

D Anã-bal Garcã-a-Hernã;ndez

List of Publications by Year in descending order

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279
papers

22,637
citations

18482

62
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9103

144
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282
all docs

282
docs citations

282
times ranked

13788
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 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. <i>Astrophysical Journal, Supplement Series</i> , 2012, 203, 21.	7.7	1,158
4	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
5	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , 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. <i>Astrophysical Journal, Supplement Series</i> , 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. <i>Astrophysical Journal, Supplement Series</i> , 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. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 42.	7.7	796
9	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. <i>Astronomical Journal</i> , 2016, 151, 144.	4.7	497
10	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
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. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25.	7.7	406
12	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	7.7	405
13	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. <i>Astronomical Journal</i> , 2015, 150, 148.	4.7	344
14	TARGET SELECTION FOR THE APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT (APOGEE). <i>Astronomical Journal</i> , 2013, 146, 81.	4.7	312
15	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
16	THE APOKASC CATALOG: AN ASTEROSEISMIC AND SPECTROSCOPIC JOINT SURVEY OF TARGETS IN THE KEPLER FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 215, 19.	7.7	268
17	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
18	APOGEE Data Releases 13 and 14: Data and Analysis. <i>Astronomical Journal</i> , 2018, 156, 125.	4.7	220

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19	The APOGEE-2 Survey of the Orion Star-forming Complex. II. Six-dimensional Structure. <i>Astronomical Journal</i> , 2018, 156, 84.	4.7	216
20	Target Selection for the SDSS-IV APOGEE-2 Survey. <i>Astronomical Journal</i> , 2017, 154, 198.	4.7	200
21	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
22	The Second APOKASC Catalog: The Empirical Approach. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 32.	7.7	183
23	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
24	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
25	FORMATION OF FULLERENES IN H-CONTAINING PLANETARY NEBULAE. <i>Astrophysical Journal Letters</i> , 2010, 724, L39-L43.	8.3	168
26	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
27	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
28	THE SDSS-III APOGEE SPECTRAL LINE LIST FOR $H\alpha$ -BAND SPECTROSCOPY. <i>Astrophysical Journal, Supplement Series</i> , 2015, 221, 24.	7.7	137
29	Young α -enriched giant stars in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 2230-2243.	4.4	133
30	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
31	Evolution of tidal disruption candidates discovered by <i>XMM-Newton</i> . <i>Astronomy and Astrophysics</i> , 2008, 489, 543-554.	5.1	132
32	Life in the fast lane: a direct view of the dynamics, formation, and evolution of the Milky Way's bar. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4740-4747.	4.4	129
33	THE FORMATION OF FULLERENES: CLUES FROM NEW C_{60} , C_{70} , AND (POSSIBLE) PLANAR C_{24} DETECTIONS IN MAGELLANIC CLOUD PLANETARY NEBULAE. <i>Astrophysical Journal Letters</i> , 2011, 737, L30.	8.3	123
34	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
35	The First APOKASC Catalog of Kepler Dwarf and Subgiant Stars. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 23.	7.7	121
36	Rubidium-Rich Asymptotic Giant Branch Stars. <i>Science</i> , 2006, 314, 1751-1754.	12.6	116

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37	NEW H-BAND STELLAR SPECTRAL LIBRARIES FOR THE SDSS-III/APOGEE SURVEY. <i>Astronomical Journal</i> , 2015, 149, 181.	4.7	114
38	APOGEE Data Releases 13 and 14: Stellar Parameter and Abundance Comparisons with Independent Analyses. <i>Astronomical Journal</i> , 2018, 156, 126.	4.7	113
39	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
40	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
41	ARE C ₆₀ MOLECULES DETECTABLE IN CIRCUMSTELLAR SHELLS OF R CORONAE BOREALIS STARS?. <i>Astrophysical Journal</i> , 2011, 729, 126.	4.5	100
42	INFRARED STUDY OF FULLERENE PLANETARY NEBULAE. <i>Astrophysical Journal</i> , 2012, 760, 107.	4.5	97
43	EPOXI: COMET 103P/HARTLEY 2 OBSERVATIONS FROM A WORLDWIDE CAMPAIGN. <i>Astrophysical Journal Letters</i> , 2011, 734, L1.	8.3	96
44	Lithium and zirconium abundances in massive Galactic O-rich AGB stars. <i>Astronomy and Astrophysics</i> , 2007, 462, 711-730.	5.1	93
45	The Open Cluster Chemical Abundances and Mapping Survey. IV. Abundances for 128 Open Clusters Using SDSS/APOGEE DR16. <i>Astronomical Journal</i> , 2020, 159, 199.	4.7	86
46	Chemical Cartography with APOGEE: Multi-element Abundance Ratios. <i>Astrophysical Journal</i> , 2019, 874, 102.	4.5	85
47	Galactic archaeology with asteroseismology and spectroscopy: Red giants observed by CoRoT and APOGEE. <i>Astronomy and Astrophysics</i> , 2017, 597, A30.	5.1	84
48	HEAVY ELEMENT NUCLEOSYNTHESIS IN THE BRIGHTEST GALACTIC ASYMPTOTIC GIANT BRANCH STARS. <i>Astrophysical Journal</i> , 2012, 751, 8.	4.5	82
49	Effects of land-use changes in vegetation cover and sidewall erosion in a gully head of the Peneda's region (northeast Spain). <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1927-1937.	2.5	80
50	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
51	Evidence for the Naphthalene Cation in a Region of the Interstellar Medium with Anomalous Microwave Emission. <i>Astrophysical Journal</i> , 2008, 685, L55-L58.	4.5	78
52	The Lazy Giants: APOGEE Abundances Reveal Low Star Formation Efficiencies in the Magellanic Clouds. <i>Astrophysical Journal</i> , 2020, 895, 88.	4.5	77
53	Spitzer Infrared Spectrograph Observations of Magellanic Cloud Planetary Nebulae: The Nature of Dust in Low-Metallicity Circumstellar Ejecta. <i>Astrophysical Journal</i> , 2007, 671, 1669-1684.	4.5	76
54	Rb-RICH ASYMPTOTIC GIANT BRANCH STARS IN THE MAGELLANIC CLOUDS. <i>Astrophysical Journal</i> , 2009, 705, L31-L35.	4.5	74

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55	Close Binary Companions to APOGEE DR16 Stars: 20,000 Binary-star Systems Across the Color-Magnitude Diagram. <i>Astrophysical Journal</i> , 2020, 895, 2.	4.5	74
56	The APOGEE Data Release 16 Spectral Line List. <i>Astronomical Journal</i> , 2021, 161, 254.	4.7	72
57	CHEMICAL TAGGING IN THE SDSS-III/APOGEE SURVEY: NEW IDENTIFICATIONS OF HALO STARS WITH GLOBULAR CLUSTER ORIGINS. <i>Astrophysical Journal</i> , 2016, 825, 146.	4.5	71
58	APOGEE chemical abundances of globular cluster giants in the inner Galaxy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 1010-1018.	4.4	71
59	Rubidium, zirconium, and lithium production in intermediate-mass asymptotic giant branch stars. <i>Astronomy and Astrophysics</i> , 2012, 540, A44.	5.1	70
60	Heavy-element yields and abundances of asymptotic giant branch models with a Small Magellanic Cloud metallicity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 421-437.	4.4	70
61	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
62	APOGEE Chemical Abundances of the Sagittarius Dwarf Galaxy. <i>Astrophysical Journal</i> , 2017, 845, 162.	4.5	68
63	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
64	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
65	APOGEE Chemical Abundance Patterns of the Massive Milky Way Satellites. <i>Astrophysical Journal</i> , 2021, 923, 172.	4.5	64
66	Homogeneous analysis of globular clusters from the APOGEE survey with the BACCHUS code. <i>Astronomy and Astrophysics</i> , 2019, 622, A191.	5.1	63
67	MAPPING THE INTERSTELLAR MEDIUM WITH NEAR-INFRARED DIFFUSE INTERSTELLAR BANDS. <i>Astrophysical Journal</i> , 2015, 798, 35.	4.5	62
68	The mixed chemistry phenomenon in Galactic Bulge PNe. <i>Astronomy and Astrophysics</i> , 2009, 495, L5-L8.	5.1	60
69	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
70	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
71	Asymptotic giant branch stars in the Large Magellanic Cloud: evolution of dust in circumstellar envelopes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 2992-3015.	4.4	55
72	Spatial variations in the Milky Way disc metallicity-age relation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1742-1752.	4.4	55

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73	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
74	The chemical compositions of accreted and <i>in situ</i> galactic globular clusters according to SDSS/APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3363-3378.	4.4	55
75	A search for interstellar anthracene towards the Perseus anomalous microwave emission region. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, 407, 2157-2165.	4.4	54
76	Outburst activity in comets - II. A multiband photometric monitoring of comet 29P/Schwassmann-Wachmann 1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 1682-1690.	4.4	54
77	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
78	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
79	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
80	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
81	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
82	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
83	IDENTIFICATION OF NEODYMIUM IN THE APOGEE H-BAND SPECTRA. <i>Astrophysical Journal</i> , 2016, 833, 81.	4.5	51
84	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
85	Metallicity and α -Element Abundance Gradients along the Sagittarius Stream as Seen by APOGEE. <i>Astrophysical Journal</i> , 2020, 889, 63.	4.5	51
86	The Milky Way bar and bulge revealed by APOGEE and <i>Gaia</i> EDR3. <i>Astronomy and Astrophysics</i> , 2021, 656, A156.	5.1	50
87	AGB stars in the SMC: evolution and dust properties based on <i>Spitzer</i> observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4235-4249.	4.4	45
88	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
89	How many components? Quantifying the complexity of the metallicity distribution in the Milky Way bulge with APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 1037-1057.	4.4	44
90	FastCam: a new lucky imaging instrument for medium-sized telescopes. <i>Proceedings of SPIE</i> , 2008, , .	0.8	42

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91	THE NATURE OF DUST IN COMPACT GALACTIC PLANETARY NEBULAE FROM <i>SPITZER</i> SPECTRA. <i>Astrophysical Journal</i> , 2012, 753, 172.	4.5	40
92	THE APOGEE SPECTROSCOPIC SURVEY OF <i>KEPLER</i> PLANET HOSTS: FEASIBILITY, EFFICIENCY, AND FIRST RESULTS. <i>Astronomical Journal</i> , 2015, 149, 143.	4.7	40
93	Double-lined Spectroscopic Binaries in the APOGEE DR16 and DR17 Data. <i>Astronomical Journal</i> , 2021, 162, 184.	4.7	40
94	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
95	The age-chemical abundance structure of the Galactic disc II. α -dichotomy and thick disc formation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 2371-2384.	4.4	39
96	Short-lived radioactivity in the early solar system: The Super-AGB star hypothesis. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1998-2012.	1.6	38
97	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
98	Asymptotic giant branch and super-asymptotic giant branch stars: modelling dust production at solar metallicity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4431-4440.	4.4	38
99	Infrared spectroscopy of hydrogenated fullerenes (fulleranes) at extreme temperatures. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 2868-2878.	4.4	37
100	The Large Magellanic Cloud as a laboratory for hot bottom burning in massive asymptotic giant branch stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 3181-3190.	4.4	37
101	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
102	Identifying Sagittarius Stream Stars by Their APOGEE Chemical Abundance Signatures. <i>Astrophysical Journal</i> , 2019, 872, 58.	4.5	37
103	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
104	The Similarity of Abundance Ratio Trends and Nucleosynthetic Patterns in the Milky Way Disk and Bulge. <i>Astrophysical Journal</i> , 2021, 909, 77.	4.5	36
105	The role of massive AGB stars in the early solar system composition. <i>Meteoritics and Planetary Science</i> , 2009, 44, 627-639.	1.6	35
106	A search for diffuse bands in the circumstellar envelopes of post-AGB stars. <i>Astronomy and Astrophysics</i> , 2008, 480, 133-148.	5.1	35
107	OXYGEN ISOTOPIC RATIOS IN COOL R CORONAE BOREALIS STARS. <i>Astrophysical Journal</i> , 2010, 714, 144-154.	4.5	34
108	Far- and mid-infrared spectroscopy of complex organic matter of astrochemical interest: coal, heavy petroleum fractions and asphaltenes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 3025-3039.	4.4	34

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109	Infrared spectroscopy of fullerene C ₆₀ /anthracene adducts. Monthly Notices of the Royal Astronomical Society, 2013, 434, 415-422.	4.4	34
110	Sonochemical Synthesis of Fullerene C ₆₀ /Anthracene Diels-Alder Mono and Bis-adducts. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 565-574.	2.1	33
111	Gas and dust from solar metallicity AGB stars. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	33
112	Comprehensive comparison between APOGEE and LAMOST. Astronomy and Astrophysics, 2018, 620, A76.	5.1	33
113	Kepler-730: A Hot Jupiter System with a Close-in, Transiting, Earth-sized Planet. Astrophysical Journal Letters, 2019, 870, L17.	8.3	33
114	CNO ABUNDANCES OF HYDROGEN-DEFICIENT CARBON AND R CORONAE BOREALIS STARS: A VIEW OF THE NUCLEOSYNTHESIS IN A WHITE DWARF MERGER. Astrophysical Journal, 2009, 696, 1733-1754.	4.5	32
115	A DETAILED LOOK AT CHEMICAL ABUNDANCES IN MAGELLANIC CLOUD PLANETARY NEBULAE. I. THE SMALL MAGELLANIC CLOUD. Astrophysical Journal, 2010, 717, 562-576.	4.5	32
116	Near-IR spectroscopy of planetary nebulae precursors. Astronomy and Astrophysics, 2002, 387, 955-968.	5.1	32
117	DUST AROUND R CORONAE BOREALIS STARS. I. SPITZER INFRARED SPECTROGRAPH OBSERVATIONS. Astrophysical Journal, 2011, 739, 37.	4.5	31
118	Dissecting the Spitzer colour-magnitude diagrams of extreme Large Magellanic Cloud asymptotic giant branch stars. Monthly Notices of the Royal Astronomical Society: Letters, 2014, 442, L38-L42.	3.3	30
119	The age-chemical abundance structure of the Galaxy I: evidence for a late-accretion event in the outer disc at $z \sim 0.6$. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2561-2575.	4.4	30
120	Exploring the Galactic Warp through Asymmetries in the Kinematics of the Galactic Disk. Astrophysical Journal, 2020, 905, 49.	4.5	30
121	Diffuse interstellar bands in fullerene planetary nebulae: the fullerenes diffuse interstellar bands connection. Astronomy and Astrophysics, 2013, 550, L6.	5.1	29
122	Chemical abundances in Galactic planetary nebulae with Spitzer spectra. Astronomy and Astrophysics, 2014, 567, A12.	5.1	29
123	INFRARED HIGH-RESOLUTION INTEGRATED LIGHT SPECTRAL ANALYSES OF M31 GLOBULAR CLUSTERS FROM APOGEE. Astrophysical Journal, 2016, 829, 116.	4.5	29
124	HIGH-RESOLUTION IMAGING OF NGC 2346 WITH GSAOI/GeMS: DISENTANGLING THE PLANETARY NEBULA MOLECULAR STRUCTURE TO UNDERSTAND ITS ORIGIN AND EVOLUTION. Astrophysical Journal, 2015, 808, 115.	4.5	28
125	Studying the evolution of AGB stars in the Gaia epoch. Monthly Notices of the Royal Astronomical Society, 2016, 462, 395-413.	4.4	28
126	Exploring the Stellar Age Distribution of the Milky Way Bulge Using APOGEE. Astrophysical Journal, 2020, 901, 109.	4.5	28

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127	Far infrared (terahertz) spectroscopy of a series of polycyclic aromatic hydrocarbons and application to structure interpretation of asphaltenes and related compounds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 111, 68-79.	3.9	27
128	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
129	Tracking Advanced Planetary Systems (TAPAS) with HARPS-N. <i>Astronomy and Astrophysics</i> , 2015, 573, A36.	5.1	27
130	On the nature of the most obscured C-rich AGB stars in the Magellanic Clouds. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 1456-1467.	4.4	26
131	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
132	On the alumina dust production in the winds of O-rich asymptotic giant branch stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 1115-1125.	4.4	25
133	A test for asymptotic giant branch evolution theories: planetary nebulae in the Large Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 3679-3688.	4.4	25
134	APOGEE [C/N] Abundances across the Galaxy: Migration and Infall from Red Giant Ages. <i>Astrophysical Journal</i> , 2019, 871, 181.	4.5	25
135	The contribution of N-rich stars to the Galactic stellar halo using APOGEE red giants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 5462-5478.	4.4	25
136	Strong chemical tagging with APOGEE: 21 candidate star clusters that have dissolved across the Milky Way disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 5101-5115.	4.4	25
137	A search for diffuse bands in fullerene planetary nebulae: evidence of diffuse circumstellar bands. <i>Astronomy and Astrophysics</i> , 2015, 573, A97.	5.1	24
138	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
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