

Peter M Frinchaboy

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2749557/publications.pdf>

Version: 2024-02-01

99
papers

20,629
citations

28274

55
h-index

34986

98
g-index

100
all docs

100
docs citations

100
times ranked

10817
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , 2011, 142, 72.	4.7	1,700
3	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2011, 193, 29.	7.7	1,166
4	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
5	OVERVIEW OF THE SDSS-IV MaNGA SURVEY: MAPPING NEARBY GALAXIES AT APACHE POINT OBSERVATORY. <i>Astrophysical Journal</i> , 2015, 798, 7.	4.5	1,119
6	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
7	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , 2017, 154, 94.	4.7	1,065
8	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
9	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
10	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
11	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. <i>Astronomical Journal</i> , 2016, 151, 44.	4.7	582
12	Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Cosmological implications from two decades of spectroscopic surveys at the Apache Point Observatory. <i>Physical Review D</i> , 2021, 103, .	4.7	527
13	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. <i>Astronomical Journal</i> , 2016, 151, 144.	4.7	497
14	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
15	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
16	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
17	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. <i>Astronomical Journal</i> , 2015, 150, 148.	4.7	344
18	THE MILKY WAY'S CIRCULAR-VELOCITY CURVE BETWEEN 4 AND 14 kpc FROM APOGEE DATA. <i>Astrophysical Journal</i> , 2012, 759, 131.	4.5	325

#	ARTICLE	IF	CITATIONS
19	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
20	THE APOKASC CATALOG: AN ASTEROSEISMIC AND SPECTROSCOPIC JOINT SURVEY OF TARGETS IN THE <i>KEPLER</i> FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 215, 19.	7.7	268
21	THE BULGE RADIAL VELOCITY ASSAY (BRAVA). II. COMPLETE SAMPLE AND DATA RELEASE. <i>Astronomical Journal</i> , 2012, 143, 57.	4.7	195
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	Exploring Halo Substructure with Giant Stars. XI. The Tidal Tails of the Carina Dwarf Spheroidal Galaxy and the Discovery of Magellanic Cloud Stars in the Carina Foreground. <i>Astrophysical Journal</i> , 2006, 649, 201-223.	4.5	157
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	A Two Micron All Sky Survey View of the Sagittarius Dwarf Galaxy. II. Swope Telescope Spectroscopy of M Giant Stars in the Dynamically Cold Sagittarius Tidal Stream. <i>Astronomical Journal</i> , 2004, 128, 245-259.	4.7	136
28	CHEMICAL CARTOGRAPHY WITH APOGEE: LARGE-SCALE MEAN METALLICITY MAPS OF THE MILKY WAY DISK. <i>Astronomical Journal</i> , 2014, 147, 116.	4.7	134
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	Exploring Halo Substructure with Giant Stars: Spectroscopy of Stars in the Galactic Anticenter Stellar Structure. <i>Astrophysical Journal</i> , 2003, 594, L119-L122.	4.5	128
32	The age-metallicity structure of the Milky Way disc using APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 3057-3078.	4.4	123
33	Exploring Halo Substructure with Giant Stars: The Velocity Dispersion Profiles of the Ursa Minor and Draco Dwarf Spheroidal Galaxies at Large Angular Separations. <i>Astrophysical Journal</i> , 2005, 631, L137-L141.	4.5	113
34	Exploring Halo Substructure with Giant Stars: The Dynamics and Metallicity of the Dwarf Spheroidal in Boötes. <i>Astrophysical Journal</i> , 2006, 650, L51-L54.	4.5	112
35	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
36	The Apache Point Observatory Galactic Evolution Experiment (APOGEE) high-resolution near-infrared multi-object fiber spectrograph. <i>Proceedings of SPIE</i> , 2010, , .	0.8	101

#	ARTICLE	IF	CITATIONS
37	THE OPEN CLUSTER CHEMICAL ANALYSIS AND MAPPING SURVEY: LOCAL GALACTIC METALLICITY GRADIENT WITH APOGEE USING SDSS DR10. <i>Astrophysical Journal Letters</i> , 2013, 777, L1.	8.3	92
38	IN-SYNC. II. VIRIAL STARS FROM SUBVIRIAL CORES—THE VELOCITY DISPERSION OF EMBEDDED PRE-MAIN-SEQUENCE STARS IN NGC 1333. <i>Astrophysical Journal</i> , 2015, 799, 136.	4.5	88
39	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
40	TESTING THE ASTEROSEISMIC MASS SCALE USING METAL-POOR STARS CHARACTERIZED WITH APOGEE AND KEPLER. <i>Astrophysical Journal Letters</i> , 2014, 785, L28.	8.3	84
41	Star Clusters in the Galactic Anticenter Stellar Structure and the Origin of Outer Old Open Clusters. <i>Astrophysical Journal</i> , 2004, 602, L21-L24.	4.5	80
42	IN-SYNC I: HOMOGENEOUS STELLAR PARAMETERS FROM HIGH-RESOLUTION APOGEE SPECTRA FOR THOUSANDS OF PRE-MAIN SEQUENCE STARS. <i>Astrophysical Journal</i> , 2014, 794, 125.	4.5	77
43	Spectro-photometric distances to stars: A general purpose Bayesian approach. <i>Astronomy and Astrophysics</i> , 2016, 585, A42.	5.1	74
44	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
45	OPEN CLUSTERS AS GALACTIC DISK TRACERS. I. PROJECT MOTIVATION, CLUSTER MEMBERSHIP, AND BULK THREE-DIMENSIONAL KINEMATICS. <i>Astronomical Journal</i> , 2008, 136, 118-145.	4.7	73
46	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
47	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
48	APOGEE Chemical Abundances of the Sagittarius Dwarf Galaxy. <i>Astrophysical Journal</i> , 2017, 845, 162.	4.5	68
49	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
50	Exploring Halo Substructure with Giant Stars. VIII. The Extended Structure of the Sculptor Dwarf Spheroidal Galaxy. <i>Astronomical Journal</i> , 2006, 131, 375-406.	4.7	65
51	Galactic Doppelg�angers: The Chemical Similarity Among Field Stars and Among Stars with a Common Birth Origin. <i>Astrophysical Journal</i> , 2018, 853, 198.	4.5	65
52	APOGEE Chemical Abundance Patterns of the Massive Milky Way Satellites. <i>Astrophysical Journal</i> , 2021, 923, 172.	4.5	64
53	SODIUM AND OXYGEN ABUNDANCES IN THE OPEN CLUSTER NGC 6791 FROM APOGEE H-BAND SPECTROSCOPY. <i>Astrophysical Journal Letters</i> , 2015, 798, L41.	8.3	62
54	THE INNER STRUCTURE AND KINEMATICS OF THE SAGITTARIUS DWARF GALAXY AS A PRODUCT OF TIDAL STIRRING. <i>Astrophysical Journal</i> , 2010, 725, 1516-1527.	4.5	59

#	ARTICLE	IF	CITATIONS
55	THE APACHE POINT OBSERVATORY GALACTIC EVOLUTION EXPERIMENT: FIRST DETECTION OF HIGH-VELOCITY MILKY WAY BAR STARS. <i>Astrophysical Journal Letters</i> , 2012, 755, L25.	8.3	56
56	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
57	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
58	Exploring Halo Substructure with Giant Stars. VI. Extended Distributions of Giant Stars around the Carina Dwarf Spheroidal Galaxy: How Reliable Are They?. <i>Astronomical Journal</i> , 2005, 130, 2677-2700.	4.7	52
59	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
60	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
61	Metallicity and \pm -Element Abundance Gradients along the Sagittarius Stream as Seen by APOGEE. <i>Astrophysical Journal</i> , 2020, 889, 63.	4.5	51
62	VERY METAL-POOR STARS IN THE OUTER GALACTIC BULGE FOUND BY THE APOGEE SURVEY. <i>Astrophysical Journal Letters</i> , 2013, 767, L9.	8.3	49
63	IN-SYNC. III. THE DYNAMICAL STATE OF IC 348—A SUPER-VIRIAL VELOCITY DISPERSION AND A PUZZLING SIGN OF CONVERGENCE. <i>Astrophysical Journal</i> , 2015, 807, 27.	4.5	48
64	HIGH-RESOLUTION H-BAND SPECTROSCOPY OF Be STARS WITH SDSS-III/APOGEE. I. NEW Be STARS, LINE IDENTIFICATIONS, AND LINE PROFILES. <i>Astronomical Journal</i> , 2015, 149, 7.	4.7	46
65	Final Targeting Strategy for the SDSS-IV APOGEE-2S Survey. <i>Astronomical Journal</i> , 2021, 162, 303.	4.7	46
66	The Relationship between Globular Cluster Mass, Metallicity, and Light-element Abundance Variations. <i>Astronomical Journal</i> , 2019, 158, 14.	4.7	45
67	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
68	THE APOGEE SPECTROSCOPIC SURVEY OF KEPLER PLANET HOSTS: FEASIBILITY, EFFICIENCY, AND FIRST RESULTS. <i>Astronomical Journal</i> , 2015, 149, 143.	4.7	40
69	Double-lined Spectroscopic Binaries in the APOGEE DR16 and DR17 Data. <i>Astronomical Journal</i> , 2021, 162, 184.	4.7	40
70	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
71	A 2MASS ALL-SKY VIEW OF THE SAGITTARIUS DWARF GALAXY. VII. KINEMATICS OF THE MAIN BODY OF THE SAGITTARIUS dSph. <i>Astrophysical Journal</i> , 2012, 756, 74.	4.5	37
72	The close binary fraction as a function of stellar parameters in APOGEE: a strong anticorrelation with \pm abundances. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 1607-1626.	4.4	34

#	ARTICLE	IF	CITATIONS
73	DISCOVERY OF A DYNAMICAL COLD POINT IN THE HEART OF THE SAGITTARIUS dSph GALAXY WITH OBSERVATIONS FROM THE APOGEE PROJECT. <i>Astrophysical Journal Letters</i> , 2013, 777, L13.	8.3	32
74	Exploring the Galactic Warp through Asymmetries in the Kinematics of the Galactic Disk. <i>Astrophysical Journal</i> , 2020, 905, 49.	4.5	30
75	Photometry and Spectroscopy of Old, Outer Disk Star Clusters: vdB-Hagen 176, Berkeley 29, and Saurer 1. <i>Astronomical Journal</i> , 2006, 131, 922-938.	4.7	27
76	THE PUZZLING Li-RICH RED GIANT ASSOCIATED WITH NGC 6819. <i>Astrophysical Journal</i> , 2015, 802, 7.	4.5	27
77	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
78	DISCOVERY OF TWO RARE RIGIDLY ROTATING MAGNETOSPHERE STARS IN THE APOGEE SURVEY. <i>Astrophysical Journal Letters</i> , 2014, 784, L30.	8.3	25
79	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
80	Disk-like Chemistry of the Triangulum-Andromeda Overdensity as Seen by APOGEE. <i>Astrophysical Journal Letters</i> , 2018, 859, L8.	8.3	24
81	The APOGEE-2 Survey of the Orion Star-forming Complex. I. Target Selection and Validation with Early Observations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 27.	7.7	23
82	Timing the Evolution of the Galactic Disk with NGC 6791: An Open Cluster with Peculiar High- α Chemistry as Seen by APOGEE. <i>Astrophysical Journal</i> , 2017, 842, 49.	4.5	22
83	AN UNEXPECTED DISCOVERY IN THE RICH OPEN CLUSTER NGC 6819 USING <i>XMM-NEWTON</i> . <i>Astrophysical Journal</i> , 2012, 745, 57.	4.5	20
84	PHR 1315 [~] 6555: a bipolar planetary nebula in the compact Hyades-age open cluster ESO 96-SC04. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 1835-1844.	4.4	17
85	NEW RED JEWELS IN COMA BERENICES. <i>Astrophysical Journal</i> , 2014, 782, 61.	4.5	17
86	Quantifying radial migration in the Milky Way: inefficient over short time-scales but essential to the very outer disc beyond ~ 15 kpc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 5639-5655.	4.4	16
87	Open Cluster Chemical Homogeneity throughout the Milky Way. <i>Astrophysical Journal</i> , 2020, 903, 55.	4.5	15
88	Chemical Cartography with APOGEE: Mapping Disk Populations with a 2-process Model and Residual Abundances. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 32.	7.7	15
89	A Search for Candidate Old Open Clusters: Preliminary Photometry of the Saurer et al. Clusters. <i>Astronomical Journal</i> , 2002, 123, 2552-2558.	4.7	14
90	The Binary INformation from Open Clusters Using SEDs (BINOCS) Project: Reliable Photometric Mass Determinations of Binary Star Systems in Clusters. <i>Astronomical Journal</i> , 2021, 161, 160.	4.7	8

#	ARTICLE	IF	CITATIONS
91	The Open Cluster Chemical Abundances and Mapping Survey. VII. APOGEE DR17 [C/N] Age Calibration. <i>Astronomical Journal</i> , 2022, 163, 229.	4.7	8
92	The peculiar globular cluster Palomar 1 and persistence in the SDSS-APOGEE data base. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 4782-4793.	4.4	7
93	Binary Information from Open Clusters Using SEDS (BINOCS) Project: The Dynamical Evolution of the Binary Populations in Cluster Environments. <i>Proceedings of the International Astronomical Union</i> , 2015, 12, 255-256.	0.0	1
94	The Sagittarius Dwarf Galaxy as a Product of Tidal Stirring. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012, , 113-117.	0.3	1
95	SDSS-III/APOGEE: Detailed Abundances of Galactic Star Clusters. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012, , 31-38.	0.3	1
96	Environmental Influences on Star Formation in Low-mass Galaxies Observed by the SDSS-IV/MaNGA Survey. <i>Astrophysical Journal</i> , 2020, 894, 57.	4.5	1
97	The Open Cluster Chemical Abundances and Mapping Survey. V. Chemical Abundances of CTIO/Hydra Clusters Using The Cannon. <i>Astronomical Journal</i> , 2022, 163, 195.	4.7	1
98	CHEMICAL ABUNDANCE ANALYSIS OF MOVING GROUP W11450 (LATHAM 1). <i>Astronomical Journal</i> , 2016, 152, 176.	4.7	0
99	Testing the BH 176 and Berkeley 29 Association with GASS/Monoceros. <i>Globular Clusters - Guides To Galaxies</i> , 2009, , 31-32.	0.1	0