

Reinaldo Ramos de Carvalho

List of Publications by Year in descending order

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129
papers

4,193
citations

76326

40
h-index

128289

60
g-index

135
all docs

135
docs citations

135
times ranked

2912
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Unveiling the internal structure of the Hercules supercluster. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3470-3487.	4.4	5
5	The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Star–Black Hole Merger GW190814. Astrophysical Journal, 2021, 923, 258.	4.5	19
6	Machine and Deep Learning applied to galaxy morphology - A comparative study. Astronomy and Computing, 2020, 30, 100334.	1.7	62
7	Clues on the history of early-type galaxies from SDSS spectra and <i>GALEX</i> photometry. Monthly Notices of the Royal Astronomical Society, 2020, 497, 3251-3263.	4.4	15
8	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
9	Stellar population properties of ETGs in compact groups of galaxies. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3238-3254.	4.4	2
10	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
11	IMF radial gradients in most massive early-type galaxies. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4090-4110.	4.4	39
12	Sob o Sol de Sobral - Uma Experiência que Transformou a Física e por Consequência a Cosmologia. Conexões - Ciência E Tecnologia, 2019, 13, 37-47.	0.0	0
13	Galaxy Cluster Mass Reconstruction Project – III. The impact of dynamical substructure on cluster mass estimates. Monthly Notices of the Royal Astronomical Society, 2018, 475, 853-866.	4.4	28
14	Galaxy Cluster Mass Reconstruction Project – 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
15	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
16	Gradient pattern analysis applied to galaxy morphology. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 477, L101-L105.	3.3	6
17	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
18	Extragalactic Astronomy: From Pioneers to Big Science. Astrophysics and Space Science Library, 2016, , 1-92.	2.7	2

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19	Improving galaxy morphology with machine learning. Journal of Computational Interdisciplinary Sciences, 2016, 7, .	0.3	2
20	The Physics of Galaxy Formation and Evolution. Astrophysics and Space Science Library, 2016, , 585-695.	2.7	0
21	Systematic Variation of Central Mass Density Slope in Early-Type Galaxies. Thirty Years of Astronomical Discovery With UKIRT, 2016, , 215-218.	0.3	0
22	MORFOMETRYKA – A NEW WAY OF ESTABLISHING MORPHOLOGICAL CLASSIFICATION OF GALAXIES. Astrophysical Journal, 2015, 814, 55.	4.5	48
23	Galaxy Cluster Mass Reconstruction Project – II. Quantifying scatter and bias using contrasting mock catalogues. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1897-1920.	4.4	65
24	SPIDER – 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
25	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
26	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
27	SPIDER VIII – 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
28	SPIDER – IX. Classifying galaxy groups according to their velocity distribution. Monthly Notices of the Royal Astronomical Society, 2013, 434, 784-795.	4.4	36
29	CONSTRAINTS ON FEEDBACK PROCESSES DURING THE FORMATION OF EARLY-TYPE GALAXIES. Astrophysical Journal Letters, 2012, 752, L27.	8.3	11
30	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
31	SPIDER - VII. Revealing the stellar population content of massive early-type galaxies out to $8 < i > R < / i > < sub > e < / sub >$. Monthly Notices of the Royal Astronomical Society, 2012, 426, 2300-2317.	4.4	88
32	Characterizing the nature of fossil groups with XMM. Monthly Notices of the Royal Astronomical Society, 2012, 422, 3010-3018.	4.4	8
33	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
34	THE VORONOI TESSELLATION CLUSTER FINDER IN 2+1 DIMENSIONS. Astrophysical Journal, 2011, 727, 45.	4.5	53
35	The luminosity function of the NoSOCS galaxy cluster sample. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2771-2784.	4.4	21
36	The link between the star formation history and $[\hat{\pm}/\text{Fe}]$. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 418, L74-L78.	3.3	71

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37	SPIDER. V. MEASURING SYSTEMATIC EFFECTS IN EARLY-TYPE GALAXY STELLAR MASSES FROM PHOTOMETRIC SPECTRAL ENERGY DISTRIBUTION FITTING. <i>Astronomical Journal</i> , 2011, 142, 118.	4.7	23
38	DECISION TREE CLASSIFIERS FOR STAR/GALAXY SEPARATION. <i>Astronomical Journal</i> , 2011, 141, 189.	4.7	65
39	SPIDER - II. The Fundamental Plane of early-type galaxies in grizYJHK. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 1335-1360.	4.4	56
40	SPIDER - III. Environmental dependence of the Fundamental Plane of early-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 1361-1386.	4.4	49
41	SPIDER - I. Sample and galaxy parameters in the grizYJHK wavebands. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 408, 1313-1334.	4.4	102
42	SPIDER. IV. OPTICAL AND NEAR-INFRARED COLOR GRADIENTS IN EARLY-TYPE GALAXIES: NEW INSIGHT INTO CORRELATIONS WITH GALAXY PROPERTIES. <i>Astronomical Journal</i> , 2010, 140, 1528-1556.	4.7	48
43	THE ORIGIN OF COLOR GRADIENTS IN EARLY-TYPE SYSTEMS AND THEIR COMPACTNESS AT HIGH- z . <i>Astrophysical Journal</i> , 2009, 699, L76-L79.	4.5	56
44	Damped and sub-damped Lyman- α absorbers in $z > 4$ QSOs. <i>Astronomy and Astrophysics</i> , 2009, 508, 133-140.	5.1	25
45	THE NORTHERN SKY OPTICAL CLUSTER SURVEY. III. A CLUSTER CATALOG COVERING π STERADIANS. <i>Astronomical Journal</i> , 2009, 137, 2981-2999.	4.7	34
46	THE NATURE OF FOSSIL GALAXY GROUPS: ARE THEY REALLY FOSSILS?. <i>Astronomical Journal</i> , 2009, 137, 3942-3960.	4.7	42
47	NoSOCS in SDSS - I. Sample definition and comparison of mass estimates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 392, 135-152.	4.4	42
48	NoSOCS in SDSS $z < 0.5$ II. Mass calibration of low redshift galaxy clusters with optical and X-ray properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 399, 2201-2220.	4.4	34
49	2DPHOT: A Multi-Purpose Environment for the Two-Dimensional Analysis of Wide-Field Images. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 681-702.	3.1	62
50	Truncated Star Formation in Compact Groups of Galaxies: A Stellar Population Study. <i>Astronomical Journal</i> , 2007, 133, 330-346.	4.7	39
51	Evidence for overdensity around quasars from the proximity effect. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 657-666.	4.4	46
52	DPOSS II Compact Groups: The EMMI/NTT Survey. , 2007, , 85-90.		0
53	The DPOSS II compact group survey: first spectroscopically confirmed candidates. <i>Astronomy and Astrophysics</i> , 2006, 445, 857-867.	5.1	6
54	The use of [Mg/Fe] to trace truncated star formation in elliptical galaxies. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, .	0.0	0

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55	Environmental Effects on Internal Color Gradients of Early-Type Galaxies. Proceedings of the International Astronomical Union, 2006, 2, 191-191.	0.0	0
56	X-ray Galaxy Clusters in NoSOCS: Substructure and the Correlation of Optical and X-ray Properties. Astrophysical Journal, 2006, 648, 209-229.	4.5	32
57	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
58	Color Gradients in Early-Type Galaxies: Dependence on Environment and Redshift. Astrophysical Journal, 2005, 626, L19-L22.	4.5	45
59	A Catalog of Distant Compact Groups Using the Digitized Second Palomar Observatory Sky Survey. Astronomical Journal, 2005, 130, 425-444.	4.7	27
60	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
61	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
62	Massive star populations in Wolf-Rayet galaxies. Monthly Notices of the Royal Astronomical Society, 2004, 355, 728-746.	4.4	34
63	The Digitized Second Palomar Observatory Sky Survey (DPOSS). II. Photometric Calibration. Astronomical Journal, 2004, 128, 3082-3091.	4.7	27
64	The Digitized Second Palomar Observatory Sky Survey (DPOSS). III. Star-Galaxy Separation. Astronomical Journal, 2004, 128, 3092-3107.	4.7	30
65	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
66	Merging of low-mass systems and the origin of the fundamental plane. Astrophysics and Space Science, 2003, 284, 487-490.	1.4	1
67	The Fundamental Plane of E Galaxies in Compact Groups. Astrophysics and Space Science, 2003, 285, 79-84.	1.4	2
68	“Fundamental Plane”-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
69	Peculiar Broad Absorption Line Quasars Found in The Digitized Palomar Observatory Sky Survey. Astronomical Journal, 2003, 126, 53-62.	4.7	11
70	The Northern Sky Optical Cluster Survey. II. An Objective Cluster Catalog for 5800 Square Degrees. Astronomical Journal, 2003, 125, 2064-2084.	4.7	108
71	A New Sample of Distant Compact Groups from the Digitized Second Palomar Observatory Sky Survey. Astronomical Journal, 2003, 125, 1660-1681.	4.7	30
72	The Fundamental Plane of E Galaxies in Compact Groups. , 2003, , 79-84.		0

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73	Dissipationless collapse of spherical protogalaxies and the fundamental plane. <i>Astronomy and Astrophysics</i> , 2002, 384, 772-779.	5.1	8
74	Analysis of Resonances in Grand Design Spiral Galaxies. <i>Astrophysical Journal</i> , 2001, 547, 187-199.	4.5	18
75	The Fundamental Plane of Elliptical Galaxies in Compact Groups. <i>Astronomical Journal</i> , 2001, 122, 93-102.	4.7	34
76	The evolutionary history of early-type galaxies as derived from the fundamental plane. <i>Astrophysics and Space Science</i> , 2001, 276, 983-990.	1.4	5
77	Compact Groups of Galaxies: Evolution of the Stellar Population. <i>Astrophysics and Space Science</i> , 2001, 276, 717-723.	1.4	4
78	Luminosity function of clusters of galaxies. <i>Astronomy and Astrophysics</i> , 2001, 367, 59-71.	5.1	62
79	The Butcher-Oemler Effect in 295 Clusters: Strong Redshift Evolution and Cluster Richness Dependence. <i>Astrophysical Journal</i> , 2001, 548, L143-L146.	4.5	84
80	Photometric Properties of 48 Clusters of Galaxies. I. The Butcher-Oemler Effect. <i>Astronomical Journal</i> , 2000, 119, 1562-1578.	4.7	43
81	The Palomar Abell Cluster Optical Survey. I. Photometric Redshifts for 431 Abell Clusters. <i>Astronomical Journal</i> , 2000, 120, 540-551.	4.7	18
82	On the Nature of Compact Groups of Galaxies. <i>International Astronomical Union Colloquium</i> , 2000, 174, 239-244.	0.1	0
83	The Northern Sky Optical Cluster Survey. I. Detection of Galaxy Clusters in DPOSS. <i>Astronomical Journal</i> , 2000, 119, 12-20.	4.7	41
84	Radio Properties of [CLC][ITAL]z[/ITAL][/CLC] Optically Selected Quasars. <i>Astronomical Journal</i> , 2000, 119, 1526-1533.	4.7	87
85	The Relation between Activity and Environment in Compact Groups of Galaxies. <i>Astronomical Journal</i> , 2000, 120, 47-67.	4.7	53
86	The Two-Component Virial Theorem and the Physical Properties of Stellar Systems. <i>Astrophysical Journal</i> , 2000, 528, L5-L8.	4.5	8
87	HCG 16 Revisited: Clues about Galaxy Evolution in Groups. <i>Astronomical Journal</i> , 1999, 117, 1657-1667.	4.7	18
88	Near-Infrared Imaging of Early-Type Galaxies. IV. The Physical Origins of the Fundamental Plane Scaling Relations. <i>Astronomical Journal</i> , 1998, 116, 1606-1625.	4.7	111
89	The Nature of the Activity in Hickson Compact Groups of Galaxies. <i>Astrophysical Journal</i> , 1998, 493, 563-570.	4.5	55
90	Environments of Redshift Survey Compact Groups of Galaxies. <i>Astronomical Journal</i> , 1998, 116, 1573-1590.	4.7	32

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91	Near-Infrared Imaging of Early-Type Galaxies. III. The Near-Infrared Fundamental Plane. <i>Astronomical Journal</i> , 1998, 116, 1591-1605.	4.7	140
92	Structural and Dynamical Analysis of the Hickson Compact Groups. <i>Astrophysical Journal</i> , 1998, 497, 72-88.	4.5	56
93	The Evolution of Galaxies in Compact Groups. <i>Astrophysical Journal</i> , 1998, 506, 545-556.	4.5	30
94	<title>Data mining a large digital sky survey: from the challenges to the scientific results</title>. , 1997, 3164, 98.		1
95	The Faint End of the Luminosity Function of Galaxies in Hickson Groups. <i>Astrophysical Journal</i> , 1997, 488, L11-L14.	4.5	20
96	The Near-Infrared Fundamental Plane of Elliptical Galaxies and Its Evolution. <i>Globular Clusters - Guides To Galaxies</i> , 1997, , 197-202.	0.1	3
97	The Fundamental Plane of Ellipticals: The Role of Nonhomology. <i>Globular Clusters - Guides To Galaxies</i> , 1997, , 331-334.	0.1	7
98	Cataloging of the Digitized POSS-II: Initial Scientific Results. , 1997, , 424-430.		3
99	Evidence of Substructure in the Cluster of Galaxies A3558. <i>Astrophysical Journal</i> , 1997, 485, 447-459.	4.5	8
100	Dynamical Correlations for Globular Clusters in M31,. <i>Astrophysical Journal</i> , 1997, 474, L19-L22.	4.5	72
101	Redshift Survey of Galaxies around a Selected Sample of Compact Groups. <i>Astrophysical Journal, Supplement Series</i> , 1997, 110, 1-8.	7.7	52
102	Multifiber Spectroscopy Applied to Small Groups of Galaxies. <i>Astrophysics and Space Science Library</i> , 1997, , 277-280.	2.7	0
103	Towards an Objectively Defined Catalog of Galaxy Clusters from the Digitized POSS-II. <i>Astrophysics and Space Science Library</i> , 1997, , 285-286.	2.7	1
104	A Tolman Surface Brightness Test for Universal Expansion and the Evolution of Elliptical Galaxies in Distant Clusters. <i>Astrophysical Journal</i> , 1996, 456, .	4.5	59
105	HCG 16: A High Concentration of Active Galaxies in the Nearby Universe. <i>Astrophysical Journal</i> , 1996, 463, L5-L8.	4.5	37
106	The Near-Infrared Fundamental Plane of Elliptical Galaxies. <i>Astrophysical Journal</i> , 1995, 453, .	4.5	51
107	The Discovery of Five Quasars at $z > 4$ Using the Second Palomar Sky Survey. <i>Astronomical Journal</i> , 1995, 110, 78.	4.7	35
108	The Luminosity Function of $z > 4$ Quasars from the Second Palomar Sky Survey. <i>Astronomical Journal</i> , 1995, 110, 2553.	4.7	124

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109	Mergers of Dissipationless Systems: Clues about the Fundamental Plane. <i>Astrophysical Journal</i> , 1995, 451, 525.	4.5	72
110	The luminosity function of galaxies in compact groups. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 267, L13-L16.	4.4	17
111	Structural properties of compact groups. <i>Astrophysical Journal, Supplement Series</i> , 1994, 93, 47.	7.7	21
112	Systematic differences between the field and cluster elliptical galaxies. <i>Astrophysical Journal</i> , 1992, 389, L49.	4.5	68
113	Systematic Differences Between the Field and Cluster Ellipticals. , 1992, , 400-400.		0
114	New planetary nebulae in the direction of the Galactic bulge. <i>Publications of the Astronomical Society of the Pacific</i> , 1991, 103, 487.	3.1	2
115	Surface photometry of a sample of elliptical and S0 galaxies. <i>Astrophysical Journal, Supplement Series</i> , 1991, 76, 1067.	7.7	9
116	Optical Properties of Early-Type Galaxies. <i>Astrophysics and Space Science Library</i> , 1990, , 9-21.	2.7	8
117	An optical study of the possible proto-starburst galaxy VII ZW 31. <i>Astronomical Journal</i> , 1990, 99, 1414.	4.7	6
118	A rich, nearby galaxy cluster in Sagittarius. <i>Astronomical Journal</i> , 1990, 100, 599.	4.7	6
119	Spectroscopy of radio sources from the Parkes 2700 MHz survey. <i>Publications of the Astronomical Society of the Pacific</i> , 1990, 102, 1235.	3.1	51
120	Optical and X-Ray Properties of Elliptical Galaxies. <i>Astrophysics and Space Science Library</i> , 1990, , 307-310.	2.7	0
121	The ON-CfA redshift survey of the southern hemisphere. <i>Astronomical Journal</i> , 1989, 97, 315.	4.7	10
122	Voids in the southern galactic CAP. <i>Astrophysical Journal</i> , 1989, 339, 595.	4.5	17
123	A new family of distance indicator relations for elliptical galaxies. <i>Astrophysical Journal</i> , 1989, 341, L37.	4.5	17
124	Surface photometry of southern elliptical galaxies. <i>Astrophysical Journal, Supplement Series</i> , 1988, 68, 173.	7.7	13
125	Peculiar Motions of the Largescale Structures in the Southern Hemisphere. <i>Publications of the Astronomical Society of the Pacific</i> , 1988, 100, 1217.	3.1	1
126	Exploration of Large Digital Sky Surveys. , 0, , 305-322.		10

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127	Um estudo sobre um aglomerado de galáxias. , 0, , .		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