Jennifer A Johnson

List of Publications by Year
in descending order

89 papers	24,870 citations	31976 53 h-index	49909 87 g-index
89 all docs	89 docs citations	89 times ranked	11497 citing authors

#	Article	IF	Citations
1	The K2 Galactic Archaeology Program Data Release 3: Age-abundance Patterns in C1â€“C8 and C10â€“C18. Astrophysical Journal, 2022, 926, 191.	4.5	19
2	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. Astrophysical Journal, Supplement Series, 2022, 259, 35.	7.7	405
3	SEGUE-2: Old Milky Way Stars Near and Far. Astrophysical Journal, Supplement Series, 2022, 259, 60.	7.7	22
4	Zeta-Payne: A Fully Automated Spectrum Analysis Algorithm for the Milky Way Mapper Program of the SDSS-V Survey. Astronomical Journal, 2022, 163, 236.	4.7	6
5	Residual Abundances in GALAH DR3: Implications for Nucleosynthesis and Identification of Unique Stellar Populations. Astrophysical Journal, 2022, 931, 23.	4.5	8
6	Chemical Cartography with APOGEE: Mapping Disk Populations with a 2-process Model and Residual Abundances. Astrophysical Journal, Supplement Series, 2022, 260, 32.	7.7	15
7	Nucleosynthesis signatures of neutrino-driven winds from proto-neutron stars: a perspective from chemical evolution models. Monthly Notices of the Royal Astronomical Society, 2021, 508, 3499-3507.	4.4	6
8	An Intermediate-age Alpha-rich Galactic Population in K2. Astronomical Journal, 2021, 161, 100.	4.7	8
9	The Similarity of Abundance Ratio Trends and Nucleosynthetic Patterns in the Milky Way Disk and Bulge. Astrophysical Journal, 2021, 909, 77.	4.5	36
10	Analytic Estimates of the Achievable Precision on the Physical Properties of Transiting Planets Using Purely Empirical Measurements. Astrophysical Journal, 2021, 911, 84.	4.5	3
11	Searching For Transiting Planets Around Halo Stars. I. Sample Selection and Validation. Astronomical Journal, 2021, 162, 125.	4.7	6
12	The Impact of Black Hole Formation on Population-averaged Supernova Yields. Astrophysical Journal, 2021, 921, 73.	4.5	12
13	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
14	Final Targeting Strategy for the SDSS-IV APOGEE-2S Survey. Astronomical Journal, 2021, 162, 303.	4.7	46
15	The origin of the elements: a century of progress. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190301.	3.4	5
16	Response to Comment on â€œA noninteracting low-mass black holeâ€“giant star binary systemâ€• Science, 2020, 368, .	12.6	13
17	Stellar Characterization of M Dwarfs from the APOGEE Survey: A Calibrator Sample for M-dwarf Metallicities. Astrophysical Journal, 2020, 890, 133.	4.5	26
18	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

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19	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
20	Exploring the Stellar Age Distribution of the Milky Way Bulge Using APOGEE. Astrophysical Journal, 2020, 901, 109.	4.5	28
21	The K2 Galactic Archaeology Program Data Release 2: Asteroseismic Results from Campaigns 4, 6, and 7. Astrophysical Journal, Supplement Series, 2020, 251, 23.	7.7	22
22	Origin of Î±-rich young stars: clues from C, N, and O. Monthly Notices of the Royal Astronomical Society, 2019, 487, 4343-4354.	4.4	27
23	Insights from the APOKASC determination of the evolutionary state of red-giant stars by consolidation of different methods. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4641-4657.	4.4	17
24	A noninteracting low-mass black holeâ€“giant star binary system. Science, 2019, 366, 637-640.	12.6	182
25	Populating the periodic table: Nucleosynthesis of the elements. Science, 2019, 363, 474-478.	12.6	50
26	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
27	Constraining Metallicity-dependent Mixing and Extra Mixing Using [C/N] in Alpha-rich Field Giants. Astrophysical Journal, 2019, 872, 137.	4.5	44
28	APOGEE [C/N] Abundances across the Galaxy: Migration and Infall from Red Giant Ages. Astrophysical Journal, 2019, 871, 181.	4.5	25
29	Chemical Cartography with APOGEE: Multi-element Abundance Ratios. Astrophysical Journal, 2019, 874, 102.	4.5	85
30	The origin of accreted stellar halo populations in the Milky Way using APOGEE,Gaia, and the EAGLE simulations. Monthly Notices of the Royal Astronomical Society, 2019, 482, 3426-3442.	4.4	199
31	Abundance Ratios in GALAH DR2 and Their Implications for Nucleosynthesis. Astrophysical Journal, 2019, 886, 84.	4.5	29
32	Stellar Multiplicity Meets Stellar Evolution and Metallicity: The APOGEE View. Astrophysical Journal, 2018, 854, 147.	4.5	100
33	The Second APOKASC Catalog: The Empirical Approach. Astrophysical Journal, Supplement Series, 2018, 239, 32.	7.7	183
34	APOGEE Data Releases 13 and 14: Data and Analysis. Astronomical Journal, 2018, 156, 125.	4.7	220
35	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
36	Inflow, Outflow, Yields, and Stellar Population Mixing in Chemical Evolution Models. Astrophysical Journal, 2017, 835, 224.	4.5	107

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37	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
38	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
39	APOGEE chemical abundances of globular cluster giants in the inner Galaxy. Monthly Notices of the Royal Astronomical Society, 2017, 466, 1010-1018.	4.4	71
40	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
41	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
42	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
43	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). Astronomical Journal, 2017, 154, 94.	4.7	1,065
44	The First APOKASC Catalog of Kepler Dwarf and Subgiant Stars. Astrophysical Journal, Supplement Series, 2017, 233, 23.	7.7	121
45	GLOBULAR AND OPEN CLUSTERS OBSERVED BY SDSS/SEGUE: THE GIANT STARS. Astronomical Journal, 2016, 151, 7.	4.7	4
46	Examining the relationships between colour,T_{eff}, and [M/H] for APOGEE K and M dwarfs. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2611-2624.	4.4	27
47	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. Astronomical Journal, 2016, 151, 144.	4.7	497
48	THE SEGUE K GIANT SURVEY. III. QUANTIFYING GALACTIC HALO SUBSTRUCTURE. Astrophysical Journal, 2016, 816, 80.	4.5	30
49	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. Astronomical Journal, 2015, 150, 148.	4.7	344
50	OSCILLATING RED GIANTS OBSERVED DURING CAMPAIGN 1 OF THE KEPLER K2 MISSION: NEW PROSPECTS FOR GALACTIC ARCHAEOLOGY. Astrophysical Journal Letters, 2015, 809, L3.	8.3	84
51	Young Î±-enriched giant stars in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2230-2243.	4.4	133
52	SODIUM AND OXYGEN ABUNDANCES IN THE OPEN CLUSTER NGC 6791 FROM APOGEE H-BAND SPECTROSCOPY. Astrophysical Journal Letters, 2015, 798, L41.	8.3	62
53	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. Astrophysical Journal, 2015, 808, 132.	4.5	468
54	THORIUM ABUNDANCES IN SOLAR TWINS AND ANALOGS: IMPLICATIONS FOR THE HABITABILITY OF EXTRASOLAR PLANETARY SYSTEMS. Astrophysical Journal, 2015, 806, 139.	4.5	56

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55	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
56	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
57	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
58	Bayesian distances and extinctions for giants observed by Kepler and APOGEE. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2758-2776.	4.4	148
59	THE SEGUE K GIANT SURVEY. II. A CATALOG OF DISTANCE DETERMINATIONS FOR THE SEGUE K GIANTS IN THE GALACTIC HALO. Astrophysical Journal, 2014, 784, 170.	4.5	77
60	TESTING THE ASTEROSEISMIC MASS SCALE USING METAL-POOR STARS CHARACTERIZED WITH APOGEE ANDKEPLER. Astrophysical Journal Letters, 2014, 785, L28.	8.3	84
61	NEW RED JEWELS IN COMA BERENICES. Astrophysical Journal, 2014, 782, 61.	4.5	17
62	CHEMICAL CARTOGRAPHY WITH APOGEE: LARGE-SCALE MEAN METALLICITY MAPS OF THE MILKY WAY DISK. Astronomical Journal, 2014, 147, 116.	4.7	134
63	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
64	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
65	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
66	CHEMICAL ABUNDANCES IN FIELD RED GIANTS FROM HIGH-RESOLUTIONH-BAND SPECTRA USING THE APOGEE SPECTRAL LINELIST. Astrophysical Journal, 2013, 765, 16.	4.5	107
67	TARGET SELECTION FOR THE APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT (APOGEE). Astronomical Journal, 2013, 146, 81.	4.7	312
68	DISCOVERY OF A DYNAMICAL COLD POINT IN THE HEART OF THE SAGITTARIUS dSph GALAXY WITH OBSERVATIONS FROM THE APOGEE PROJECT. Astrophysical Journal Letters, 2013, 777, L13.	8.3	32
69	THE OPEN CLUSTER CHEMICAL ANALYSIS AND MAPPING SURVEY: LOCAL GALACTIC METALLICITY GRADIENT WITH APOGEE USING SDSS DR10. Astrophysical Journal Letters, 2013, 777, L1.	8.3	92
70	THE STELLAR METALLICITY DISTRIBUTION FUNCTION OF THE GALACTIC HALO FROM SDSS PHOTOMETRY. Astrophysical Journal, 2013, 763, 65.	4.5	113
71	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
72	THE METALLICITY DISTRIBUTION FUNCTIONS OF SEGUE G AND K DWARFS: CONSTRAINTS FOR DISK CHEMICAL EVOLUTION AND FORMATION. Astrophysical Journal, 2012, 761, 160.	4.5	66

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73	THE APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT: FIRST DETECTION OF HIGH-VELOCITY MILKY WAY BAR STARS. Astrophysical Journal Letters, 2012, 755, L25.	8.3	56
74	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. Astronomical Journal, 2011, 142, 72.	4.7	1,700
75	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2011, 193, 29.	7.7	1,166
76	SEGUE-2 LIMITS ON METAL-RICH OLD-POPULATION HYPERVELOCITY STARS IN THE GALACTIC HALO. Astrophysical Journal, 2010, 723, 812-817.	4.5	32
77	The Apache Point Observatory Galactic Evolution Experiment (APOGEE) high-resolution near-infrared multi-object fiber spectrograph. Proceedings of SPIE, 2010, , .	0.8	101
78	SEGUE: A SPECTROSCOPIC SURVEY OF 240,000 STARS WITHg= 14-20. Astronomical Journal, 2009, 137, 4377-4399.	4.7	905
79	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2009, 182, 543-558.	7.7	4,201
80	A UNIQUE STAR IN THE OUTER HALO OF THE MILKY WAY. Astrophysical Journal, 2009, 697, L63-L67.	4.5	38
81	Carbon-Enhanced, Metal-Poor Stars and Modeling of the Asymptotic Giant Branch. Publications of the Astronomical Society of Australia, 2009, 26, 303-310.	3.4	6
82	Metallicity Mapping with gri Photometry: The Virgo Overdensity and the Halos of the Galaxy. Proceedings of the International Astronomical Union, 2009, 5, 127-130.	0.0	0
83	The Sixth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2008, 175, 297-313.	7.7	1,202
84	Abundance Ratios in Carbonâ€Enhanced Metalâ€Poor Stars and the Intermediateâ€Mass Star Initial Mass Function. , 2008, , .		0
85	Galactic Globular and Open Clusters in the Sloan Digital Sky Survey. I. Crowdedâ€Field Photometry and Cluster Fiducial Sequences inugriz. Astrophysical Journal, Supplement Series, 2008, 179, 326-354.	7.7	132
86	THE SEGUE STELLAR PARAMETER PIPELINE. II. VALIDATION WITH GALACTIC GLOBULAR AND OPEN CLUSTERS. Astronomical Journal, 2008, 136, 2050-2069.	4.7	259
87	THE SEGUE STELLAR PARAMETER PIPELINE. III. COMPARISON WITH HIGH-RESOLUTION SPECTROSCOPY OF SDSS/SEGUE FIELD STARS. Astronomical Journal, 2008, 136, 2070-2082.	4.7	208
88	Detailed Abundances for 28 Metalâ€poor Stars: Stellar Relics in the Milky Way. Astrophysical Journal, 2008, 681, 1524-1556.	4.5	269
89	Th Ages for Metalâ€poor Stars. Astrophysical Journal, 2001, 554, 888-902.	4.5	89