

Jo Bovy

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152
papers

22,405
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149
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155
ext. papers

25,847
ext. citations

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L-index

#	Paper	IF	Citations
152	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	8	1504
151	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. <i>Astronomical Journal</i> , 2011 , 142, 72	4.9	1438
150	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. <i>Astronomical Journal</i> , 2013 , 145, 10	4.9	1280
149	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. <i>Astrophysical Journal, Supplement Series</i> , 2011 , 193, 29	8	1063
148	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	8	1029
147	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	8	760
146	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. <i>Astronomical Journal</i> , 2017 , 154, 28	4.9	733
145	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , 2017 , 154, 94	4.9	713
144	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	8	657
143	galpy: A python LIBRARY FOR GALACTIC DYNAMICS. <i>Astrophysical Journal, Supplement Series</i> , 2015 , 216, 29	8	616
142	Baryon acoustic oscillations in the Ly α forest of BOSS DR11 quasars. <i>Astronomy and Astrophysics</i> , 2015 , 574, A59	5.1	524
141	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. <i>Astronomical Journal</i> , 2016 , 151, 44	4.9	415
140	Cosmological implications of baryon acoustic oscillation measurements. <i>Physical Review D</i> , 2015 , 92,	4.9	376
139	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. <i>Astronomical Journal</i> , 2016 , 151, 144	4.9	376
138	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	8	363
137	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2015 , 808, 132	4.7	360
136	Baryon acoustic oscillations in the Ly α forest of BOSS quasars. <i>Astronomy and Astrophysics</i> , 2013 , 552, A96	5.1	344

135	A DIRECT DYNAMICAL MEASUREMENT OF THE MILKY WAY'S DISK SURFACE DENSITY PROFILE, DISK SCALE LENGTH, AND DARK MATTER PROFILE AT 4 kpc \leq 9 kpc. <i>Astrophysical Journal</i> , 2013 , 779, 115	4.7	340
134	THE SPATIAL STRUCTURE OF MONO-ABUNDANCE SUB-POPULATIONS OF THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2012 , 753, 148	4.7	303
133	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. <i>Astronomical Journal</i> , 2015 , 150, 148	4.9	292
132	The Sloan Digital Sky Survey Quasar Catalog: Twelfth data release. <i>Astronomy and Astrophysics</i> , 2017 , 597, A79	5.1	287
131	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	8	284
130	THE MILKY WAY'S CIRCULAR-VELOCITY CURVE BETWEEN 4 AND 14 kpc FROM APOGEE DATA. <i>Astrophysical Journal</i> , 2012 , 759, 131	4.7	271
129	ON THE LOCAL DARK MATTER DENSITY. <i>Astrophysical Journal</i> , 2012 , 756, 89	4.7	234
128	THE APOKASC CATALOG: AN ASTEROSEISMIC AND SPECTROSCOPIC JOINT SURVEY OF TARGETS IN THE KEPLER FIELDS. <i>Astrophysical Journal, Supplement Series</i> , 2014 , 215, 19	8	230
127	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION FOR DATA RELEASE NINE. <i>Astrophysical Journal, Supplement Series</i> , 2012 , 199, 3	8	223
126	THE MILKY WAY HAS NO DISTINCT THICK DISK. <i>Astrophysical Journal</i> , 2012 , 751, 131	4.7	217
125	The Sloan Digital Sky Survey quasar catalog: ninth data release. <i>Astronomy and Astrophysics</i> , 2012 , 548, A66	5.1	217
124	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	8	214
123	The Sloan Digital Sky Survey quasar catalog: tenth data release. <i>Astronomy and Astrophysics</i> , 2014 , 563, A54	5.1	182
122	The Milky Way's stellar disk. <i>Astronomy and Astrophysics Review</i> , 2013 , 21, 1	28.8	172
121	APOGEE Data Releases 13 and 14: Data and Analysis. <i>Astronomical Journal</i> , 2018 , 156, 125	4.9	170
120	THINK OUTSIDE THE COLOR BOX: PROBABILISTIC TARGET SELECTION AND THE SDSS-XDQSO QUASAR TARGETING CATALOG. <i>Astrophysical Journal</i> , 2011 , 729, 141	4.7	161
119	Measurement of baryon acoustic oscillations in the Lyman- α forest fluctuations in BOSS data release 9. <i>Journal of Cosmology and Astroparticle Physics</i> , 2013 , 2013, 026-026	6.4	157
118	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	4.7	155

117	The clustering of intermediate-redshift quasars as measured by the Baryon Oscillation Spectroscopic Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012 , 424, 933-950	4.3	153
116	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. <i>Astrophysical Journal</i> , 2014 , 796, 38	4.7	149
115	Target Selection for the SDSS-IV APOGEE-2 Survey. <i>Astronomical Journal</i> , 2017 , 154, 198	4.9	146
114	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,	4.9	145
113	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: THE QUASAR LUMINOSITY FUNCTION FROM DATA RELEASE NINE. <i>Astrophysical Journal</i> , 2013 , 773, 14	4.7	143
112	INFERRING THE ECCENTRICITY DISTRIBUTION. <i>Astrophysical Journal</i> , 2010 , 725, 2166-2175	4.7	140
111	THE STELLAR POPULATION STRUCTURE OF THE GALACTIC DISK. <i>Astrophysical Journal</i> , 2016 , 823, 30	4.7	138
110	GALACTIC MASERS AND THE MILKY WAY CIRCULAR VELOCITY. <i>Astrophysical Journal</i> , 2009 , 704, 1704-1709	4.7	136
109	ON GALACTIC DENSITY MODELING IN THE PRESENCE OF DUST EXTINCTION. <i>Astrophysical Journal</i> , 2016 , 818, 130	4.7	129
108	The origin of accreted stellar halo populations in the Milky Way using APOGEE, Gaia, and the EAGLE simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 3426-3442	4.3	126
107	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION. <i>Astrophysical Journal, Supplement Series</i> , 2015 , 221, 27	8	124
106	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	4.9	120
105	EXPLORING ANTICORRELATIONS AND LIGHT ELEMENT VARIATIONS IN NORTHERN GLOBULAR CLUSTERS OBSERVED BY THE APOGEE SURVEY. <i>Astronomical Journal</i> , 2015 , 149, 153	4.9	119
104	Bayesian distances and extinctions for giants observed by Kepler and APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 2758-2776	4.3	119
103	CHEMICAL CARTOGRAPHY WITH APOGEE: LARGE-SCALE MEAN METALLICITY MAPS OF THE MILKY WAY DISK. <i>Astronomical Journal</i> , 2014 , 147, 116	4.9	115
102	Vertical waves in the solar neighbourhood in Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 1417-1425	4.3	114
101	Young Enriched giant stars in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 451, 2230-2243	4.3	106
100	THE STELLAR METALLICITY DISTRIBUTION FUNCTION OF THE GALACTIC HALO FROM SDSS PHOTOMETRY. <i>Astrophysical Journal</i> , 2013 , 763, 65	4.7	102

99	CARBON-ENHANCED METAL-POOR STARS IN THE INNER AND OUTER HALO COMPONENTS OF THE MILKY WAY. <i>Astrophysical Journal</i> , 2012 , 744, 195	4.7	101
98	THE GRAVITATIONAL POTENTIAL NEAR THE SUN FROM SEGUE K-DWARF KINEMATICS. <i>Astrophysical Journal</i> , 2013 , 772, 108	4.7	100
97	QUASARS PROBING QUASARS. VI. EXCESS H I ABSORPTION WITHIN ONE PROPER Mpc OF $z \sim 2$ QUASARS. <i>Astrophysical Journal</i> , 2013 , 776, 136	4.7	99
96	Extreme deconvolution: Inferring complete distribution functions from noisy, heterogeneous and incomplete observations. <i>Annals of Applied Statistics</i> , 2011 , 5,	2.1	99
95	The number and size of subhalo-induced gaps in stellar streams. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 463, 102-119	4.3	98
94	THE SHAPE OF THE INNER MILKY WAY HALO FROM OBSERVATIONS OF THE PAL 5 AND GD1 STELLAR STREAMS. <i>Astrophysical Journal</i> , 2016 , 833, 31	4.7	95
93	MaGICC thick disc II. Comparing a simulated disc formed with stellar feedback to the Milky Way. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 436, 625-634	4.3	94
92	The age-metallicity structure of the Milky Way disc using APOGEE. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 471, 3057-3078	4.3	93
91	PHOTOMETRIC REDSHIFTS AND QUASAR PROBABILITIES FROM A SINGLE, DATA-DRIVEN GENERATIVE MODEL. <i>Astrophysical Journal</i> , 2012 , 749, 41	4.7	92
90	THE VERTICAL MOTIONS OF MONO-ABUNDANCE SUB-POPULATIONS IN THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2012 , 755, 115	4.7	89
89	THE CHEMICAL HOMOGENEITY OF OPEN CLUSTERS. <i>Astrophysical Journal</i> , 2016 , 817, 49	4.7	87
88	THE RADIAL PROFILE AND FLATTENING OF THE MILKY WAY'S STELLAR HALO TO 80 kpc FROM THE SEGUE K-GIANT SURVEY. <i>Astrophysical Journal</i> , 2015 , 809, 144	4.7	82
87	Galactic rotation in Gaia DR1. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017 , 468, L63-L67	4.7	81
86	Stellar inventory of the solar neighbourhood using Gaia DR1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 470, 1360-1387	4.3	80
85	Simultaneous calibration of spectro-photometric distances and the Gaia DR2 parallax zero-point offset with deep learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 2079-2096	4.3	78
84	DYNAMICAL MODELING OF TIDAL STREAMS. <i>Astrophysical Journal</i> , 2014 , 795, 95	4.7	76
83	Linear perturbation theory for tidal streams and the small-scale CDM power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 466, 628-668	4.3	73
82	THE COLOR VARIABILITY OF QUASARS. <i>Astrophysical Journal</i> , 2012 , 744, 147	4.7	72

81	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	4-3	70
80	Dynamical heating across the Milky Way disc using APOGEE and Gaia. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 489, 176-195	4-3	67
79	Deep learning of multi-element abundances from high-resolution spectroscopic data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 ,	4-3	65
78	Stellar Multiplicity Meets Stellar Evolution and Metallicity: The APOGEE View. <i>Astrophysical Journal</i> , 2018 , 854, 147	4-7	64
77	THE POWER SPECTRUM OF THE MILKY WAY: VELOCITY FLUCTUATIONS IN THE GALACTIC DISK. <i>Astrophysical Journal</i> , 2015 , 800, 83	4-7	62
76	Transient spiral structure and the disc velocity substructure in Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 3794-3803	4-3	54
75	THE VELOCITY DISTRIBUTION OF NEARBY STARS FROM HIPPARCOS DATA. I. THE SIGNIFICANCE OF THE MOVING GROUPS. <i>Astrophysical Journal</i> , 2009 , 700, 1794-1819	4-7	52
74	COSMIC TRANSPARENCY: A TEST WITH THE BARYON ACOUSTIC FEATURE AND TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2009 , 696, 1727-1732	4-7	50
73	Red clump stars and Gaia: calibration of the standard candle using a hierarchical probabilistic model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 471, 722-729	4-3	46
72	THE VELOCITY DISTRIBUTION OF NEARBY STARS FROM HIPPARCOS DATA. II. THE NATURE OF THE LOW-VELOCITY MOVING GROUPS. <i>Astrophysical Journal</i> , 2010 , 717, 617-639	4-7	45
71	Dynamics of stream-subhalo interactions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 457, 3817-3835	4-3	42
70	DETERMINING AGES OF APOGEE GIANTS WITH KNOWN DISTANCES. <i>Astrophysical Journal</i> , 2016 , 817, 40	4-7	41
69	Substructure boosts to dark matter annihilation from Sommerfeld enhancement. <i>Physical Review D</i> , 2009 , 79,	4-9	41
68	The 4:1 outer Lindblad resonance of a long-slow bar as an explanation for the Hercules stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 3945-3953	4-3	40
67	Quasar probabilities and redshifts from WISE mid-IR through GALEX UV photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 452, 3124-3138	4-3	39
66	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	4-7	38
65	Effects of baryonic and dark matter substructure on the Pal 5 stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 484, 2009-2020	4-3	37
64	The Gaia DR2 parallax zero-point: hierarchical modelling of red clump stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 4367-4381	4-3	37

63	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. V. MAPPING THE DARK MATTER HALO. <i>Astrophysical Journal</i> , 2014 , 794, 151	4.7	37
62	Weighing the stellar constituents of the galactic halo with APOGEE red giant stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 492, 3631-3646	4.3	36
61	Age-resolved chemistry of red giants in the solar neighbourhood. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 477, 2326-2348	4.3	36
60	Spiral- and bar-driven peculiar velocities in Milky Way-sized galaxy simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 453, 1867-1878	4.3	33
59	Fast Estimation of Orbital Parameters in Milky Way-like Potentials. <i>Publications of the Astronomical Society of the Pacific</i> , 2018 , 130, 114501	5	32
58	Signatures of resonance and phase mixing in the Galactic disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 490, 1026-1043	4.3	31
57	Probing the nature of dark matter particles with stellar streams. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018 , 2018, 061-061	6.4	30
56	The Bulge Metallicity Distribution from the APOGEE Survey. <i>Astrophysical Journal</i> , 2018 , 852, 91	4.7	29
55	Detecting the Disruption of Dark-Matter Halos with Stellar Streams. <i>Physical Review Letters</i> , 2016 , 116, 121301	7.4	29
54	Script N = 1,2 supersymmetric vacua of IIA supergravity and SU(2) structures. <i>Journal of High Energy Physics</i> , 2005 , 2005, 056-056	5.4	29
53	TRACING THE HERCULES STREAM AROUND THE GALAXY. <i>Astrophysical Journal</i> , 2010 , 725, 1676-1681	4.7	28
52	Evidence of a population of dark subhaloes from Gaia and Pan-STARRS observations of the GD-1 stream. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 2364-2380	4.3	26
51	CHEMICAL ABUNDANCES IN A SAMPLE OF RED GIANTS IN THE OPEN CLUSTER NGC 2420 FROM APOGEE. <i>Astrophysical Journal</i> , 2016 , 830, 35	4.7	25
50	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	8	24
49	The dimensionality of stellar chemical space using spectra from the Apache Point Observatory Galactic Evolution Experiment. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 1410-1425	4.3	23
48	THE NATURE AND ORBIT OF THE OPHIUCHUS STREAM. <i>Astrophysical Journal</i> , 2015 , 809, 59	4.7	23
47	Galactic rotation from Cepheids with Gaia DR2 and effects of non-axisymmetry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 40-51	4.3	22
46	The Hercules stream as seen by APOGEE-2 South. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 474, 95-101	4.3	22

45	The orbital anisotropy profiles of nearby globular clusters from Gaia Data Release 2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 3693-3701	4-3	21
44	The Transparency of Galaxy Clusters. <i>Astrophysical Journal</i> , 2008 , 688, 198-207	4-7	20
43	Searching for the GD-1 stream progenitor in GaiaDR2 with direct N-body simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 485, 5929-5938	4-3	19
42	Constraining the Galactic potential via action-based distribution functions for mono-abundance stellar populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013 , 434, 652-660	4-3	18
41	LOW-MASS SUPPRESSION OF THE SATELLITE LUMINOSITY FUNCTION DUE TO THE SUPERSONIC BARYON-COLD-DARK-MATTER RELATIVE VELOCITY. <i>Astrophysical Journal</i> , 2013 , 768, 70	4-7	18
40	Absolute Magnitudes of Seismic Red Clumps in the Kepler Field and SAGA: The Age Dependency of the Distance Scale. <i>Astrophysical Journal</i> , 2017 , 840, 77	4-7	17
39	Improving Gaia Parallax Precision with a Data-driven Model of Stars. <i>Astronomical Journal</i> , 2018 , 156, 145	4-9	17
38	The Proper Motion of Pyxis: The First Use of Adaptive Optics in Tandem with HST on a Faint Halo Object. <i>Astrophysical Journal</i> , 2017 , 840, 30	4-7	15
37	Did Sgr cause the vertical waves in the solar neighbourhood?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 503, 376-393	4-3	15
36	ACTION-BASED DYNAMICAL MODELING FOR THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2016 , 830, 97	4-7	14
35	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	4-3	14
34	Blind chemical tagging with DBSCAN: prospects for spectroscopic surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 871-886	4-3	13
33	Connection between a possible fifth force and the direct detection of dark matter. <i>Physical Review Letters</i> , 2009 , 102, 101301	7-4	13
32	DYNAMICAL INFERENCE FROM A KINEMATIC SNAPSHOT: THE FORCE LAW IN THE SOLAR SYSTEM. <i>Astrophysical Journal</i> , 2010 , 711, 1157-1167	4-7	12
31	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	4-3	12
30	An extended Pal 5 stream in Gaia DR2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 4978-4986	4-3	11
29	Made-to-measure modelling of observed galaxy dynamics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 2288-2303	4-3	11
28	High-resolution simulations of dark matter subhalo disruption in a Milky-Way-like tidal field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 116-128	4-3	9

27	DETECTION OF A DEARTH OF STARS WITH ZERO ANGULAR MOMENTUM IN THE SOLAR NEIGHBORHOOD. <i>Astrophysical Journal Letters</i> , 2016 , 832, L25	7.9	9
26	The effects of dwarf galaxies on the orbital evolution of galactic globular clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 499, 804-813	4.3	9
25	Don't cross the streams: caustics from fuzzy dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021 , 2021, 076	6.4	9
24	Action-based Dynamical Modeling for the Milky Way Disk: The Influence of Spiral Arms. <i>Astrophysical Journal</i> , 2017 , 839, 61	4.7	8
23	ESTIMATING BLACK HOLE MASSES IN HUNDREDS OF QUASARS. <i>Astrophysical Journal</i> , 2015 , 801, 45	4.7	8
22	Novel constraints on the particle nature of dark matter from stellar streams. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021 , 2021, 043	6.4	7
21	Searching for solar siblings in APOGEE and Gaia DR2 with N-body simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 2268-2279	4.3	7
20	Strong lensing signatures of self-interacting dark matter in low-mass haloes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 2432-2447	4.3	7
19	Exploring the Sgr Milky Way Disk Interaction Using High-resolution N-body Simulations. <i>Astrophysical Journal</i> , 2022 , 927, 131	4.7	7
18	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	4.3	6
17	The Origin of the 300 km s ⁻¹ Stream near Segue 1. <i>Astrophysical Journal</i> , 2018 , 866, 42	4.7	5
16	Modelling the Effects of Dark Matter Substructure on Globular Cluster Evolution with the Tidal Approximation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 ,	4.3	3
15	Spherical harmonics analysis of Fermi gamma-ray data and the Galactic dark matter halo. <i>Physical Review D</i> , 2011 , 84,	4.9	3
14	The building blocks of the Milky Way halo using APOGEE and Gaia or Is the Galaxy a typical galaxy?. <i>Proceedings of the International Astronomical Union</i> , 2019 , 14, 170-173	0.1	3
13	Testing the chemical homogeneity of chemically tagged dissolved birth clusters. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	3
12	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	4.9	3
11	The Ophiuchus stream progenitor: a new type of globular cluster and its possible Sagittarius connection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 492, 4164-4174	4.3	2
10	The kinematic properties of Milky Way stellar halo populations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 510, 5119-5141	4.3	2

9	Constraining the Small-Scale Clustering of Dark Matter with Stellar Streams. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2019 , 9-18	0.3	1
8	On N-body simulations of globular cluster streams. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 648-653	4.3	1
7	The structure of accreted stellar streams. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 511, 2339-2348	4.3	0
6	Functional Data Analysis for Extracting the Intrinsic Dimensionality of Spectra: Application to Chemical Homogeneity in the Open Cluster M67. <i>Astrophysical Journal</i> , 2022 , 926, 51	4.7	0
5	The primordial matter power spectrum on sub-galactic scales. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 512, 3163-3188	4.3	0
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