Jo Bovy

List of Publications by Year in Descending Order

152 papers	22,405 citations	71 h-index	149 g-index
155 ext. papers	25,847 ext. citations	4.9 avg, IF	7.03 L-index

#	Paper	IF	Citations
152	The structure of accreted stellar streams. *Monthly Notices of the Royal Astronomical Society*, **2022**, 511, 2339-2348	4.3	0
151	Functional Data Analysis for Extracting the Intrinsic Dimensionality of Spectra: Application to Chemical Homogeneity in the Open Cluster M67. *Astrophysical Journal*, **2022**, 926, 51	4.7	0
150	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	8	24
149	Exploring the Sgr–Milky Way–Disk Interaction Using High-resolution N-body Simulations. *Astrophysical Journal*, **2022**, 927, 131	4.7	7
148	The primordial matter power spectrum on sub-galactic scales. *Monthly Notices of the Royal Astronomical Society*, **2022**, 512, 3163-3188	4.3	0
147	The kinematic properties of Milky Way stellar halo populations. *Monthly Notices of the Royal Astronomical Society*, **2022**, 510, 5119-5141	4.3	2
146	Novel constraints on the particle nature of dark matter from stellar streams. *Journal of Cosmology and Astroparticle Physics*, **2021**, 2021, 043	6.4	7
145	On N-body simulations of globular cluster streams. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 648-653	4.3	1
144	Don't cross the streams: caustics from fuzzy dark matter. *Journal of Cosmology and Astroparticle Physics*, **2021**, 2021, 076	6.4	9
143	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,	4.9	145
142	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	4.3	26
141	Did Sgr cause the vertical waves in the solar neighbourhood?. *Monthly Notices of the Royal Astronomical Society*, **2021**, 503, 376-393	4.3	15
140	Strong lensing signatures of self-interacting dark matter in low-mass haloes. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 2432-2447	4.3	7
139	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. *Astronomical Journal*, **2021**, 162, 302	4.9	3
138	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	4.3	9
137	An extended Pal 5 stream in Gaia DR2. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 4978-4986	4.3	11
136	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	4.3	2

135	The Gaia DR2 parallax zero-point: hierarchical modelling of red clump stars. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 4367-4381	4.3	37
134	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	8	363
133	Weighing the stellar constituents of the galactic halo with APOGEE red giant stars. *Monthly Notices of the Royal Astronomical Society*, **2020**, 492, 3631-3646	4.3	36
132	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	4.9	120
131	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	4.3	12
130	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	4.3	14
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	4.3	9
128	Searching for solar siblings in APOGEE and Gaia DR2 with N-body simulations. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 2268-2279	4.3	7
127	Blind chemical tagging with DBSCAN: prospects for spectroscopic surveys. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 871-886	4.3	13
126	The orbital anisotropy profiles of nearby globular clusters from Gaia Data Release 2. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 3693-3701	4.3	21
125	Vertical waves in the solar neighbourhood in Gaia DR2. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 1417-1425	4.3	114
124	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	8	214
123	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	4.7	38
122	Effects of baryonic and dark matter substructure on the Pal 5 stream. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 2009-2020	4.3	37
121	Searching for the GD-1 stream progenitor inGaiaDR2 with directN-body simulations. *Monthly Notices of the Royal Astronomical Society*, **2019**, 485, 5929-5938	4.3	19
120	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	4.3	78
119	Modelling the Effects of Dark Matter Substructure on Globular Cluster Evolution with the Tidal Approximation. *Monthly Notices of the Royal Astronomical Society*, **2019**,	4.3	3
118	Dynamical heating across the Milky Way disc using APOGEE and Gaia. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 176-195	4.3	67

117	Signatures of resonance and phase mixing in the Galactic disc. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 1026-1043	4.3	31
116	Life in the fast lane: a direct view of the dynamics, formation, and evolution of the Milky Way□ bar. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 4740-4747	4.3	70
115	Constraining the Small-Scale Clustering of Dark Matter with Stellar Streams. *Thirty Years of Astronomical Discovery With UKIRT*, **2019**, 9-18	0.3	1
114	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	0.1	3
113	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	4.3	126
112	Galactic rotation from Cepheids with Gaia DR2 and effects of non-axisymmetry. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 40-51	4.3	22
111	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	4.3	23
110	The Bulge Metallicity Distribution from the APOGEE Survey. *Astrophysical Journal*, **2018**, 852, 91	4.7	29
109	Stellar Multiplicity Meets Stellar Evolution and Metallicity: The APOGEE View. *Astrophysical Journal*, **2018**, 854, 147	4.7	64
108	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	8	657
107	Deep learning of multi-element abundances from high-resolution spectroscopic data. *Monthly Notices of the Royal Astronomical Society*, **2018**,	4.3	65
106	Probing the nature of dark matter particles with stellar streams. *Journal of Cosmology and Astroparticle Physics*, **2018**, 2018, 061-061	6.4	30
105	Improving Gaia Parallax Precision with a Data-driven Model of Stars. *Astronomical Journal*, **2018**, 156, 145	4.9	17
104	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	4.3	40
103	Transient spiral structure and the disc velocity substructure in Gaia DR2. *Monthly Notices of the Royal Astronomical Society*, **2018**, 481, 3794-3803	4.3	54
102	Fast Estimation of Orbital Parameters in Milky Way-like Potentials. *Publications of the Astronomical Society of the Pacific*, **2018**, 130, 114501	5	32
101	Age-resolved chemistry of red giants in the solar neighbourhood. *Monthly Notices of the Royal Astronomical Society*, **2018**, 477, 2326-2348	4.3	36
100	The Origin of the 300 km s□ Stream near Segue 1. *Astrophysical Journal*, **2018**, 866, 42	4.7	5

99	APOGEE Data Releases 13 and 14: Data and Analysis. *Astronomical Journal*, **2018**, 156, 125	4.9	170
98	Made-to-measure modelling of observed galaxy dynamics. *Monthly Notices of the Royal Astronomical Society*, **2018**, 473, 2288-2303	4.3	11
97	The Hercules stream as seen by APOGEE-2 South. *Monthly Notices of the Royal Astronomical Society*, **2018**, 474, 95-101	4.3	22
96	Action-based Dynamical Modeling for the Milky Way Disk: The Influence of Spiral Arms. *Astrophysical Journal*, **2017**, 839, 61	4.7	8
95	Absolute Magnitudes of Seismic Red Clumps in theKeplerField and SAGA: The Age Dependency of the Distance Scale. *Astrophysical Journal*, **2017**, 840, 77	4.7	17
94	The Proper Motion of Pyxis: The First Use of Adaptive Optics in Tandem withHSTon a Faint Halo Object. *Astrophysical Journal*, **2017**, 840, 30	4.7	15
93	Target Selection for the SDSS-IV APOGEE-2 Survey. *Astronomical Journal*, **2017**, 154, 198	4.9	146
92	Stellar inventory of the solar neighbourhood using Gaia DR1. *Monthly Notices of the Royal Astronomical Society*, **2017**, 470, 1360-1387	4.3	80
91	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	0.1	
90	The age-metallicity structure of the Milky Way disc with APOGEE. *Proceedings of the International Astronomical Union*, **2017**, 13, 265-268	0.1	
89	The age–metallicity structure of the Milky Way disc using APOGEE. *Monthly Notices of the Royal Astronomical Society*, **2017**, 471, 3057-3078	4.3	93
88	Galactic rotation in Gaia DR1. *Monthly Notices of the Royal Astronomical Society: Letters*, **2017**, 468, L63-L67	4.3	81
87	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	8	284
86	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. *Astronomical Journal*, **2017**, 154, 28	4.9	733
85	Linear perturbation theory for tidal streams and the small-scale CDM power spectrum. *Monthly Notices of the Royal Astronomical Society*, **2017**, 466, 628-668	4.3	73
84	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	4.3	6
83	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	4.3	46
82	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). *Astronomical Journal*, **2017**, 154, 94	4.9	713

81	The Sloan Digital Sky Survey Quasar Catalog: Twelfth data release. *Astronomy and Astrophysics*, **2017**, 597, A79	5.1	287
80	THE CHEMICAL HOMOGENEITY OF OPEN CLUSTERS. *Astrophysical Journal*, **2016**, 817, 49	4.7	87
79	DETERMINING AGES OF APOGEE GIANTS WITH KNOWN DISTANCES. *Astrophysical Journal*, **2016**, 817, 40	4.7	41
78	DETECTION OF A DEARTH OF STARS WITH ZERO ANGULAR MOMENTUM IN THE SOLAR NEIGHBORHOOD. *Astrophysical Journal Letters*, **2016**, 832, L25	7.9	9
77	Detecting the Disruption of Dark-Matter Halos with Stellar Streams. *Physical Review Letters*, **2016**, 116, 121301	7.4	29
76	ACTION-BASED DYNAMICAL MODELING FOR THE MILKY WAY DISK. *Astrophysical Journal*, **2016**, 830, 97	4.7	14
75	THE SHAPE OF THE INNER MILKY WAY HALO FROM OBSERVATIONS OF THE PAL 5 AND GD STELLAR STREAMS. *Astrophysical Journal*, **2016**, 833, 31	4.7	95
74	The number and size of subhalo-induced gaps in stellar streams. *Monthly Notices of the Royal Astronomical Society*, **2016**, 463, 102-119	4.3	98
73	ON GALACTIC DENSITY MODELING IN THE PRESENCE OF DUST EXTINCTION. *Astrophysical Journal*, **2016**, 818, 130	4.7	129
72	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: OVERVIEW AND EARLY DATA. *Astronomical Journal*, **2016**, 151, 44	4.9	415
71	Dynamics of streamubhalo interactions. *Monthly Notices of the Royal Astronomical Society*, **2016**, 457, 3817-3835	4.3	42
70	THE STELLAR POPULATION STRUCTURE OF THE GALACTIC DISK. *Astrophysical Journal*, **2016**, 823, 30	4.7	138
69	ASPCAP: THE APOGEE STELLAR PARAMETER AND CHEMICAL ABUNDANCES PIPELINE. *Astronomical Journal*, **2016**, 151, 144	4.9	376
68	CHEMICAL ABUNDANCES IN A SAMPLE OF RED GIANTS IN THE OPEN CLUSTER NGC 2420 FROM APOGEE. *Astrophysical Journal*, **2016**, 830, 35	4.7	25
67	CHEMICAL CARTOGRAPHY WITH APOGEE: METALLICITY DISTRIBUTION FUNCTIONS AND THE CHEMICAL STRUCTURE OF THE MILKY WAY DISK. *Astrophysical Journal*, **2015**, 808, 132	4.7	360
66	Spiral- and bar-driven peculiar velocities in Milky Way-sized galaxy simulations. *Monthly Notices of the Royal Astronomical Society*, **2015**, 453, 1867-1878	4.3	33
65	THE RADIAL PROFILE AND FLATTENING OF THE MILKY WAY STELLAR HALO TO 80 kpc FROM THE SEGUE K-GIANT SURVEY. *Astrophysical Journal*, **2015**, 809, 144	4.7	82
64	EXPLORING ANTICORRELATIONS AND LIGHT ELEMENT VARIATIONS IN NORTHERN GLOBULAR CLUSTERS OBSERVED BY THE APOGEE SURVEY. *Astronomical Journal*, **2015**, 149, 153	4.9	119

63	THE ELEVENTH AND TWELFTH DATA RELEASES OF THE SLOAN DIGITAL SKY SURVEY: FINAL DATA FROM SDSS-III. *Astrophysical Journal, Supplement Series*, **2015**, 219, 12	8	1504
62	THE SDSS-IV EXTENDED BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION. *Astrophysical Journal, Supplement Series*, **2015**, 221, 27	8	124
61	Cosmological implications of baryon acoustic oscillation measurements. *Physical Review D*, **2015**, 92,	4.9	376
60	ABUNDANCES, STELLAR PARAMETERS, AND SPECTRA FROM THE SDSS-III/APOGEE SURVEY. *Astronomical Journal*, **2015**, 150, 148	4.9	292
59	THE NATURE AND ORBIT OF THE OPHIUCHUS STREAM. *Astrophysical Journal*, **2015**, 809, 59	4.7	23
58	Baryon acoustic oscillations in the Ly forest of BOSS DR11 quasars. *Astronomy and Astrophysics*, **2015**, 574, A59	5.1	524
57	ESTIMATING BLACK HOLE MASSES IN HUNDREDS OF QUASARS. *Astrophysical Journal*, **2015**, 801, 45	4.7	8
56	Young enriched giant stars in the solar neighbourhood. *Monthly Notices of the Royal Astronomical Society*, **2015**, 451, 2230-2243	4.3	106
55	Quasar probabilities and redshifts fromWISEmid-IR throughGALEXUV photometry. *Monthly Notices of the Royal Astronomical Society*, **2015**, 452, 3124-3138	4.3	39
54	THE POWER SPECTRUM OF THE MILKY WAY: VELOCITY FLUCTUATIONS IN THE GALACTIC DISK. *Astrophysical Journal*, **2015**, 800, 83	4.7	62
53	galpy: A python LIBRARY FOR GALACTIC DYNAMICS. *Astrophysical Journal, Supplement Series*, **2015**, 216, 29	8	616
52	DYNAMICAL MODELING OF TIDAL STREAMS. *Astrophysical Journal*, **2014**, 795, 95	4.7	76
51	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	8	760
50	THE APOKASC CATALOG: AN ASTEROSEISMIC AND SPECTROSCOPIC JOINT SURVEY OF TARGETS IN THE KEPLER FIELDS. *Astrophysical Journal, Supplement Series*, **2014**, 215, 19	8	230
49	Bayesian distances and extinctions for giants observed by Kepler and APOGEE. *Monthly Notices of the Royal Astronomical Society*, **2014**, 445, 2758-2776	4.3	119
48	THE MILKY WAY TOMOGRAPHY WITH SLOAN DIGITAL SKY SURVEY. V. MAPPING THE DARK MATTER HALO. *Astrophysical Journal*, **2014**, 794, 151	4.7	37
47	CHEMICAL CARTOGRAPHY WITH APOGEE: LARGE-SCALE MEAN METALLICITY MAPS OF THE MILKY WAY DISK. *Astronomical Journal*, **2014**, 147, 116	4.9	115
46	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	4.7	155

45	TRACING CHEMICAL EVOLUTION OVER THE EXTENT OF THE MILKY WAY'S DISK WITH APOGEE RED CLUMP STARS. *Astrophysical Journal*, **2014**, 796, 38	4.7	149
44	The Sloan Digital Sky Survey quasar catalog: tenth data release. *Astronomy and Astrophysics*, **2014**, 563, A54	5.1	182
43	What drives the evolution of the Milky Way's disk?. *EAS Publications Series*, **2014**, 67-68, 331-338	0.2	
42	The Milky Way stellar disk. *Astronomy and Astrophysics Review*, **2013**, 21, 1	28.8	172
41	Measurement of baryon acoustic oscillations in the Lyman- forest fluctuations in BOSS data release 9. *Journal of Cosmology and Astroparticle Physics*, **2013**, 2013, 026-026	6.4	157
40	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	4.3	18
39	MaGICC thick disc . Comparing a simulated disc formed with stellar feedback to the Milky Way. *Monthly Notices of the Royal Astronomical Society*, **2013**, 436, 625-634	4.3	94
38	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: THE QUASAR LUMINOSITY FUNCTION FROM DATA RELEASE NINE. *Astrophysical Journal*, **2013**, 773, 14	4.7	143
37	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. *Astronomical Journal*, **2013**, 145, 10	4.9	1280
36	LOW-MASS SUPPRESSION OF THE SATELLITE LUMINOSITY FUNCTION DUE TO THE SUPERSONIC BARYON-COLD-DARK-MATTER RELATIVE VELOCITY. *Astrophysical Journal*, **2013**, 768, 70	4.7	18
35	A DIRECT DYNAMICAL MEASUREMENT OF THE MILKY WAY'S DISK SURFACE DENSITY PROFILE, DISK SCALE LENGTH, AND DARK MATTER PROFILE AT 4 kpc ?R? 9 kpc. *Astrophysical Journal*, **2013**, 779, 115	4.7	340
34	QUASARS PROBING QUASARS. VI. EXCESS H I ABSORPTION WITHIN ONE PROPER Mpc OFz~ 2 QUASARS. *Astrophysical Journal*, **2013**, 776, 136	4.7	99
33	THE GRAVITATIONAL POTENTIAL NEAR THE SUN FROM SEGUE K-DWARF KINEMATICS. *Astrophysical Journal*, **2013**, 772, 108	4.7	100
32	THE STELLAR METALLICITY DISTRIBUTION FUNCTION OF THE GALACTIC HALO FROM SDSS PHOTOMETRY. *Astrophysical Journal*, **2013**, 763, 65	4.7	102
31	Constraining dynamical models with observational data. *Proceedings of the International Astronomical Union*, **2013**, 9, 185-194	0.1	
30	Baryon acoustic oscillations in the Ly forest of BOSS quasars. *Astronomy and Astrophysics*, **2013**, 552, A96	5.1	344
29	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	4.3	153
28	CARBON-ENHANCED METAL-POOR STARS IN THE INNER AND OUTER HALO COMPONENTS OF THE MILKY WAY. *Astrophysical Journal*, **2012**, 744, 195	4.7	101

27	ON THE LOCAL DARK MATTER DENSITY. *Astrophysical Journal*, **2012**, 756, 89	4.7	234
26	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	8	1029
25	THE VERTICAL MOTIONS OF MONO-ABUNDANCE SUB-POPULATIONS IN THE MILKY WAY DISK. *Astrophysical Journal*, **2012**, 755, 115	4.7	89
24	THE MILKY WAY HAS NO DISTINCT THICK DISK. *Astrophysical Journal*, **2012**, 751, 131	4.7	217
23	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION FOR DATA RELEASE NINE. *Astrophysical Journal, Supplement Series*, **2012**, 199, 3	8	223
22	The Sloan Digital Sky Survey quasar catalog: ninth data release. *Astronomy and Astrophysics*, **2012**, 548, A66	5.1	217
21	THE COLOR VARIABILITY OF QUASARS. *Astrophysical Journal*, **2012**, 744, 147	4.7	72
20	THE SPATIAL STRUCTURE OF MONO-ABUNDANCE SUB-POPULATIONS OF THE MILKY WAY DISK. *Astrophysical Journal*, **2012**, 753, 148	4.7	303
19	THE MILKY WAY'S CIRCULAR-VELOCITY CURVE BETWEEN 4 AND 14 kpc FROM APOGEE DATA. *Astrophysical Journal*, **2012**, 759, 131	4.7	271
18	PHOTOMETRIC REDSHIFTS AND QUASAR PROBABILITIES FROM A SINGLE, DATA-DRIVEN GENERATIVE MODEL. *Astrophysical Journal*, **2012**, 749, 41	4.7	92
17	SDSS-III: MASSIVE SPECTROSCOPIC SURVEYS OF THE DISTANT UNIVERSE, THE MILKY WAY, AND EXTRA-SOLAR PLANETARY SYSTEMS. *Astronomical Journal*, **2011**, 142, 72	4.9	1438
16	Extreme deconvolution: Inferring complete distribution functions from noisy, heterogeneous and incomplete observations. *Annals of Applied Statistics*, **2011**, 5,	2.1	99
15	THINK OUTSIDE THE COLOR BOX: PROBABILISTIC TARGET SELECTION AND THESDSS-XDQSOQUASAR TARGETING CATALOG. *Astrophysical Journal*, **2011**, 729, 141	4.7	161
14	Spherical harmonics analysis of Fermi gamma-ray data and the Galactic dark matter halo. *Physical Review D*, **2011**, 84,	4.9	3
13	THE EIGHTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY: FIRST DATA FROM SDSS-III. *Astrophysical Journal, Supplement Series*, **2011**, 193, 29	8	1063
12	DYNAMICAL INFERENCE FROM A KINEMATIC SNAPSHOT: THE FORCE LAW IN THE SOLAR SYSTEM. *Astrophysical Journal*, **2010**, 711, 1157-1167	4.7	12
11	THE VELOCITY DISTRIBUTION OF NEARBY STARS FROMHIPPARCOSDATA. II. THE NATURE OF THE LOW-VELOCITY MOVING GROUPS. *Astrophysical Journal*, **2010**, 717, 617-639	4.7	45
10	TRACING THE HERCULES STREAM AROUND THE GALAXY. *Astrophysical Journal*, **2010**, 725, 1676-1681	4.7	28

9	INFERRING THE ECCENTRICITY DISTRIBUTION. *Astrophysical Journal*, **2010**, 725, 2166-2175	4.7	140
8	COSMIC TRANSPARENCY: A TEST WITH THE BARYON ACOUSTIC FEATURE AND TYPE Ia SUPERNOVAE. *Astrophysical Journal*, **2009**, 696, 1727-1732	4.7	50
7	Connection between a possible fifth force and the direct detection of dark matter. *Physical Review Letters*, **2009**, 102, 101301	7.4	13
6	Substructure boosts to dark matter annihilation from Sommerfeld enhancement. *Physical Review D*, **2009**, 79,	4.9	41
5	THE VELOCITY DISTRIBUTION OF NEARBY STARS FROMHIPPARCOSDATA. I. THE SIGNIFICANCE OF THE MOVING GROUPS. *Astrophysical Journal*, **2009**, 700, 1794-1819	4.7	52
4	GALACTIC MASERS AND THE MILKY WAY CIRCULAR VELOCITY. *Astrophysical Journal*, **2009**, 704, 1704-1709	4.7	136
3	The Transparency of Galaxy Clusters. *Astrophysical Journal*, **2008**, 688, 198-207	4.7	20
2	Script N = 1,2 supersymmetric vacua of IIA supergravity and SU(2) structures. *Journal of High Energy Physics*, **2005**, 2005, 056-056	5.4	29
1	Testing the chemical homogeneity of chemically tagged dissolved birth clusters. *Monthly Notices of the Royal Astronomical Society*,	4.3	3