David W Hogg

List of Publications by Year
in descending order

231 papers	67,046 citations	2675 95 h-index	1222 227 g-index
233 all docs	233 docs citations	233 times ranked	21778 citing authors

#	Article	IF	Citations
1	Dimensionality Reduction, Regularization, and Generalization in Overparameterized Regressions. SIAM Journal on Mathematics of Data Science, 2022, 4, 126-152.	1.8	0
2	The Thresher: Lucky imaging without the waste. Monthly Notices of the Royal Astronomical Society, 2022, 511, 5372-5384.	4.4	0
3	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.	7.7	405
4	Snails across Scales: Local and Global Phase-mixing Structures as Probes of the Past and Future Milky Way. Astrophysical Journal, 2022, 928, 80.	4.5	13
5	Stellar Abundance Maps of the Milky Way Disk. Astrophysical Journal, 2022, 928, 23.	4.5	23
6	The EXPRES Stellar Signals Project II. State of the Field in Disentangling Photospheric Velocities. Astronomical Journal, 2022, 163, 171.	4.7	27
7	How to Obtain the Redshift Distribution from Probabilistic Redshift Estimates. Astrophysical Journal, 2022, 928, 127.	4.5	5
8	The unpopular Package: A Data-driven Approach to Detrending TESS Full-frame Image Light Curves. Astronomical Journal, 2022, 163, 284.	4.7	16
9	Excalibur: A Nonparametric, Hierarchical Wavelength Calibration Method for a Precision Spectrograph. Astronomical Journal, 2021, 161, 80.	4.7	4
10	An Unsupervised Method for Identifying X-enriched Stars Directly from Spectra: Li in LAMOST. Astrophysical Journal, 2021, 908, 247.	4.5	7
11	Two-point Statistics without Bins: A Continuous-function Generalization of the Correlation Function Estimator for Large-scale Structure. Astrophysical Journal, 2021, 909, 220.	4.5	2
12	Orbital Torus Imaging: Using Element Abundances to Map Orbits and Mass in the Milky Way. Astrophysical Journal, 2021, 910, 17.	4.5	13
13	Mapping Stellar Surfaces. I. Degeneracies in the Rotational Light-curve Problem. Astronomical Journal, 2021, 162, 123.	4.7	28
14	Selection Functions in Astronomical Data Modeling, with the Space Density of White Dwarfs as a Worked Example. Astronomical Journal, 2021, 162, 142.	4.7	20
15	Fitting Very Flexible Models: Linear Regression With Large Numbers of Parameters. Publications of the Astronomical Society of the Pacific, 2021, 133, 093001.	3.1	6
16	The power of coordinate transformations in dynamical interpretations of Galactic structure. Monthly Notices of the Royal Astronomical Society, 2020, 497, 818-828.	4.4	14
17	Close Binary Companions to APOGEE DR16 Stars: 20,000 Binary-star Systems Across the Colorâ€“Magnitude Diagram. Astrophysical Journal, 2020, 895, 2.	4.5	74
18	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.	7.7	826

#	Article	IF	Citations
19	High-resolution Spectroscopy of the GD-1 Stellar Stream Localizes the Perturber near the Orbital Plane of Sagittarius. Astrophysical Journal Letters, 2020, 892, L37.	8.3	34
20	Maelstrom: A Python package for identifying companions to pulsating stars from their light travel time variations. Journal of Open Source Software, 2020, 5, 2125.	4.6	3
21	Forward Modeling the Orbits of Companions to Pulsating Stars from Their Light Travel Time Variations. Astronomical Journal, 2020, 159, 202.	4.7	13
22	Temperatures and Metallicities of M Dwarfs in the APOGEE Survey. Astrophysical Journal, 2020, 892, 31.	4.5	33
23	The Strength of the Dynamical Spiral Perturbation in the Galactic Disk. Astrophysical Journal, 2020, 900, 186.	4.5	34
24	The Spur and the Gap in GD-1: Dynamical Evidence for a Dark Substructure in the Milky Way Halo. Astrophysical Journal, 2019, 880, 38.	4.5	114
25	Toward Precise Stellar Ages: Combining Isochrone Fitting with Empirical Gyrochronology. Astronomical Journal, 2019, 158, 173.	4.7	88
26	Spectrophotometric Parallaxes with Linear Models: Accurate Distances for Luminous Red-giant Stars. Astronomical Journal, 2019, 158, 147.	4.7	35
27	<tt>WOBBLE</tt>: A Data-driven Analysis Technique for Time-series Stellar Spectra. Astronomical Journal, 2019, 158, 164.	4.7	38
28	Tidal Interactions between Binary Stars Can Drive Lithium Production in Low-mass Red Giants. Astrophysical Journal, 2019, 880, 125.	4.5	59
29	The Implications of Local Fluctuations in the Galactic Midplane for Dynamical Analysis in the Gaia Era. Astrophysical Journal, 2019, 883, 103.	4.5	13
30	Precise Ages of Field Stars from White Dwarf Companions. Astrophysical Journal, 2019, 870, 9.	4.5	25
31	An Ultravioletâ€“Optical Colorâ€“Metallicity Relation for Red Clump Stars Using GALEX and Gaia. Astrophysical Journal, 2019, 872, 95.	4.5	6
32	Likelihood non-Gaussianity in large-scale structure analyses. Monthly Notices of the Royal Astronomical Society, 2019, 485, 2956-2969.	4.4	18
33	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.	7.7	299
34	The Circular Velocity Curve of the Milky Way from 5 to 25 kpc. Astrophysical Journal, 2019, 871, 120.	4.5	232
35	Hierarchical Modeling and Statistical Calibration for Photometric Redshifts. Astrophysical Journal, 2019, 881, 80.	4.5	14
36	The K2 Bright Star Survey. I. Methodology and Data Release. Astrophysical Journal, Supplement Series, 2019, 245, 8.	7.7	14

#	Article	IF	Citations
37	emcee v3: A Python ensemble sampling toolkit for affine-invariant MCMC. Journal of Open Source Software, 2019, 4, 1864.	4.6	162
38	Multiple Components of the Jhelum Stellar Stream. Astrophysical Journal Letters, 2019, 881, L37.	8.3	32
39	Kronos and Krios: Evidence for Accretion of a Massive, Rocky Planetary System in a Comoving Pair of Solar-type Stars. Astrophysical Journal, 2018, 854, 138.	4.5	74
40	Inferring Binary and Trinary Stellar Populations in Photometric and Astrometric Surveys. Astrophysical Journal, 2018, 857, 114.	4.5	12
41	Galactic DoppelgÃngers: The Chemical Similarity Among Field Stars and Among Stars with a Common Birth Origin. Astrophysical Journal, 2018, 853, 198.	4.5	65
42	Binary Companions of Evolved Stars in APOGEE DR14: Search Method and Catalog of â^¼5000 Companions. Astronomical Journal, 2018, 156, 18.	4.7	2,267
43	The Information Content in Cold Stellar Streams. Astrophysical Journal, 2018, 867, 101.	4.5	65
44	Inference of Stellar Parameters from Brightness Variations. Astrophysical Journal, 2018, 866, 15.	4.5	10
45	Improving Gaia Parallax Precision with a Data-driven Model of Stars. Astronomical Journal, 2018, 156, 145.	4.7	19
46	Measuring Radial Orbit Migration in the Galactic Disk. Astrophysical Journal, 2018, 865, 96.	4.5	106
47	Detection of the Milky Way spiral arms in dust from 3D mapping. Astronomy and Astrophysics, 2018, 618, A168.	5.1	26
48	Hack weeks as a model for data science education and collaboration. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8872-8877.	7.1	39
49	Data Analysis Recipes: Using Markov Chain Monte Carlo*. Astrophysical Journal, Supplement Series, 2018, 236, 11.	7.7	170
50	Discovery and characterization of 3000+ main-sequence binaries from APOGEE spectra. Monthly Notices of the Royal Astronomical Society, 2018, 476, 528-553.	4.4	82
51	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.	7.7	796
52	Label Transfer from APOGEE to LAMOST: Precise Stellar Parameters for 450,000 LAMOST Giants. Astrophysical Journal, 2017, 836, 5.	4.5	85
53	The Joker: A Custom Monte Carlo Sampler for Binary-star and Exoplanet Radial Velocity Data. Astrophysical Journal, 2017, 837, 20.	4.5	118
54	The RAVE-on Catalog of Stellar Atmospheric Parameters and Chemical Abundances for Chemo-dynamic Studies in the Gaia Era. Astrophysical Journal, 2017, 840, 59.	4.5	63

#	Article	IF	Citations
55	Comoving Stars in Gaia DR1: An Abundance of Very Wide Separation Comoving Pairs. Astronomical Journal, 2017, 153, 257.	4.7	128
56	Exploring cosmic homogeneity with the BOSS DR12 galaxy sample. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 019-019.	5.4	42
57	Masses and Ages for 230,000 LAMOST Giants, via Their Carbon and Nitrogen Abundances. Astrophysical Journal, 2017, 841, 40.	4.5	55
58	Data-driven, Interpretable Photometric Redshifts Trained on Heterogeneous and Unrepresentative Data. Astrophysical Journal, 2017, 838, 5.	4.5	27
59	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.	7.7	406
60	Sloan Digital Sky Survey IV: Mapping the Milky Way, Nearby Galaxies, and the Distant Universe. Astronomical Journal, 2017, 154, 28.	4.7	1,100
61	Using machine learning to explore the long-term evolution of GRS 1915+105. Monthly Notices of the Royal Astronomical Society, 2017, 466, 2364-2377.	4.4	26
62	Hierarchical Probabilistic Inference of the Colorâ€“Magnitude Diagram and Shrinkage of Stellar Distance Uncertainties. Astronomical Journal, 2017, 154, 222.	4.7	8
63	Approximate Bayesian computation in large-scale structure: constraining the galaxyâ€“halo connection. Monthly Notices of the Royal Astronomical Society, 2017, 469, 2791-2805.	4.4	40
64	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.	4.4	56
65	Linear Models for Systematics and Nuisances. Research Notes of the AAS, 2017, 1, 7.	0.7	10
66	A Causal, Data-driven Approach to Modeling theKeplerData. Publications of the Astronomical Society of the Pacific, 2016, 128, 094503.	3.1	44
67	Modeling confounding by half-sibling regression. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7391-7398.	7.1	38
68	WISE PHOTOMETRY FOR 400 MILLION SDSS SOURCES. Astronomical Journal, 2016, 151, 36.	4.7	149
69	THE POPULATION OF LONG-PERIOD TRANSITING EXOPLANETS. Astronomical Journal, 2016, 152, 206.	4.7	96
70	A 14h^{â^'3}Gpc³study of cosmic homogeneity using BOSS DR12 quasar sample. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 060-060.	5.4	46
71	AGNfitter: A BAYESIAN MCMC APPROACH TO FITTING SPECTRAL ENERGY DISTRIBUTIONS OF AGNs. Astrophysical Journal, 2016, 833, 98.	4.5	84
72	Campaign 9 of theK2Mission: Observational Parameters, Scientific Drivers, and Community Involvement for a Simultaneous Space- and Ground-based Microlensing Survey. Publications of the Astronomical Society of the Pacific, 2016, 128, 124401.	3.1	79

#	Article	IF	Citations
73	HYDROGEN EMISSION FROM THE IONIZED GASEOUS HALOS OF LOW-REDSHIFT GALAXIES. Astrophysical Journal, 2016, 833, 276.	4.5	24
74	CHEMICAL TAGGING CAN WORK: IDENTIFICATION OF STELLAR PHASE-SPACE STRUCTURES PURELY BY CHEMICAL-ABUNDANCE SIMILARITY. Astrophysical Journal, 2016, 833, 262.	4.5	61
75	Chaotic dispersal of tidal debris. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1079-1098.	4.4	57
76	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. XV. THE BEAST: BAYESIAN EXTINCTION AND STELLAR TOOL*. Astrophysical Journal, 2016, 826, 104.	4.5	36
77	CONSTRUCTING POLYNOMIAL SPECTRAL MODELS FOR STARS. Astrophysical Journal Letters, 2016, 826, L25.	8.3	24
78	SPECTROSCOPIC DETERMINATION OF MASSES (AND IMPLIED AGES) FOR RED GIANTS. Astrophysical Journal, 2016, 823, 114.	4.5	168
79	State of the Field: Extreme Precision Radial Velocities. Publications of the Astronomical Society of the Pacific, 2016, 128, 066001.	3.1	253
80	Fast Direct Methods for Gaussian Processes. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 252-265.	13.9	397
81	FINDING, CHARACTERIZING, AND CLASSIFYING VARIABLE SOURCES IN MULTI-EPOCH SKY SURVEYS: QSOs AND RR LYRAE IN PS1 3Ï€ DATA. Astrophysical Journal, 2016, 817, 73.	4.5	53
82	SDSS-IV/MaNGA: SPECTROPHOTOMETRIC CALIBRATION TECHNIQUE. Astronomical Journal, 2016, 151, 8.	4.7	223
83	Globular Cluster Streams as Galactic High-Precision Scales. Proceedings of the International Astronomical Union, 2015, 11, 140-144.	0.0	0
84	CONSTRUCTING A FLEXIBLE LIKELIHOOD FUNCTION FOR SPECTROSCOPIC INFERENCE. Astrophysical Journal, 2015, 812, 128.	4.5	104
85	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. VIII. A WIDE-AREA, HIGH-RESOLUTION MAP OF DUST EXTINCTION IN M31. Astrophysical Journal, 2015, 814, 3.	4.5	72
86	ACTION-SPACE CLUSTERING OF TIDAL STREAMS TO INFER THE GALACTIC POTENTIAL. Astrophysical Journal, 2015, 801, 98.	4.5	44
87	GLOBULAR CLUSTER STREAMS AS GALACTIC HIGH-PRECISION SCALESâ€"THE POSTER CHILD PALOMAR 5. Astrophysical Journal, 2015, 803, 80.	4.5	156
88	GREAT3 results â€“ I. Systematic errors in shear estimation and the impact of real galaxy morphology. Monthly Notices of the Royal Astronomical Society, 2015, 450, 2963-3007.	4.4	119
89	IGM CONSTRAINTS FROM THE SDSS-III/BOSS DR9 LyÎ± FOREST TRANSMISSION PROBABILITY DISTRIBUTION FUNCTION. Astrophysical Journal, 2015, 799, 196.	4.5	64
90	A SYSTEMATIC SEARCH FOR TRANSITING PLANETS IN THEK2DATA. Astrophysical Journal, 2015, 806, 215.	4.5	123

#	Article	IF	Citations
91	THE HIGH-MASS STELLAR INITIAL MASS FUNCTION IN M31 CLUSTERS. Astrophysical Journal, 2015, 806, 198.	4.5	57
92	HIERARCHICAL PROBABILISTIC INFERENCE OF COSMIC SHEAR. Astrophysical Journal, 2015, 807, 87.	4.5	29
93	STELLAR AND PLANETARY PROPERTIES OFK2CAMPAIGN 1 CANDIDATES AND VALIDATION OF 17 PLANETS, INCLUDING A PLANET RECEIVING EARTH-LIKE INSOLATION. Astrophysical Journal, 2015, 809, 25.	4.5	150
94	DISSECTING MAGNETAR VARIABILITY WITH BAYESIAN HIERARCHICAL MODELS. Astrophysical Journal, 2015, 810, 66.	4.5	13
95	THE CANNON: A DATA-DRIVEN APPROACH TO STELLAR LABEL DETERMINATION. Astrophysical Journal, 2015, 808, 16.	4.5	284
96	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
97	Ten Simple Rules for the Care and Feeding of Scientific Data. PLoS Computational Biology, 2014, 10, e1003542.	3.2	147
98	MILKY WAY MASS AND POTENTIAL RECOVERY USING TIDAL STREAMS IN A REALISTIC HALO. Astrophysical Journal, 2014, 795, 94.	4.5	70
99	INFERRING THE GRAVITATIONAL POTENTIAL OF THE MILKY WAY WITH A FEW PRECISELY MEASURED STARS. Astrophysical Journal, 2014, 794, 4.	4.5	46
100	S4: A SPATIAL-SPECTRAL MODEL FOR SPECKLE SUPPRESSION. Astrophysical Journal, 2014, 794, 161.	4.5	20
101	EXOPLANET POPULATION INFERENCE AND THE ABUNDANCE OF EARTH ANALOGS FROM NOISY, INCOMPLETE CATALOGS. Astrophysical Journal, 2014, 795, 64.	4.5	241
102	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.	7.7	820
103	The nature of massive black hole binary candidates â€“ II. Spectral energy distribution atlas. Monthly Notices of the Royal Astronomical Society, 2014, 441, 316-332.	4.4	9
104	<tt>emcee</tt>: The MCMC Hammer. Publications of the Astronomical Society of the Pacific, 2013, 125, 306-312.	3.1	7,999
105	The nature of massive black hole binary candidates â€“ I. Spectral properties and evolution. Monthly Notices of the Royal Astronomical Society, 2013, 433, 1492-1504.	4.4	43
106	THE PANCHROMATIC HUBBLE ANDROMEDA TREASURY. IV. A PROBABILISTIC APPROACH TO INFERRING THE HIGH-MASS STELLAR INITIAL MASS FUNCTION AND OTHER POWER-LAW FUNCTIONS. Astrophysical Journal, 2013, 762, 123.	4.5	29
107	RECONNAISSANCE OF THE HR 8799 EXOSOLAR SYSTEM. I. NEAR-INFRARED SPECTROSCOPY. Astrophysical Journal, 2013, 768, 24.	4.5	131
108	THE BARYON OSCILLATION SPECTROSCOPIC SURVEY OF SDSS-III. Astronomical Journal, 2013, 145, 10.	4.7	1,571

#	Article	IF	Citations
109	PROBABILISTIC CATALOGS FOR CROWDED STELLAR FIELDS. Astronomical Journal, 2013, 146, 7.	4.7	30
110	THE PRISM MULTI-OBJECT SURVEY (PRIMUS). II. DATA REDUCTION AND REDSHIFT FITTING. Astrophysical Journal, 2013, 767, 118.	4.5	141
111	A NEW APPROACH TO IDENTIFYING THE MOST POWERFUL GRAVITATIONAL LENSING TELESCOPES. Astrophysical Journal, 2013, 769, 52.	4.5	21
112	Action-space clustering of tidal streams to map the Galactic potential. Proceedings of the International Astronomical Union, 2013, 9, 207-212.	0.0	2
113	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
114	Replacing Standard Galaxy Profiles with Mixtures of Gaussians. Publications of the Astronomical Society of the Pacific, 2013, 125, 719-730.	3.1	25
115	SYNMAG PHOTOMETRY: A FAST TOOL FOR CATALOG-LEVEL MATCHED COLORS OF EXTENDED SOURCES. Astronomical Journal, 2012, 144, 188.	4.7	9
116	SEARCHING FOR COMETS ON THE WORLD WIDE WEB: THE ORBIT OF 17P/HOLMES FROM THE BEHAVIOR OF PHOTOGRAPHERS. Astronomical Journal, 2012, 144, 46.	4.7	12
117	THE SDSS-III BARYON OSCILLATION SPECTROSCOPIC SURVEY: QUASAR TARGET SELECTION FOR DATA RELEASE NINE. Astrophysical Journal, Supplement Series, 2012, 199, 3.	7.7	246
118	A DATA-DRIVEN MODEL FOR SPECTRA: FINDING DOUBLE REDSHIFTS IN THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, 2012, 753, 122.	4.5	21
119	THE COLOR VARIABILITY OF QUASARS. Astrophysical Journal, 2012, 744, 147.	4.5	81
120	THE SPATIAL STRUCTURE OF MONO-ABUNDANCE SUB-POPULATIONS OF THE MILKY WAY DISK. Astrophysical Journal, 2012, 753, 148.	4.5	341
121	THE MILKY WAY'S CIRCULAR-VELOCITY CURVE BETWEEN 4 AND 14 kpc FROM APOGEE DATA. Astrophysical Journal, 2012, 759, 131.	4.5	325
122	AN AFFINE-INVARIANT SAMPLER FOR EXOPLANET FITTING AND DISCOVERY IN RADIAL VELOCITY DATA. Astrophysical Journal, 2012, 745, 198.	4.5	65
123	STAR-GALAXY CLASSIFICATION IN MULTI-BAND OPTICAL IMAGING. Astrophysical Journal, 2012, 760, 15.	4.5	52
124	Designing Imaging Surveys for a Retrospective Relative Photometric Calibration. Publications of the Astronomical Society of the Pacific, 2012, 124, 1219-1231.	3.1	5
125	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
126	THE EXTREME SMALL SCALES: DO SATELLITE GALAXIES TRACE DARK MATTER?. Astrophysical Journal, 2012, 749, 83.	4.5	50

#	Article	IF	Citations
127	THE VERTICAL MOTIONS OF MONO-ABUNDANCE SUB-POPULATIONS IN THE MILKY WAY DISK. Astrophysical Journal, 2012, 755, 115.	4.5	94
128	GALAXY GROWTH BY MERGING IN THE NEARBY UNIVERSE. Astrophysical Journal, 2012, 759, 140.	4.5	9
129	THE MILKY WAY HAS NO DISTINCT THICK DISK. Astrophysical Journal, 2012, 751, 131.	4.5	246
130	PHOTOMETRIC REDSHIFTS AND QUASAR PROBABILITIES FROM A SINGLE, DATA-DRIVEN GENERATIVE MODEL. Astrophysical Journal, 2012, 749, 41.	4.5	104
131	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
132	CLUMPY STREAMS FROM CLUMPY HALOS: DETECTING MISSING SATELLITES WITH COLD STELLAR STRUCTURES. Astrophysical Journal, 2011, 731, 58.	4.5	148
133	ARE THE ULTRA-FAINT DWARF GALAXIES JUST CUSPS?. Astrophysical Journal Letters, 2011, 727, L14.	8.3	5
134	STATISTICS OF GAMMA-RAY POINT SOURCES BELOW THEFERMIDETECTION LIMIT. Astrophysical Journal, 2011, 738, 181.	4.5	59
135	A SYSTEMATIC SEARCH FOR MASSIVE BLACK HOLE BINARIES IN THE SLOAN DIGITAL SKY SURVEY SPECTROSCOPIC SAMPLE. Astrophysical Journal, 2011, 738, 20.	4.5	105
136	Extreme deconvolution: Inferring complete distribution functions from noisy, heterogeneous and incomplete observations. Annals of Applied Statistics, 2011, 5, .	1.1	128
137	THE AROMATIC FEATURES IN VERY FAINT DWARF GALAXIES. Astrophysical Journal, 2011, 730, 111.	4.5	11
138	THINK OUTSIDE THE COLOR BOX: PROBABILISTIC TARGET SELECTION AND THESDSS-XDQSOQUASAR TARGETING CATALOG. Astrophysical Journal, 2011, 729, 141.	4.5	172
139	THE PRISM MULTI-OBJECT SURVEY (PRIMUS). I. SURVEY OVERVIEW AND CHARACTERISTICS. Astrophysical Journal, 2011, 741, 8.	4.5	247
140	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
141	THE DUAL ORIGIN OF STELLAR HALOS. II. CHEMICAL ABUNDANCES AS TRACERS OF FORMATION HISTORY. Astrophysical Journal, 2010, 721, 738-743.	4.5	101
142	CONSTRAINING THE MILKY WAY POTENTIAL WITH A SIX-DIMENSIONAL PHASE-SPACE MAP OF THE GD-1 STELLAR STREAM. Astrophysical Journal, 2010, 712, 260-273.	4.5	329
143	INFERRING THE ECCENTRICITY DISTRIBUTION. Astrophysical Journal, 2010, 725, 2166-2175.	4.5	179
144	DYNAMICAL INFERENCE FROM A KINEMATIC SNAPSHOT: THE FORCE LAW IN THE SOLAR SYSTEM. Astrophysical Journal, 2010, 711, 1157-1167.	4.5	12

#	Article	IF	Citations
145	THE VELOCITY DISTRIBUTION OF NEARBY STARS FROMHIPPARCOSDATA. II. THE NATURE OF THE LOW-VELOCITY MOVING GROUPS. Astrophysical Journal, 2010, 717, 617-639.	4.5	48
146	STELLAR POPULATION VARIATIONS IN THE MILKY WAY's STELLAR HALO. Astronomical Journal, 2010, 140, 1850-1859.	4.7	51
147	ASTROMETRY.NET: BLIND ASTROMETRIC CALIBRATION OF ARBITRARY ASTRONOMICAL IMAGES. Astronomical Journal, 2010, 139, 1782-1800.	4.7	682
148	What Bandwidth Do I Need for My Image?. Publications of the Astronomical Society of the Pacific, 2010, 122, 207-214.	3.1	4
149	THE DUAL ORIGIN OF STELLAR HALOS. Astrophysical Journal, 2009, 702, 1058-1067.	4.5	265
150	THE VELOCITY DISTRIBUTION OF NEARBY STARS FROMHIPPARCOSDATA. I. THE SIGNIFICANCE OF THE MOVING GROUPS. Astrophysical Journal, 2009, 700, 1794-1819.	4.5	54
151	GALACTIC MASERS AND THE MILKY WAY CIRCULAR VELOCITY. Astrophysical Journal, 2009, 704, 1704-1709.	4.5	148
152	THE INTRINSIC PROPERTIES OF SDSS GALAXIES. Astrophysical Journal, 2009, 691, 394-406.	4.5	103
153	AUTOMATED DETECTION OF GALAXY-SCALE GRAVITATIONAL LENSES IN HIGH-RESOLUTION IMAGING DATA. Astrophysical Journal, 2009, 694, 924-942.	4.5	68
154	COSMIC TRANSPARENCY: A TEST WITH THE BARYON ACOUSTIC FEATURE AND TYPE Ia SUPERNOVAE. Astrophysical Journal, 2009, 696, 1727-1732.	4.5	54
155	MEASURING THE UNDETECTABLE: PROPER MOTIONS AND PARALLAXES OF VERY FAINT SOURCES. Astronomical Journal, 2009, 137, 4400-4411.	4.7	7
156	The kinematic origin of the cosmological redshift. American Journal of Physics, 2009, 77, 688-694.	0.7	42
157	THE SEVENTH DATA RELEASE OF THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, Supplement Series, 2009, 182, 543-558.	7.7	4,201
158	The Sixth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2008, 175, 297-313.	7.7	1,202
159	BLIND DATE: USING PROPER MOTIONS TO DETERMINE THE AGES OF HISTORICAL IMAGES. Astronomical Journal, 2008, 136, 1490-1501.	4.7	2
160	Astronomical imaging: The theory of everything. , 2008, , .		2
161	The Accretion Origin of the Milky Wayâ€™s Stellar Halo. Astrophysical Journal, 2008, 680, 295-311.	4.5	359
162	An Improved Photometric Calibration of the Sloan Digital Sky Survey Imaging Data. Astrophysical Journal, 2008, 674, 1217-1233.	4.5	496

#	Article	IF	Citations
163	The Growth of Luminous Red Galaxies by Merging. Astrophysical Journal, 2008, 679, 260-268.	4.5	51
164	The Transparency of Galaxy Clusters. Astrophysical Journal, 2008, 688, 198-207.	4.5	21
165	CLEANING THE USNO-B CATALOG THROUGH AUTOMATIC DETECTION OF OPTICAL ARTIFACTS. Astronomical Journal, 2008, 135, 414-422.	4.7	32
166	The Sloan Digital Sky Survey Quasar Catalog. IV. Fifth Data Release. Astronomical Journal, 2007, 134, 102-117.	4.7	394
167	The Fifth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2007, 172, 634-644.	7.7	615
168	The clustering of luminous red galaxies in the Sloan Digital Sky Survey imaging data. Monthly Notices of the Royal Astronomical Society, 2007, 378, 852-872.	4.4	295
169	Cosmological constraints from the SDSS luminous red galaxies. Physical Review D, 2006, 74, .	4.7	1,132
170	Percolation Galaxy Groups and Clusters in the SDSS Redshift Survey: Identification, Catalogs, and the Multiplicity Function. Astrophysical Journal, Supplement Series, 2006, 167, 1-25.	7.7	311
171	What Triggers Galaxy Transformations? The Environments of Poststarburst Galaxies. Astrophysical Journal, 2006, 650, 763-769.	4.5	47
172	Very Small Scale Clustering and Merger Rate of Luminous Red Galaxies. Astrophysical Journal, 2006, 644, 54-60.	4.5	143
173	The Scale Dependence of Relative Galaxy Bias: Encouragement for the â€œHalo Modelâ€•Description. Astrophysical Journal, 2006, 645, 977-985.	4.5	79
174	The Fourth Data Release of the Sloan Digital Sky Survey. Astrophysical Journal, Supplement Series, 2006, 162, 38-48.	7.7	948
175	Foreground and Source of a Cluster of Ultra-High-Energy Cosmic Rays. Astrophysical Journal, 2006, 642, L89-L93.	4.5	10
176	The Intermediateâ€Scale Clustering of Luminous Red Galaxies. Astrophysical Journal, 2005, 621, 22-31.	4.5	179
177	A New Milky Way Companion: Unusual Globular Cluster or Extreme Dwarf Satellite?. Astronomical Journal, 2005, 129, 2692-2700.	4.7	303
178	Midâ€Infrared and Visible Photometry of Galaxies: Anomalously Low Polycyclic Aromatic Hydrocarbon Emission from Lowâ€Luminosity Galaxies. Astrophysical Journal, 2005, 624, 162-167.	4.5	47
179	New York University Value-Added Galaxy Catalog: A Galaxy Catalog Based on New Public Surveys. Astronomical Journal, 2005, 129, 2562-2578.	4.7	989
180	Cosmic Homogeneity Demonstrated with Luminous Red Galaxies. Astrophysical Journal, 2005, 624, 54-58.	4.5	205

#	Article	IF	Citations
181	Modeling Complete Distributions with Incomplete Observations: The Velocity Ellipsoid fromHipparcosData. Astrophysical Journal, 2005, 629, 268-275.	4.5	62
182	Interpreting the Relationship between Galaxy Luminosity, Color, and Environment. Astrophysical Journal, 2005, 629, 625-632.	4.5	69
183	Relationship between Environment and the Broadband Optical Properties of Galaxies in the Sloan Digital Sky Survey. Astrophysical Journal, 2005, 629, 143-157.	4.5	513
184	Galaxy evolution with future wide-field space missions. New Astronomy Reviews, 2005, 49, 379-386.	12.8	1
185	Detection of the Baryon Acoustic Peak in the Largeâ€Scale Correlation Function of SDSS Luminous Red Galaxies. Astrophysical Journal, 2005, 633, 560-574.	4.5	3,564
186	The Third Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2005, 129, 1755-1759.	4.7	634
187	A New Milky Way Dwarf Galaxy in Ursa Major. Astrophysical Journal, 2005, 626, L85-L88.	4.5	389
188	The Threeâ€Dimensional Power Spectrum of Galaxies from the Sloan Digital Sky Survey. Astrophysical Journal, 2004, 606, 702-740.	4.5	1,426
189	Cosmological parameters from SDSS and WMAP. Physical Review D, 2004, 69, .	4.7	3,121
190	Selection and Photometric Properties of K+A Galaxies. Astrophysical Journal, 2004, 602, 190-199.	4.5	146
191	The Dependence on Environment of the Color-Magnitude Relation of Galaxies. Astrophysical Journal, 2004, 601, L29-L32.	4.5	372
192	Sloan Digital Sky Survey Imaging of Low Galactic Latitude Fields: Technical Summary and Data Release. Astronomical Journal, 2004, 128, 2577-2592.	4.7	73
193	The Second Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2004, 128, 502-512.	4.7	953
194	The First Data Release of the Sloan Digital Sky Survey. Astronomical Journal, 2003, 126, 2081-2086.	4.7	800
195	Estimating Fixed-Frame Galaxy Magnitudes in the Sloan Digital Sky Survey. Astronomical Journal, 2003, 125, 2348-2360.	4.7	457
196	The Galaxy Luminosity Function and Luminosity Density at Redshiftz= 0.1. Astrophysical Journal, 2003, 592, 819-838.	4.5	898
197	The Broadband Optical Properties of Galaxies with Redshifts 0.02â€‰<â€‰zâ€‰<â€‰0.22. Astrophysical Journal, 2003, 594, 186-207.	4.5	637
198	Early-Type Galaxies in the Sloan Digital Sky Survey. I. The Sample. Astronomical Journal, 2003, 125, 1817-1848.	4.7	226

#	Article	IF	Citations
199	The Overdensities of Galaxy Environments as a Function of Luminosity and Color. Astrophysical Journal, 2003, 585, L5-L9.	4.5	264
200	Average Spectra of Massive Galaxies in the Sloan Digital Sky Survey. Astrophysical Journal, 2003, 585, 694-713.	4.5	104
201	Early-Type Galaxies in the Sloan Digital Sky Survey. III. The Fundamental Plane. Astronomical Journal, 2003, 125, 1866-1881.	4.7	296
202	Early-type Galaxies in the Sloan Digital Sky Survey. II. Correlations between Observables. Astronomical Journal, 2003, 125, 1849-1865.	4.7	240
203	Sloan Digital Sky Survey: Early Data Release. Astronomical Journal, 2002, 123, 485-548.	4.7	2,003
204	The Sloan Digital Sky Survey Quasar Catalog. I. Early Data Release. Astronomical Journal, 2002, 123, 567-577.	4.7	141
205	The Luminosity Density of Red Galaxies. Astronomical Journal, 2002, 124, 646-651.	4.7	93
206	Spectroscopic Target Selection for the Sloan Digital Sky Survey: The Luminous Red Galaxy Sample. Astronomical Journal, 2001, 122, 2267-2280.	4.7	856
207	A Photometricity and Extinction Monitor at the Apache Point Observatory. Astronomical Journal, 2001, 122, 2129-2138.	4.7	642
208	Galaxy Number Counts from the Sloan Digital Sky Survey Commissioning Data. Astronomical Journal, 2001, 122, 1104-1124.	4.7	216
209	Confusion Errors in Astrometry and Counterpart Association. Astronomical Journal, 2001, 121, 1207-1213.	4.7	86
210	The Luminosity Function of Galaxies in SDSS Commissioning Data. Astronomical Journal, 2001, 121, 2358-2380.	4.7	545
211	Hubble Space TelescopeSTIS Observations of GRB 000301C: CCD Imaging and Nearâ€Ultraviolet MAMA Spectroscopy. Astrophysical Journal, 2001, 556, 70-76.	4.5	9
212	Caltech Faint Galaxy Redshift Survey. XI. The Merger Rate to Redshift 1 from Kinematic Pairs. Astrophysical Journal, 2000, 532, L1-L4.	4.5	73
213	Caltech Faint Galaxy Redshift Survey. XIV. Galaxy Morphology in the Hubble Deep Field (North) and Its Flanking Fields to [CLC][ITAL]z[/ITAL][/CLC]â€‰=â€‰1.2. Astronomical Journal, 2000, 120, 2190-2205.	4.7	83
214	3 Micron Imaging of the Hubble Deep Field. Astronomical Journal, 2000, 119, 1519-1525.	4.7	9
215	Caltech Faint Galaxy Redshift Survey. X. A Redshift Survey in the Region of the Hubble Deep Field North. Astrophysical Journal, 2000, 538, 29-52.	4.5	294
216	Caltech Faint Galaxy Redshift Survey. IX. Source Detection and Photometry in the Hubble Deep Field Region. Astrophysical Journal, Supplement Series, 2000, 127, 1-9.	7.7	29

#	Article	IF	Citations
217	The Caltech Faint Galaxy Redshift Survey. XII. Clustering of Galaxies. Astrophysical Journal, 2000, 545, 32-42.	4.5	17
218	Caltech Faint Galaxy Redshift Survey. VIII. Analysis of the Field J0053+1234. Astrophysical Journal, 1999, 512, 30-47.	4.5	47
219	A Possible Gravitational Lens in the Hubble Deep Field South. Astrophysical Journal, 1999, 513, L91-L94.	4.5	8
220	[ITAL]Hubble Space Telescope[/ITAL] and Palomar Imaging of GRB 990123: Implications for the Nature of Gamma-Ray Bursts and Their Hosts. Astrophysical Journal, 1999, 519, L13-L16.	4.5	174
221	The Faintâ€Galaxy Hosts of Gammaâ€Ray Bursts. Astrophysical Journal, 1999, 520, 54-58.	4.5	83
222	Caltech Faint Galaxy Redshift Survey. VII. Data Analysis Techniques and Redshifts in the Field J0053+1234. Astrophysical Journal, Supplement Series, 1999, 120, 171-178.	7.7	39
223	A Maximum Likelihood Method to Improve Faintâ€Source Flux and Color Estimates. Publications of the Astronomical Society of the Pacific, 1998, 110, 727-731.	3.1	91
224	The OiiLuminosity Density of the Universe. Astrophysical Journal, 1998, 504, 622-628.	4.5	151
225	A Blind Test of Photometric Redshift Prediction. Astronomical Journal, 1998, 115, 1418-1422.	4.7	89
226	Counts and colours of faint galaxies in the U and R bands. Monthly Notices of the Royal Astronomical Society, 1997, 288, 404-410.	4.4	77
227	Near Infrared Imaging of the Hubble Deep Field with the Keck Telescope. Astronomical Journal, 1997, 113, 474.	4.7	21
228	Redshift Clustering in the Hubble Deep Field. Astrophysical Journal, 1996, 471, L5-L9.	4.5	137
229	Strong Redshift Clustering of Distant Galaxies. Astrophysical Journal, 1996, 462, L9-L12.	4.5	17
230	A Candidate Gravitational Lens in the Hubble Deep Field. Astrophysical Journal, 1996, 467, L73-L75.	4.5	28
231	A Photographic Search for Satellites of Neptune. Icarus, 1994, 107, 304-310.	2.5	3