Ricardo Carrera

List of Publications by Year
in descending order

75 papers	11,049 citations	70961 41 h-index	88477 70 g-index
76 all docs	76 docs citations	76 times ranked	8115 citing authors

#	Article	IF	Citations
1	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2015, 219, 12.	3.0	1,877
2	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	1.9	1,100
3	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). Astronomical Journal, 2017, 154, 94.	1.9	1,065
4	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. Astrophysical Journal, Supplement Series, 2020, 249, 3.	3.0	826
5	The Fourteenth Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the Extended Baryon Oscillation Spectroscopic Survey and from the Second Phase of the Apache Point Observatory Galactic Evolution Experiment. Astrophysical Journal, Supplement Series, 2018, 235, 42.	3.0	796
6	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. Astronomical Journal, 2016, 151, 144.	1.9	497
7	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. Astrophysical Journal, Supplement Series, 2017, 233, 25.	3.0	406
8	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. Astrophysical Journal, Supplement Series, 2022, 259, 35.	3.0	405
9	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. Astronomical Journal, 2015, 150, 148.	1.9	344
10	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. Astrophysical Journal, Supplement Series, 2019, 240, 23.	3.0	299
11	Chemical abundance analysis of the open clusters CrÂ110, NGCÂ2099 (MÂ37), NGCÂ2420, NGCÂ7789, and MÂ67 (NGC 2682). Astronomy and Astrophysics, 2010, 511, A56.	2.1	166
12	Chemical tagging with APOGEE: discovery of a large population of N-rich stars in the inner Galaxy. Monthly Notices of the Royal Astronomical Society, 2017, 465, 501-524.	1.6	150
13	Young Î±-enriched giant stars in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2230-2243.	1.6	133
14	Disentangling the Galactic Halo with APOGEE. I. Chemical and Kinematical Investigation of Distinct Metal-poor Populations. Astrophysical Journal, 2018, 852, 49.	1.6	123
15	Tracing Out the Northern Tidal Stream of the Sagittarius Dwarf Spheroidal Galaxy. Astrophysical Journal, 2004, 601, 242-259.	1.6	121
16	The SUMO project I. A survey of multiple populations in globular clusters. Monthly Notices of the Royal Astronomical Society, 2013, 431, 2126-2149.	1.6	117
17	NEW H-BAND STELLAR SPECTRAL LIBRARIES FOR THE SDSS-III/APOGEE SURVEY. Astronomical Journal, 2015, 149, 181.	1.9	114
18	APOGEE Data Releases 13 and 14: Stellar Parameter and Abundance Comparisons with Independent Analyses. Astronomical Journal, 2018, 156, 126.	1.9	113

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19	The Star Formation History and Spatial Distribution of Stellar Populations in the Ursa Minor Dwarf Spheroidal Galaxy. Astronomical Journal, 2002, 123, 3199-3209.	1.9	113
20	THE CHEMICAL ENRICHMENT HISTORY OF THE LARGE MAGELLANIC CLOUD. Astronomical Journal, 2008, 135, 836-849.	1.9	112
21	Chemical abundance analysis of the open clusters Berkeley 32, NGC 752, Hyades, and Praesepe. Astronomy and Astrophysics, 2011, 535, A30.	2.1	108
22	THE CHEMICAL ENRICHMENT HISTORY OF THE SMALL MAGELLANIC CLOUD AND ITS GRADIENTS. Astronomical Journal, 2008, 136, 1039-1048.	1.9	100
23	The Star Formation History and Morphological Evolution of the Draco Dwarf Spheroidal Galaxy. Astronomical Journal, 2001, 122, 2524-2537.	1.9	98
24	The Open Cluster Chemical Abundances and Mapping Survey. IV. Abundances for 128 Open Clusters Using SDSS/APOGEE DR16. Astronomical Journal, 2020, 159, 199.	1.9	86
25	Chemical Cartography with APOGEE: Multi-element Abundance Ratios. Astrophysical Journal, 2019, 874, 102.	1.6	85
26	The near-infrared Caâ€‰ii triplet as a metallicity indicator â€“ II. Extension to extremely metal-poor metallicity regimesâ˜…. Monthly Notices of the Royal Astronomical Society, 2013, 434, 1681-1691.	1.6	78
27	Tidal Streams in the Galactic Halo: Evidence for the Sagittarius Northern Stream or Traces of a New Nearby Dwarf Galaxy. Astrophysical Journal, 2001, 549, L199-L202.	1.6	77
28	Low-resolution spectroscopy of main sequence stars belonging toÂ12ÂGalactic globular clusters. Astronomy and Astrophysics, 2010, 524, A44.	2.1	76
29	APOGEE chemical abundances of globular cluster giants in the inner Galaxy. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1010-1018.	1.6	71
30	The Infrared Ca<scp>ii</scp>Triplet as Metallicity Indicator. Astronomical Journal, 2007, 134, 1298-1314.	1.9	70
31	Atypical Mg-poor Milky Way Field Stars with Globular Cluster Second-generation-like Chemical Patterns. Astrophysical Journal Letters, 2017, 846, L2.	3.0	66
32	3D kinematics and age distribution of the open cluster population. Astronomy and Astrophysics, 2021, 647, A19.	2.1	63
33	SODIUM AND OXYGEN ABUNDANCES IN THE OPEN CLUSTER NGC 6791 FROM APOGEE H-BAND SPECTROSCOPY. Astrophysical Journal Letters, 2015, 798, L41.	3.0	62
34	Open clusters in APOGEE and GALAH. Astronomy and Astrophysics, 2019, 623, A80.	2.1	59
35	Spatially resolved LMC star formation history â€“ I. Outside in evolution of the outer LMC disc. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1067-1080.	1.6	55
36	DISCOVERY OF A METAL-POOR FIELD GIANT WITH A GLOBULAR CLUSTER SECOND-GENERATION ABUNDANCE PATTERN. Astrophysical Journal, 2016, 833, 132.	1.6	53

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37	Chemical Abundances of Main-sequence, Turnoff, Subgiant, and Red Giant Stars from APOGEE Spectra. I. Signatures of Diffusion in the Open Cluster M67. Astrophysical Journal, 2018, 857, 14.	1.6	52
38	Prolate rotation and metallicity gradient in the transforming dwarf galaxy Phoenix. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2006-2023.	1.6	51
39	The Open Cluster Chemical Abundances and Mapping Survey. II. Precision Cluster Abundances for APOGEE Using SDSS DR14. Astronomical Journal, 2018, 156, 142.	1.9	51
40	Remnants of the Sagittarius Dwarf Spheroidal Galaxy around the Young Globular Cluster Palomar 12. Astrophysical Journal, 2002, 573, L19-L22.	1.6	50
41	METALLICITIES, AGE-METALLICITY RELATIONSHIPS, AND KINEMATICS OF RED GIANT BRANCH STARS IN THE OUTER DISK OF THE LARGE MAGELLANIC CLOUD. Astronomical Journal, 2011, 142, 61.	1.9	50
42	Spatial dependence of the star formation history in the central regions of the Fornax dwarf spheroidal galaxy. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1505-1516.	1.6	40
43	THE MAGELLANIC INTER-CLOUD PROJECT (MAGIC). I. EVIDENCE FOR INTERMEDIATE-AGE STELLAR POPULATIONS IN BETWEEN THE MAGELLANIC CLOUDS. Astrophysical Journal, 2013, 768, 109.	1.6	39
44	Two groups of red giants with distinct chemical abundances in the bulge globular cluster NGC 6553 through the eyes of APOGEE. Monthly Notices of the Royal Astronomical Society, 2017, 465, 19-31.	1.6	39
45	OCCASO â€“ II. Physical parameters and Fe abundances of red clump stars in 18 open clusters. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4363-4381.	1.6	39
46	The OCCASO survey: presentation and radial velocities of 12 Milky Way open clusters. Monthly Notices of the Royal Astronomical Society, 2016, 458, 3150-3167.	1.6	38
47	Chemical abundance gradients from open clusters in the Milky Way disk: Results from the APOGEE survey. Astronomische Nachrichten, 2016, 337, 922-925.	0.6	37
48	Extended halo of NGC 2682 (M 67) from Gaia DR2. Astronomy and Astrophysics, 2019, 627, A119.	2.1	37
49	C and N abundances of main sequence and subgiant branch stars in NGCÂ1851. Astronomy and Astrophysics, 2012, 541, A141.	2.1	36
50	Abundanceâ€“age relations with red clump stars in open clusters. Astronomy and Astrophysics, 2021, 652, A25.	2.1	34
51	Revealing the tidal scars of the Small Magellanic Cloud. Monthly Notices of the Royal Astronomical Society, 2020, 495, 98-113.	1.6	33
52	The MAGellanic Inter-Cloud (MAGIC) project â€“ II. Slicing up the Bridge. Monthly Notices of the Royal Astronomical Society, 2015, 452, 4222-4235.	1.6	30
53	OCCASO â€“ III. Iron peak and Î± elements of 18 open clusters. Comparison with chemical evolution models and field stars. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1821-1842.	1.6	29
54	Cosmic variance in [O/Fe] in the Galactic disk. Astronomy and Astrophysics, 2016, 590, A74.	2.1	28

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55	The Magellanic Inter-Cloud Project (MAGIC) III: first spectroscopic evidence of a dwarf stripping a dwarf. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4571-4578.	1.6	28
56	CHEMICAL ABUNDANCES IN A SAMPLE OF RED GIANTS IN THE OPEN CLUSTER NGC 2420 FROM APOGEE. Astrophysical Journal, 2016, 830, 35.	1.6	27
57	Follow-up observations of extremely metal-poor stars identified from SDSS. Astronomy and Astrophysics, 2016, 593, A10.	2.1	26
58	THE RADIAL EXTENT OF THE DOUBLE SUBGIANT BRANCH IN NGC 1851. Astrophysical Journal, 2009, 697, L22-L27.	1.6	24
59	Disk-like Chemistry of the Triangulum-Andromeda Overdensity as Seen by APOGEE. Astrophysical Journal Letters, 2018, 859, L8.	3.0	24
60	Timing the Evolution of the Galactic Disk with NGC 6791: An Open Cluster with Peculiar High-Î± Chemistry as Seen by APOGEE. Astrophysical Journal, 2017, 842, 49.	1.6	22
61	Radial velocities and metallicities from infrared Caâ€‰II triplet spectroscopy of open clusters. Astronomy and Astrophysics, 2012, 544, A109.	2.1	17
62	KIC 10449976: discovery of an extreme helium subdwarf in the Kepler field. Monthly Notices of the Royal Astronomical Society, 2013, 429, 3207-3213.	1.6	15
63	Searching for chemical inhomogeneities in open clusters. Astronomy and Astrophysics, 2013, 560, A5.	2.1	15
64	The old, metal-poor, anticentre open cluster Trumpler 5â˜…. Monthly Notices of the Royal Astronomical Society, 2015, 446, 1411-1423.	1.6	12
65	ANALYSIS OF THE CN AND CH MOLECULAR BAND STRENGTHS IN STARS OF THE OPEN CLUSTER NGC 6791. Astrophysical Journal, 2012, 758, 110.	1.6	10
66	The open cluster King 1 in the second quadrant. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4285-4297.	1.6	8
67	A Chemical and Kinematical Analysis of the Intermediate-age Open Cluster IC 166 from APOGEE and Gaia DR2. Astronomical Journal, 2018, 156, 94.	1.9	8
68	Radial velocities and metallicities from infrared Caâ€‰ii triplet spectroscopy of open clusters. Astronomy and Astrophysics, 2015, 578, A27.	2.1	7
69	OCCASO IV. Radial velocities and open cluster kinematics. Astronomy and Astrophysics, 0, , .	2.1	5
70	The Star Formation History of the Magellanic Clouds: Latest Results. EAS Publications Series, 2011, 48, 43-49.	0.3	3
71	The chemical enrichment history of the Magellanic Clouds field populations. Proceedings of the International Astronomical Union, 2008, 4, 275-280.	0.0	1
72	Old main-sequence turnoff photometry in the SMC: Star Formation History and Chemical Enrichment Law. Proceedings of the International Astronomical Union, 2006, 2, .	0.0	0

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73	The Chemical Enrichment History and Metallicity Gradients of the Magellanic Clouds. Publications of the Astronomical Society of the Pacific, 2009, 121, 98-99.	1.0	0
74	Chemical and dynamical analysis of Open Clusters from OCCASO data. The case of NGC 6705. Proceedings of the International Astronomical Union, 2017, 13, 124-127.	0.0	0
75	The Outer Stellar Populations in the LMC. Thirty Years of Astronomical Discovery With UKIRT, 2008, , 307-308.	0.3	0