Olga Zamora

List of Publications by Year
in descending order

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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	Binary Companions of Evolved Stars in APOGEE DR14: Search Method and Catalog of â¼5000 Companions. Astronomical Journal, 2018, 156, 18.	4.7	2,267
2	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2015, 219, 12.	7.7	1,877
3	THE NINTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY. Astrophysical Journal, Supplement Series, 2012, 203, 21.	7.7	1,158
4	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
5	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). Astronomical Journal, 2017, 154, 94.	4.7	1,065
6	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.	7.7	826
7	THE TENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST SPECTROSCOPIC DATA FROM THE SDSS-III APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT. Astrophysical Journal, Supplement Series, 2014, 211, 17.	7.7	820
8	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.	7.7	796
9	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. Astronomical Journal, 2016, 151, 144.	4.7	497
10	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. Astrophysical Journal, 2015, 808, 132.	4.5	468
11	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.	7.7	406
12	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. Astronomical Journal, 2015, 150, 148.	4.7	344
13	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.	7.7	299
14	THE APOKASC CATALOG: AN ASTEROSEISMIC AND SPECTROSCOPIC JOINT SURVEY OF TARGETS IN THE KEPLER FIELDS. Astrophysical Journal, Supplement Series, 2014, 215, 19.	7.7	268
15	APOGEE Data and Spectral Analysis from SDSS Data Release 16: Seven Years of Observations Including First Results from APOGEE-South. Astronomical Journal, 2020, 160, 120.	4.7	266
16	APOGEE Data Releases 13 and 14: Data and Analysis. Astronomical Journal, 2018, 156, 125.	4.7	220
17	The APOGEE-2 Survey of the Orion Star-forming Complex. II. Six-dimensional Structure. Astronomical Journal, 2018, 156, 84.	4.7	216
18	Red giant masses and ages derived from carbon and nitrogen abundances. Monthly Notices of the Royal Astronomical Society, 2016, 456, 3655-3670.	4.4	183

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19	The Second APOKASC Catalog: The Empirical Approach. Astrophysical Journal, Supplement Series, 2018, 239, 32.	7.7	183
20	THE APOGEE RED-CLUMP CATALOG: PRECISE DISTANCES, VELOCITIES, AND HIGH-RESOLUTION ELEMENTAL ABUNDANCES OVER A LARGE AREA OF THE MILKY WAY'S DISK. Astrophysical Journal, 2014, 790, 127.	4.5	181
21	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. Astrophysical Journal, 2014, 796, 38.	4.5	181
22	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.	4.4	150
23	StarHorse: a Bayesian tool for determining stellar masses, ages, distances, and extinctions for field stars. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2556-2583.	4.4	141
24	THE SDSS-III APOGEE SPECTRAL LINE LIST FOR H -BAND SPECTROSCOPY. Astrophysical Journal, Supplement Series, 2015, 221, 24.	7.7	137
25	Young Î±-enriched giant stars in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2230-2243.	4.4	133
26	EXPLORING ANTICORRELATIONS AND LIGHT ELEMENT VARIATIONS IN NORTHERN GLOBULAR CLUSTERS OBSERVED BY THE APOGEE SURVEY. Astronomical Journal, 2015, 149, 153.	4.7	133
27	Disentangling the Galactic Halo with APOGEE. I. Chemical and Kinematical Investigation of Distinct Metal-poor Populations. Astrophysical Journal, 2018, 852, 49.	4.5	123
28	The First APOKASC Catalog of Kepler Dwarf and Subgiant Stars. Astrophysical Journal, Supplement Series, 2017, 233, 23.	7.7	121
29	From the bulge to the outer disc: StarHorse stellar parameters, distances, and extinctions for stars in APOGEE DR16 and other spectroscopic surveys. Astronomy and Astrophysics, 2020, 638, A76.	5.1	116
30	NEW H-BAND STELLAR SPECTRAL LIBRARIES FOR THE SDSS-III/APOGEE SURVEY. Astronomical Journal, 2015, 149, 181.	4.7	114
31	APOGEE Data Releases 13 and 14: Stellar Parameter and Abundance Comparisons with Independent Analyses. Astronomical Journal, 2018, 156, 126.	4.7	113
32	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code â€“ II. The Southern clusters and overview. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1641-1670.	4.4	103
33	Red giants observed by CoRoT and APOGEE: The evolution of the Milky Wayâ€™s radial metallicity gradient. Astronomy and Astrophysics, 2017, 600, A70.	5.1	102
34	Chemical Cartography with APOGEE: Multi-element Abundance Ratios. Astrophysical Journal, 2019, 874, 102.	4.5	85
35	Galactic archaeology with asteroseismology and spectroscopy: Red giants observed by CoRoT and APOGEE. Astronomy and Astrophysics, 2017, 597, A30.	5.1	84
36	The Correlation between Mixing Length and Metallicity on the Giant Branch: Implications for Ages in the Gaia Era. Astrophysical Journal, 2017, 840, 17.	4.5	80

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37	COMPANIONS TO APOGEE STARS. I. A MILKY WAY-SPANNING CATALOG OF STELLAR AND SUBSTELLAR COMPANION CANDIDATES AND THEIR DIVERSE HOSTS. Astronomical Journal, 2016, 151, 85.	4.7	68
38	Atypical Mg-poor Milky Way Field Stars with Globular Cluster Second-generation-like Chemical Patterns. Astrophysical Journal Letters, 2017, 846, L2.	8.3	66
39	Adding the s-Process Element Cerium to the APOGEE Survey: Identification and Characterization of Ce ii Lines in the H-band Spectral Window. Astrophysical Journal, 2017, 844, 145.	4.5	66
40	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code. Astronomy and Astrophysics, 2019, 622, A191.	5.1	63
41	Elemental Abundances of Kepler Objects of Interest in APOGEE. I. Two Distinct Orbital Period Regimes Inferred from Host Star Iron Abundances. Astronomical Journal, 2018, 155, 68.	4.7	58
42	Chemical Abundances of M-Dwarfs from the Apogee Survey. I. The Exoplanet Hosting Stars Kepler-138 and Kepler-186. Astrophysical Journal, 2017, 835, 239.	4.5	56
43	Chemical Abundances of Main-sequence, Turnoff, Subgiant, and Red Giant Stars from APOGEE Spectra. II. Atomic Diffusion in M67 Stars. Astrophysical Journal, 2019, 874, 97.	4.5	55
44	Age-resolved chemistry of red giants in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2326-2348.	4.4	54
45	RAPID ROTATION OF LOW-MASS RED GIANTS USING APOKASC: A MEASURE OF INTERACTION RATES ON THE POST-MAIN-SEQUENCE. Astrophysical Journal, 2015, 807, 82.	4.5	53
46	DISCOVERY OF A METAL-POOR FIELD GIANT WITH A GLOBULAR CLUSTER SECOND-GENERATION ABUNDANCE PATTERN. Astrophysical Journal, 2016, 833, 132.	4.5	53
47	Disentangling the Galactic Halo with APOGEE. II. Chemical and Star Formation Histories for the Two Distinct Populations. Astrophysical Journal, 2018, 852, 50.	4.5	53
48	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.	4.5	52
49	Hot bottom burning and s-process nucleosynthesis in massive AGB stars at the beginning of the thermally-pulsing phase. Astronomy and Astrophysics, 2013, 555, L3.	5.1	51
50	IDENTIFICATION OF NEODYMIUM IN THE APOGEE H-BAND SPECTRA. Astrophysical Journal, 2016, 833, 81.	4.5	51
51	The Open Cluster Chemical Abundances and Mapping Survey. II. Precision Cluster Abundances for APOGEE Using SDSS DR14. Astronomical Journal, 2018, 156, 142.	4.7	51
52	Constraining Metallicity-dependent Mixing and Extra Mixing Using [C/N] in Alpha-rich Field Giants. Astrophysical Journal, 2019, 872, 137.	4.5	44
53	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. Astronomical Journal, 2021, 162, 302.	4.7	44
54	THE APOGEE SPECTROSCOPIC SURVEY OFKEPLERPLANET HOSTS: FEASIBILITY, EFFICIENCY, AND FIRST RESULTS. Astronomical Journal, 2015, 149, 143.	4.7	40

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55	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.	4.4	39
56	The ageâ€“chemical abundance structure of the Galactic disc â€“ II. Î±-dichotomy and thick disc formation. Monthly Notices of the Royal Astronomical Society, 2020, 497, 2371-2384.	4.4	39
57	The chemical composition of carbon stars. The R-type stars. Astronomy and Astrophysics, 2009, 508, 909-922.	5.1	38
58	EVIDENCE OF AGB POLLUTION IN GALACTIC GLOBULAR CLUSTERS FROM THE Mgâ€“Al ANTICORRELATIONS OBSERVED BY THE APOGEE SURVEY. Astrophysical Journal Letters, 2016, 831, L17.	8.3	38
59	Chemical abundance gradients from open clusters in the Milky Way disk: Results from the APOGEE survey. Astronomische Nachrichten, 2016, 337, 922-925.	1.2	37
60	Identifying Sagittarius Stream Stars by Their APOGEE Chemical Abundance Signatures. Astrophysical Journal, 2019, 872, 58.	4.5	37
61	CLEAR EVIDENCE FOR THE PRESENCE OF SECOND-GENERATION ASYMPTOTIC GIANT BRANCH STARS IN METAL-POOR GALACTIC GLOBULAR CLUSTERS. Astrophysical Journal Letters, 2015, 815, L4.	8.3	36
62	The ageâ€“chemical abundance structure of the Galaxy I: evidence for a late-accretion event in the outer disc at z âˆ¼ 0.6. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2561-2575.	4.4	30
63	Studying the evolution of AGB stars in theGaiaepoch. Monthly Notices of the Royal Astronomical Society, 2016, 462, 395-413.	4.4	28
64	CHEMICAL ABUNDANCES IN A SAMPLE OF RED GIANTS IN THE OPEN CLUSTER NGC 2420 FROM APOGEE. Astrophysical Journal, 2016, 830, 35.	4.5	27
65	Stellar Characterization of M Dwarfs from the APOGEE Survey: A Calibrator Sample for M-dwarf Metallicities. Astrophysical Journal, 2020, 890, 133.	4.5	26
66	APOGEE [C/N] Abundances across the Galaxy: Migration and Infall from Red Giant Ages. Astrophysical Journal, 2019, 871, 181.	4.5	25
67	The Metal-poor non-Sagittarius (?) Globular Cluster NGC 5053: Orbit and Mg, Al, and Si Abundances. Astrophysical Journal, 2018, 855, 38.	4.5	24
68	A view of the H-band light-element chemical patterns in globular clusters under the AGB self-enrichment scenario. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3098-3116.	4.4	24
69	Disk-like Chemistry of the Triangulum-Andromeda Overdensity as Seen by APOGEE. Astrophysical Journal Letters, 2018, 859, L8.	8.3	24
70	H-band discovery of additional second-generation stars in the Galactic bulge globular cluster NGC 6522 as observed by APOGEE and Gaia. Astronomy and Astrophysics, 2019, 627, A178.	5.1	24
71	Circumstellar effects on the Rb abundances in O-rich AGB stars. Astronomy and Astrophysics, 2014, 564, L4.	5.1	23
72	Evidence for a metal-poor population in the inner Galactic bulge. Astronomy and Astrophysics, 2015, 584, A45.	5.1	23

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73	Chemical and Kinematic Analysis of CN-strong Metal-poor Field Stars in LAMOST DR3. Astrophysical Journal, 2019, 871, 58.	4.5	23
74	Phosphorus-rich stars with unusual abundances are challenging theoretical predictions. Nature Communications, 2020, 11, 3759.	12.8	23
75	Stellar and Planetary Characterization of the Ross 128 Exoplanetary System from APOGEE Spectra. Astrophysical Journal Letters, 2018, 860, L15.	8.3	21
76	Discovery of Resolved Magnetically Split Lines in SDSS/APOGEE Spectra of 157 Ap/Bp Stars. Astrophysical Journal Letters, 2019, 873, L5.	8.3	19
77	Discovery of a nitrogen-enhanced mildly metal-poor binary system: Possible evidence for pollution from an extinct AGB star. Astronomy and Astrophysics, 2019, 631, A97.	5.1	18
78	Rubidium and zirconium abundances in massive Galactic asymptotic giant branch stars revisited. Astronomy and Astrophysics, 2017, 606, A20.	5.1	17
79	The metal-rich halo tail extended in |z|: a characterization with Gaia DR2 and APOGEE. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1462-1479.	4.4	16
80	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code â€“ III. Ï‰Cen. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1645-1660.	4.4	15
81	Massive Stars in the SDSS-IV/APOGEE SURVEY. I. OB Stars. Astrophysical Journal, 2018, 855, 68.	4.5	14
82	First EURONEAR NEA discoveries from La Palma using the INTâ˜…. Monthly Notices of the Royal Astronomical Society, 2015, 449, 1614-1624.	4.4	13
83	Merging in the common envelope and the origin of early R-type stars. Astronomy and Astrophysics, 2010, 522, A80.	5.1	12
84	Detailed Chemical Abundances for a Benchmark Sample of M Dwarfs from the APOGEE Survey. Astrophysical Journal, 2022, 927, 123.	4.5	12
85	280 one-opposition near-Earth asteroids recovered by the EURONEAR with the Isaac Newton Telescope. Astronomy and Astrophysics, 2018, 609, A105.	5.1	10
86	The Origin of the 300 km s^{â˜’1} Stream near Segue 1. Astrophysical Journal, 2018, 866, 42.	4.5	10
87	Heavy-element Abundances in P-rich Stars: A New Site for the s-process?. Astrophysical Journal Letters, 2020, 904, L1.	8.3	10
88	Forty-four New and Known M-dwarf Multiples in the SDSS-III/APOGEE M-dwarf Ancillary Science Sample. Astronomical Journal, 2018, 156, 45.	4.7	8
89	A Chemical and Kinematical Analysis of the Intermediate-age Open Cluster IC 166 from APOGEE and Gaia DR2. Astronomical Journal, 2018, 156, 94.	4.7	8
90	Signatures of the Galactic bar on stellar kinematics unveiled by APOGEE. Monthly Notices of the Royal Astronomical Society, 2018, 478, 1231-1243.	4.4	6

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91	A photometric study of globular clusters observed by the APOGEE survey. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1633-1645.	4.4	5
92	Massive Stars in the SDSS-IV/APOGEE-2 Survey. II. OB-stars in the W345 Complexes. Astrophysical Journal, 2019, 873, 66.	4.5	5
93	Probing 3D and NLTE models using APOGEE observations of globular cluster stars. Astronomy and Astrophysics, 2021, 647, A24.	5.1	5
94	Exploring circumstellar effects on the lithium and calcium abundances in massive Galactic O-rich AGB stars. Astronomy and Astrophysics, 2019, 623, A151.	5.1	3
95	The Chemical Composition and Evolutionary Status of R-Type Stars. Publications of the Astronomical Society of the Pacific, 2009, 121, 558-558.	3.1	1
96	Rb and Zr abundances in massive Galactic AGB stars revisited. Journal of Physics: Conference Series, 2016, 728, 072003.	0.4	0