Javier Alonso-GarcÃ-a

List of Publications by Year
in descending order

73 papers	4,003 citations	201674 27 h-index	114465 63 g-index
73 all docs	73 docs citations	73 times ranked	3853 citing authors

#	Article	IF	Citations
1	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
2	VISTA Variables in the Via Lactea (VVV): The public ESO near-IR variability survey of the Milky Way. New Astronomy, 2010, 15, 433-443.	1.8	698
3	VVV DR1: The first data release of the Milky Way bulge and southern plane from the near-infrared ESO public survey VISTA variables in the VÃa LÃ¡ctea. Astronomy and Astrophysics, 2012, 537, A107.	5.1	312
4	The Star Formation History and Spatial Distribution of Stellar Populations in the Ursa Minor Dwarf Spheroidal Galaxy. Astronomical Journal, 2002, 123, 3199-3209.	4.7	113
5	Interstellar extinction curve variations towards the inner Milky Way: a challenge to observational cosmology. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2692-2706.	4.4	98
6	New Galactic star clusters discovered in the VVV survey. Astronomy and Astrophysics, 2011, 532, A131.	5.1	90
7	UNCLOAKING GLOBULAR CLUSTERS IN THE INNER GALAXY. Astronomical Journal, 2012, 143, 70.	4.7	90
8	A Tidal Extension in the Ursa Minor Dwarf Spheroidal Galaxy. Astrophysical Journal, 2001, 549, L63-L66.	4.5	72
9	Atypical Mg-poor Milky Way Field Stars with Globular Cluster Second-generation-like Chemical Patterns. Astrophysical Journal Letters, 2017, 846, L2.	8.3	66
10	New VVV Survey Globular Cluster Candidates in the Milky Way Bulge*. Astrophysical Journal Letters, 2017, 849, L24.	8.3	65
11	A Sequoia in the Garden: FSR 1758â€"Dwarf Galaxy or Giant Globular Cluster?^{â^—}. Astrophysical Journal Letters, 2019, 870, L24.	8.3	61
12	Discovery of VVVÂCL001. Astronomy and Astrophysics, 2011, 527, A81.	5.1	60
13	Extinction Ratios in the Inner Galaxy as Revealed by the VVV Survey. Astrophysical Journal Letters, 2017, 849, L13.	8.3	60
14	Three Galactic globular cluster candidates. Astronomy and Astrophysics, 2011, 535, A33.	5.1	57
15	VARIABLE STARS IN THE VVV GLOBULAR CLUSTERS. I. 2MASS-GC 02 AND TERZAN 10. Astronomical Journal, 2015, 149, 99.	4.7	57
16	Milky Way demographics with the VVV survey. Astronomy and Astrophysics, 2018, 619, A4.	5.1	55
17	THE EDGE OF THE MILKY WAY STELLAR DISK REVEALED USING CLUMP GIANT STARS AS DISTANCE INDICATORS. Astrophysical Journal Letters, 2011, 733, L43.	8.3	51
18	Milky Way demographics with the VVV survey. Astronomy and Astrophysics, 2012, 544, A147.	5.1	49

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19	THE VVV SURVEY REVEALS CLASSICAL CEPHEIDS TRACING A YOUNG AND THIN STELLAR DISK ACROSS THE GALAXYâ€™S BULGE. Astrophysical Journal Letters, 2015, 812, L29.	8.3	42
20	FSR 1716: A New Milky Way Globular Cluster Confirmed Using VVV RR Lyrae Stars. Astrophysical Journal Letters, 2017, 838, L14.	8.3	42
21	Chemical abundances in bright giants of the globular cluster M62 (NGC 6266)â˜¨. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2638-2650.	4.4	41
22	A machine learned classifier for RR Lyrae in the VVV survey. Astronomy and Astrophysics, 2016, 595, A82.	5.1	36
23	Analysis of the physical nature of 22 New VVV Survey Globular Cluster candidates in the Milky Way bulge. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3140-3149.	4.4	33
24	The VVV Templates Project Towards an automated classification of VVV light-curves. Astronomy and Astrophysics, 2014, 567, A100.	5.1	31
25	The structure behind the Galactic bar traced by red clump stars in the VVV survey. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 481, L130-L135.	3.3	29
26	Characterization of the VVV Survey RR Lyrae Population across the Southern Galactic Plane. Astronomical Journal, 2017, 153, 179.	4.7	28
27	The VVV Survey RR Lyrae Population in the Galactic Center Region*. Astrophysical Journal, 2018, 863, 79.	4.5	28
28	A new near-IR window of low extinction in the Galactic plane. Astronomy and Astrophysics, 2018, 616, A26.	5.1	27
29	DISCOVERY OF A PAIR OF CLASSICAL CEPHEIDS IN AN INVISIBLE CLUSTER BEYOND THE GALACTIC BULGE. Astrophysical Journal Letters, 2015, 799, L11.	8.3	25
30	The enigmatic globular cluster UKS 1 obscured by the bulge: H-band discovery of nitrogen-enhanced stars. Astronomy and Astrophysics, 2020, 643, A145.	5.1	22
31	MAPPING DIFFERENTIAL REDDENING IN THE INNER GALACTIC GLOBULAR CLUSTER SYSTEM. Astronomical Journal, 2011, 141, 146.	4.7	20
32	APOGEE discovery of a chemically atypical star disrupted from NGC 6723 and captured by the Milky Way bulge. Astronomy and Astrophysics, 2021, 647, A64.	5.1	20
33	WIDE FIELD NEAR-INFRARED PHOTOMETRY OF 12 GALACTIC GLOBULAR CLUSTERS: OBSERVATIONS VERSUS MODELS ON THE RED GIANT BRANCH. Astronomical Journal, 2015, 150, 176.	4.7	19
34	Deep Hubble Space Telescope Imaging of Globular Clusters toward the Galactic Bulge: Observations, Data Reduction, and Colorâ€“magnitude Diagrams*. Astronomical Journal, 2018, 156, 41.	4.7	19
35	Discovery of Tidal RR Lyrae Stars in the Bulge Globular Cluster M62^{âˆ—}. Astrophysical Journal Letters, 2018, 869, L10.	8.3	18
36	Stellar Populations in the Outer Reaches of M31 and M32 from WFPC2 Photometry. Publications of the Astronomical Society of the Pacific, 2004, 116, 295-299.	3.1	17

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37	RR Lyrae Stars in M32: Signatures of an Ancient Population. Astronomical Journal, 2004, 127, 868-874.	4.7	17
38	VVV SURVEY OBSERVATIONS OF A MICROLENSING STELLAR MASS BLACK HOLE CANDIDATE IN THE FIELD OF THE GLOBULAR CLUSTER NGC 6553. Astrophysical Journal Letters, 2015, 810, L20.	8.3	17
39	Confirmation and physical characterization of the new bulge globular cluster Patchick 99 from the VVV and Gaia surveys. Astronomy and Astrophysics, 2021, 649, A86.	5.1	17
40	New Metal-poor Globular Clusters in the Galactic Bulge: The Elephant Graveyard*. Research Notes of the AAS, 2017, 1, 16.	0.7	17
41	G2C2 â€“ IV. A novel approach to study the radial distributions of multiple populations in Galactic globular clusters. Monthly Notices of the Royal Astronomical Society, 2015, 451, 275-281.	4.4	15
42	The Population of Pulsating Variable Stars in the Sextans Dwarf Spheroidal Galaxy. Astronomical Journal, 2019, 157, 35.	4.7	15
43	THE FIRST CONFIRMED MICROLENS IN A GLOBULAR CLUSTER. Astrophysical Journal Letters, 2012, 744, L18.	8.3	14
44	Discovery of new companions to high proper motion stars from the VVV Survey. Astronomy and Astrophysics, 2013, 560, A21.	5.1	14
45	New variable stars discovered in the fields of three Galactic open clusters using the VVV survey. New Astronomy, 2016, 49, 50-62.	1.8	14
46	Milky Way demographics with the VVV survey. Astronomy and Astrophysics, 2014, 571, A91.	5.1	13
47	Chemical abundances in the metal-intermediate GC NGC 6723. Monthly Notices of the Royal Astronomical Society, 2019, 487, 5463-5474.	4.4	13
48	Variable stars in the VVV globular clusters. Astronomy and Astrophysics, 2021, 651, A47.	5.1	13
49	CAPOS: The bulge Cluster APOgee Survey. Astronomy and Astrophysics, 2021, 652, A158.	5.1	13
50	CONSTRAINTS ON HELIUM ENHANCEMENT IN THE GLOBULAR CLUSTER M4 (NGC 6121): THE HORIZONTAL BRANCH TEST. Astrophysical Journal, 2014, 782, 85.	4.5	12
51	Confirmation of two new Galactic bulge globular clusters: FSR 19 and FSR 25. Astronomy and Astrophysics, 2021, 654, A39.	5.1	12
52	Near-infrared photometry and spectroscopy of the low Galactic latitude globular cluster 2MASS-GCÂ03. Monthly Notices of the Royal Astronomical Society, 2016, 462, 501-510.	4.4	11
53	The Orbit of the New Milky Way Globular Cluster FSR1716Â=ÂVVV-GC05^{âˆ—}. Astrophysical Journal, 2018, 863, 78.	4.5	11
54	The RR Lyrae projected density distribution from the Galactic centre to the halo. Astronomy and Astrophysics, 2021, 646, A45.	5.1	11

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55	DDO 44 and UGC 4998: Distances, Metallicities, and Star Formation Histories. Publications of the Astronomical Society of the Pacific, 2006, 118, 580-589.	3.1	10
56	Confirmation of a New Metal-poor Globular Cluster in the Galactic Bulge^{â^—}. Astrophysical Journal, 2018, 866, 12.	4.5	10
57	The Elephant Graveyard: 24 New Globular Cluster Candidates in the Galactic Bulge*. Research Notes of the AAS, 2017, 1, 54.	0.7	10
58	Candidate Hypervelocity Red Clump Stars in the Galactic Bulge Found Using the VVV and Gaia Surveys*. Astrophysical Journal Letters, 2019, 887, L39.	8.3	9
59	Physical characterization of recently discovered globular clusters in the Sagittarius dwarf spheroidal galaxy. Astronomy and Astrophysics, 2021, 654, A23.	5.1	9
60	Variable stars in the Quintuplet stellar cluster with the VVV survey. Monthly Notices of the Royal Astronomical Society, 2016, 462, 1180-1191.	4.4	8
61	VVV Survey of Blue Horizontal Branch Stars in the Bulgeâ€“Halo Transition Region of the Milky Way. Astrophysical Journal, 2019, 872, 206.	4.5	8
62	Unveiling the nature of 12 new low-luminosity Galactic globular cluster candidates. Astronomy and Astrophysics, 2022, 659, A155.	5.1	8
63	Variability and stellar populations with deep optical-IR images of the Milky Way disc: matching VVV with VLT/VIMOS data. Astronomy and Astrophysics, 2012, 537, A116.	5.1	6
64	KMT-2018-BLG-1292: A Super-Jovian Microlens Planet in the Galactic Plane. Astronomical Journal, 2020, 159, 58.	4.7	6
65	A new low-luminosity globular cluster discovered in the Milky Way with the VVVX survey. Astronomy and Astrophysics, 2022, 662, A95.	5.1	5
66	The G 305 Star-forming Region. II. Irregular Variable Stars. Astrophysical Journal, 2021, 914, 28.	4.5	4
67	Variable stars in the globular cluster MÂ28 (NGCÂ6626). Astronomy and Astrophysics, 2012, 543, A148.	5.1	4
68	Fifty Star Cluster Candidates toward the Galactic Bulge from VVV and Gaia. Research Notes of the AAS, 2019, 3, 101.	0.7	4
69	Uncloaking globular clusters of the inner Galaxy. Proceedings of the International Astronomical Union, 2007, 3, 359-360.	0.0	1
70	Impossible Survivors: New Star Cluster Candidates in the Galactic Bulge. Research Notes of the AAS, 2020, 4, 218.	0.7	1
71	Variability Survey of Ï‰ Centauri in the Near-IR: Period-Luminosity Relations. Proceedings of the International Astronomical Union, 2015, 12, 351-352.	0.0	0
72	Variable stars in the VVV globular clusters. EPJ Web of Conferences, 2017, 152, 01022.	0.3	0

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73	Pulsating stars in ï‰ Centauri. Near-IR properties and period-luminosity relations. EPJ Web of Conferences, 2017, 152, 07005.	0.3	0