

Nicolás Cardiel

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

5,159
citations

117571

34
h-index

85498

71
g-index

116
all docs

116
docs citations

116
times ranked

4147
citing authors

#	ARTICLE	IF	CITATIONS
1	Stellar populations with MEGARA: The inner regions of NGC 7025. <i>Astronomy and Astrophysics</i> , 2022, 657, A95.	2.1	2
2	Near-IR narrow-band imaging with CIRCE at the Gran Telescopio Canarias: Searching for Ly α -emitters at $z \approx 1.4$. <i>Astronomy and Astrophysics</i> , 2022, 659, A116.	2.1	1
3	Synthetic RGB photometry of bright stars: definition of the standard photometric system and UCM library of spectrophotometric spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3730-3748.	1.6	15
4	RGB photometric calibration of 15 million Gaia stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 318-329.	1.6	4
5	MEGARA-GTC stellar spectral library II. MEGASTAR first release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 3568-3581.	1.6	3
6	A new insight of AGC 198691 (Leoncino) galaxy with MEGARA at the GTC. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 6183-6204.	1.6	1
7	Mapping the ionized gas of the metal-poor H α galaxy PHL 293B with MEGARA. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 1638-1650.	1.6	8
8	NGC 7469 as seen by MEGARA: new results from high-resolution IFU spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3656-3675.	1.6	14
9	MEGARA-GTC stellar spectral library: I. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 871-898.	1.6	6
10	Spatially Resolved Analysis of Neutral Winds, Stars, and Ionized Gas Kinematics with MEGARA/GTC: New Insights on the Nearby Galaxy UGC 10205. <i>Astrophysical Journal</i> , 2020, 890, 5.	1.6	6
11	The First Gamma-Ray Emitting BL Lacertae Object at the Cosmic Dawn. <i>Astrophysical Journal Letters</i> , 2020, 903, L8.	3.0	12
12	The CANDELS/SHARDS Multiwavelength Catalog in GOODS-N: Photometry, Photometric Redshifts, Stellar Masses, Emission-line Fluxes, and Star Formation Rates. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 22.	3.0	111
13	The missing light of the Hubble Ultra Deep Field. <i>Astronomy and Astrophysics</i> , 2019, 621, A133.	2.1	37
14	Optically Faint Massive Balmer Break Galaxies at $z \gtrsim 3$ in the CANDELS/GOODS Fields. <i>Astrophysical Journal</i> , 2019, 876, 135.	1.6	37
15	Evaluating Human Photoreceptor Inputs from Night-Time Lights Using RGB Imaging Photometry. <i>Journal of Imaging</i> , 2019, 5, 49.	1.7	9
16	High-resolution MEGARA Integral-field Unit Spectroscopy and Structural Analysis of a Fast-rotating, Disky Bulge in NGC 7025. <i>Astrophysical Journal</i> , 2019, 871, 9.	1.6	13
17	Colour remote sensing of the impact of artificial light at night (I): The potential of the International Space Station and other DSLR-based platforms. <i>Remote Sensing of Environment</i> , 2019, 224, 92-103.	4.6	85
18	A steep bandpass interference filter with FWHM 11nm centered at 1254nm for studying Lyman Alpha signatures of highly redshifted galaxies. , 2019, , .		0

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19	Evolution of the anti-truncated stellar profiles of S0 galaxies since $\langle z \rangle = 0.6$ in the SHARDS survey. <i>Astronomy and Astrophysics</i> , 2018, 615, A26.	2.1	6
20	The WIRCam Ultra Deep Survey (WUDS). <i>Astronomy and Astrophysics</i> , 2018, 620, A51.	2.1	6
21	MEGARA, the R=6000-20000 IFU and MOS of GTC. , 2018, , .		8
22	First scientific observations with MEGARA at GTC. , 2018, , .		7
23	First results using a new near-infrared 1% narrow-band filter in the GTC 10.4m telescope to detect galaxies at the dawn of the universe. , 2018, , .		0
24	Evolution of the anti-truncated stellar profiles of S0 galaxies since $\langle z \rangle = 0.6$ in the SHARDS survey. <i>Astronomy and Astrophysics</i> , 2017, 604, A119.	2.1	10
25	Outer-disk reddening and gas-phase metallicities: The CALIFA connection. <i>Astronomy and Astrophysics</i> , 2016, 585, A47.	2.1	34
26	FRIDA: diffraction-limited imaging and integral-field spectroscopy for the GTC. <i>Proceedings of SPIE</i> , 2016, , .	0.8	4
27	MEGARA, the new intermediate-resolution optical IFU and MOS for GTC: getting ready for the telescope. <i>Proceedings of SPIE</i> , 2016, , .	0.8	9
28	EMIR at the GTC: results on the commissioning at the telescope. , 2016, , .		5
29	CAUGHT IN THE ACT: GAS AND STELLAR VELOCITY DISPERSIONS IN A FAST QUENCHING COMPACT STAR-FORMING GALAXY AT $z \sim 1.7$. <i>Astrophysical Journal</i> , 2016, 820, 120.	1.6	39
30	Understanding biases when fitting disk truncations. <i>Proceedings of the International Astronomical Union</i> , 2016, 11, 303-303.	0.0	0
31	Pathways to quiescence: SHARDS view on the star formation histories of massive quiescent galaxies at $1.0 < z < 1.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3743-3768.	1.6	35
32	MIRADAS for the Gran Telescopio Canarias. , 2016, , .		2
33	Constraints on the evolutionary mechanisms of massive galaxies since $z \sim 1$ from their velocity dispersions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 704-720.	1.6	6
34	SHARDS: A GLOBAL VIEW OF THE STAR FORMATION ACTIVITY AT $\langle z \rangle \sim 0.84$ and $\langle z \rangle \sim 1.23$. <i>Astrophysical Journal</i> , 2015, 812, 155.	1.6	16
35	Episodic star formation in a group of LAEs at $\langle z \rangle = 5.07$. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 444, L68-L72.	1.2	7
36	Higher prevalence of X-ray selected AGN in intermediate-age galaxies up to $z \sim 1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 443, 3538-3549.	1.6	15

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37	Constraints on the merging channel of massive galaxies since $z \approx 1$. Monthly Notices of the Royal Astronomical Society, 2014, 444, 906-918.	1.6	50
38	FRIDA, the diffraction limited NIR imager and IFS for the Gran Telescopio Canarias: status report. Proceedings of SPIE, 2014, , .	0.8	3
39	MEGARA: a new generation optical spectrograph for GTC. Proceedings of SPIE, 2014, , .	0.8	8
40	SHARDS: stellar populations and star formation histories of a mass-selected sample of $0.65 < z < 1.1$ galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 434, 2136-2152.	1.6	23
41	SHARDS: AN OPTICAL SPECTRO-PHOTOMETRIC SURVEY OF DISTANT GALAXIES. Astrophysical Journal, 2013, 762, 46.	1.6	95
42	MIRADAS for the Gran Telescopio Canarias: system overview. Proceedings of SPIE, 2012, , .	0.8	3
43	Deep blank-field catalogue for medium- and large-sized telescopes. Monthly Notices of the Royal Astronomical Society, 2012, 427, 679-687.	1.6	1
44	MEGARA: the future optical IFU and multi-object spectrograph for the 10.4m GTC telescope. Proceedings of SPIE, 2012, , .	0.8	11
45	Current status of FRIDA: diffraction limited NIR instrument for the GTC. Proceedings of SPIE, 2012, , .	0.8	0
46	VELOCITY DISPERSIONS AND STELLAR POPULATIONS OF THE MOST COMPACT AND MASSIVE EARLY-TYPE GALAXIES AT REDSHIFT $z \approx 1$. Astrophysical Journal Letters, 2011, 738, L22.	3.0	26
47	tesela: a new Virtual Observatory tool to determine blank fields for astronomical observations. Monthly Notices of the Royal Astronomical Society, 2011, 417, 3061-3071.	1.6	3
48	Stellar population gradients in Fornax cluster S0 galaxies: connecting bulge and disc evolution. Monthly Notices of the Royal Astronomical Society, 2011, 415, 2063-2080.	1.6	27
49	An updated MILES stellar library and stellar population models. Astronomy and Astrophysics, 2011, 532, A95.	2.1	529
50	Evolutionary stellar population synthesis with MILES - I. The base models and a new line index system. Monthly Notices of the Royal Astronomical Society, 2010, , .	1.6	379
51	GUAIX: The UCM Group of Extragalactic Astrophysics and Astronomical Instrumentation. Thirty Years of Astronomical Discovery With UKIRT, 2010, , 499-499.	0.3	0
52	EVIDENCE FOR INTERMEDIATE-AGE STELLAR POPULATIONS IN EARLY-TYPE GALAXIES FROM K -BAND SPECTROSCOPY. Astrophysical Journal, 2009, 705, L199-L203.	1.6	23
53	On the nature of the extragalactic number counts in the K -band. Astronomy and Astrophysics, 2009, 494, 63-79.	2.1	19
54	Effect of Environment on the Underlying Stellar Populations of Dwarf Elliptical Galaxies in the Coma Cluster. , 2009, , .		0

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55	Mg and TiO spectral features at the near-IR: spectrophotometric index definitions and empirical calibrations. Monthly Notices of the Royal Astronomical Society, 2009, 396, 1895-1914.	1.6	20
56	Are dry mergers dry, moist or wet?. Monthly Notices of the Royal Astronomical Society, 2009, 400, 1264-1282.	1.6	19
57	Data boundary fitting using a generalized least-squares method. Monthly Notices of the Royal Astronomical Society, 2009, 396, 680-695.	1.6	20
58	MILES SSP Models. Proceedings of the International Astronomical Union, 2009, 5, 65-68.	0.0	0
59	Stellar population study in early-type galaxies: an approach from the K band. Proceedings of the International Astronomical Union, 2009, 5, 85-88.	0.0	0
60	KINEMATIC PROPERTIES AND STELLAR POPULATIONS OF FAINT EARLY-TYPE GALAXIES. II. LINE-STRENGTH MEASUREMENTS OF CENTRAL COMA GALAXIES. Astrophysical Journal, 2009, 691, 1862-1878.	1.6	12
61	GUAIX: The UCM Group of Extragalactic Astrophysics and Astronomical Instrumentation. Thirty Years of Astronomical Discovery With UKIRT, 2009, , 169-170.	0.3	0
62	The relation between stellar populations, structure and environment for dwarf elliptical galaxies from the MAGPOP-ITP. Monthly Notices of the Royal Astronomical Society, 2008, 385, 1374-1392.	1.6	78
63	The link between the masses and central stellar populations of SO galaxies. Monthly Notices of the Royal Astronomical Society, 2008, 387, 660-676.	1.6	14
64	A new stellar library in the region of the CO index at $2.3\mu\text{m}$. Astronomy and Astrophysics, 2008, 489, 885-909.	2.1	39
65	Medium-resolution Isaac Newton Telescope library of empirical spectra - II. The stellar atmospheric parameters. Monthly Notices of the Royal Astronomical Society, 2007, 374, 664-690.	1.6	215
66	Morphologies and stellar populations of galaxies in the core of Abell 2218. Monthly Notices of the Royal Astronomical Society, 2007, 376, 125-150.	1.6	26
67	PPAK integral field spectroscopy survey of the Orion nebula. Astronomy and Astrophysics, 2007, 465, 207-217.	2.1	37
68	Integral Field Spectroscopy of the Core of Abell 2218. Globular Clusters - Guides To Galaxies, 2007, , 193-198.	0.1	0
69	A new stellar library in the K band for the empirical calibration of the CO index. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0
70	Central Stellar Populations of SO Galaxies in the Fornax Cluster. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0
71	IFU observations of the core of Abell 2218. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0
72	New Empirical Fitting Functions of the Lick/IDS indices using MILES. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0

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73	Medium-resolution Isaac Newton Telescope library of empirical spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 371, 703-718.	1.6	1,147
74	Stellar populations of early-type galaxies in different environments. <i>Astronomy and Astrophysics</i> , 2006, 457, 787-808.	2.1	98
75	Stellar populations of early-type galaxies in different environments. <i>Astronomy and Astrophysics</i> , 2006, 457, 809-821.	2.1	161
76	Stellar populations of early-type galaxies in different environments. <i>Astronomy and Astrophysics</i> , 2006, 457, 823-839.	2.1	62
77	Nod & Shuffle 3D Spectroscopy. , 2006, , 99-108.		0
78	GRB 021004 modelled by multiple energy injections. <i>Astronomy and Astrophysics</i> , 2005, 443, 841-849.	2.1	50
79	Early-Type Galaxies in the Coma Cluster: A New Piece in the Calcium Puzzle. <i>Astrophysical Journal</i> , 2004, 614, L101-L104.	1.6	26
80	Near-infrared line-strengths in elliptical galaxies: evidence for initial mass function variations?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 339, L12-L16.	1.6	151
81	Empirical calibration of the near-infrared Ca II triplet – IV. The stellar population synthesis models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2003, 340, 1317-1345.	1.6	146
82	Differences in Carbon and Nitrogen Abundances between Field and Cluster Early-Type Galaxies. <i>Astrophysical Journal</i> , 2003, 590, L91-L94.	1.6	42
83	KsNumber Counts in the Groth and Coppi Fields. <i>Astrophysical Journal</i> , 2003, 595, 71-84.	1.6	32
84	Using spectroscopic data to disentangle stellar population properties. <i>Astronomy and Astrophysics</i> , 2003, 409, 511-522.	2.1	56
85	A Multiwavelength Approach to the Star Formation Rate Estimation in Galaxies at Intermediate Redshifts. <i>Astrophysical Journal</i> , 2003, 584, 76-99.	1.6	40
86	The Very Faint K&B- Band Afterglow of GRB 020819 and the Dust Extinction Hypothesis of the Dark Bursts. <i>Astrophysical Journal</i> , 2003, 592, 1025-1034.	1.6	35
87	Comparing SFR Indicators from Multiwavelength Data in Galaxies at Intermediate Redshifts. , 2003, , 39-42.		0
88	A New Spectral Stellar Library for Population Synthesis. , 2003, , 159-162.		0
89	Is the IMF Varying Among Ellipticals?. , 2003, , 55-58.		0
90	Data Reduction Pipeline for EMIR; a near-IR multiobject spectrograph for the Spanish 10m telescope. , 2002, 4847, 402.		1

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91	Proper handling of random errors and distortions in astronomical data analysis. , 2002, 4847, 297.		3
92	Empirical calibration of the near-infrared Ca ii triplet λ III. Fitting functions. Monthly Notices of the Royal Astronomical Society, 2002, 329, 863-876.	1.6	68
93	Evidence of fast rotation in dwarf elliptical galaxies. Monthly Notices of the Royal Astronomical Society, 2002, 332, L59-L63.	1.6	92
94	Empirical calibration of the near-infrared Ca II triplet – I. The stellar library and index definition. Monthly Notices of the Royal Astronomical Society, 2001, 326, 959-980.	1.6	277
95	Empirical calibration of the near-infrared Ca II triplet – II. The stellar atmospheric parameters. Monthly Notices of the Royal Astronomical Society, 2001, 326, 981-994.	1.6	71
96	The Near-IR Calcium Triplet: Empirical Calibration and Stellar Populations Models. Astrophysics and Space Science, 2001, 277, 319-319.	0.5	2
97	The λ 4000Å... Break in Elliptical Galaxies. Astrophysics and Space Science, 2001, 277, 351-351.	0.5	1
98	Stellar Populations in Virgo Bright Spheroidals. , 2001, , 149-152.		0
99	EMIR: cryogenic NIR multi-object spectrograph for GTC. , 2000, 4008, 797.		9
100	Star Formation in Central Cluster Galaxies. Publications of the Astronomical Society of the Pacific, 2000, 112, 574-574.	1.0	0
101	Empirical calibration of the λ 4000Å... break. Astronomy and Astrophysics, 1999, 139, 29-41.	2.1	44
102	Stellar Populations in Dwarf Elliptical Galaxies. Astrophysics and Space Science, 1998, 263, 159-162.	0.5	2
103	Towards an Understanding of the λ 4000Å... Break Behaviour in Old Stellar Populations. Astrophysics and Space Science, 1998, 263, 167-170.	0.5	1
104	The Role of Cooling Flows in the Star Formation History of Central Cluster Galaxies. Astrophysics and Space Science, 1998, 263, 83-86.	0.5	6
105	Spectral gradients in central cluster galaxies: further evidence of star formation in cooling flows. Monthly Notices of the Royal Astronomical Society, 1998, 298, 977-996.	1.6	43
106	Spectral gradients in central cluster galaxies: further evidence of star formation in cooling flows. Monthly Notices of the Royal Astronomical Society, 1998, 298, 977-996.	1.6	38
107	Reliable random error estimation in the measurement of line-strength indices. Astronomy and Astrophysics, 1998, 127, 597-605.	2.1	129
108	Line-Strength Indices in Bright Spheroidal Galaxies: Evidence for a Stellar Population Dichotomy between Spheroidal and Elliptical Galaxies. Astrophysical Journal, 1997, 481, L19-L22.	1.6	40

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109	Spectroscopic Evidences for Star Formation in Cooling Flow Galaxies. Symposium - International Astronomical Union, 1996, 171, 349-349.	0.1	0
110	Spectral indices in cooling flow galaxies: evidence of star formation. Monthly Notices of the Royal Astronomical Society, 1995, 277, 502-522.	1.6	29