

# David W Hogg

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8553847/publications.pdf>

Version: 2024-02-01

231  
papers

67,046  
citations

2669

95  
h-index

1216

227  
g-index

233  
all docs

233  
docs citations

233  
times ranked

21778  
citing authors

#	ARTICLE	IF	CITATIONS
1	<a href="#">emcee</a> : The MCMC Hammer. Publications of the Astronomical Society of the Pacific, 2013, 125, 306-312.	1.0	7,999
2	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2009, 182, 543-558.	3.0	4,201
3	Detection of the Baryon Acoustic Peak in the Large-Scale Correlation Function of SDSS Luminous Red Galaxies. Astrophysical Journal, 2005, 633, 560-574.	1.6	3,564
4	Cosmological parameters from SDSS and WMAP. Physical Review D, 2004, 69, .	1.6	3,121
5	Binary Companions of Evolved Stars in APOGEE DR14: Search Method and Catalog of $\sim 1/4$ 5000 Companions. Astronomical Journal, 2018, 156, 18.	1.9	2,267
6	Sloan Digital Sky Survey: Early Data Release. Astronomical Journal, 2002, 123, 485-548.	1.9	2,003
7	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
8	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
9	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. Astronomical Journal, 2013, 145, 10.	1.9	1,571
10	The Three-Dimensional Power Spectrum of Galaxies from the Sloan Digital Sky Survey. Astrophysical Journal, 2004, 606, 702-740.	1.6	1,426
11	The Sixth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2008, 175, 297-313.	3.0	1,202
12	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
13	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
14	Cosmological constraints from the SDSS luminous red galaxies. Physical Review D, 2006, 74, .	1.6	1,132
15	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	1.9	1,100
16	New York University Value-Added Galaxy Catalog: A Galaxy Catalog Based on New Public Surveys. Astronomical Journal, 2005, 129, 2562-2578.	1.9	989
17	The Second Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2004, 128, 502-512.	1.9	953
18	The Fourth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2006, 162, 38-48.	3.0	948

#	ARTICLE	IF	CITATIONS
19	The Galaxy Luminosity Function and Luminosity Density at Redshift $z=0.1$ . <i>Astrophysical Journal</i> , 2003, 592, 819-838.	1.6	898
20	Spectroscopic Target Selection for the Sloan Digital Sky Survey: The Luminous Red Galaxy Sample. <i>Astronomical Journal</i> , 2001, 122, 2267-2280.	1.9	856
21	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.	3.0	826
22	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.	3.0	820
23	The First Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2003, 126, 2081-2086.	1.9	800
24	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.	3.0	796
25	ASTROMETRY.NET: BLIND ASTROMETRIC CALIBRATION OF ARBITRARY ASTRONOMICAL IMAGES. <i>Astronomical Journal</i> , 2010, 139, 1782-1800.	1.9	682
26	A Photometricity and Extinction Monitor at the Apache Point Observatory. <i>Astronomical Journal</i> , 2001, 122, 2129-2138.	1.9	642
27	The Broadband Optical Properties of Galaxies with Redshifts $0.02 \leq z \leq 0.22$ . <i>Astrophysical Journal</i> , 2003, 594, 186-207.	1.6	637
28	The Third Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2005, 129, 1755-1759.	1.9	634
29	The Fifth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2007, 172, 634-644.	3.0	615
30	The Luminosity Function of Galaxies in SDSS Commissioning Data. <i>Astronomical Journal</i> , 2001, 121, 2358-2380.	1.9	545
31	Relationship between Environment and the Broadband Optical Properties of Galaxies in the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2005, 629, 143-157.	1.6	513
32	An Improved Photometric Calibration of the Sloan Digital Sky Survey Imaging Data. <i>Astrophysical Journal</i> , 2008, 674, 1217-1233.	1.6	496
33	Estimating Fixed-Frame Galaxy Magnitudes in the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2003, 125, 2348-2360.	1.9	457
34	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.	3.0	406
35	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.	3.0	405
36	Fast Direct Methods for Gaussian Processes. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016, 38, 252-265.	9.7	397

#	ARTICLE	IF	CITATIONS
37	The Sloan Digital Sky Survey Quasar Catalog. IV. Fifth Data Release. <i>Astronomical Journal</i> , 2007, 134, 102-117.	1.9	394
38	A New Milky Way Dwarf Galaxy in Ursa Major. <i>Astrophysical Journal</i> , 2005, 626, L85-L88.	1.6	389
39	The Dependence on Environment of the Color-Magnitude Relation of Galaxies. <i>Astrophysical Journal</i> , 2004, 601, L29-L32.	1.6	372
40	The Accretion Origin of the Milky Way's Stellar Halo. <i>Astrophysical Journal</i> , 2008, 680, 295-311.	1.6	359
41	THE SPATIAL STRUCTURE OF MONO-ABUNDANCE SUB-POPULATIONS OF THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2012, 753, 148.	1.6	341
42	CONSTRAINING THE MILKY WAY POTENTIAL WITH A SIX-DIMENSIONAL PHASE-SPACE MAP OF THE GD-1 STELLAR STREAM. <i>Astrophysical Journal</i> , 2010, 712, 260-273.	1.6	329
43	THE MILKY WAY'S CIRCULAR-VELOCITY CURVE BETWEEN 4 AND 14 kpc FROM APOGEE DATA. <i>Astrophysical Journal</i> , 2012, 759, 131.	1.6	325
44	Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. <i>Astrophysical Journal</i> , Supplement Series, 2006, 167, 1-25.	3.0	311
45	A New Milky Way Companion: Unusual Globular Cluster or Extreme Dwarf Satellite?. <i>Astronomical Journal</i> , 2005, 129, 2692-2700.	1.9	303
46	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</i> , Supplement Series, 2019, 240, 23.	3.0	299
47	Early-Type Galaxies in the Sloan Digital Sky Survey. III. The Fundamental Plane. <i>Astronomical Journal</i> , 2003, 125, 1866-1881.	1.9	296
48	The clustering of luminous red galaxies in the Sloan Digital Sky Survey imaging data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 378, 852-872.	1.6	295
49	Caltech Faint Galaxy Redshift Survey. X. A Redshift Survey in the Region of the Hubble Deep Field North. <i>Astrophysical Journal</i> , 2000, 538, 29-52.	1.6	294
50	THE CANNON: A DATA-DRIVEN APPROACH TO STELLAR LABEL DETERMINATION. <i>Astrophysical Journal</i> , 2015, 808, 16.	1.6	284
51	THE DUAL ORIGIN OF STELLAR HALOS. <i>Astrophysical Journal</i> , 2009, 702, 1058-1067.	1.6	265
52	The Overdensities of Galaxy Environments as a Function of Luminosity and Color. <i>Astrophysical Journal</i> , 2003, 585, L5-L9.	1.6	264
53	State of the Field: Extreme Precision Radial Velocities. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 066001.	1.0	253
54	THE PRISM MULTI-OBJECT SURVEY (PRIMUS). I. SURVEY OVERVIEW AND CHARACTERISTICS. <i>Astrophysical Journal</i> , 2011, 741, 8.	1.6	247

#	ARTICLE	IF	CITATIONS
55	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION FOR DATA RELEASE NINE. <i>Astrophysical Journal, Supplement Series</i> , 2012, 199, 3.	3.0	246
56	THE MILKY WAY HAS NO DISTINCT THICK DISK. <i>Astrophysical Journal</i> , 2012, 751, 131.	1.6	246
57	EXOPLANET POPULATION INFERENCE AND THE ABUNDANCE OF EARTH ANALOGS FROM NOISY, INCOMPLETE CATALOGS. <i>Astrophysical Journal</i> , 2014, 795, 64.	1.6	241
58	Early-type Galaxies in the Sloan Digital Sky Survey. II. Correlations between Observables. <i>Astronomical Journal</i> , 2003, 125, 1849-1865.	1.9	240
59	The Circular Velocity Curve of the Milky Way from 5 to 25 kpc. <i>Astrophysical Journal</i> , 2019, 871, 120.	1.6	232
60	Early-Type Galaxies in the Sloan Digital Sky Survey. I. The Sample. <i>Astronomical Journal</i> , 2003, 125, 1817-1848.	1.9	226
61	SDSS-IV/MaNGA: SPECTROPHOTOMETRIC CALIBRATION TECHNIQUE. <i>Astronomical Journal</i> , 2016, 151, 8.	1.9	223
62	Galaxy Number Counts from the Sloan Digital Sky Survey Commissioning Data. <i>Astronomical Journal</i> , 2001, 122, 1104-1124.	1.9	216
63	Cosmic Homogeneity Demonstrated with Luminous Red Galaxies. <i>Astrophysical Journal</i> , 2005, 624, 54-58.	1.6	205
64	The Intermediate-Scale Clustering of Luminous Red Galaxies. <i>Astrophysical Journal</i> , 2005, 621, 22-31.	1.6	179
65	INFERRING THE ECCENTRICITY DISTRIBUTION. <i>Astrophysical Journal</i> , 2010, 725, 2166-2175.	1.6	179
66	[ITAL]Hubble Space Telescope[/ITAL] and Palomar Imaging of GRB 990123: Implications for the Nature of Gamma-Ray Bursts and Their Hosts. <i>Astrophysical Journal</i> , 1999, 519, L13-L16.	1.6	174
67	THINK OUTSIDE THE COLOR BOX: PROBABILISTIC TARGET SELECTION AND THE SDSS-XDQSO QUASAR TARGETING CATALOG. <i>Astrophysical Journal</i> , 2011, 729, 141.	1.6	172
68	Data Analysis Recipes: Using Markov Chain Monte Carlo*. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 11.	3.0	170
69	SPECTROSCOPIC DETERMINATION OF MASSES (AND IMPLIED AGES) FOR RED GIANTS. <i>Astrophysical Journal</i> , 2016, 823, 114.	1.6	168
70	emcee v3: A Python ensemble sampling toolkit for affine-invariant MCMC. <i>Journal of Open Source Software</i> , 2019, 4, 1864.	2.0	162
71	GLOBULAR CLUSTER STREAMS AS GALACTIC HIGH-PRECISION SCALES—THE POSTER CHILD PALOMAR 5. <i>Astrophysical Journal</i> , 2015, 803, 80.	1.6	156
72	The OiiLuminosity Density of the Universe. <i>Astrophysical Journal</i> , 1998, 504, 622-628.	1.6	151

#	ARTICLE	IF	CITATIONS
73	STELLAR AND PLANETARY PROPERTIES OF <i>K2</i> CAMPAIGN 1 CANDIDATES AND VALIDATION OF 17 PLANETS, INCLUDING A PLANET RECEIVING EARTH-LIKE INSOLATION. <i>Astrophysical Journal</i> , 2015, 809, 25.	1.6	150
74	WISE PHOTOMETRY FOR 400 MILLION SDSS SOURCES. <i>Astronomical Journal</i> , 2016, 151, 36.	1.9	149
75	GALACTIC MASERS AND THE MILKY WAY CIRCULAR VELOCITY. <i>Astrophysical Journal</i> , 2009, 704, 1704-1709.	1.6	148
76	CLUMPY STREAMS FROM CLUMPY HALOS: DETECTING MISSING SATELLITES WITH COLD STELLAR STRUCTURES. <i>Astrophysical Journal</i> , 2011, 731, 58.	1.6	148
77	Ten Simple Rules for the Care and Feeding of Scientific Data. <i>PLoS Computational Biology</i> , 2014, 10, e1003542.	1.5	147
78	Selection and Photometric Properties of K+A Galaxies. <i>Astrophysical Journal</i> , 2004, 602, 190-199.	1.6	146
79	Very Small Scale Clustering and Merger Rate of Luminous Red Galaxies. <i>Astrophysical Journal</i> , 2006, 644, 54-60.	1.6	143
80	THE PRISM MULTI-OBJECT SURVEY (PRIMUS). II. DATA REDUCTION AND REDSHIFT FITTING. <i>Astrophysical Journal</i> , 2013, 767, 118.	1.6	141
81	The Sloan Digital Sky Survey Quasar Catalog. I. Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 567-577.	1.9	141
82	Redshift Clustering in the Hubble Deep Field. <i>Astrophysical Journal</i> , 1996, 471, L5-L9.	1.6	137
83	RECONNAISSANCE OF THE HR 8799 EXOSOLAR SYSTEM. I. NEAR-INFRARED SPECTROSCOPY. <i>Astrophysical Journal</i> , 2013, 768, 24.	1.6	131
84	Extreme deconvolution: Inferring complete distribution functions from noisy, heterogeneous and incomplete observations. <i>Annals of Applied Statistics</i> , 2011, 5, .	0.5	128
85	Comoving Stars in Gaia DR1: An Abundance of Very Wide Separation Comoving Pairs. <i>Astronomical Journal</i> , 2017, 153, 257.	1.9	128
86	A SYSTEMATIC SEARCH FOR TRANSITING PLANETS IN THE <i>K2</i> DATA. <i>Astrophysical Journal</i> , 2015, 806, 215.	1.6	123
87	GREAT3 results – I. Systematic errors in shear estimation and the impact of real galaxy morphology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 2963-3007.	1.6	119
88	The Joker: A Custom Monte Carlo Sampler for Binary-star and Exoplanet Radial Velocity Data. <i>Astrophysical Journal</i> , 2017, 837, 20.	1.6	118
89	The Spur and the Gap in GD-1: Dynamical Evidence for a Dark Substructure in the Milky Way Halo. <i>Astrophysical Journal</i> , 2019, 880, 38.	1.6	114
90	Measuring Radial Orbit Migration in the Galactic Disk. <i>Astrophysical Journal</i> , 2018, 865, 96.	1.6	106

#	ARTICLE	IF	CITATIONS
91	A SYSTEMATIC SEARCH FOR MASSIVE BLACK HOLE BINARIES IN THE SLOAN DIGITAL SKY SURVEY SPECTROSCOPIC SAMPLE. <i>Astrophysical Journal</i> , 2011, 738, 20.	1.6	105
92	CONSTRUCTING A FLEXIBLE LIKELIHOOD FUNCTION FOR SPECTROSCOPIC INFERENCE. <i>Astrophysical Journal</i> , 2015, 812, 128.	1.6	104
93	Average Spectra of Massive Galaxies in the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2003, 585, 694-713.	1.6	104
94	PHOTOMETRIC REDSHIFTS AND QUASAR PROBABILITIES FROM A SINGLE, DATA-DRIVEN GENERATIVE MODEL. <i>Astrophysical Journal</i> , 2012, 749, 41.	1.6	104
95	THE INTRINSIC PROPERTIES OF SDSS GALAXIES. <i>Astrophysical Journal</i> , 2009, 691, 394-406.	1.6	103
96	THE DUAL ORIGIN OF STELLAR HALOS. II. CHEMICAL ABUNDANCES AS TRACERS OF FORMATION HISTORY. <i>Astrophysical Journal</i> , 2010, 721, 738-743.	1.6	101
97	THE POPULATION OF LONG-PERIOD TRANSITING EXOPLANETS. <i>Astronomical Journal</i> , 2016, 152, 206.	1.9	96
98	THE VERTICAL MOTIONS OF MONO-ABUNDANCE SUB-POPULATIONS IN THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2012, 755, 115.	1.6	94
99	The Luminosity Density of Red Galaxies. <i>Astronomical Journal</i> , 2002, 124, 646-651.	1.9	93
100	A Maximum Likelihood Method to Improve Faint Source Flux and Color Estimates. <i>Publications of the Astronomical Society of the Pacific</i> , 1998, 110, 727-731.	1.0	91
101	A Blind Test of Photometric Redshift Prediction. <i>Astronomical Journal</i> , 1998, 115, 1418-1422.	1.9	89
102	Toward Precise Stellar Ages: Combining Isochrone Fitting with Empirical Gyrochronology. <i>Astronomical Journal</i> , 2019, 158, 173.	1.9	88
103	Confusion Errors in Astrometry and Counterpart Association. <i>Astronomical Journal</i> , 2001, 121, 1207-1213.	1.9	86
104	Label Transfer from APOGEE to LAMOST: Precise Stellar Parameters for 450,000 LAMOST Giants. <i>Astrophysical Journal</i> , 2017, 836, 5.	1.6	85
105	AGNfitter: A BAYESIAN MCMC APPROACH TO FITTING SPECTRAL ENERGY DISTRIBUTIONS OF AGNs. <i>Astrophysical Journal</i> , 2016, 833, 98.	1.6	84
106	The Faint Galaxy Hosts of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 1999, 520, 54-58.	1.6	83
107	Caltech Faint Galaxy Redshift Survey. XIV. Galaxy Morphology in the Hubble Deep Field (North) and Its Flanking Fields to $z=1.2$ . <i>Astronomical Journal</i> , 2000, 120, 2190-2205.	1.9	83
108	Discovery and characterization of 3000+ main-sequence binaries from APOGEE spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 528-553.	1.6	82

#	ARTICLE	IF	CITATIONS
109	THE COLOR VARIABILITY OF QUASARS. <i>Astrophysical Journal</i> , 2012, 744, 147.	1.6	81
110	The Scale Dependence of Relative Galaxy Bias: Encouragement for the "Halo Model" Description. <i>Astrophysical Journal</i> , 2006, 645, 977-985.	1.6	79
111	Campaign 9 of the <i>K2</i> Mission: Observational Parameters, Scientific Drivers, and Community Involvement for a Simultaneous Space- and Ground-based Microlensing Survey. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 124401.	1.0	79
112	Counts and colours of faint galaxies in the U and R bands. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 288, 404-410.	1.6	77
113	Kronos and Krios: Evidence for Accretion of a Massive, Rocky Planetary System in a Comoving Pair of Solar-type Stars. <i>Astrophysical Journal</i> , 2018, 854, 138.	1.6	74
114	Close Binary Companions to APOGEE DR16 Stars: 20,000 Binary-star Systems Across the Color-Magnitude Diagram. <i>Astrophysical Journal</i> , 2020, 895, 2.	1.6	74
115	Caltech Faint Galaxy Redshift Survey. XI. The Merger Rate to Redshift 1 from Kinematic Pairs. <i>Astrophysical Journal</i> , 2000, 532, L1-L4.	1.6	73
116	Sloan Digital Sky Survey Imaging of Low Galactic Latitude Fields: Technical Summary and Data Release. <i>Astronomical Journal</i> , 2004, 128, 2577-2592.	1.9	73
117	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. VIII. A WIDE-AREA, HIGH-RESOLUTION MAP OF DUST EXTINCTION IN M31. <i>Astrophysical Journal</i> , 2015, 814, 3.	1.6	72
118	MILKY WAY MASS AND POTENTIAL RECOVERY USING TIDAL STREAMS IN A REALISTIC HALO. <i>Astrophysical Journal</i> , 2014, 795, 94.	1.6	70
119	Interpreting the Relationship between Galaxy Luminosity, Color, and Environment. <i>Astrophysical Journal</i> , 2005, 629, 625-632.	1.6	69
120	AUTOMATED DETECTION OF GALAXY-SCALE GRAVITATIONAL LENSES IN HIGH-RESOLUTION IMAGING DATA. <i>Astrophysical Journal</i> , 2009, 694, 924-942.	1.6	68
121	AN AFFINE-INVARIANT SAMPLER FOR EXOPLANET FITTING AND DISCOVERY IN RADIAL VELOCITY DATA. <i>Astrophysical Journal</i> , 2012, 745, 198.	1.6	65
122	Galactic Doppelg�ngers: The Chemical Similarity Among Field Stars and Among Stars with a Common Birth Origin. <i>Astrophysical Journal</i> , 2018, 853, 198.	1.6	65
123	The Information Content in Cold Stellar Streams. <i>Astrophysical Journal</i> , 2018, 867, 101.	1.6	65
124	IGM CONSTRAINTS FROM THE SDSS-III/BOSS DR9 Ly� FOREST TRANSMISSION PROBABILITY DISTRIBUTION FUNCTION. <i>Astrophysical Journal</i> , 2015, 799, 196.	1.6	64
125	The RAVE-on Catalog of Stellar Atmospheric Parameters and Chemical Abundances for Chemo-dynamic Studies in the Gaia Era. <i>Astrophysical Journal</i> , 2017, 840, 59.	1.6	63
126	Modeling Complete Distributions with Incomplete Observations: The Velocity Ellipsoid from Hipparcos Data. <i>Astrophysical Journal</i> , 2005, 629, 268-275.	1.6	62



#	ARTICLE	IF	CITATIONS
127	CHEMICAL TAGGING CAN WORK: IDENTIFICATION OF STELLAR PHASE-SPACE STRUCTURES PURELY BY CHEMICAL-ABUNDANCE SIMILARITY. <i>Astrophysical Journal</i> , 2016, 833, 262.	1.6	61
128	STATISTICS OF GAMMA-RAY POINT SOURCES BELOW THE <i>FERMI</i> DETECTION LIMIT. <i>Astrophysical Journal</i> , 2011, 738, 181.	1.6	59
129	Tidal Interactions between Binary Stars Can Drive Lithium Production in Low-mass Red Giants. <i>Astrophysical Journal</i> , 2019, 880, 125.	1.6	59
130	THE HIGH-MASS STELLAR INITIAL MASS FUNCTION IN M31 CLUSTERS. <i>Astrophysical Journal</i> , 2015, 806, 198.	1.6	57
131	Chaotic dispersal of tidal debris. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1079-1098.	1.6	57
132	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.	1.6	56
133	Masses and Ages for 230,000 LAMOST Giants, via Their Carbon and Nitrogen Abundances. <i>Astrophysical Journal</i> , 2017, 841, 40.	1.6	55
134	THE VELOCITY DISTRIBUTION OF NEARBY STARS FROM <i>HIPPARCOS</i> DATA. I. THE SIGNIFICANCE OF THE MOVING GROUPS. <i>Astrophysical Journal</i> , 2009, 700, 1794-1819.	1.6	54
135	COSMIC TRANSPARENCY: A TEST WITH THE BARYON ACOUSTIC FEATURE AND TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2009, 696, 1727-1732.	1.6	54
136	FINDING, CHARACTERIZING, AND CLASSIFYING VARIABLE SOURCES IN MULTI-EPOCH SKY SURVEYS: QSOs AND RR LYRAE IN PS1 3i€ DATA. <i>Astrophysical Journal</i> , 2016, 817, 73.	1.6	53
137	STAR-GALAXY CLASSIFICATION IN MULTI-BAND OPTICAL IMAGING. <i>Astrophysical Journal</i> , 2012, 760, 15.	1.6	52
138	The Growth of Luminous Red Galaxies by Merging. <i>Astrophysical Journal</i> , 2008, 679, 260-268.	1.6	51
139	STELLAR POPULATION VARIATIONS IN THE MILKY WAY's STELLAR HALO. <i>Astronomical Journal</i> , 2010, 140, 1850-1859.	1.9	51
140	THE EXTREME SMALL SCALES: DO SATELLITE GALAXIES TRACE DARK MATTER?. <i>Astrophysical Journal</i> , 2012, 749, 83.	1.6	50
141	THE VELOCITY DISTRIBUTION OF NEARBY STARS FROM <i>HIPPARCOS</i> DATA. II. THE NATURE OF THE LOW-VELOCITY MOVING GROUPS. <i>Astrophysical Journal</i> , 2010, 717, 617-639.	1.6	48
142	Caltech Faint Galaxy Redshift Survey. VIII. Analysis of the Field J0053+1234. <i>Astrophysical Journal</i> , 1999, 512, 30-47.	1.6	47
143	Midâ€Infrared and Visible Photometry of Galaxies: Anomalous Low Polycyclic Aromatic Hydrocarbon Emission from Lowâ€Luminosity Galaxies. <i>Astrophysical Journal</i> , 2005, 624, 162-167.	1.6	47
144	What Triggers Galaxy Transformations? The Environments of Poststarburst Galaxies. <i>Astrophysical Journal</i> , 2006, 650, 763-769.	1.6	47

#	ARTICLE	IF	CITATIONS
145	INFERRING THE GRAVITATIONAL POTENTIAL OF THE MILKY WAY WITH A FEW PRECISELY MEASURED STARS. <i>Astrophysical Journal</i> , 2014, 794, 4.	1.6	46
146	A $14h^3 \text{Gpc}^3$ study of cosmic homogeneity using BOSS DR12 quasar sample. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 060-060.	1.9	46
147	ACTION-SPACE CLUSTERING OF TIDAL STREAMS TO INFER THE GALACTIC POTENTIAL. <i>Astrophysical Journal</i> , 2015, 801, 98.	1.6	44
148	A Causal, Data-driven Approach to Modeling the Kepler Data. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 094503.	1.0	44
149	The nature of massive black hole binary candidates I. Spectral properties and evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 1492-1504.	1.6	43
150	The kinematic origin of the cosmological redshift. <i>American Journal of Physics</i> , 2009, 77, 688-694.	0.3	42
151	Exploring cosmic homogeneity with the BOSS DR12 galaxy sample. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 019-019.	1.9	42
152	Approximate Bayesian computation in large-scale structure: constraining the galaxy-halo connection. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 2791-2805.	1.6	40
153	Hack weeks as a model for data science education and collaboration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8872-8877.	3.3	39
154	Caltech Faint Galaxy Redshift Survey. VII. Data Analysis Techniques and Redshifts in the Field J0053+1234. <i>Astrophysical Journal, Supplement Series</i> , 1999, 120, 171-178.	3.0	39
155	Modeling confounding by half-sibling regression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7391-7398.	3.3	38
156	WOBBLE: A Data-driven Analysis Technique for Time-series Stellar Spectra. <i>Astronomical Journal</i> , 2019, 158, 164.	1.9	38
157	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XV. THE BEAST: BAYESIAN EXTINCTION AND STELLAR TOOL*. <i>Astrophysical Journal</i> , 2016, 826, 104.	1.6	36
158	Spectrophotometric Parallaxes with Linear Models: Accurate Distances for Luminous Red-giant Stars. <i>Astronomical Journal</i> , 2019, 158, 147.	1.9	35
159	High-resolution Spectroscopy of the GD-1 Stellar Stream Localizes the Perturber near the Orbital Plane of Sagittarius. <i>Astrophysical Journal Letters</i> , 2020, 892, L37.	3.0	34
160	The Strength of the Dynamical Spiral Perturbation in the Galactic Disk. <i>Astrophysical Journal</i> , 2020, 900, 186.	1.6	34
161	Temperatures and Metallicities of M Dwarfs in the APOGEE Survey. <i>Astrophysical Journal</i> , 2020, 892, 31.	1.6	33
162	CLEANING THE USNO-B CATALOG THROUGH AUTOMATIC DETECTION OF OPTICAL ARTIFACTS. <i>Astronomical Journal</i> , 2008, 135, 414-422.	1.9	32

#	ARTICLE	IF	CITATIONS
163	Multiple Components of the Jhelum Stellar Stream. <i>Astrophysical Journal Letters</i> , 2019, 881, L37.	3.0	32
164	PROBABILISTIC CATALOGS FOR CROWDED STELLAR FIELDS. <i>Astronomical Journal</i> , 2013, 146, 7.	1.9	30
165	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. IV. A PROBABILISTIC APPROACH TO INFERRING THE HIGH-MASS STELLAR INITIAL MASS FUNCTION AND OTHER POWER-LAW FUNCTIONS. <i>Astrophysical Journal</i> , 2013, 762, 123.	1.6	29
166	HIERARCHICAL PROBABILISTIC INFERENCE OF COSMIC SHEAR. <i>Astrophysical Journal</i> , 2015, 807, 87.	1.6	29
167	Caltech Faint Galaxy Redshift Survey. IX. Source Detection and Photometry in the Hubble Deep Field Region. <i>Astrophysical Journal, Supplement Series</i> , 2000, 127, 1-9.	3.0	29
168	Mapping Stellar Surfaces. I. Degeneracies in the Rotational Light-curve Problem. <i>Astronomical Journal</i> , 2021, 162, 123.	1.9	28
169	A Candidate Gravitational Lens in the Hubble Deep Field. <i>Astrophysical Journal</i> , 1996, 467, L73-L75.	1.6	28
170	Data-driven, Interpretable Photometric Redshifts Trained on Heterogeneous and Unrepresentative Data. <i>Astrophysical Journal</i> , 2017, 838, 5.	1.6	27
171	The EXPRES Stellar Signals Project II. State of the Field in Disentangling Photospheric Velocities. <i>Astronomical Journal</i> , 2022, 163, 171.	1.9	27
172	Using machine learning to explore the long-term evolution of GRS 1915+105. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 466, 2364-2377.	1.6	26
173	Detection of the Milky Way spiral arms in dust from 3D mapping. <i>Astronomy and Astrophysics</i> , 2018, 618, A168.	2.1	26
174	Replacing Standard Galaxy Profiles with Mixtures of Gaussians. <i>Publications of the Astronomical Society of the Pacific</i> , 2013, 125, 719-730.	1.0	25
175	Precise Ages of Field Stars from White Dwarf Companions. <i>Astrophysical Journal</i> , 2019, 870, 9.	1.6	25
176	HYDROGEN EMISSION FROM THE IONIZED GASEOUS HALOS OF LOW-REDSHIFT GALAXIES. <i>Astrophysical Journal</i> , 2016, 833, 276.	1.6	24
177	CONSTRUCTING POLYNOMIAL SPECTRAL MODELS FOR STARS. <i>Astrophysical Journal Letters</i> , 2016, 826, L25.	3.0	24
178	Stellar Abundance Maps of the Milky Way Disk. <i>Astrophysical Journal</i> , 2022, 928, 23.	1.6	23
179	The Transparency of Galaxy Clusters. <i>Astrophysical Journal</i> , 2008, 688, 198-207.	1.6	21
180	A DATA-DRIVEN MODEL FOR SPECTRA: FINDING DOUBLE REDSHIFTS IN THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal</i> , 2012, 753, 122.	1.6	21

#	ARTICLE	IF	CITATIONS
181	A NEW APPROACH TO IDENTIFYING THE MOST POWERFUL GRAVITATIONAL LENSING TELESCOPES. <i>Astrophysical Journal</i> , 2013, 769, 52.	1.6	21
182	Near Infrared Imaging of the Hubble Deep Field with the Keck Telescope. <i>Astronomical Journal</i> , 1997, 113, 474.	1.9	21
183	<i>S4</i> : A SPATIAL-SPECTRAL MODEL FOR SPECKLE SUPPRESSION. <i>Astrophysical Journal</i> , 2014, 794, 161.	1.6	20
184	Selection Functions in Astronomical Data Modeling, with the Space Density of White Dwarfs as a Worked Example. <i>Astronomical Journal</i> , 2021, 162, 142.	1.9	20
185	Improving Gaia Parallax Precision with a Data-driven Model of Stars. <i>Astronomical Journal</i> , 2018, 156, 145.	1.9	19
186	Likelihood non-Gaussianity in large-scale structure analyses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 2956-2969.	1.6	18
187	Strong Redshift Clustering of Distant Galaxies. <i>Astrophysical Journal</i> , 1996, 462, L9-L12.	1.6	17
188	The Caltech Faint Galaxy Redshift Survey. XII. Clustering of Galaxies. <i>Astrophysical Journal</i> , 2000, 545, 32-42.	1.6	17
189	The unpopular Package: A Data-driven Approach to Detrending TESS Full-frame Image Light Curves. <i>Astronomical Journal</i> , 2022, 163, 284.	1.9	16
190	Hierarchical Modeling and Statistical Calibration for Photometric Redshifts. <i>Astrophysical Journal</i> , 2019, 881, 80.	1.6	14
191	The K2 Bright Star Survey. I. Methodology and Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 8.	3.0	14
192	The power of coordinate transformations in dynamical interpretations of Galactic structure. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 818-828.	1.6	14
193	DISSECTING MAGNETAR VARIABILITY WITH BAYESIAN HIERARCHICAL MODELS. <i>Astrophysical Journal</i> , 2015, 810, 66.	1.6	13
194	The Implications of Local Fluctuations in the Galactic Midplane for Dynamical Analysis in the Gaia Era. <i>Astrophysical Journal</i> , 2019, 883, 103.	1.6	13
195	Orbital Torus Imaging: Using Element Abundances to Map Orbits and Mass in the Milky Way. <i>Astrophysical Journal</i> , 2021, 910, 17.	1.6	13
196	Forward Modeling the Orbits of Companions to Pulsating Stars from Their Light Travel Time Variations. <i>Astronomical Journal</i> , 2020, 159, 202.	1.9	13
197	Snails across Scales: Local and Global Phase-mixing Structures as Probes of the Past and Future Milky Way. <i>Astrophysical Journal</i> , 2022, 928, 80.	1.6	13
198	DYNAMICAL INFERENCE FROM A KINEMATIC SNAPSHOT: THE FORCE LAW IN THE SOLAR SYSTEM. <i>Astrophysical Journal</i> , 2010, 711, 1157-1167.	1.6	12

#	ARTICLE	IF	CITATIONS
199	SEARCHING FOR COMETS ON THE WORLD WIDE WEB: THE ORBIT OF 17P/HOLMES FROM THE BEHAVIOR OF PHOTOGRAPHERS. <i>Astronomical Journal</i> , 2012, 144, 46.	1.9	12
200	Inferring Binary and Tertiary Stellar Populations in Photometric and Astrometric Surveys. <i>Astrophysical Journal</i> , 2018, 857, 114.	1.6	12
201	THE AROMATIC FEATURES IN VERY FAINT DWARF GALAXIES. <i>Astrophysical Journal</i> , 2011, 730, 111.	1.6	11
202	Foreground and Source of a Cluster of Ultra-High-Energy Cosmic Rays. <i>Astrophysical Journal</i> , 2006, 642, L89-L93.	1.6	10
203	Inference of Stellar Parameters from Brightness Variations. <i>Astrophysical Journal</i> , 2018, 866, 15.	1.6	10
204	Linear Models for Systematics and Nuisances. <i>Research Notes of the AAS</i> , 2017, 1, 7.	0.3	10
205	SYNMAG PHOTOMETRY: A FAST TOOL FOR CATALOG-LEVEL MATCHED COLORS OF EXTENDED SOURCES. <i>Astronomical Journal</i> , 2012, 144, 188.	1.9	9
206	GALAXY GROWTH BY MERGING IN THE NEARBY UNIVERSE. <i>Astrophysical Journal</i> , 2012, 759, 140.	1.6	9
207	The nature of massive black hole binary candidates â€” II. Spectral energy distribution atlas. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 316-332.	1.6	9
208	3 Micron Imaging of the Hubble Deep Field. <i>Astronomical Journal</i> , 2000, 119, 1519-1525.	1.9	9
209	Hubble Space Telescope STIS Observations of GRB 000301C: CCD Imaging and Near-Ultraviolet MAMA Spectroscopy. <i>Astrophysical Journal</i> , 2001, 556, 70-76.	1.6	9
210	A Possible Gravitational Lens in the Hubble Deep Field South. <i>Astrophysical Journal</i> , 1999, 513, L91-L94.	1.6	8
211	Hierarchical Probabilistic Inference of the Color-Magnitude Diagram and Shrinkage of Stellar Distance Uncertainties. <i>Astronomical Journal</i> , 2017, 154, 222.	1.9	8
212	MEASURING THE UNDETECTABLE: PROPER MOTIONS AND PARALLAXES OF VERY FAINT SOURCES. <i>Astronomical Journal</i> , 2009, 137, 4400-4411.	1.9	7
213	An Unsupervised Method for Identifying X-enriched Stars Directly from Spectra: Li in LAMOST. <i>Astrophysical Journal</i> , 2021, 908, 247.	1.6	7
214	An Ultraviolet-Optical Color-Metallicity Relation for Red Clump Stars Using GALEX and Gaia. <i>Astrophysical Journal</i> , 2019, 872, 95.	1.6	6
215	Fitting Very Flexible Models: Linear Regression With Large Numbers of Parameters. <i>Publications of the Astronomical Society of the Pacific</i> , 2021, 133, 093001.	1.0	6
216	ARE THE ULTRA-FAINT DWARF GALAXIES JUST CUSPS?. <i>Astrophysical Journal Letters</i> , 2011, 727, L14.	3.0	5

#	ARTICLE	IF	CITATIONS
217	Designing Imaging Surveys for a Retrospective Relative Photometric Calibration. Publications of the Astronomical Society of the Pacific, 2012, 124, 1219-1231.	1.0	5
218	How to Obtain the Redshift Distribution from Probabilistic Redshift Estimates. Astrophysical Journal, 2022, 928, 127.	1.6	5
219	What Bandwidth Do I Need for My Image?. Publications of the Astronomical Society of the Pacific, 2010, 122, 207-214.	1.0	4
220	Excalibur: A Nonparametric, Hierarchical Wavelength Calibration Method for a Precision Spectrograph. Astronomical Journal, 2021, 161, 80.	1.9	4
221	A Photographic Search for Satellites of Neptune. Icarus, 1994, 107, 304-310.	1.1	3
222	Maelstrom: A Python package for identifying companions to pulsating stars from their light travel time variations. Journal of Open Source Software, 2020, 5, 2125.	2.0	3
223	BLIND DATE: USING PROPER MOTIONS TO DETERMINE THE AGES OF HISTORICAL IMAGES. Astronomical Journal, 2008, 136, 1490-1501.	1.9	2
224	Astronomical imaging: The theory of everything. , 2008, , .		2
225	Action-space clustering of tidal streams to map the Galactic potential. Proceedings of the International Astronomical Union, 2013, 9, 207-212.	0.0	2
226	Two-point Statistics without Bins: A Continuous-function Generalization of the Correlation Function Estimator for Large-scale Structure. Astrophysical Journal, 2021, 909, 220.	1.6	2
227	Galaxy evolution with future wide-field space missions. New Astronomy Reviews, 2005, 49, 379-386.	5.2	1
228	Fitting Spectral Energy Distributions of AGN A Markov Chain Monte Carlo Approach. Proceedings of the International Astronomical Union, 2013, 9, 228-229.	0.0	0
229	Globular Cluster Streams as Galactic High-Precision Scales. Proceedings of the International Astronomical Union, 2015, 11, 140-144.	0.0	0
230	Dimensionality Reduction, Regularization, and Generalization in Overparameterized Regressions. SIAM Journal on Mathematics of Data Science, 2022, 4, 126-152.	1.0	0
231	<i>The Thresher</i>: Lucky imaging without the waste. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5372-5384.	1.6	0