Jo Bovy

List of Publications by Year
in descending order

154 papers	29,485 citations	8732 75 h-index	7931 149 g-index
155 all docs	155 docs citations	155 times ranked	12626 citing authors

#	Article	IF	Citations
1	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2015, 219, 12.	3.0	1,877
2	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. Astronomical Journal, 2011, 142, 72.	1.9	1,700
3	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. Astronomical Journal, 2013, 145, 10.	1.9	1,571
4	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. Astrophysical Journal, Supplement Series, 2011, 193, 29.	3.0	1,166
5	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.	3.0	1,158
6	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	1.9	1,100
7	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). Astronomical Journal, 2017, 154, 94.	1.9	1,065
8	galpy: A python LIBRARY FOR GALACTIC DYNAMICS. Astrophysical Journal, Supplement Series, 2015, 216, 29.	3.0	929
9	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.	3.0	826
10	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.	3.0	820
11	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.	3.0	796
12	Baryon acoustic oscillations in the LyÎ±forest of BOSS DR11 quasars. Astronomy and Astrophysics, 2015, 574, A59.	2.1	669
13	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. Astronomical Journal, 2016, 151, 44.	1.9	582
14	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, .	1.6	527
15	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. Astronomical Journal, 2016, 151, 144.	1.9	497
16	Cosmological implications of baryon acoustic oscillation measurements. Physical Review D, 2015, 92, .	1.6	487
17	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. Astrophysical Journal, 2015, 808, 132.	1.6	468
18	Baryon acoustic oscillations in the LyÎ±forest of BOSS quasars. Astronomy and Astrophysics, 2013, 552, A96.	2.1	459

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19	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.	3.0	406
20	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.	3.0	405
21	A DIRECT DYNAMICAL MEASUREMENT OF THE MILKY WAY'S DISK SURFACE DENSITY PROFILE, DISK SCALE LENGTH, AND DARK MATTER PROFILE AT 4 kpc â‰² R â‰² 9 kpc. Astrophysical Journal, 2013, 779, 115.	1.6	400
22	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. Astronomical Journal, 2015, 150, 148.	1.9	344
23	THE SPATIAL STRUCTURE OF MONO-ABUNDANCE SUB-POPULATIONS OF THE MILKY WAY DISK. Astrophysical Journal, 2012, 753, 148.	1.6	341
24	The Sloan Digital Sky Survey Quasar Catalog: Twelfth data release. Astronomy and Astrophysics, 2017, 597, A79.	2.1	337
25	THE MILKY WAY'S CIRCULAR-VELOCITY CURVE BETWEEN 4 AND 14 kpc FROM APOGEE DATA. Astrophysical Journal, 2012, 759, 131.	1.6	325
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.	3.0	299
27	ON THE LOCAL DARK MATTER DENSITY. Astrophysical Journal, 2012, 756, 89.	1.6	283
28	THE APOKASC CATALOG: AN ASTEROSEISMIC AND SPECTROSCOPIC JOINT SURVEY OF TARGETS IN THE KEPLER FIELDS. Astrophysical Journal, Supplement Series, 2014, 215, 19.	3.0	268
29	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.	1.9	266
30	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION FOR DATA RELEASE NINE. Astrophysical Journal, Supplement Series, 2012, 199, 3.	3.0	246
31	THE MILKY WAY HAS NO DISTINCT THICK DISK. Astrophysical Journal, 2012, 751, 131.	1.6	246
32	Vertical waves in the solar neighbourhood inGaiaDR2. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1417-1425.	1.6	234
33	The Sloan Digital Sky Survey quasar catalog: ninth data release. Astronomy and Astrophysics, 2012, 548, A66.	2.1	229
34	APOGEE Data Releases 13 and 14: Data and Analysis. Astronomical Journal, 2018, 156, 125.	1.9	220
35	The Milky Wayâ€™s stellar disk. Astronomy and Astrophysics Review, 2013, 21, 1.	9.1	204
36	Target Selection for the SDSS-IV APOGEE-2 Survey. Astronomical Journal, 2017, 154, 198.	1.9	200

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37	The Sloan Digital Sky Survey quasar catalog: tenth data release. Astronomy and Astrophysics, 2014, 563, A54.	2.1	200
38	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.	1.6	199
39	Measurement of baryon acoustic oscillations in the Lyman-Î± forest fluctuations in BOSS data release 9. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 026-026.	1.9	185
40	ON GALACTIC DENSITY MODELING IN THE PRESENCE OF DUST EXTINCTION. Astrophysical Journal, 2016, 818, 130.	1.6	182
41	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.	1.6	181
42	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. Astrophysical Journal, 2014, 796, 38.	1.6	181
43	INFERRING THE ECCENTRICITY DISTRIBUTION. Astrophysical Journal, 2010, 725, 2166-2175.	1.6	179
44	THE STELLAR POPULATION STRUCTURE OF THE GALACTIC DISK. Astrophysical Journal, 2016, 823, 30.	1.6	178
45	THINK OUTSIDE THE COLOR BOX: PROBABILISTIC TARGET SELECTION AND THESDSS-XDQSOQUASAR TARGETING CATALOG. Astrophysical Journal, 2011, 729, 141.	1.6	172
46	The clustering of intermediate-redshift quasars as measured by the Baryon Oscillation Spectroscopic Survey. Monthly Notices of the Royal Astronomical Society, 2012, 424, 933-950.	1.6	171
47	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: THE QUASAR LUMINOSITY FUNCTION FROM DATA RELEASE NINE. Astrophysical Journal, 2013, 773, 14.	1.6	170
48	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION. Astrophysical Journal, Supplement Series, 2015, 221, 27.	3.0	153
49	GALACTIC MASERS AND THE MILKY WAY CIRCULAR VELOCITY. Astrophysical Journal, 2009, 704, 1704-1709.	1.6	148
50	Bayesian distances and extinctions for giants observed by Kepler and APOGEE. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2758-2776.	1.6	148
51	CHEMICAL CARTOGRAPHY WITH APOGEE: LARGE-SCALE MEAN METALLICITY MAPS OF THE MILKY WAY DISK. Astronomical Journal, 2014, 147, 116.	1.9	134
52	Young Î±-enriched giant stars in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2230-2243.	1.6	133
53	EXPLORING ANTICORRELATIONS AND LIGHT ELEMENT VARIATIONS IN NORTHERN GLOBULAR CLUSTERS OBSERVED BY THE APOGEE SURVEY. Astronomical Journal, 2015, 149, 153.	1.9	133
54	THE SHAPE OF THE INNER MILKY WAY HALO FROM OBSERVATIONS OF THE PAL 5 AND GDâ€“1 STELLAR STREAMS. Astrophysical Journal, 2016, 833, 31.	1.6	130

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55	Life in the fast lane: a direct view of the dynamics, formation, and evolution of the Milky Wayâ€™s bar. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4740-4747.	1.6	129
56	Extreme deconvolution: Inferring complete distribution functions from noisy, heterogeneous and incomplete observations. Annals of Applied Statistics, 2011, 5, .	0.5	128
57	THE GRAVITATIONAL POTENTIAL NEAR THE SUN FROM SEGUE K-DWARF KINEMATICS. Astrophysical Journal, 2013, 772, 108.	1.6	123
58	The ageâ€“metallicity structure of the Milky Way disc using APOGEE. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3057-3078.	1.6	123
59	The number and size of subhalo-induced gaps in stellar streams. Monthly Notices of the Royal Astronomical Society, 2016, 463, 102-119.	1.6	121
60	Dynamical heating across the Milky Way disc using APOGEE and Gaia. Monthly Notices of the Royal Astronomical Society, 2019, 489, 176-195.	1.6	121
61	QUASARS PROBING QUASARS. VI. EXCESS H I ABSORPTION WITHIN ONE PROPER Mpc OFzâ^¼ 2 QUASARS. Astrophysical Journal, 2013, 776, 136.	1.6	120
62	CARBON-ENHANCED METAL-POOR STARS IN THE INNER AND OUTER HALO COMPONENTS OF THE MILKY WAY. Astrophysical Journal, 2012, 744, 195.	1.6	117
63	THE STELLAR METALLICITY DISTRIBUTION FUNCTION OF THE GALACTIC HALO FROM SDSS PHOTOMETRY. Astrophysical Journal, 2013, 763, 65.	1.6	113
64	THE CHEMICAL HOMOGENEITY OF OPEN CLUSTERS. Astrophysical Journal, 2016, 817, 49.	1.6	110
65	Simultaneous calibration of spectro-photometric distances and the Gaia DR2 parallax zero-point offset with deep learning. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2079-2096.	1.6	109
66	MaGICC thick disc â€“ I. Comparing a simulated disc formed with stellar feedback to the Milky Way. Monthly Notices of the Royal Astronomical Society, 2013, 436, 625-634.	1.6	107
67	PHOTOMETRIC REDSHIFTS AND QUASAR PROBABILITIES FROM A SINGLE, DATA-DRIVEN GENERATIVE MODEL. Astrophysical Journal, 2012, 749, 41.	1.6	104
68	Stellar inventory of the solar neighbourhood using Gaia DR1. Monthly Notices of the Royal Astronomical Society, 2017, 470, 1360-1387.	1.6	103
69	Stellar Multiplicity Meets Stellar Evolution and Metallicity: The APOGEE View. Astrophysical Journal, 2018, 854, 147.	1.6	100
70	THE RADIAL PROFILE AND FLATTENING OF THE MILKY WAYâ€™S STELLAR HALO TO 80 kpc FROM THE SEGUE K-GIANT SURVEY. Astrophysical Journal, 2015, 809, 144.	1.6	98
71	Galactic rotation in Gaia DR1. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 468, L63-L67.	1.2	97
72	Deep learning of multi-element abundances from high-resolution spectroscopic data. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	96

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73	THE VERTICAL MOTIONS OF MONO-ABUNDANCE SUB-POPULATIONS IN THE MILKY WAY DISK. Astrophysical Journal, 2012, 755, 115.	1.6	94
74	DYNAMICAL MODELING OF TIDAL STREAMS. Astrophysical Journal, 2014, 795, 95.	1.6	91
75	Linear perturbation theory for tidal streams and the small-scale CDM power spectrum. Monthly Notices of the Royal Astronomical Society, 2017, 466, 628-668.	1.6	91
76	THE COLOR VARIABILITY OF QUASARS. Astrophysical Journal, 2012, 744, 147.	1.6	81
77	Transient spiral structure and the disc velocity substructure in Gaia DR2. Monthly Notices of the Royal Astronomical Society, 2018, 481, 3794-3803.	1.6	72
78	THE POWER SPECTRUM OF THE MILKY WAY: VELOCITY FLUCTUATIONS IN THE GALACTIC DISK. Astrophysical Journal, 2015, 800, 83.	1.6	71
79	Weighing the stellar constituents of the galactic halo with APOGEE red giant stars. Monthly Notices of the Royal Astronomical Society, 2020, 492, 3631-3646.	1.6	67
80	Fast Estimation of Orbital Parameters in Milky Way-like Potentials. Publications of the Astronomical Society of the Pacific, 2018, 130, 114501.	1.0	57
81	Red clump stars and Gaia: calibration of the standard candle using a hierarchical probabilistic model. Monthly Notices of the Royal Astronomical Society, 2017, 471, 722-729.	1.6	56
82	Effects of baryonic and dark matter substructure on the Pal 5 stream. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2009-2020.	1.6	56
83	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.	1.6	55
84	THE VELOCITY DISTRIBUTION OF NEARBY STARS FROMHIPPARCOSDATA. I. THE SIGNIFICANCE OF THE MOVING GROUPS. Astrophysical Journal, 2009, 700, 1794-1819.	1.6	54
85	COSMIC TRANSPARENCY: A TEST WITH THE BARYON ACOUSTIC FEATURE AND TYPE Ia SUPERNOVAE. Astrophysical Journal, 2009, 696, 1727-1732.	1.6	54
86	Age-resolved chemistry of red giants in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2326-2348.	1.6	54
87	Signatures of resonance and phase mixing in the Galactic disc. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1026-1043.	1.6	52
88	The 4:1 outer Lindblad resonance of a long-slow bar as an explanation for the Hercules stream. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3945-3953.	1.6	51
89	Dynamics of streamâ€“subhalo interactions. Monthly Notices of the Royal Astronomical Society, 2016, 457, 3817-3835.	1.6	50
90	THE VELOCITY DISTRIBUTION OF NEARBY STARS FROMHIPPARCOSDATA. II. THE NATURE OF THE LOW-VELOCITY MOVING GROUPS. Astrophysical Journal, 2010, 717, 617-639.	1.6	48

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91	DETERMINING AGES OF APOGEE GIANTS WITH KNOWN DISTANCES. Astrophysical Journal, 2016, 817, 40.	1.6	48
92	Evidence of a population of dark subhaloes from Gaia and Pan-STARRS observations of the GD-1 stream. Monthly Notices of the Royal Astronomical Society, 2021, 502, 2364-2380.	1.6	47
93	Substructure boosts to dark matter annihilation from Sommerfeld enhancement. Physical Review D, 2009, 79, .	1.6	45
94	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. V. MAPPING THE DARK MATTER HALO. Astrophysical Journal, 2014, 794, 151.	1.6	44
95	Quasar probabilities and redshifts fromWISEmid-IR throughGALEXUV photometry. Monthly Notices of the Royal Astronomical Society, 2015, 452, 3124-3138.	1.6	44
96	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. Astronomical Journal, 2021, 162, 302.	1.9	44
97	The Gaia DR2 parallax zero-point: hierarchical modelling of red clump stars. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4367-4381.	1.6	43
98	Probing the nature of dark matter particles with stellar streams. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 061-061.	1.9	41
99	Novel constraints on the particle nature of dark matter from stellar streams. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 043.	1.9	40
100	Spiral- and bar-driven peculiar velocities in Milky Way-sized galaxy simulations. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1867-1878.	1.6	38
101	The Bulge Metallicity Distribution from the APOGEE Survey. Astrophysical Journal, 2018, 852, 91.	1.6	36
102	Detecting the Disruption of Dark-Matter Halos with Stellar Streams. Physical Review Letters, 2016, 116, 121301.	2.9	35
103	Script N = 1,2 supersymmetric vacua of IIA supergravity and SU(2) structures. Journal of High Energy Physics, 2005, 2005, 056-056.	1.6	31
104	TRACING THE HERCULES STREAM AROUND THE GALAXY. Astrophysical Journal, 2010, 725, 1676-1681.	1.6	31
105	Galactic rotation from Cepheids with Gaia DR2 and effects of non-axisymmetry. Monthly Notices of the Royal Astronomical Society, 2019, 482, 40-51.	1.6	30
106	Strong lensing signatures of self-interacting dark matter in low-mass haloes. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2432-2447.	1.6	30
107	The dimensionality of stellar chemical space using spectra from the Apache Point Observatory Galactic Evolution Experiment. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1410-1425.	1.6	29
108	LOW-MASS SUPPRESSION OF THE SATELLITE LUMINOSITY FUNCTION DUE TO THE SUPERSONIC BARYON-COLD-DARK-MATTER RELATIVE VELOCITY. Astrophysical Journal, 2013, 768, 70.	1.6	28

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109	Searching for the GD-1 stream progenitor inGaiaDR2 with directN-body simulations. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5929-5938.	1.6	28
110	Don't cross the streams: caustics from fuzzy dark matter. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 076.	1.9	28
111	CHEMICAL ABUNDANCES IN A SAMPLE OF RED GIANTS IN THE OPEN CLUSTER NGC 2420 FROM APOGEE. Astrophysical Journal, 2016, 830, 35.	1.6	27
112	Exploring the Sgrâ€"Milky Wayâ€"disk Interaction Using High-resolution N-body Simulations. Astrophysical Journal, 2022, 927, 131.	1.6	27
113	THE NATURE AND ORBIT OF THE OPHIUCHUS STREAM. Astrophysical Journal, 2015, 809, 59.	1.6	26
114	The orbital anisotropy profiles of nearby globular clusters from Gaia Data Release 2. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3693-3701.	1.6	26
115	The kinematic properties of Milky Way stellar halo populations. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5119-5141.	1.6	26
116	The contribution of N-rich stars to the Galactic stellar halo using APOGEE red giants. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5462-5478.	1.6	25
117	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.	1.6	25
118	The Hercules stream as seen by APOGEE-2 South. Monthly Notices of the Royal Astronomical Society, 2018, 474, 95-101.	1.6	24
119	An extended Pal 5 stream in Gaia DR2. Monthly Notices of the Royal Astronomical Society, 2020, 493, 4978-4986.	1.6	23
120	High-resolution simulations of dark matter subhalo disruption in a Milky-Way-like tidal field. Monthly Notices of the Royal Astronomical Society, 2020, 499, 116-128.	1.6	22
121	The Transparency of Galaxy Clusters. Astrophysical Journal, 2008, 688, 198-207.	1.6	21
122	Did Sgr cause the vertical waves in the solar neighbourhood?. Monthly Notices of the Royal Astronomical Society, 2021, 503, 376-393.	1.6	21
123	Constraining the Galactic potential via action-based distribution functions for mono-abundance stellar populations. Monthly Notices of the Royal Astronomical Society, 2013, 434, 652-660.	1.6	20
124	Absolute Magnitudes of Seismic Red Clumps in the Kepler Field and SAGA: The Age Dependency of the Distance Scale. Astrophysical Journal, 2017, 840, 77.	1.6	20
125	Blind chemical tagging with DBSCAN: prospects for spectroscopic surveys. Monthly Notices of the Royal Astronomical Society, 2019, 487, 871-886.	1.6	20
126	Improving Gaia Parallax Precision with a Data-driven Model of Stars. Astronomical Journal, 2018, 156, 145.	1.9	19

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127	The Proper Motion of Pyxis: The First Use of Adaptive Optics in Tandem with HST on a Faint Halo Object. Astrophysical Journal, 2017, 840, 30.	1.6	18
128	ACTION-BASED DYNAMICAL MODELING FOR THE MILKY WAY DISK. Astrophysical Journal, 2016, 830, 97.	1.6	17
129	The effects of dwarf galaxies on the orbital evolution of galactic globular clusters. Monthly Notices of the Royal Astronomical Society, 2020, 499, 804-813.	1.6	17
130	Connection between a Possible Fifth Force and the Direct Detection of Dark Matter. Physical Review Letters, 2009, 102, 101301.	2.9	16
131	Made-to-measure modelling of observed galaxy dynamics. Monthly Notices of the Royal Astronomical Society, 2018, 473, 2288-2303.	1.6	14
132	DYNAMICAL INFERENCE FROM A KINEMATIC SNAPSHOT: THE FORCE LAW IN THE SOLAR SYSTEM. Astrophysical Journal, 2010, 711, 1157-1167.	1.6	12
133	The primordial matter power spectrum on sub-galactic scales. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3163-3188.	1.6	12
134	DETECTION OF A DEARTH OF STARS WITH ZERO ANGULAR MOMENTUM IN THE SOLAR NEIGHBORHOOD. Astrophysical Journal Letters, 2016, 832, L25.	3.0	11
135	Action-based Dynamical Modeling for the Milky Way Disk: The Influence of Spiral Arms. Astrophysical Journal, 2017, 839, 61.	1.6	11
136	The structure of accreted stellar streams. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2339-2348.	1.6	11
137	ESTIMATING BLACK HOLE MASSES IN HUNDREDS OF QUASARS. Astrophysical Journal, 2015, 801, 45.	1.6	10
138	The Origin of the 300 km s^{âˆ’1} Stream near Segue 1. Astrophysical Journal, 2018, 866, 42.	1.6	10
139	Searching for solar siblings in APOGEE and Gaia DR2 with N-body simulations. Monthly Notices of the Royal Astronomical Society, 2020, 494, 2268-2279.	1.6	10
140	On N-body simulations of globular cluster streams. Monthly Notices of the Royal Astronomical Society, 2021, 504, 648-653.	1.6	9
141	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.	1.6	7
142	Modelling the Effects of Dark Matter Substructure on Globular Cluster Evolution with the Tidal Approximation. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	6
143	The Ophiuchus stream progenitor: a new type of globular cluster and its possible Sagittarius connection. Monthly Notices of the Royal Astronomical Society, 2020, 492, 4164-4174.	1.6	4
144	Testing the chemical homogeneity of chemically tagged dissolved birth clusters. Monthly Notices of the Royal Astronomical Society, 2021, 506, 5573-5588.	1.6	4

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145	Variation in the stellar mass function along stellar streams. Monthly Notices of the Royal Astronomical Society, 2021, 510, 774-785.	1.6	4
146	Spherical harmonics analysis ofFermigamma-ray data and the Galactic dark matter halo. Physical Review D, 2011, 84, .	1.6	3
147	The building blocks of the Milky Way halo using APOGEE and Gaia or Is the Galaxy a typical galaxy?. Proceedings of the International Astronomical Union, 2019, 14, 170-173.	0.0	3
148	Functional Data Analysis for Extracting the Intrinsic Dimensionality of Spectra: Application to Chemical Homogeneity in the Open Cluster M67. Astrophysical Journal, 2022, 926, 51.	1.6	3
149	Using LSST Microlensing to Constrain Dark Compact Objects in Spherical and Disk Configurations. Astrophysical Journal, 2022, 933, 177.	1.6	2
150	Constraining the Small-Scale Clustering of Dark Matter with Stellar Streams. Thirty Years of Astronomical Discovery With UKIRT, 2019, , 9-18.	0.3	1
151	Constraining dynamical models with observational data. Proceedings of the International Astronomical Union, 2013, 9, 185-194.	0.0	0
152	Using ground based data as a precursor for Gaia in getting proper motions of satellites. Proceedings of the International Astronomical Union, 2017, 12, 210-213.	0.0	0
153	The age-metallicity structure of the Milky Way disc with APOGEE. Proceedings of the International Astronomical Union, 2017, 13, 265-268.	0.0	0
154	What drives the evolution of the Milky Way's disk?. EAS Publications Series, 2014, 67-68, 331-338.	0.3	0