Eugenio Carretta

List of Publications by Year in descending order

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	22548	26792
12,573	61	111
citations	h-index	g-index
141	141	3528
docs citations	times ranked	citing authors
	12,573 citations 141 docs citations	12,57361citationsh-index141141docs citationstimes ranked

#	Article	IF	CITATIONS
1	Metallicity of the globular cluster NGC 6388 based on high-resolution spectra of more than 160 giant stars. Astronomy and Astrophysics, 2022, 659, A122.	2.1	3
2	The in situ origin of the globular cluster NGC 6388 from abundances of Sc, V, and Zn of a large sample of stars. Astronomy and Astrophysics, 2022, 660, L1.	2.1	3
3	Excess of Ca (and Sc) produced in globular cluster multiple populations: a first census in 77 Galactic globular clusters. Astronomy and Astrophysics, 2021, 646, A9.	2.1	14
4	Potassium abundances in multiple stellar populations of the globular cluster NGC 4833. Astronomy and Astrophysics, 2021, 649, A154.	2.1	4
5	Empirical estimates of the Na–O anti-correlation in 95 Galactic globular clusters. Astronomy and Astrophysics, 2019, 624, A24.	2.1	19
6	What is a globular cluster? An observational perspective. Astronomy and Astrophysics Review, 2019, 27, 1.	9.1	144
7	A new diagnostic for multiple populations: NGC 6388 as a test case. Proceedings of the International Astronomical Union, 2019, 14, 267-268.	0.0	0
8	NGC 6388 reloaded: some like it hot, but not too much. New constraints on the first-generation polluters. Astronomy and Astrophysics, 2019, 627, L7.	2.1	7
9	Aluminium abundances in five discrete stellar populations of the globular cluster NGC 2808. Astronomy and Astrophysics, 2018, 615, A17.	2.1	35
10	Observing multiple populations in globular clusters with the ESO archive: NGC 6388 reloaded. Astronomy and Astrophysics, 2018, 614, A109.	2.1	20
11	Globular clusters and their contribution to the formation of the Galactic halo. Proceedings of the International Astronomical Union, 2015, 11, 97-103.	0.0	0
12	FIVE GROUPS OF RED GIANTS WITH DISTINCT CHEMICAL COMPOSITION IN THE GLOBULAR CLUSTER NGC 2808. Astrophysical Journal, 2015, 810, 148.	1.6	84
13	Photometric and spectroscopic study of the intermediate-age open cluster NGCÂ2355. Monthly Notices of the Royal Astronomical Society, 2015, 453, 4185-4202.	1.6	15
14	The Na-O anticorrelation in horizontal branch stars. Astronomy and Astrophysics, 2015, 573, A92.	2.1	29
15	The normal chemistry of multiple stellar populations in the dense globular cluster NGC 6093 (M 80). Astronomy and Astrophysics, 2015, 578, A116.	2.1	43
16	ON THE SERENDIPITOUS DISCOVERY OF A Li-RICH GIANT IN THE GLOBULAR CLUSTER NGC 362. Astrophysical Journal Letters, 2015, 801, L32.	3.0	19
17	Lithium abundances in globular cluster giants: NGC 1904, NGC 2808, and NGC 362â [~] Monthly Notices of the Royal Astronomical Society, 2015, 449, 4038-4047.	1.6	42
18	The extreme chemistry of multiple stellar populations in the metal-poor globular cluster NGC 4833. Astronomy and Astrophysics, 2014, 564, A60.	2.1	61

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19	THREE DISCRETE GROUPS WITH HOMOGENEOUS CHEMISTRY ALONG THE RED GIANT BRANCH IN THE GLOBULAR CLUSTER NGC 2808. Astrophysical Journal Letters, 2014, 795, L28.	3.0	39
20	Spectroscopy of red giants in the globular cluster Terzan 8: kinematics and evidence for the surrounding Sagittarius stream. Monthly Notices of the Royal Astronomical Society, 2014, 443, 1425-1432.	1.6	3
21	LITHIUM ABUNDANCES IN GLOBULAR CLUSTER GIANTS: NGC 6218 (M12) AND NGC 5904 (M5). Astrophysical Journal, 2014, 791, 39.	1.6	24
22	SEARCHING FOR CHEMICAL SIGNATURES OF MULTIPLE STELLAR POPULATIONS IN THE OLD, MASSIVE OPEN CLUSTER NGC 6791. Astrophysical Journal, 2014, 796, 68.	1.6	64
23	Terzan 8: a Sagittarius-flavoured globular cluster. Astronomy and Astrophysics, 2014, 561, A87.	2.1	58
24	A sequence of nitrogen-rich very red giants in the globular cluster NGC 1851. Astronomy and Astrophysics, 2014, 563, A32.	2.1	10
25	The Na-O anticorrelation in horizontal branch stars. Astronomy and Astrophysics, 2014, 563, A13.	2.1	26
26	On the internal pollution mechanisms in the globular cluster NGCÂ6121 (M4): heavy-element abundances and AGB modelsã~ Monthly Notices of the Royal Astronomical Society, 2013, 433, 366-381.	1.6	26
27	Infrared photometry of young massive clusters in the starburst galaxy NGCÂ4214a~ Monthly Notices of the Royal Astronomical Society, 2013, 433, 1276-1286.	1.6	7
28	RUBIDIUM ABUNDANCES IN THE GLOBULAR CLUSTERS NGC 6752, NGC 1904, AND NGC 104 (47 Tuc). Astrophysical Journal, 2013, 776, 59.	1.6	16
29	POTASSIUM IN GLOBULAR CLUSTER STARS: COMPARING NORMAL CLUSTERS TO THE PECULIAR CLUSTER NGC 2419. Astrophysical Journal, 2013, 769, 40.	1.6	34
30	Evidence for multiple populations in the massive globular cluster NGCÂ2419 from deep uVI LBT photometryâ~ Monthly Notices of the Royal Astronomical Society, 2013, 431, 1995-2005.	1.6	25
31	Ba and Eu abundances in M 15 giant stars. Astronomy and Astrophysics, 2013, 553, A47.	2.1	55
32	FLUORINE VARIATIONS IN THE GLOBULAR CLUSTER NGC 6656 (M22): IMPLICATIONS FOR INTERNAL ENRICHMENT TIMESCALES. Astrophysical Journal, 2013, 763, 22.	1.6	24
33	The Na-O anticorrelation in horizontal branch stars. Astronomy and Astrophysics, 2013, 549, A41.	2.1	81
34	An aluminium tool for multiple stellar generations in the globular clusters 47ÂTucanae and MÂ4. Astronomy and Astrophysics, 2013, 550, A34.	2.1	41
35	NGC 362: another globular cluster with a split red giant branch. Astronomy and Astrophysics, 2013, 557, A138.	2.1	59
36	The fraction of first- and second-generation stars in globular clusters. Astronomy and Astrophysics, 2013, 557, A128.	2.1	24

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37	CHEMICAL TAGGING OF THREE DISTINCT POPULATIONS OF RED GIANTS IN THE GLOBULAR CLUSTER NGC 6752. Astrophysical Journal Letters, 2012, 750, L14.	3.0	65
38	Spectroscopic hint of a cold stream in the direction of the globular cluster NGC 1851. Monthly Notices of the Royal Astronomical Society, 2012, 426, 1137-1143.	1.6	15
39	The Na-O anticorrelation in horizontal branch stars. Astronomy and Astrophysics, 2012, 539, A19.	2.1	53
40	Spectroscopic analysis of the two subgiant branches of the globular cluster NGCÂ1851. Astronomy and Astrophysics, 2012, 544, A12.	2.1	38
41	C, N, O abundances and carbon isotope ratios in evolved stars of the open clusters Collinder 261 and NGC 6253. Astronomy and Astrophysics, 2012, 541, A137.	2.1	27
42	Multiple populations in globular clusters. Astronomy and Astrophysics Review, 2012, 20, 1.	9.1	593
43	Na-O anticorrelation and HB. Astronomy and Astrophysics, 2012, 538, A18.	2.1	79
44	Aluminum abundances of multiple stellar generations in the globular cluster NGCÂ1851. Astronomy and Astrophysics, 2012, 543, A117.	2.1	23
45	Searching for multiple stellar populations in the massive, old open cluster BerkeleyÂ39. Astronomy and Astrophysics, 2012, 548, A122.	2.1	67
46	MULTIPLE STELLAR POPULATIONS IN 47 Tucanae. Astrophysical Journal, 2012, 744, 58.	1.6	230
47	Multiple stellar populations in the globular cluster NGCÂ1851. Astronomy and Astrophysics, 2011, 533, A69.	2.1	133
48	A Strömgren view of the multiple populations in globular clusters. Astronomy and Astrophysics, 2011, 535, A121.	2.1	42
49	Chemical enrichment mechanisms in <i>ï‰</i> Centauri: clues from neutron-capture elements. Astronomy and Astrophysics, 2011, 534, A29.	2.1	29
50	Mining SDSS in search of multiple populations in globular clusters. Astronomy and Astrophysics, 2011, 525, A114.	2.1	121
51	Chemical composition of evolved stars in the open cluster IC 4651â~ Monthly Notices of the Royal Astronomical Society, 2011, 413, 2199-2206.	1.6	27
52	Chemical composition of evolved stars in the open cluster NGCâ \in f2506. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1092-1098.	1.6	27
53	X-shooter GTO observations and chemical tagging of two main-sequence stars in the globular cluster NGC 2808. Astronomische Nachrichten, 2011, 332, 258-259.	0.6	0
54	The Na-O anticorrelation in horizontal branch stars. Astronomy and Astrophysics, 2011, 534, A123.	2.1	64

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55	CALCIUM AND LIGHT-ELEMENTS ABUNDANCE VARIATIONS FROM HIGH-RESOLUTION SPECTROSCOPY IN GLOBULAR CLUSTERS. Astrophysical Journal Letters, 2010, 712, L21-L25.	3.0	68
56	X-SHOOTER OBSERVATIONS OF MAIN-SEQUENCE STARS IN THE GLOBULAR CLUSTER NGC 2808: FIRST CHEMICAL TAGGING OF A He-NORMAL AND A He-RICH DWARF. Astrophysical Journal Letters, 2010, 720, L41-L45.	3.0	67
57	Properties of stellar generations in globular clusters and relations with global parameters. Astronomy and Astrophysics, 2010, 516, A55.	2.1	375
58	Detailed abundances of a large sample of giant stars in MÂ54 and in the Sagittarius nucleus. Astronomy and Astrophysics, 2010, 520, A95.	2.1	178
59	LITHIUM AND PROTON-CAPTURE ELEMENTS IN GLOBULAR CLUSTER DWARFS: THE CASE OF 47 TUC. Astrophysical Journal Letters, 2010, 713, L1-L5.	3.0	50
60	ABUNDANCES FOR A LARGE SAMPLE OF RED GIANTS IN NGC 1851: HINTS FOR A MERGER OF TWO CLUSTERS?. Astrophysical Journal Letters, 2010, 722, L1-L6.	3.0	105
61	M54 + SAGITTARIUS = ω CENTAURI. Astrophysical Journal Letters, 2010, 714, L7-L11.	3.0	119
62	Ba STARS AND OTHER BINARIES IN FIRST AND SECOND GENERATION STARS IN GLOBULAR CLUSTERS. Astrophysical Journal Letters, 2010, 719, L213-L217.	3.0	64
63	Chemical composition of clump stars in the open cluster NGC 6134â~ Monthly Notices of the Royal Astronomical Society, 2010, 407, 1866-1874.	1.6	41
64	Diluting the material forming the second generation stars in globular clusters: the contribution by unevolved stars. Astronomy and Astrophysics, 2010, 521, A54.	2.1	11
65	The connection between missing AGB stars and extended horizontal branches. Astronomy and Astrophysics, 2010, 522, A77.	2.1	23
66	Helium in first and second-generation stars in globular clusters from spectroscopy of red giants. Astronomy and Astrophysics, 2010, 519, A60.	2.1	50
67	The radial distribution of stars of different stellar generations in the globular cluster NGCÂ3201. Astronomy and Astrophysics, 2010, 519, A71.	2.1	30
68	The second and third parameters of the horizontal branch in globular clusters. Astronomy and Astrophysics, 2010, 517, A81.	2.1	182
69	Na-O anticorrelation and HB. Astronomy and Astrophysics, 2009, 505, 117-138.	2.1	641
70	Na-O anticorrelation and HB. Astronomy and Astrophysics, 2009, 505, 139-155.	2.1	477
71	He-rich and He-poor populations in RGB stars. Results on a sample of 19 globular clusters. Proceedings of the International Astronomical Union, 2009, 5, 169-170.	0.0	1
72	Intrinsic iron spread and a new metallicity scale for globular clusters. Astronomy and Astrophysics, 2009, 508, 695-706.	2.1	525

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73	Open Clusters as tracers of the Galactic disk: the Bologna Open Clusters Chemical Evolution project. Proceedings of the International Astronomical Union, 2008, 4, 227-232.	0.0	2
74	THE CHEMICAL COMPOSITION OF RED GIANT STARS IN FOUR INTERMEDIATE-AGE CLUSTERS OF THE LARGE MAGELLANIC CLOUD. Astronomical Journal, 2008, 136, 375-388.	1.9	130
75	Old open clusters as key tracers of Galactic chemical evolution. Astronomy and Astrophysics, 2008, 480, 79-90.	2.1	73
76	The Link between Chemical Anomalies along the Red Giant Branch and the Horizontal Branch Extension in Globular Clusters. Astrophysical Journal, 2007, 671, L125-L128.	1.6	43
77	Na-O anticorrelation and horizontal branches. Astronomy and Astrophysics, 2007, 464, 939-951.	2.1	40
78	Na-O anticorrelation and horizontal branches. Astronomy and Astrophysics, 2007, 464, 927-937.	2.1	80
79	The chemical abundance of the very metal-rich old open clusters NGC 6253 and NGC 6791. Astronomy and Astrophysics, 2007, 473, 129-141.	2.1	86
80	Na-O anticorrelation and horizontal branches. Astronomy and Astrophysics, 2007, 464, 953-965.	2.1	78
81	Na-O anticorrelation and horizontal branches. Astronomy and Astrophysics, 2007, 464, 967-981.	2.1	66
82	Variations in the lithium abundances of turn off stars in the globular cluster 47ÂTucanae. Astronomy and Astrophysics, 2007, 470, 153-159.	2.1	36
83	Old open clusters as key tracers of Galactic chemical evolution. Astronomy and Astrophysics, 2006, 458, 121-134.	2.1	44
84	The Metallicity of the Old Open Cluster NGC 6791. Astrophysical Journal, 2006, 642, 462-469.	1.6	75
85	Discovery of Carbon/Oxygen-depleted Blue Straggler Stars in 47 Tucanae: The Chemical Signature of a Mass Transfer Formation Process. Astrophysical Journal, 2006, 647, L53-L56.	1.6	101
86	Abundances in Red Giant Stars of NGC 2808 and Correlations between Chemical Anomalies and Global Parameters in Globular Clusters. Astronomical Journal, 2006, 131, 1766-1783.	1.9	98
87	On the Iron Content of NGC 1978 in the LMC: A Metal-rich, Chemically Homogeneous Cluster. Astrophysical Journal, 2006, 645, L33-L36.	1.6	30
88	Photometric and spectroscopic study of the intermediate-age open cluster NGC 3960. Monthly Notices of the Royal Astronomical Society, 2006, 366, 1493-1502.	1.6	20
89	Na-O anticorrelation and HB. Astronomy and Astrophysics, 2006, 450, 523-533.	2.1	153
90	Na-O anticorrelation and HB. Astronomy and Astrophysics, 2006, 455, 271-281.	2.1	55

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91	Observational Evidence for a Different Initial Mass Function in the Early Galaxy. Astrophysical Journal, 2005, 625, 833-837.	1.6	73
92	The Binary Frequency Among Carbonâ€enhanced,sâ€Process–rich, Metalâ€poor Stars. Astrophysical Journal, 2005, 625, 825-832.	1.6	247
93	Metal Abundances of RR Lyrae Stars in the Metal-rich Globular Cluster NGC 6441. Astrophysical Journal, 2005, 630, L145-L148.	1.6	28
94	Observations of globular clusters with FLAMES. Proceedings of the International Astronomical Union, 2005, 1, 357-362.	0.0	0
95	High-resolution spectroscopy of the old open cluster CollinderÂ261: abundances of iron and other elements. Astronomy and Astrophysics, 2005, 441, 131-140.	2.1	54
96	Variable stars in the bar of the Large Magellanic Cloud: The photometric catalogue. Astronomy and Astrophysics, 2005, 430, 603-628.	2.1	21
97	Abundances of C, N, O in slightly evolved stars in the globular clusters NGCÂ6397, NGCÂ6752 and 47 Tuc. Astronomy and Astrophysics, 2005, 433, 597-611.	2.1	134
98	Li in NGC 6752 and the formation of globular clusters. Astronomy and Astrophysics, 2005, 441, 549-553.	2.1	88
99	Observational Evidence for a Different IMF in the Early Galaxy. Astrophysics and Space Science Library, 2005, , 495-498.	1.0	1
100	Heavy elements and chemical enrichment in globular clusters. Astronomy and Astrophysics, 2004, 427, 825-838.	2.1	71
101	Mass motions and chromospheres of RGB stars in the globular cluster NGC 2808. Astronomy and Astrophysics, 2004, 413, 343-362.	2.1	26
102	Abundance Variations within Globular Clusters. Annual Review of Astronomy and Astrophysics, 2004, 42, 385-440.	8.1	706
103	Star-to-Star Na and O Abundance Variations along the Red Giant Branch in NGC 2808. Astrophysical Journal, 2004, 610, L25-L28.	1.6	36
104	Heavy elements abundances in turn-off stars and early subgiants in NGCÂ6752. Astronomy and Astrophysics, 2004, 414, 1071-1079.	2.1	31
105	Abundance analysis of turn-off and early subgiant stars in the globular cluster 47 Tuc (NGC 104). Astronomy and Astrophysics, 2004, 416, 925-940.	2.1	128
106	Metal abundances of RRÂLyrae stars in the bar ofÂtheÂLargeÂMagellanicÂCloud. Astronomy and Astrophysics, 2004, 421, 937-952.	2.1	98
107	Abundance difference between components of wide binaries. Astronomy and Astrophysics, 2004, 420, 683-697.	2.1	83
108	Iron abundances from high-resolution spectroscopy of the open clusters NGC 2506, NGC 6134, and IC 4651. Astronomy and Astrophysics, 2004, 422, 951-962.	2.1	68

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109	Distance to the Large Magellanic Cloud: The RR Lyrae Stars. Astronomical Journal, 2003, 125, 1309-1329.	1.9	195
110	Abundances for metal-poor stars with accurate parallaxes. Astronomy and Astrophysics, 2003, 406, 131-140.	2.1	102
111	Abundances for metal-poor stars with accurate parallaxes. Astronomy and Astrophysics, 2003, 404, 187-210.	2.1	253
112	Distances and ages of NGCÂ6397, NGCÂ6752 and 47ÂTuc. Astronomy and Astrophysics, 2003, 408, 529-543.	2.1	238
113	Proton capture elements in the globular cluster NGC 2808. Astronomy and Astrophysics, 2003, 410, 143-154.	2.1	22
114	Stellar Archaeology: A Keck Pilot Program on Extremely Metal-Poor Stars From the Hamburg/ESO Survey. III. The Lead (P[CLC]b[/CLC]) Star HE 0024â~'2523. Astronomical Journal, 2003, 125, 875-893.	1.9	112
115	Anomalous RR Lyrae stars(?): CM Leonis. Monthly Notices of the Royal Astronomical Society, 2002, 336, 841-850.	1.6	12
116	The lithium content of the globular cluster NGCÂ6397. Astronomy and Astrophysics, 2002, 390, 91-101.	2.1	138
117	Stellar Archaeology: A Keck Pilot Program on Extremely Metal-poor Stars from the Hamburg/ESO Survey. I. Stellar Parameters. Astronomical Journal, 2002, 124, 470-480.	1.9	42
118	Stellar Archaeology: A Keck Pilot Program on Extremely Metal-poor Stars from the Hamburg/ESO Survey. II. Abundance Analysis. Astronomical Journal, 2002, 124, 481-506.	1.9	121
119	An Abundance Analysis for Four Red Horizontal-Branch Stars in the Extremely Metal-Rich Globular Cluster NGC 6528. Astronomical Journal, 2001, 122, 1469-1485.	1.9	107
120	The O-Na and Mg-Al anticorrelations in turn-off and early subgiants in globular clusters. Astronomy and Astrophysics, 2001, 369, 87-98.	2.1	437
121	Metal Abundances of Red Clump Stars in Open Clusters. I. NGC 6819. Astronomical Journal, 2001, 121, 327-336.	1.9	154
122	The White Dwarf Distance to the Globular Cluster 47 Tucanae and Its Age. Astrophysical Journal, 2001, 553, 733-743.	1.6	91
123	Metallicities for Double-Mode RR Lyrae Stars in the Large Magellanic Cloud. Astronomical Journal, 2001, 122, 207-219.	1.9	32
124	On the existence of differences in luminosity between horizontal branch stars in globular clusters and in the field. Monthly Notices of the Royal Astronomical Society, 2000, 316, 721-728.	1.6	17
125	Distances, Ages, and Epoch of Formation of Globular Clusters. Astrophysical Journal, 2000, 533, 215-235.	1.6	310
126	CU Comae: A New Field Double-Mode RR Lyrae Variable, the Most Metal-poor Discovered to Date. Astronomical Journal, 2000, 120, 2054-2064.	1.9	67

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127	Homogeneous photometry and metal abundances for a large sample of Hipparcos metal-poor stars. Monthly Notices of the Royal Astronomical Society, 1999, 302, 22-36.	1.6	68
128	An Abundance Analysis for Five Red Horizontalâ€Branch Stars in the Extremely Metalâ€rich Globular Cluster NGC 6553. Astrophysical Journal, 1999, 523, 739-751.	1.6	79
129	Distances and Ages of Globular Clusters Using Hipparcos Parallaxes of Local Subdwarfs. Astrophysics and Space Science Library, 1999, , 89-110.	1.0	4
130	The Luminosity Function of M3. Astrophysical Journal, 1999, 523, 752-762.	1.6	39
131	CCD photometry of the Galactic globular cluster M13. Monthly Notices of the Royal Astronomical Society, 1998, 293, 434-442.	1.6	29
132	The lower main sequence of the globular cluster M3 with the Hubble Space Telescope: luminosity and mass functions. Monthly Notices of the Royal Astronomical Society, 1998, 293, 479-488.	1.6	18
133	RR Lyrae variables in the globular cluster M3 (NGC 5272) - I. BVI CCD photometry. Monthly Notices of the Royal Astronomical Society, 1998, 298, 1005-1020.	1.6	19
134	The luminosity function of the globular cluster NGC 6752 with the Hubble Space Telescope: evidence of mass segregation. Monthly Notices of the Royal Astronomical Society, 1997, 286, 1012-1022.	1.6	34
135	Ages of Globular Clusters fromHIPPARCOSParallaxes of Local Subdwarfs. Astrophysical Journal, 1997, 491, 749-771.	1.6	255
136	Abundances for globular cluster giants. I. Homogeneous metallicities for 24 clusters. Astronomy and Astrophysics, 1997, 121, 95-112.	2.1	547
137	The Composition of HB Stars: RR Lyrae Variables. Astronomical Journal, 1995, 110, 2319.	1.9	110
138	Chemical abundances of RR Lyrae stars in the globular cluster M4. Monthly Notices of the Royal Astronomical Society, 1994, 267, 43-50.	1.6	6
139	Delta-S metallicities of 35 field RR Lyrae stars and the nature of BB Virginis and AR Herculis. Publications of the Astronomical Society of the Pacific, 1992, 104, 111.	1.0	11