

# Beatriz Barbuy

## List of Publications by Year in descending order

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96  
papers

7,309  
citations

87888

38  
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54911

84  
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97  
all docs

97  
docs citations

97  
times ranked

4207  
citing authors

#	ARTICLE	IF	CITATIONS
1	FSR 1776: A new globular cluster in the Galactic bulge?. <i>Astronomy and Astrophysics</i> , 2022, 657, A67.	5.1	5
2	CAPOS: The bulge Cluster APOgee Survey. <i>Astronomy and Astrophysics</i> , 2022, 658, A116.	5.1	8
3	Be, V, and Cu in the halo star CSÂ31082-001 from near-UV spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5362-5375.	4.4	4
4	The VISCACHA survey â€“ IV. The SMC West Halo in 8D. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4334-4351.	4.4	13
5	Galactic ArchaeoLogIcal ExcavatiOns (GALILEO). <i>Astronomy and Astrophysics</i> , 2022, 663, A126.	5.1	13
6	APOGEE-2S Mgâ€“Al anti-correlation of the metal-poor globular cluster NGC 2298. <i>Astronomy and Astrophysics</i> , 2022, 662, A47.	5.1	3
7	VV CL001: Likely the Most Metal-poor Surviving Globular Cluster in the Inner Galaxy. <i>Astrophysical Journal Letters</i> , 2021, 908, L42.	8.3	25
8	The VISCACHA survey. <i>Astronomy and Astrophysics</i> , 2021, 647, L9.	5.1	15
9	APOGEE discovery of a chemically atypical star disrupted from NGC 6723 and captured by the Milky Way bulge. <i>Astronomy and Astrophysics</i> , 2021, 647, A64.	5.1	20
10	APOGEE spectroscopic evidence for chemical anomalies in dwarf galaxies: The case of M 54 and Sagittarius. <i>Astronomy and Astrophysics</i> , 2021, 648, A70.	5.1	22
11	Gemini/Phoenix <i>H</i>-band analysis of the globular cluster AL 3. <i>Astronomy and Astrophysics</i> , 2021, 648, A16.	5.1	6
12	UVES analysis of red giants in the bulge globular cluster NGC 6522. <i>Astronomy and Astrophysics</i> , 2021, 654, A29.	5.1	7
13	CAPOS: The bulge Cluster APOgee Survey. <i>Astronomy and Astrophysics</i> , 2021, 652, A158.	5.1	13
14	APOGEE-2S Discovery of Light- and Heavy-element Abundance Correlations in the Bulge Globular Cluster NGC 6380. <i>Astrophysical Journal Letters</i> , 2021, 918, L9.	8.3	9
15	CAPOS: The bulge Cluster APOgee Survey. <i>Astronomy and Astrophysics</i> , 2021, 652, A157.	5.1	16
16	APOGEE-2 Discovery of a Large Population of Relatively High-metallicity Globular Cluster Debris. <i>Astrophysical Journal Letters</i> , 2021, 918, L37.	8.3	7
17	Abundances from integrated spectra of 47 Tucanae (NGC 104). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5834-5854.	4.4	3
18	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters. XX. Ages of Single and Multiple Stellar Populations in Seven Bulge Globular Clusters. <i>Astrophysical Journal</i> , 2020, 891, 37.	4.5	22

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19	Self-consistent Analysis of Stellar Clusters: An Application to HST Data of the Halo Globular Cluster NGC 6752. <i>Astrophysical Journal</i> , 2020, 890, 38.	4.5	25
20	An Updated Small Magellanic Cloud and Magellanic Bridge Catalog of Star Clusters, Associations, and Related Objects. <i>Astronomical Journal</i> , 2020, 159, 82.	4.7	31
21	From the bulge to the outer disc: StarHorse stellar parameters, distances, and extinctions for stars in APOGEE DR16 and other spectroscopic surveys. <i>Astronomy and Astrophysics</i> , 2020, 638, A76.	5.1	116
22	Trans-iron Ge, As, Se, and heavier elements in the dwarf metal-poor stars HD 19445, HD 84937, HD 94028, HD 140283, and HD 160617. <i>Astronomy and Astrophysics</i> , 2020, 638, A64.	5.1	18
23	VVVX-Gaia discovery of a low luminosity globular cluster in the Milky Way disk. <i>Astronomy and Astrophysics</i> , 2020, 642, L19.	5.1	18
24	The enigmatic globular cluster UKS 1 obscured by the bulge: <i>H</i> -band discovery of nitrogen-enhanced stars. <i>Astronomy and Astrophysics</i> , 2020, 643, A145.	5.1	22
25	Discovery of a Large Population of Nitrogen-enhanced Stars in the Magellanic Clouds. <i>Astrophysical Journal Letters</i> , 2020, 903, L17.	8.3	20
26	Cobalt and copper abundances in 56 Galactic bulge red giants. <i>Astronomy and Astrophysics</i> , 2020, 640, A89.	5.1	4
27	Another relic bulge globular cluster: ESO 456-SC38 (Djorgovski 2). <i>Astronomy and Astrophysics</i> , 2019, 627, A145.	5.1	16
28	Integrated Spectra of Milky Way Globular Clusters. <i>Astrophysical Journal</i> , 2019, 885, 28.	4.5	1
29	The VISCACHA survey – I. Overview and first results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5702-5722.	4.4	22
30	A deep view of a fossil relic in the Galactic bulge: the Globular Cluster HP1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 5530-5550.	4.4	34
31	Ages of the Bulge Globular Clusters NGC 6522 and NGC 6626 (M28) from HST Proper-motion-cleaned Color-Magnitude Diagrams*. <i>Astrophysical Journal</i> , 2018, 853, 15.	4.5	45
32	Homogeneous metallicities and radial velocities for Galactic globular clusters. <i>Astronomy and Astrophysics</i> , 2018, 619, A13.	5.1	25
33	The Hubble Space Telescope UV legacy survey of galactic globular clusters – XVI. The helium abundance of multiple populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5098-5122.	4.4	146
34	High-resolution abundance analysis of four red giants in the globular cluster NGC 6558. <i>Astronomy and Astrophysics</i> , 2018, 619, A178.	5.1	21
35	Calculation of molecular line intensity in stellar atmospheres. <i>Publications of the Astronomical Society of Australia</i> , 2018, 35, .	3.4	15
36	Crisis in Brazil. <i>Science</i> , 2018, 361, 1293-1293.	12.6	4

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37	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters â€“ XII. The RGB bumps of multiple stellar populations. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4088-4103.	4.4	40
38	Abundance patterns of the light neutron-capture elements in very and extremely metal-poor stars. Astronomy and Astrophysics, 2018, 611, A30.	5.1	31
39	Chemodynamical History of the Galactic Bulge. Annual Review of Astronomy and Astrophysics, 2018, 56, 223-276.	24.3	152
40	Oxygen and zinc abundances in 417 Galactic bulge red giants. Astronomy and Astrophysics, 2018, 614, A149.	5.1	21
41	Iron-peak elements Sc, V, Mn, Cu, and Zn in Galactic bulge globular clusters. Astronomy and Astrophysics, 2018, 616, A18.	5.1	23
42	Orbits of Selected Globular Clusters in the Galactic Bulge. Publications of the Astronomical Society of Australia, 2018, 35, .	3.4	21
43	The Hubble Space Telescope UV Legacy Survey of Galactic globular clusters â€“ IX. The Atlas of multiple stellar populations. Monthly Notices of the Royal Astronomical Society, 2017, 464, 3636-3656.	4.4	328
44	Abundances of the light elements from UV (HST) and red (ESO) spectra in the very old star HD 84937. Astronomy and Astrophysics, 2017, 600, A26.	5.1	15
45	Globular Clusters in the Galactic Bulge. Publications of the Astronomical Society of Australia, 2016, 33, .	3.4	65
46	SMC west halo: a slice of the galaxy that is being tidally stripped?. Astronomy and Astrophysics, 2016, 591, A11.	5.1	29
47	Looking for imprints of the first stellar generations in metal-poor bulge field stars. Astronomy and Astrophysics, 2016, 593, A79.	5.1	17
48	High-resolution abundance analysis of red giants in the metal-poor bulge globular cluster HP 1. Astronomy and Astrophysics, 2016, 591, A53.	5.1	30
49	FORS2/VLT survey of Milky Way globular clusters. Astronomy and Astrophysics, 2016, 590, A9.	5.1	62
50	FORS2/VLT survey of Milky Way globular clusters. Astronomy and Astrophysics, 2015, 573, A13.	5.1	24
51	High-resolution abundance analysis of HD 140283. Astronomy and Astrophysics, 2015, 584, A86.	5.1	24
52	Proper motions and kinematics of selected bulge globular clusters. Monthly Notices of the Royal Astronomical Society, 2015, 450, 3270-3288.	4.4	48
53	Bridge over troubled gas: clusters and associations under the SMC and LMC tidal stresses. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3191-3203.	4.4	17
54	The Hubble Space Telescope UV Legacy Survey of Galactic Globular Clusters â€“ V. Constraints on formation scenarios. Monthly Notices of the Royal Astronomical Society, 2015, 454, 4197-4207.	4.4	253

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55	THE HUBBLE SPACE TELESCOPE UV LEGACY SURVEY OF GALACTIC GLOBULAR CLUSTERS. I. OVERVIEW OF THE PROJECT AND DETECTION OF MULTIPLE STELLAR POPULATIONS. <i>Astronomical Journal</i> , 2015, 149, 91.	4.7	395
56	High-resolution abundance analysis of very metal-poor r-I stars. <i>Astronomy and Astrophysics</i> , 2014, 565, A93.	5.1	64
57	Self-consistent physical parameters for five intermediate-age SMC stellar clusters from CMD modelling. <i>Astronomy and Astrophysics</i> , 2014, 561, A106.	5.1	24
58	High-resolution abundance analysis of red giants in the globular cluster NGC 6522. <i>Astronomy and Astrophysics</i> , 2014, 570, A76.	5.1	48
59	First stars. <i>Astronomy and Astrophysics</i> , 2013, 550, A122.	5.1	70
60	VV DR1: The first data release of the Milky Way bulge and southern plane from the near-infrared ESO public survey VISTA variables in the Vía Láctea. <i>Astronomy and Astrophysics</i> , 2012, 537, A107.	5.1	312
61	Homogeneous metallicities and radial velocities for Galactic globular clusters. <i>Astronomy and Astrophysics</i> , 2012, 540, A27.	5.1	68
62	First stars. <i>Astronomy and Astrophysics</i> , 2011, 534, A60.	5.1	36
63	Discovery of VVÂCL001. <i>Astronomy and Astrophysics</i> , 2011, 527, A81.	5.1	60
64	Imprints of fast-rotating massive stars in the Galactic Bulge. <i>Nature</i> , 2011, 472, 454-457.	27.8	108
65	VISTA Variables in the Via Lactea (VV): The public ESO near-IR variability survey of the Milky Way. <i>New Astronomy</i> , 2010, 15, 433-443.	1.8	698
66	First stars XII. Abundances in extremely metal-poor turnoff stars, and comparison with the giants. <i>Astronomy and Astrophysics</i> , 2009, 501, 519-530.	5.1	170
67	Both accurate and precise $\langle gf \rangle$ -values for Fe II lines. <i>Astronomy and Astrophysics</i> , 2009, 497, 611-617.	5.1	138
68	Distances of the bulge globular clusters Terzan 5, Liller 1, UKS 1, and Terzan 4 based on HST NICMOS photometry. <i>Astronomy and Astrophysics</i> , 2007, 470, 1043-1049.	5.1	62
69	NGC 6558: A Blue Horizontal Branch Moderately Metal-Poor Globular Cluster in the Bulge. <i>Astronomical Journal</i> , 2007, 134, 1613-1625.	4.7	42
70	Symposium summary: stellar populations in bulges. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 459-462.	0.0	2
71	Oxygen, sodium, magnesium, and aluminium as tracers of the galactic bulge formation. <i>Astronomy and Astrophysics</i> , 2007, 465, 799-814.	5.1	160
72	First stars. <i>Astronomy and Astrophysics</i> , 2007, 476, 935-950.	5.1	242

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73	Globular cluster system and Milky Way properties revisited. <i>Astronomy and Astrophysics</i> , 2006, 450, 105-115.	5.1	134
74	VLT-UVES analysis of two giants in the bulge metal-poor globular cluster HP-1. <i>Astronomy and Astrophysics</i> , 2006, 449, 349-358.	5.1	42
75	AL 3 (BH 261): A New Globular Cluster in the Galaxy. <i>Astrophysical Journal</i> , 2006, 646, L115-L118.	4.5	21
76	SOARBV photometry of the metal-poor bulge globular cluster NGC 6642. <i>Astronomy and Astrophysics</i> , 2006, 449, 1019-1024.	5.1	13
77	A library of high resolution synthetic stellar spectra from 300Ånm to 1.8Åm with solar and $\alpha$ -enhanced composition. <i>Astronomy and Astrophysics</i> , 2005, 443, 735-746.	5.1	305
78	VLT-UVES analysis of 5 giants in 47 Tucanae. <i>Astronomy and Astrophysics</i> , 2005, 435, 657-667.	5.1	45
79	First stars V - Abundance patterns from C to Zn and supernova yields in the early Galaxy. <i>Astronomy and Astrophysics</i> , 2004, 416, 1117-1138.	5.1	870
80	A grid of synthetic spectra and indices Fe5270, Fe5335, Mgb and $Mg_{\lambda 2}$ as a function of stellar parameters and $[\alpha/Fe]$ . <i>Astronomy and Astrophysics</i> , 2003, 404, 661-668.	5.1	63
81	Gemini-Phoenix infrared high-resolution abundance analysis of five giants in the bulge globular cluster NGC 6553. <i>Astronomy and Astrophysics</i> , 2003, 411, 417-426.	5.1	55
82	Keck NIRSPEC Infrared OH Lines: Oxygen Abundances in Metal-poor Stars down to $[Fe/H] = -2.9$ . <i>Astrophysical Journal</i> , 2002, 575, 474-483.	4.5	59
83	First stars. I. The extreme-element rich, iron-poor halo giant CS 1082-001. <i>Astronomy and Astrophysics</i> , 2002, 387, 560-579.	5.1	392
84	Oxygen Abundances in Metal-poor Stars ( $-2.2 < [Fe/H] < -1.2$ ) from Infrared OH Lines. <i>Astrophysical Journal</i> , 2001, 556, 858-871.	4.5	51
85	Oscillator Strengths and Damping Constants for Atomic Lines in the J and H Bands. <i>Astrophysical Journal, Supplement Series</i> , 1999, 124, 527-546.	7.7	93
86	Colour-magnitude diagrams of the post-core collapse globular clusters NGC 6256 and NGC 6717 (Palomar 9). <i>Astronomy and Astrophysics</i> , 1999, 136, 237-243.	2.1	12
87	The Temperature Scale of Metal-rich M Giants Based on TiO Bands: Population Synthesis in the Near-Infrared. <i>Astrophysical Journal</i> , 1999, 510, 934-943.	4.5	30
88	[VI] Photometry of the Post-Core-Collapse Globular Cluster NGC 6558 and the Adjacent Bulge Field Population. <i>Astronomical Journal</i> , 1998, 116, 1295-1300.	4.7	23
89	V, I photometry of the bulge metal-rich globular clusters NGC 6380 and Terzan 12. <i>Astronomy and Astrophysics</i> , 1998, 127, 471-477.	2.1	11
90	HP 1: a blue horizontal branch globular cluster in the bulge. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 284, 692-698.	4.4	28

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91	The FeH Wing&Ford Band in Spectra of M Stars. <i>Astrophysical Journal</i> , 1997, 484, 499-510.	4.5	61
92	Near-coeval formation of the Galactic bulge and halo inferred from globular cluster ages. <i>Nature</i> , 1995, 377, 701-704.	27.8	246
93	Globular clusters in the inner Galaxy classified from dynamical orbital criteria. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	26
94	Photo-chemo-dynamical analysis and the origin of the bulge globular cluster, Palomar 6. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	9
95	Precise distances from OGLE-IV member RR Lyrae stars in six bulge globular clusters. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	3
96	Simulated observations of heavy elements with CUBES. <i>Experimental Astronomy</i> , 0, , 1.	3.7	2