

# Olga Zamora

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8186449/publications.pdf>

Version: 2024-02-01

96  
papers

17,150  
citations

44069

48  
h-index

38395

95  
g-index

98  
all docs

98  
docs citations

98  
times ranked

12315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detailed Chemical Abundances for a Benchmark Sample of M Dwarfs from the APOGEE Survey. <i>Astrophysical Journal</i> , 2022, 927, 123.	4.5	12
2	Probing 3D and NLTE models using APOGEE observations of globular cluster stars. <i>Astronomy and Astrophysics</i> , 2021, 647, A24.	5.1	5
3	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code – III. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1645-1660.	4.4	15
4	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. <i>Astronomical Journal</i> , 2021, 162, 302.	4.7	44
5	The age–chemical abundance structure of the Galactic disc II. $\alpha$ -dichotomy and thick disc formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2371-2384.	4.4	39
6	Phosphorus-rich stars with unusual abundances are challenging theoretical predictions. <i>Nature Communications</i> , 2020, 11, 3759.	12.8	23
7	Stellar Characterization of M Dwarfs from the APOGEE Survey: A Calibrator Sample for M-dwarf Metallicities. <i>Astrophysical Journal</i> , 2020, 890, 133.	4.5	26
8	The age–chemical abundance structure of the Galaxy I: evidence for a late-accretion event in the outer disc at $z \sim 0.6$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 2561-2575.	4.4	30
9	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	7.7	826
10	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code – II. The Southern clusters and overview. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1641-1670.	4.4	103
11	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
12	APOGEE Data and Spectral Analysis from SDSS Data Release 16: Seven Years of Observations Including First Results from APOGEE-South. <i>Astronomical Journal</i> , 2020, 160, 120.	4.7	266
13	Heavy-element Abundances in P-rich Stars: A New Site for the s-process?. <i>Astrophysical Journal Letters</i> , 2020, 904, L1.	8.3	10
14	$H\alpha$ -band discovery of additional second-generation stars in the Galactic bulge globular cluster NGC 6522 as observed by APOGEE and Gaia. <i>Astronomy and Astrophysics</i> , 2019, 627, A178.	5.1	24
15	Chemical and Kinematic Analysis of CN-strong Metal-poor Field Stars in LAMOST DR3. <i>Astrophysical Journal</i> , 2019, 871, 58.	4.5	23
16	The metal-rich halo tail extended in $ z $ : a characterization with Gaia DR2 and APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1462-1479.	4.4	16
17	Discovery of Resolved Magnetically Split Lines in SDSS/APOGEE Spectra of 157 Ap/Bp Stars. <i>Astrophysical Journal Letters</i> , 2019, 873, L5.	8.3	19
18	The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 23.	7.7	299

#	ARTICLE	IF	CITATIONS
19	Chemical Abundances of Main-sequence, Turnoff, Subgiant, and Red Giant Stars from APOGEE Spectra. II. Atomic Diffusion in M67 Stars. <i>Astrophysical Journal</i> , 2019, 874, 97.	4.5	55
20	Constraining Metallicity-dependent Mixing and Extra Mixing Using [C/N] in Alpha-rich Field Giants. <i>Astrophysical Journal</i> , 2019, 872, 137.	4.5	44
21	Exploring circumstellar effects on the lithium and calcium abundances in massive Galactic O-rich AGB stars. <i>Astronomy and Astrophysics</i> , 2019, 623, A151.	5.1	3
22	APOGEE [C/N] Abundances across the Galaxy: Migration and Infall from Red Giant Ages. <i>Astrophysical Journal</i> , 2019, 871, 181.	4.5	25
23	Identifying Sagittarius Stream Stars by Their APOGEE Chemical Abundance Signatures. <i>Astrophysical Journal</i> , 2019, 872, 58.	4.5	37
24	Massive Stars in the SDSS-IV/APOGEE-2 Survey. II. OB-stars in the W345 Complexes. <i>Astrophysical Journal</i> , 2019, 873, 66.	4.5	5
25	Chemical Cartography with APOGEE: Multi-element Abundance Ratios. <i>Astrophysical Journal</i> , 2019, 874, 102.	4.5	85
26	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code. <i>Astronomy and Astrophysics</i> , 2019, 622, A191.	5.1	63
27	Discovery of a nitrogen-enhanced mildly metal-poor binary system: Possible evidence for pollution from an extinct AGB star. <i>Astronomy and Astrophysics</i> , 2019, 631, A97.	5.1	18
28	StarHorse: a Bayesian tool for determining stellar masses, ages, distances, and extinctions for field stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 2556-2583.	4.4	141
29	Chemical Abundances of Main-sequence, Turnoff, Subgiant, and Red Giant Stars from APOGEE Spectra. I. Signatures of Diffusion in the Open Cluster M67. <i>Astrophysical Journal</i> , 2018, 857, 14.	4.5	52
30	Disentangling the Galactic Halo with APOGEE. II. Chemical and Star Formation Histories for the Two Distinct Populations. <i>Astrophysical Journal</i> , 2018, 852, 50.	4.5	53
31	Elemental Abundances of Kepler Objects of Interest in APOGEE. I. Two Distinct Orbital Period Regimes Inferred from Host Star Iron Abundances. <i>Astronomical Journal</i> , 2018, 155, 68.	4.7	58
32	Disentangling the Galactic Halo with APOGEE. I. Chemical and Kinematical Investigation of Distinct Metal-poor Populations. <i>Astrophysical Journal</i> , 2018, 852, 49.	4.5	123
33	Massive Stars in the SDSS-IV/APOGEE SURVEY. I. OB Stars. <i>Astrophysical Journal</i> , 2018, 855, 68.	4.5	14
34	The Metal-poor non-Sagittarius (?) Globular Cluster NGC 5053: Orbit and Mg, Al, and Si Abundances. <i>Astrophysical Journal</i> , 2018, 855, 38.	4.5	24
35	Forty-four New and Known M-dwarf Multiples in the SDSS-III/APOGEE M-dwarf Ancillary Science Sample. <i>Astronomical Journal</i> , 2018, 156, 45.	4.7	8
36	Binary Companions of Evolved Stars in APOGEE DR14: Search Method and Catalog of $\sim 1/4$ 5000 Companions. <i>Astronomical Journal</i> , 2018, 156, 18.	4.7	2,267

#	ARTICLE	IF	CITATIONS
37	280 one-opposition near-Earth asteroids recovered by the EURONEAR with the <i>Isaac Newton</i> Telescope. <i>Astronomy and Astrophysics</i> , 2018, 609, A105.	5.1	10
38	The Second APOKASC Catalog: The Empirical Approach. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 32.	7.7	183
39	The Open Cluster Chemical Abundances and Mapping Survey. II. Precision Cluster Abundances for APOGEE Using SDSS DR14. <i>Astronomical Journal</i> , 2018, 156, 142.	4.7	51
40	The APOGEE-2 Survey of the Orion Star-forming Complex. II. Six-dimensional Structure. <i>Astronomical Journal</i> , 2018, 156, 84.	4.7	216
41	Age-resolved chemistry of red giants in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2326-2348.	4.4	54
42	The Origin of the 300 km s <sup>-1</sup> Stream near Segue 1. <i>Astrophysical Journal</i> , 2018, 866, 42.	4.5	10
43	APOGEE Data Releases 13 and 14: Stellar Parameter and Abundance Comparisons with Independent Analyses. <i>Astronomical Journal</i> , 2018, 156, 126.	4.7	113
44	APOGEE Data Releases 13 and 14: Data and Analysis. <i>Astronomical Journal</i> , 2018, 156, 125.	4.7	220
45	A view of the H-band light-element chemical patterns in globular clusters under the AGB self-enrichment scenario. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 3098-3116.	4.4	24
46	Disk-like Chemistry of the Triangulum-Andromeda Overdensity as Seen by APOGEE. <i>Astrophysical Journal Letters</i> , 2018, 859, L8.	8.3	24
47	A Chemical and Kinematical Analysis of the Intermediate-age Open Cluster IC 166 from APOGEE and Gaia DR2. <i>Astronomical Journal</i> , 2018, 156, 94.	4.7	8
48	Signatures of the Galactic bar on stellar kinematics unveiled by APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 1231-1243.	4.4	6
49	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. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
50	A photometric study of globular clusters observed by the APOGEE survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 1633-1645.	4.4	5
51	Stellar and Planetary Characterization of the Ross 128 Exoplanetary System from APOGEE Spectra. <i>Astrophysical Journal Letters</i> , 2018, 860, L15.	8.3	21
52	Chemical Abundances of M-Dwarfs from the Apogee Survey. I. The Exoplanet Hosting Stars Kepler-138 and Kepler-186. <i>Astrophysical Journal</i> , 2017, 835, 239.	4.5	56
53	Galactic archaeology with asteroseismology and spectroscopy: Red giants observed by CoRoT and APOGEE. <i>Astronomy and Astrophysics</i> , 2017, 597, A30.	5.1	84
54	The Correlation between Mixing Length and Metallicity on the Giant Branch: Implications for Ages in the Gaia Era. <i>Astrophysical Journal</i> , 2017, 840, 17.	4.5	80

#	ARTICLE	IF	CITATIONS
55	Atypical Mg-poor Milky Way Field Stars with Globular Cluster Second-generation-like Chemical Patterns. <i>Astrophysical Journal Letters</i> , 2017, 846, L2.	8.3	66
56	Adding the s-Process Element Cerium to the APOGEE Survey: Identification and Characterization of Ce ii Lines in the H-band Spectral Window. <i>Astrophysical Journal</i> , 2017, 844, 145.	4.5	66
57	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. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25.	7.7	406
58	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017, 154, 28.	4.7	1,100
59	Two groups of red giants with distinct chemical abundances in the bulge globular cluster NGC 6553 through the eyes of APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 19-31.	4.4	39
60	Chemical tagging with APOGEE: discovery of a large population of N-rich stars in the inner Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 501-524.	4.4	150
61	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , 2017, 154, 94.	4.7	1,065
62	The First APOKASC Catalog of Kepler Dwarf and Subgiant Stars. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 23.	7.7	121
63	Rubidium and zirconium abundances in massive Galactic asymptotic giant branch stars revisited. <i>Astronomy and Astrophysics</i> , 2017, 606, A20.	5.1	17
64	Red giants observed by CoRoT and APOGEE: The evolution of the Milky Way's radial metallicity gradient. <i>Astronomy and Astrophysics</i> , 2017, 600, A70.	5.1	102
65	Rb and Zr abundances in massive Galactic AGB stars revisited. <i>Journal of Physics: Conference Series</i> , 2016, 728, 072003.	0.4	0
66	IDENTIFICATION OF NEODYMIUM IN THE APOGEE H-BAND SPECTRA. <i>Astrophysical Journal</i> , 2016, 833, 81.	4.5	51
67	DISCOVERY OF A METAL-POOR FIELD GIANT WITH A GLOBULAR CLUSTER SECOND-GENERATION ABUNDANCE PATTERN. <i>Astrophysical Journal</i> , 2016, 833, 132.	4.5	53
68	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. <i>Astronomical Journal</i> , 2016, 151, 144.	4.7	497
69	Red giant masses and ages derived from carbon and nitrogen abundances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 3655-3670.	4.4	183
70	CHEMICAL ABUNDANCES IN A SAMPLE OF RED GIANTS IN THE OPEN CLUSTER NGC 2420 FROM APOGEE. <i>Astrophysical Journal</i> , 2016, 830, 35.	4.5	27
71	Studying the evolution of AGB stars in the Gaia epoch. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 395-413.	4.4	28
72	EVIDENCE OF AGB POLLUTION IN GALACTIC GLOBULAR CLUSTERS FROM THE Mg-Al ANTICORRELATIONS OBSERVED BY THE APOGEE SURVEY. <i>Astrophysical Journal Letters</i> , 2016, 831, L17.	8.3	38

#	ARTICLE	IF	CITATIONS
73	Chemical abundance gradients from open clusters in the Milky Way disk: Results from the APOGEE survey. <i>Astronomische Nachrichten</i> , 2016, 337, 922-925.	1.2	37
74	COMPANIONS TO APOGEE STARS. I. A MILKY WAY-SPANNING CATALOG OF STELLAR AND SUBSTELLAR COMPANION CANDIDATES AND THEIR DIVERSE HOSTS. <i>Astronomical Journal</i> , 2016, 151, 85.	4.7	68
75	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. <i>Astronomical Journal</i> , 2015, 150, 148.	4.7	344
76	THE SDSS-III APOGEE SPECTRAL LINE LIST FOR $H\alpha$ -BAND SPECTROSCOPY. <i>Astrophysical Journal</i> , Supplement Series, 2015, 221, 24.	7.7	137
77	CLEAR EVIDENCE FOR THE PRESENCE OF SECOND-GENERATION ASYMPTOTIC GIANT BRANCH STARS IN METAL-POOR GALACTIC GLOBULAR CLUSTERS. <i>Astrophysical Journal Letters</i> , 2015, 815, L4.	8.3	36
78	Evidence for a metal-poor population in the inner Galactic bulge. <i>Astronomy and Astrophysics</i> , 2015, 584, A45.	5.1	23
79	Young $\alpha$ -enriched giant stars in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 2230-2243.	4.4	133
80	First EURONEAR NEA discoveries from La Palma using the INT... <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 449, 1614-1624.	4.4	13
81	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2015, 808, 132.	4.5	468
82	NEW H-BAND STELLAR SPECTRAL LIBRARIES FOR THE SDSS-III/APOGEE SURVEY. <i>Astronomical Journal</i> , 2015, 149, 181.	4.7	114
83	RAPID ROTATION OF LOW-MASS RED GIANTS USING APOKASC: A MEASURE OF INTERACTION RATES ON THE POST-MAIN-SEQUENCE. <i>Astrophysical Journal</i> , 2015, 807, 82.	4.5	53
84	EXPLORING ANTICORRELATIONS AND LIGHT ELEMENT VARIATIONS IN NORTHERN GLOBULAR CLUSTERS OBSERVED BY THE APOGEE SURVEY. <i>Astronomical Journal</i> , 2015, 149, 153.	4.7	133
85	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <i>Astrophysical Journal</i> , Supplement Series, 2015, 219, 12.	7.7	1,877
86	THE APOGEE SPECTROSCOPIC SURVEY OF $KEPLER$ PLANET HOSTS: FEASIBILITY, EFFICIENCY, AND FIRST RESULTS. <i>Astronomical Journal</i> , 2015, 149, 143.	4.7	40
87	Circumstellar effects on the Rb abundances in O-rich AGB stars. <i>Astronomy and Astrophysics</i> , 2014, 564, L4.	5.1	23
88	THE APOKASC CATALOG: AN ASTEROSEISMIC AND SPECTROSCOPIC JOINT SURVEY OF TARGETS IN THE $KEPLER$ FIELDS. <i>Astrophysical Journal</i> , Supplement Series, 2014, 215, 19.	7.7	268
89	THE APOGEE RED-CLUMP CATALOG: PRECISE DISTANCES, VELOCITIES, AND HIGH-RESOLUTION ELEMENTAL ABUNDANCES OVER A LARGE AREA OF THE MILKY WAY'S DISK. <i>Astrophysical Journal</i> , 2014, 790, 127.	4.5	181
90	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. <i>Astrophysical Journal</i> , 2014, 796, 38.	4.5	181

#	ARTICLE	IF	CITATIONS
91	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. <i>Astrophysical Journal, Supplement Series</i> , 2014, 211, 17.	7.7	820
92	Hot bottom burning and s-process nucleosynthesis in massive AGB stars at the beginning of the thermally-pulsing phase. <i>Astronomy and Astrophysics</i> , 2013, 555, L3.	5.1	51
93	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 21.	7.7	1,158
94	Merging in the common envelope and the origin of early R-type stars. <i>Astronomy and Astrophysics</i> , 2010, 522, A80.	5.1	12
95	The chemical composition of carbon stars. The R-type stars. <i>Astronomy and Astrophysics</i> , 2009, 508, 909-922.	5.1	38
96	The Chemical Composition and Evolutionary Status of R-Type Stars. <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 558-558.	3.1	1