the Digitized Second Palomar Observatory Sky Survey. Astronomical Journal, 2005, 130, 425-444.	4.7	27
63	Galaxy Cluster Mass Reconstruction Project â€“ IV. Understanding the effects of imperfect membership on cluster mass estimation. Monthly Notices of the Royal Astronomical Society, 2018, 481, 324-340.	4.4	26
64	Damped and sub-damped Lyman-Î± absorbers in z > 4 QSOs. Astronomy and Astrophysics, 2009, 508, 133-140.	5.1	25
65	SPIDER. V. MEASURING SYSTEMATIC EFFECTS IN EARLY-TYPE GALAXY STELLAR MASSES FROM PHOTOMETRIC SPECTRAL ENERGY DISTRIBUTION FITTING. Astronomical Journal, 2011, 142, 118.	4.7	23
66	ON THE RADIAL STELLAR CONTENT OF EARLY-TYPE GALAXIES AS A FUNCTION OF MASS AND ENVIRONMENT. Astrophysical Journal Letters, 2011, 740, L41.	8.3	22
67	The luminosity function of the NoSOCS galaxy cluster sample. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2771-2784.	4.4	21
68	Structural properties of compact groups. Astrophysical Journal, Supplement Series, 1994, 93, 47.	7.7	21
69	The Faint End of the Luminosity Function of Galaxies in Hickson Groups. Astrophysical Journal, 1997, 488, L11-L14.	4.5	20
70	The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Starâ€“Black Hole Merger GW190814. Astrophysical Journal, 2021, 923, 258.	4.5	19
71	HCG 16 Revisited: Clues about Galaxy Evolution in Groups. Astronomical Journal, 1999, 117, 1657-1667.	4.7	18
72	The Palomar Abell Cluster Optical Survey. I. Photometric Redshifts for 431 Abell Clusters. Astronomical Journal, 2000, 120, 540-551.	4.7	18

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73	Analysis of Resonances in Grand Design Spiral Galaxies. Astrophysical Journal, 2001, 547, 187-199.	4.5	18
74	The luminosity function of galaxies in compact groups. Monthly Notices of the Royal Astronomical Society, 1994, 267, L13-L16.	4.4	17
75	Voids in the southern galactic CAP. Astrophysical Journal, 1989, 339, 595.	4.5	17
76	A new family of distance indicator relations for elliptical galaxies. Astrophysical Journal, 1989, 341, L37.	4.5	17
77	Clues on the history of early-type galaxies from SDSS spectra and GALEX photometry. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3251-3263.	4.4	15
78	Morphology of low-redshift compact galaxy clusters – I. Shapes and radial profiles. Monthly Notices of the Royal Astronomical Society, 2005, 359, 191-210.	4.4	14
79	Surface photometry of southern elliptical galaxies. Astrophysical Journal, Supplement Series, 1988, 68, 173.	7.7	13
80	Peculiar Broad Absorption Line Quasars Found in The Digitized Palomar Observatory Sky Survey. Astronomical Journal, 2003, 126, 53-62.	4.7	11
81	CONSTRAINTS ON FEEDBACK PROCESSES DURING THE FORMATION OF EARLY-TYPE GALAXIES. Astrophysical Journal Letters, 2012, 752, L27.	8.3	11
82	Exploration of Large Digital Sky Surveys. , 0, , 305-322.		10
83	Merging of low-mass systems and the origin of the Fundamental Plane. Monthly Notices of the Royal Astronomical Society, 2004, 349, 1052-1058.	4.4	10
84	The shape of velocity dispersion profiles and the dynamical state of galaxy clusters. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 473, L31-L35.	3.3	10
85	The ON-CfA redshift survey of the southern hemisphere. Astronomical Journal, 1989, 97, 315.	4.7	10
86	Investigating the projected phase space of Gaussian and non-Gaussian clusters. Monthly Notices of the Royal Astronomical Society, 2021, 503, 3065-3080.	4.4	9
87	Surface photometry of a sample of elliptical and S0 galaxies. Astrophysical Journal, Supplement Series, 1991, 76, 1067.	7.7	9
88	From blue cloud to red sequence: evidence of morphological transition prior to star formation quenching. Monthly Notices of the Royal Astronomical Society, 2021, 509, 567-585.	4.4	9
89	Characterizing the nature of fossil groups with XMM. Monthly Notices of the Royal Astronomical Society, 2012, 422, 3010-3018.	4.4	8
90	Optical Properties of Early-Type Galaxies. Astrophysics and Space Science Library, 1990, , 9-21.	2.7	8

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91	Dissipationless collapse of spherical protogalaxies and the fundamental plane. Astronomy and Astrophysics, 2002, 384, 772-779.	5.1	8
92	Evidence of Substructure in the Cluster of Galaxies A3558. Astrophysical Journal, 1997, 485, 447-459.	4.5	8
93	The Two-Component Virial Theorem and the Physical Properties of Stellar Systems. Astrophysical Journal, 2000, 528, L5-L8.	4.5	8
94	Classification and evolution of galaxies according to the dynamical state of host clusters and galaxy luminosities. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3317-3327.	4.4	7
95	The Fundamental Plane of Ellipticals: The Role of Nonhomology. Globular Clusters - Guides To Galaxies, 1997, , 331-334.	0.1	7
96	The DPOSS II compact group survey: first spectroscopically confirmed candidates. Astronomy and Astrophysics, 2006, 445, 857-867.	5.1	6
97	Gradient pattern analysis applied to galaxy morphology. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 477, L101-L105.	3.3	6
98	An optical study of the possible proto-starburst galaxy VII ZW 31. Astronomical Journal, 1990, 99, 1414.	4.7	6
99	A rich, nearby galaxy cluster in Sagittarius. Astronomical Journal, 1990, 100, 599.	4.7	6
100	The evolutionary history of early-type galaxies as derived from the fundamental plane. Astrophysics and Space Science, 2001, 276, 983-990.	1.4	5
101	Unveiling the internal structure of the Hercules supercluster. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3470-3487.	4.4	5
102	Compact Groups of Galaxies: Evolution of the Stellar Population. Astrophysics and Space Science, 2001, 276, 717-723.	1.4	4
103	The mass density profile and star formation history of Gaussian and non-Gaussian clusters. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 487, L86-L90.	3.3	4
104	Quenching, bursting, and galaxy shapes: colour transformation as a function of morphology. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3889-3903.	4.4	4
105	The Near-Infrared Fundamental Plane of Elliptical Galaxies and Its Evolution. Globular Clusters - Guides To Galaxies, 1997, , 197-202.	0.1	3
106	Cataloging of the Digitized POSS-II: Initial Scientific Results. , 1997, , 424-430.		3
107	The Fundamental Plane of E Galaxies in Compact Groups. Astrophysics and Space Science, 2003, 285, 79-84.	1.4	2
108	Extragalactic Astronomy: From Pioneers to Big Science. Astrophysics and Space Science Library, 2016, , 1-92.	2.7	2

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109	Stellar population properties of ETGs in compact groups of galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3238-3254.	4.4	2
110	New planetary nebulae in the direction of the Galactic bulge. Publications of the Astronomical Society of the Pacific, 1991, 103, 487.	3.1	2
111	Improving galaxy morphology with machine learning. Journal of Computational Interdisciplinary Sciences, 2016, 7, .	0.3	2
112	<title>Data mining a large digital sky survey: from the challenges to the scientific results</title>. , 1997, 3164, 98.		1
113	Merging of low-mass systems and the origin of the fundamental plane. Astrophysics and Space Science, 2003, 284, 487-490.	1.4	1
114	Towards an Objectively Defined Catalog of Galaxy Clusters from the Digitized POSS-II. Astrophysics and Space Science Library, 1997, , 285-286.	2.7	1
115	Peculiar Motions of the Largescale Structures in the Southern Hemisphere. Publications of the Astronomical Society of the Pacific, 1988, 100, 1217.	3.1	1
116	On the Nature of Compact Groups of Galaxies. International Astronomical Union Colloquium, 2000, 174, 239-244.	0.1	0
117	The use of [Mg/Fe] to trace truncated star formation in elliptical galaxies. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0
118	Enviromental Effects on Internal Color Gradients of Early-Type Galaxies. Proceedings of the International Astronomical Union, 2006, 2, 191-191.	0.0	0
119	The Fundamental Plane of E Galaxies in Compact Groups. , 2003, , 79-84.		0
120	Optical and X-Ray Properties of Elliptical Galaxies. Astrophysics and Space Science Library, 1990, , 307-310.	2.7	0
121	Systematic Differences Between the Field and Cluster Ellipticals. , 1992, , 400-400.		0
122	Multifiber Spectroscopy Applied to Small Groups of Galaxies. Astrophysics and Space Science Library, 1997, , 277-280.	2.7	0
123	The Physics of Galaxy Formation and Evolution. Astrophysics and Space Science Library, 2016, , 585-695.	2.7	0
124	Systematic Variation of Central Mass Density Slope in Early-Type Galaxies. Thirty Years of Astronomical Discovery With UKIRT, 2016, , 215-218.	0.3	0
125	Sob o Sol de Sobral - Uma ExperiÃªncia que Transformou a FÃsica e por ConsequÃªncia a Cosmologia. ConexÃµes - CiÃªncia E Tecnologia, 2019, 13, 37-47.	0.0	0
126	Um estudo sobre um aglomerado de galÃ¡xias. , 0, , .		0

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127	DPOSS II Compact Groups: The EMMI/NTT Survey. , 2007, , 85-90.		0
128	The Northern Sky Optical Cluster Survey. , 0, , 160-167.		0
129	Automated Search of LSB Galaxies in DPOSS (CRoNaRio Project): Method and First Results from Follow-Ups. , 0, , 557-563.		0