

Peter M Frinchaboy

List of Publications by Year in descending order

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99
papers

20,629
citations

28274

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docs citations

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times ranked

10817
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantifying radial migration in the Milky Way: inefficient over short time-scales but essential to the very outer disc beyond ~ 15 kpc. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5639-5655.	4.4	16
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	The Open Cluster Chemical Abundances and Mapping Survey. V. Chemical Abundances of CTIO/Hydra Clusters Using The Cannon. Astronomical Journal, 2022, 163, 195.	4.7	1
4	The Open Cluster Chemical Abundances and Mapping Survey. VII. APOGEE DR17 [C/N] Age Calibration. Astronomical Journal, 2022, 163, 229.	4.7	8
5	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
6	The Binary Information from Open Clusters Using SEDs (BINOCS) Project: Reliable Photometric Mass Determinations of Binary Star Systems in Clusters. Astronomical Journal, 2021, 161, 160.	4.7	8
7	Completed SDSS-IV extended Baryon Oscillation Spectroscopic Survey: Cosmological implications from two decades of spectroscopic surveys at the Apache Point Observatory. Physical Review D, 2021, 103, .	4.7	527
8	Double-lined Spectroscopic Binaries in the APOGEE DR16 and DR17 Data. Astronomical Journal, 2021, 162, 184.	4.7	40
9	APOGEE Chemical Abundance Patterns of the Massive Milky Way Satellites. Astrophysical Journal, 2021, 923, 172.	4.5	64
10	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
11	Final Targeting Strategy for the SDSS-IV APOGEE-2S Survey. Astronomical Journal, 2021, 162, 303.	4.7	46
12	Metallicity and α -Element Abundance Gradients along the Sagittarius Stream as Seen by APOGEE. Astrophysical Journal, 2020, 889, 63.	4.5	51
13	Strong chemical tagging with APOGEE: 21 candidate star clusters that have dissolved across the Milky Way disc. Monthly Notices of the Royal Astronomical Society, 2020, 496, 5101-5115.	4.4	25
14	The close binary fraction as a function of stellar parameters in APOGEE: a strong anticorrelation with α abundances. Monthly Notices of the Royal Astronomical Society, 2020, 499, 1607-1626.	4.4	34
15	Close Binary Companions to APOGEE DR16 Stars: 20,000 Binary-star Systems Across the Color-Magnitude Diagram. Astrophysical Journal, 2020, 895, 2.	4.5	74
16	The Open Cluster Chemical Abundances and Mapping Survey. IV. Abundances for 128 Open Clusters Using SDSS/APOGEE DR16. Astronomical Journal, 2020, 159, 199.	4.7	86
17	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
18	The chemical compositions of accreted and <i>in situ</i> galactic globular clusters according to SDSS/APOGEE. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3363-3378.	4.4	55

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19	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
20	Open Cluster Chemical Homogeneity throughout the Milky Way. <i>Astrophysical Journal</i> , 2020, 903, 55.	4.5	15
21	Exploring the Galactic Warp through Asymmetries in the Kinematics of the Galactic Disk. <i>Astrophysical Journal</i> , 2020, 905, 49.	4.5	30
22	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
23	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
24	The Relationship between Globular Cluster Mass, Metallicity, and Light-element Abundance Variations. <i>Astronomical Journal</i> , 2019, 158, 14.	4.7	45
25	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
26	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
27	Galactic Doppelg�ngers: The Chemical Similarity Among Field Stars and Among Stars with a Common Birth Origin. <i>Astrophysical Journal</i> , 2018, 853, 198.	4.5	65
28	The Second APOKASC Catalog: The Empirical Approach. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 32.	7.7	183
29	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
30	Disk-like Chemistry of the Triangulum-Andromeda Overdensity as Seen by APOGEE. <i>Astrophysical Journal Letters</i> , 2018, 859, L8.	8.3	24
31	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
32	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
33	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
34	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
35	APOGEE Chemical Abundances of the Sagittarius Dwarf Galaxy. <i>Astrophysical Journal</i> , 2017, 845, 162.	4.5	68
36	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

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37	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
38	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
39	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
40	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
41	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
42	The peculiar globular cluster Palomar 1 and persistence in the SDSS-APOGEE data base. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4782-4793.	4.4	7
43	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). Astronomical Journal, 2017, 154, 94.	4.7	1,065
44	Spectro-photometric distances to stars: A general purpose Bayesian approach. Astronomy and Astrophysics, 2016, 585, A42.	5.1	74
45	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. Astronomical Journal, 2016, 151, 144.	4.7	497
46	CHEMICAL ABUNDANCES IN A SAMPLE OF RED GIANTS IN THE OPEN CLUSTER NGC 2420 FROM APOGEE. Astrophysical Journal, 2016, 830, 35.	4.5	27
47	CHEMICAL ABUNDANCE ANALYSIS OF MOVING GROUP W11450 (LATHAM 1). Astronomical Journal, 2016, 152, 176.	4.7	0
48	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. Astronomical Journal, 2016, 151, 44.	4.7	582
49	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
50	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. Astronomical Journal, 2015, 150, 148.	4.7	344
51	Binary Information from Open Clusters Using SEDS (BINOCS) Project: The Dynamical Evolution of the Binary Populations in Cluster Environments. Proceedings of the International Astronomical Union, 2015, 12, 255-256.	0.0	1
52	Young α -enriched giant stars in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2230-2243.	4.4	133
53	IN-SYNC. II. VIRIAL STARS FROM SUBVIRIAL CORES – THE VELOCITY DISPERSION OF EMBEDDED PRE-MAIN-SEQUENCE STARS IN NGC 1333. Astrophysical Journal, 2015, 799, 136.	4.5	88
54	SODIUM AND OXYGEN ABUNDANCES IN THE OPEN CLUSTER NGC 6791 FROM APOGEE H-BAND SPECTROSCOPY. Astrophysical Journal Letters, 2015, 798, L41.	8.3	62

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55	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
56	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
57	THE PUZZLING Li-RICH RED GIANT ASSOCIATED WITH NGC 6819. <i>Astrophysical Journal</i> , 2015, 802, 7.	4.5	27
58	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
59	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
60	THE APOGEE SPECTROSCOPIC SURVEY OF KEPLER PLANET HOSTS: FEASIBILITY, EFFICIENCY, AND FIRST RESULTS. <i>Astronomical Journal</i> , 2015, 149, 143.	4.7	40
61	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
62	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
63	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
64	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
65	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
66	NEW RED JEWELS IN COMA BERENICES. <i>Astrophysical Journal</i> , 2014, 782, 61.	4.5	17
67	CHEMICAL CARTOGRAPHY WITH APOGEE: LARGE-SCALE MEAN METALLICITY MAPS OF THE MILKY WAY DISK. <i>Astronomical Journal</i> , 2014, 147, 116.	4.7	134
68	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
69	DISCOVERY OF TWO RARE RIGIDLY ROTATING MAGNETOSPHERE STARS IN THE APOGEE SURVEY. <i>Astrophysical Journal Letters</i> , 2014, 784, L30.	8.3	25
70	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
71	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
72	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

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73	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
74	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
75	THE BULGE RADIAL VELOCITY ASSAY (BRAVA). II. COMPLETE SAMPLE AND DATA RELEASE. <i>Astronomical Journal</i> , 2012, 143, 57.	4.7	195
76	AN UNEXPECTED DISCOVERY IN THE RICH OPEN CLUSTER NGC 6819 USING XMM-NEWTON. <i>Astrophysical Journal</i> , 2012, 745, 57.	4.5	20
77	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
78	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
79	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
80	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
81	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
82	SDSS-III/APOGEE: Detailed Abundances of Galactic Star Clusters. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2012, , 31-38.	0.3	1
83	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
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	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
86	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
87	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
88	Testing the BH 176 and Berkeley 29 Association with GASS/Monoceros. <i>Globular Clusters - Guides To Galaxies</i> , 2009, , 31-32.	0.1	0
89	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
90	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

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91	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
92	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
93	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
94	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
95	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
96	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
97	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
98	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
99	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