

David W Hogg

List of Publications by Year in descending order

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231
papers

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233
docs citations

233
times ranked

21778
citing authors

#	ARTICLE	IF	CITATIONS
1	emcee : The MCMC Hammer. Publications of the Astronomical Society of the Pacific, 2013, 125, 306-312.	3.1	7,999
2	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2009, 182, 543-558.	7.7	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.	4.5	3,564
4	Cosmological parameters from SDSS and WMAP. Physical Review D, 2004, 69, .	4.7	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.	4.7	2,267
6	Sloan Digital Sky Survey: Early Data Release. Astronomical Journal, 2002, 123, 485-548.	4.7	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.	7.7	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.	4.7	1,700
9	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. Astronomical Journal, 2013, 145, 10.	4.7	1,571
10	The Three-Dimensional Power Spectrum of Galaxies from the Sloan Digital Sky Survey. Astrophysical Journal, 2004, 606, 702-740.	4.5	1,426
11	The Sixth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2008, 175, 297-313.	7.7	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.	7.7	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.	7.7	1,158
14	Cosmological constraints from the SDSS luminous red galaxies. Physical Review D, 2006, 74, .	4.7	1,132
15	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
16	New York University Value-Added Galaxy Catalog: A Galaxy Catalog Based on New Public Surveys. Astronomical Journal, 2005, 129, 2562-2578.	4.7	989
17	The Second Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2004, 128, 502-512.	4.7	953
18	The Fourth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2006, 162, 38-48.	7.7	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.	4.5	898
20	Spectroscopic Target Selection for the Sloan Digital Sky Survey: The Luminous Red Galaxy Sample. <i>Astronomical Journal</i> , 2001, 122, 2267-2280.	4.7	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.	7.7	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.	7.7	820
23	The First Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2003, 126, 2081-2086.	4.7	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.	7.7	796
25	ASTROMETRY.NET: BLIND ASTROMETRIC CALIBRATION OF ARBITRARY ASTRONOMICAL IMAGES. <i>Astronomical Journal</i> , 2010, 139, 1782-1800.	4.7	682
26	A Photometricity and Extinction Monitor at the Apache Point Observatory. <i>Astronomical Journal</i> , 2001, 122, 2129-2138.	4.7	642
27	The Broadband Optical Properties of Galaxies with Redshifts $0.02 < z < 0.22$. <i>Astrophysical Journal</i> , 2003, 594, 186-207.	4.5	637
28	The Third Data Release of the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2005, 129, 1755-1759.	4.7	634
29	The Fifth Data Release of the Sloan Digital Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2007, 172, 634-644.	7.7	615
30	The Luminosity Function of Galaxies in SDSS Commissioning Data. <i>Astronomical Journal</i> , 2001, 121, 2358-2380.	4.7	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.	4.5	513
32	An Improved Photometric Calibration of the Sloan Digital Sky Survey Imaging Data. <i>Astrophysical Journal</i> , 2008, 674, 1217-1233.	4.5	496
33	Estimating Fixed-Frame Galaxy Magnitudes in the Sloan Digital Sky Survey. <i>Astronomical Journal</i> , 2003, 125, 2348-2360.	4.7	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.	7.7	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.	7.7	405
36	Fast Direct Methods for Gaussian Processes. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2016, 38, 252-265.	13.9	397

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37	The Sloan Digital Sky Survey Quasar Catalog. IV. Fifth Data Release. <i>Astronomical Journal</i> , 2007, 134, 102-117.	4.7	394
38	A New Milky Way Dwarf Galaxy in Ursa Major. <i>Astrophysical Journal</i> , 2005, 626, L85-L88.	4.5	389
39	The Dependence on Environment of the Color-Magnitude Relation of Galaxies. <i>Astrophysical Journal</i> , 2004, 601, L29-L32.	4.5	372
40	The Accretion Origin of the Milky Way's Stellar Halo. <i>Astrophysical Journal</i> , 2008, 680, 295-311.	4.5	359
41	THE SPATIAL STRUCTURE OF MONO-ABUNDANCE SUB-POPULATIONS OF THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2012, 753, 148.	4.5	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.	4.5	329
43	THE MILKY WAY'S CIRCULAR-VELOCITY CURVE BETWEEN 4 AND 14 kpc FROM APOGEE DATA. <i>Astrophysical Journal</i> , 2012, 759, 131.	4.5	325
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.	7.7	311
45	A New Milky Way Companion: Unusual Globular Cluster or Extreme Dwarf Satellite?. <i>Astronomical Journal</i> , 2005, 129, 2692-2700.	4.7	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.	7.7	299
47	Early-Type Galaxies in the Sloan Digital Sky Survey. III. The Fundamental Plane. <i>Astronomical Journal</i> , 2003, 125, 1866-1881.	4.7	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.	4.4	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.	4.5	294
50	THE CANNON: A DATA-DRIVEN APPROACH TO STELLAR LABEL DETERMINATION. <i>Astrophysical Journal</i> , 2015, 808, 16.	4.5	284
51	THE DUAL ORIGIN OF STELLAR HALOS. <i>Astrophysical Journal</i> , 2009, 702, 1058-1067.	4.5	265
52	The Overdensities of Galaxy Environments as a Function of Luminosity and Color. <i>Astrophysical Journal</i> , 2003, 585, L5-L9.	4.5	264
53	State of the Field: Extreme Precision Radial Velocities. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 066001.	3.1	253
54	THE PRISM MULTI-OBJECT SURVEY (PRIMUS). I. SURVEY OVERVIEW AND CHARACTERISTICS. <i>Astrophysical Journal</i> , 2011, 741, 8.	4.5	247

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55	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION FOR DATA RELEASE NINE. <i>Astrophysical Journal, Supplement Series</i> , 2012, 199, 3.	7.7	246
56	THE MILKY WAY HAS NO DISTINCT THICK DISK. <i>Astrophysical Journal</i> , 2012, 751, 131.	4.5	246
57	EXOPLANET POPULATION INFERENCE AND THE ABUNDANCE OF EARTH ANALOGS FROM NOISY, INCOMPLETE CATALOGS. <i>Astrophysical Journal</i> , 2014, 795, 64.	4.5	241
58	Early-type Galaxies in the Sloan Digital Sky Survey. II. Correlations between Observables. <i>Astronomical Journal</i> , 2003, 125, 1849-1865.	4.7	240
59	The Circular Velocity Curve of the Milky Way from 5 to 25 kpc. <i>Astrophysical Journal</i> , 2019, 871, 120.	4.5	232
60	Early-Type Galaxies in the Sloan Digital Sky Survey. I. The Sample. <i>Astronomical Journal</i> , 2003, 125, 1817-1848.	4.7	226
61	SDSS-IV/MaNGA: SPECTROPHOTOMETRIC CALIBRATION TECHNIQUE. <i>Astronomical Journal</i> , 2016, 151, 8.	4.7	223
62	Galaxy Number Counts from the Sloan Digital Sky Survey Commissioning Data. <i>Astronomical Journal</i> , 2001, 122, 1104-1124.	4.7	216
63	Cosmic Homogeneity Demonstrated with Luminous Red Galaxies. <i>Astrophysical Journal</i> , 2005, 624, 54-58.	4.5	205
64	The Intermediate-Scale Clustering of Luminous Red Galaxies. <i>Astrophysical Journal</i> , 2005, 621, 22-31.	4.5	179
65	INFERRING THE ECCENTRICITY DISTRIBUTION. <i>Astrophysical Journal</i> , 2010, 725, 2166-2175.	4.5	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.	4.5	174
67	THINK OUTSIDE THE COLOR BOX: PROBABILISTIC TARGET SELECTION AND THE SDSS-XDQSO QUASAR TARGETING CATALOG. <i>Astrophysical Journal</i> , 2011, 729, 141.	4.5	172
68	Data Analysis Recipes: Using Markov Chain Monte Carlo*. <i>Astrophysical Journal, Supplement Series</i> , 2018, 236, 11.	7.7	170
69	SPECTROSCOPIC DETERMINATION OF MASSES (AND IMPLIED AGES) FOR RED GIANTS. <i>Astrophysical Journal</i> , 2016, 823, 114.	4.5	168
70	emcee v3: A Python ensemble sampling toolkit for affine-invariant MCMC. <i>Journal of Open Source Software</i> , 2019, 4, 1864.	4.6	162
71	GLOBULAR CLUSTER STREAMS AS GALACTIC HIGH-PRECISION SCALES—THE POSTER CHILD PALOMAR 5. <i>Astrophysical Journal</i> , 2015, 803, 80.	4.5	156
72	The OiiLuminosity Density of the Universe. <i>Astrophysical Journal</i> , 1998, 504, 622-628.	4.5	151

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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.	4.5	150
74	WISE PHOTOMETRY FOR 400 MILLION SDSS SOURCES. <i>Astronomical Journal</i> , 2016, 151, 36.	4.7	149
75	GALACTIC MASERS AND THE MILKY WAY CIRCULAR VELOCITY. <i>Astrophysical Journal</i> , 2009, 704, 1704-1709.	4.5	148
76	CLUMPY STREAMS FROM CLUMPY HALOS: DETECTING MISSING SATELLITES WITH COLD STELLAR STRUCTURES. <i>Astrophysical Journal</i> , 2011, 731, 58.	4.5	148
77	Ten Simple Rules for the Care and Feeding of Scientific Data. <i>PLoS Computational Biology</i> , 2014, 10, e1003542.	3.2	147
78	Selection and Photometric Properties of K+A Galaxies. <i>Astrophysical Journal</i> , 2004, 602, 190-199.	4.5	146
79	Very Small Scale Clustering and Merger Rate of Luminous Red Galaxies. <i>Astrophysical Journal</i> , 2006, 644, 54-60.	4.5	143
80	THE PRISM MULTI-OBJECT SURVEY (PRIMUS). II. DATA REDUCTION AND REDSHIFT FITTING. <i>Astrophysical Journal</i> , 2013, 767, 118.	4.5	141
81	The Sloan Digital Sky Survey Quasar Catalog. I. Early Data Release. <i>Astronomical Journal</i> , 2002, 123, 567-577.	4.7	141
82	Redshift Clustering in the Hubble Deep Field. <i>Astrophysical Journal</i> , 1996, 471, L5-L9.	4.5	137
83	RECONNAISSANCE OF THE HR 8799 EXOSOLAR SYSTEM. I. NEAR-INFRARED SPECTROSCOPY. <i>Astrophysical Journal</i> , 2013, 768, 24.	4.5	131
84	Extreme deconvolution: Inferring complete distribution functions from noisy, heterogeneous and incomplete observations. <i>Annals of Applied Statistics</i> , 2011, 5, .	1.1	128
85	Comoving Stars in Gaia DR1: An Abundance of Very Wide Separation Comoving Pairs. <i>Astronomical Journal</i> , 2017, 153, 257.	4.7	128
86	A SYSTEMATIC SEARCH FOR TRANSITING PLANETS IN THE <i>K2</i> DATA. <i>Astrophysical Journal</i> , 2015, 806, 215.	4.5	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.	4.4	119
88	The Joker: A Custom Monte Carlo Sampler for Binary-star and Exoplanet Radial Velocity Data. <i>Astrophysical Journal</i> , 2017, 837, 20.	4.5	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.	4.5	114
90	Measuring Radial Orbit Migration in the Galactic Disk. <i>Astrophysical Journal</i> , 2018, 865, 96.	4.5	106

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91	A SYSTEMATIC SEARCH FOR MASSIVE BLACK HOLE BINARIES IN THE SLOAN DIGITAL SKY SURVEY SPECTROSCOPIC SAMPLE. <i>Astrophysical Journal</i> , 2011, 738, 20.	4.5	105
92	CONSTRUCTING A FLEXIBLE LIKELIHOOD FUNCTION FOR SPECTROSCOPIC INFERENCE. <i>Astrophysical Journal</i> , 2015, 812, 128.	4.5	104
93	Average Spectra of Massive Galaxies in the Sloan Digital Sky Survey. <i>Astrophysical Journal</i> , 2003, 585, 694-713.	4.5	104
94	PHOTOMETRIC REDSHIFTS AND QUASAR PROBABILITIES FROM A SINGLE, DATA-DRIVEN GENERATIVE MODEL. <i>Astrophysical Journal</i> , 2012, 749, 41.	4.5	104
95	THE INTRINSIC PROPERTIES OF SDSS GALAXIES. <i>Astrophysical Journal</i> , 2009, 691, 394-406.	4.5	103
96	THE DUAL ORIGIN OF STELLAR HALOS. II. CHEMICAL ABUNDANCES AS TRACERS OF FORMATION HISTORY. <i>Astrophysical Journal</i> , 2010, 721, 738-743.	4.5	101
97	THE POPULATION OF LONG-PERIOD TRANSITING EXOPLANETS. <i>Astronomical Journal</i> , 2016, 152, 206.	4.7	96
98	THE VERTICAL MOTIONS OF MONO-ABUNDANCE SUB-POPULATIONS IN THE MILKY WAY DISK. <i>Astrophysical Journal</i> , 2012, 755, 115.	4.5	94
99	The Luminosity Density of Red Galaxies. <i>Astronomical Journal</i> , 2002, 124, 646-651.	4.7	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.	3.1	91
101	A Blind Test of Photometric Redshift Prediction. <i>Astronomical Journal</i> , 1998, 115, 1418-1422.	4.7	89
102	Toward Precise Stellar Ages: Combining Isochrone Fitting with Empirical Gyrochronology. <i>Astronomical Journal</i> , 2019, 158, 173.	4.7	88
103	Confusion Errors in Astrometry and Counterpart Association. <i>Astronomical Journal</i> , 2001, 121, 1207-1213.	4.7	86
104	Label Transfer from APOGEE to LAMOST: Precise Stellar Parameters for 450,000 LAMOST Giants. <i>Astrophysical Journal</i> , 2017, 836, 5.	4.5	85
105	AGNfitter: A BAYESIAN MCMC APPROACH TO FITTING SPECTRAL ENERGY DISTRIBUTIONS OF AGNs. <i>Astrophysical Journal</i> , 2016, 833, 98.	4.5	84
106	The Faint Galaxy Hosts of Gamma-Ray Bursts. <i>Astrophysical Journal</i> , 1999, 520, 54-58.	4.5	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.	4.7	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.	4.4	82

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109	THE COLOR VARIABILITY OF QUASARS. <i>Astrophysical Journal</i> , 2012, 744, 147.	4.5	81
110	The Scale Dependence of Relative Galaxy Bias: Encouragement for the "Halo Model" Description. <i>Astrophysical Journal</i> , 2006, 645, 977-985.	4.5	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.	3.1	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.	4.4	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.	4.5	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.	4.5	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.	4.5	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.	4.7	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.	4.5	72
118	MILKY WAY MASS AND POTENTIAL RECOVERY USING TIDAL STREAMS IN A REALISTIC HALO. <i>Astrophysical Journal</i> , 2014, 795, 94.	4.5	70
119	Interpreting the Relationship between Galaxy Luminosity, Color, and Environment. <i>Astrophysical Journal</i> , 2005, 629, 625-632.	4.5	69
120	AUTOMATED DETECTION OF GALAXY-SCALE GRAVITATIONAL LENSES IN HIGH-RESOLUTION IMAGING DATA. <i>Astrophysical Journal</i> , 2009, 694, 924-942.	4.5	68
121	AN AFFINE-INVARIANT SAMPLER FOR EXOPLANET FITTING AND DISCOVERY IN RADIAL VELOCITY DATA. <i>Astrophysical Journal</i> , 2012, 745, 198.	4.5	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.	4.5	65
123	The Information Content in Cold Stellar Streams. <i>Astrophysical Journal</i> , 2018, 867, 101.	4.5	65
124	IGM CONSTRAINTS FROM THE SDSS-III/BOSS DR9 Ly \pm FOREST TRANSMISSION PROBABILITY DISTRIBUTION FUNCTION. <i>Astrophysical Journal</i> , 2015, 799, 196.	4.5	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.	4.5	63
126	Modeling Complete Distributions with Incomplete Observations: The Velocity Ellipsoid from Hipparcos Data. <i>Astrophysical Journal</i> , 2005, 629, 268-275.	4.5	62

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127	CHEMICAL TAGGING CAN WORK: IDENTIFICATION OF STELLAR PHASE-SPACE STRUCTURES PURELY BY CHEMICAL-ABUNDANCE SIMILARITY. <i>Astrophysical Journal</i> , 2016, 833, 262.	4.5	61
128	STATISTICS OF GAMMA-RAY POINT SOURCES BELOW THE <i>FERMI</i> DETECTION LIMIT. <i>Astrophysical Journal</i> , 2011, 738, 181.	4.5	59
129	Tidal Interactions between Binary Stars Can Drive Lithium Production in Low-mass Red Giants. <i>Astrophysical Journal</i> , 2019, 880, 125.	4.5	59
130	THE HIGH-MASS STELLAR INITIAL MASS FUNCTION IN M31 CLUSTERS. <i>Astrophysical Journal</i> , 2015, 806, 198.	4.5	57
131	Chaotic dispersal of tidal debris. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 1079-1098.	4.4	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.	4.4	56
133	Masses and Ages for 230,000 LAMOST Giants, via Their Carbon and Nitrogen Abundances. <i>Astrophysical Journal</i> , 2017, 841, 40.	4.5	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.	4.5	54
135	COSMIC TRANSPARENCY: A TEST WITH THE BARYON ACOUSTIC FEATURE AND TYPE Ia SUPERNOVAE. <i>Astrophysical Journal</i> , 2009, 696, 1727-1732.	4.5	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.	4.5	53
137	STAR-GALAXY CLASSIFICATION IN MULTI-BAND OPTICAL IMAGING. <i>Astrophysical Journal</i> , 2012, 760, 15.	4.5	52
138	The Growth of Luminous Red Galaxies by Merging. <i>Astrophysical Journal</i> , 2008, 679, 260-268.	4.5	51
139	STELLAR POPULATION VARIATIONS IN THE MILKY WAY's STELLAR HALO. <i>Astronomical Journal</i> , 2010, 140, 1850-1859.	4.7	51
140	THE EXTREME SMALL SCALES: DO SATELLITE GALAXIES TRACE DARK MATTER?. <i>Astrophysical Journal</i> , 2012, 749, 83.	4.5	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.	4.5	48
142	Caltech Faint Galaxy Redshift Survey. VIII. Analysis of the Field J0053+1234. <i>Astrophysical Journal</i> , 1999, 512, 30-47.	4.5	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.	4.5	47
144	What Triggers Galaxy Transformations? The Environments of Poststarburst Galaxies. <i>Astrophysical Journal</i> , 2006, 650, 763-769.	4.5	47

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145	INFERRING THE GRAVITATIONAL POTENTIAL OF THE MILKY WAY WITH A FEW PRECISELY MEASURED STARS. <i>Astrophysical Journal</i> , 2014, 794, 4.	4.5	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.	5.4	46
147	ACTION-SPACE CLUSTERING OF TIDAL STREAMS TO INFER THE GALACTIC POTENTIAL. <i>Astrophysical Journal</i> , 2015, 801, 98.	4.5	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.	3.1	44
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