David Charbonneau

List of Publications by Year in descending order

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240 papers

37,795 citations

4120 87 h-index 186 g-index

242 all docs 242 docs citations

times ranked

242

7855 citing authors

#	Article	IF	CITATIONS
1	Kepler Planet-Detection Mission: Introduction and First Results. Science, 2010, 327, 977-980.	6.0	2,848
2	Transiting Exoplanet Survey Satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2014, 1, 014003.	1.0	2,300
3	Detection of Planetary Transits Across a Sun-like Star. Astrophysical Journal, 2000, 529, L45-L48.	1.6	1,189
4	Detection of an Extrasolar Planet Atmosphere. Astrophysical Journal, 2002, 568, 377-384.	1.6	1,083
5	THE FALSE POSITIVE RATE OF <i>KEPLER</i> AND THE OCCURRENCE OF PLANETS. Astrophysical Journal, 2013, 766, 81.	1.6	895
6	PLANET OCCURRENCE WITHIN 0.25 AU OF SOLAR-TYPE STARS FROM <i>KEPLER </i> Supplement Series, 2012, 201, 15.	3.0	871
7	CHARACTERISTICS OF PLANETARY CANDIDATES OBSERVED BY <i>KEPLER</i> . II. ANALYSIS OF THE FIRST FOUR MONTHS OF DATA. Astrophysical Journal, 2011, 736, 19.	1.6	859
8	PLANETARY CANDIDATES OBSERVED BY <i>KEPLER</i> . III. ANALYSIS OF THE FIRST 16 MONTHS OF DATA. Astrophysical Journal, Supplement Series, 2013, 204, 24.	3.0	823
9	THE OCCURRENCE OF POTENTIALLY HABITABLE PLANETS ORBITING M DWARFS ESTIMATED FROM THE FULL $\langle i \rangle$ KEPLER $\langle i \rangle$ DATASET AND AN EMPIRICAL MEASUREMENT OF THE DETECTION SENSITIVITY. Astrophysical Journal, 2015, 807, 45.	1.6	751
10	A super-Earth transiting a nearby low-mass star. Nature, 2009, 462, 891-894.	13.7	672
11	A map of the day–night contrast of the extrasolar planet HD 189733b. Nature, 2007, 447, 183-186.	13.7	650
12	THE OCCURRENCE RATE OF SMALL PLANETS AROUND SMALL STARS. Astrophysical Journal, 2013, 767, 95.	1.6	604
13	The Revised TESS Input Catalog and Candidate Target List. Astronomical Journal, 2019, 158, 138.	1.9	577
14	Detection of Thermal Emission from an Extrasolar Planet. Astrophysical Journal, 2005, 626, 523-529.	1.6	569
15	Transiting Exoplanet Survey Satellite (TESS). Proceedings of SPIE, 2014, , .	0.8	566
16	A closely packed system of low-mass, low-density planets transiting Kepler-11. Nature, 2011, 470, 53-58.	13.7	553
17	Hubble Space TelescopeTimeâ€6eries Photometry of the Transiting Planet of HD 209458. Astrophysical Journal, 2001, 552, 699-709.	1.6	502
18	ATMOSPHERIC CIRCULATION OF HOT JUPITERS: COUPLED RADIATIVE-DYNAMICAL GENERAL CIRCULATION MODEL SIMULATIONS OF HD 189733b and HD 209458b. Astrophysical Journal, 2009, 699, 564-584.	1.6	475

#	Article	IF	CITATIONS
19	<i>KEPLER</i> 'S FIRST ROCKY PLANET: KEPLER-10b. Astrophysical Journal, 2011, 729, 27.	1.6	473
20	MASSES, RADII, AND ORBITS OF SMALL <i>KEPLER</i> PLANETS: THE TRANSITION FROM GASEOUS TO ROCKY PLANETS. Astrophysical Journal, Supplement Series, 2014, 210, 20.	3.0	418
21	THE TRANSITING EXOPLANET SURVEY SATELLITE: SIMULATIONS OF PLANET DETECTIONS AND ASTROPHYSICAL FALSE POSITIVES. Astrophysical Journal, 2015, 809, 77.	1.6	415
22	INFRARED TRANSMISSION SPECTROSCOPY OF THE EXOPLANETS HD 209458b AND XO-1b USING THE WIDE FIELD CAMERA-3 ON THE <i>HUBBLE SPACE TELESCOPE </i> i>. Astrophysical Journal, 2013, 774, 95.	1.6	409
23	The 3.6–8.0 μm Broadband Emission Spectrum of HD 209458b: Evidence for an Atmospheric Temperature Inversion. Astrophysical Journal, 2008, 673, 526-531.	1.6	386
24	TrES-1: The Transiting Planet of a Bright KO V Star. Astrophysical Journal, 2004, 613, L153-L156.	1.6	370
25	A disintegrating minor planet transiting a white dwarf. Nature, 2015, 526, 546-549.	13.7	367
26	Kepler-9: A System of Multiple Planets Transiting a Sun-Like Star, Confirmed by Timing Variations. Science, 2010, 330, 51-54.	6.0	339
27	Planetary Candidates Observed by <i>Kepler</i> . VIII. A Fully Automated Catalog with Measured Completeness and Reliability Based on Data Release 25. Astrophysical Journal, Supplement Series, 2018, 235, 38.	3.0	316
28	A Framework for Prioritizing the <i>TESS</i> Planetary Candidates Most Amenable to Atmospheric Characterization. Publications of the Astronomical Society of the Pacific, 2018, 130, 114401.	1.0	314
29	CHARACTERISTICS OF (i) KEPLER (i) PLANETARY CANDIDATES BASED ON THE FIRST DATA SET. Astrophysical Journal, 2011, 728, 117.	1.6	313
30	THE FLAT TRANSMISSION SPECTRUM OF THE SUPER-EARTH GJ1214b FROM WIDE FIELD CAMERA 3 ON THE <i>HUBBLE SPACE TELESCOPE</i> . Astrophysical Journal, 2012, 747, 35.	1.6	313
31	Design Considerations for a Ground-Based Transit Search for Habitable Planets Orbiting M Dwarfs. Publications of the Astronomical Society of the Pacific, 2008, 120, 317-327.	1.0	308
32	A PRECISE WATER ABUNDANCE MEASUREMENT FOR THE HOT JUPITER WASP-43b. Astrophysical Journal Letters, 2014, 793, L27.	3.0	297
33	Measurement of Spinâ€Orbit Alignment in an Extrasolar Planetary System. Astrophysical Journal, 2005, 631, 1215-1226.	1.6	288
34	A temperate rocky super-Earth transiting a nearby cool star. Nature, 2017, 544, 333-336.	13.7	275
35	Improving Stellar and Planetary Parameters of Transiting Planet Systems: The Case of TrESâ€2. Astrophysical Journal, 2007, 664, 1190-1198.	1.6	272
36	THE CLIMATE OF HD 189733b FROM FOURTEEN TRANSITS AND ECLIPSES MEASURED BY <i>SPITZER</i> Astrophysical Journal, 2010, 721, 1861-1877.	1.6	266

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37	Thermal structure of an exoplanet atmosphere from phase-resolved emission spectroscopy. Science, 2014, 346, 838-841.	6.0	266
38	3.6 AND 4.5 $\hat{1}\frac{1}{4}$ m PHASE CURVES AND EVIDENCE FOR NON-EQUILIBRIUM CHEMISTRY IN THE ATMOSPHERE OF EXTRASOLAR PLANET HD 189733b. Astrophysical Journal, 2012, 754, 22.	1.6	264
39	The Spectroscopic Orbit of the Planetary Companion Transiting HD 209458. Astrophysical Journal, 2000, 532, L55-L58.	1.6	257
40	The Broadband Infrared Emission Spectrum of the Exoplanet HD 189733b. Astrophysical Journal, 2008, 686, 1341-1348.	1.6	253
41	Strong water absorption in the dayside emission spectrum of the planet HD 189733b. Nature, 2008, 456, 767-769.	13.7	252
42	Using Stellar Limbâ€Đarkening to Refine the Properties of HD 209458b. Astrophysical Journal, 2007, 655, 564-575.	1.6	225
43	Kepler-22b: A 2.4 EARTH-RADIUS PLANET IN THE HABITABLE ZONE OF A SUN-LIKE STAR. Astrophysical Journal, 2012, 745, 120.	1.6	218
44	MODELING <i>KEPLER</i> TRANSIT LIGHT CURVES AS FALSE POSITIVES: REJECTION OF BLEND SCENARIOS FOR KEPLER-9, AND VALIDATION OF KEPLER-9 d, A SUPER-EARTH-SIZE PLANET IN A MULTIPLE SYSTEM. Astrophysical Journal, 2011, 727, 24.	1.6	215
45	THE Hα EMISSION OF NEARBY M DWARFS AND ITS RELATION TO STELLAR ROTATION. Astrophysical Journal, 2017, 834, 85.	1.6	214
46	Kepler-62: A Five-Planet System with Planets of 1.4 and 1.6 Earth Radii in the Habitable Zone. Science, 2013, 340, 587-590.	6.0	213
47	THE MASS OF Kepler-93b AND THE COMPOSITION OF TERRESTRIAL PLANETS. Astrophysical Journal, 2015, 800, 135.	1.6	211
48	ON THE ANGULAR MOMENTUM EVOLUTION OF FULLY CONVECTIVE STARS: ROTATION PERIODS FOR FIELD M-DWARFS FROM THE MEarth TRANSIT SURVEY. Astrophysical Journal, 2011, 727, 56.	1.6	209
49	THE ROTATION AND GALACTIC KINEMATICS OF MID M DWARFS IN THE SOLAR NEIGHBORHOOD. Astrophysical Journal, 2016, 821, 93.	1.6	209
50	MULTIWAVELENGTH CONSTRAINTS ON THE DAY-NIGHT CIRCULATION PATTERNS OF HD 189733b. Astrophysical Journal, 2009, 690, 822-836.	1.6	204
51	A rocky planet transiting a nearby low-mass star. Nature, 2015, 527, 204-207.	13.7	204
52	An Earth-sized planet with an Earth-like density. Nature, 2013, 503, 377-380.	13.7	199
53	The Transit Light Curve Project. I. Four Consecutive Transits of the Exoplanet XOâ€1b. Astrophysical Journal, 2006, 652, 1715-1723.	1.6	193
54	A sub-Mercury-sized exoplanet. Nature, 2013, 494, 452-454.	13.7	193

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55	The TESS Objects of Interest Catalog from the TESS Prime Mission. Astrophysical Journal, Supplement Series, 2021, 254, 39.	3.0	190
56	ALIEN MAPS OF AN OCEAN-BEARING WORLD. Astrophysical Journal, 2009, 700, 915-923.	1.6	188
57	TrES-2: The First Transiting Planet in the Kepler Field. Astrophysical Journal, 2006, 651, L61-L64.	1.6	185
58	Two Earth-sized planets orbiting Kepler-20. Nature, 2012, 482, 195-198.	13.7	172
59	KEPLER-18b, c, AND d: A SYSTEM OF THREE PLANETS CONFIRMED BY TRANSIT TIMING VARIATIONS, LIGHT CURVE VALIDATION, <i>WARM-SPITZER </i> PHOTOMETRY, AND RADIAL VELOCITY MEASUREMENTS. Astrophysical Journal, Supplement Series, 2011, 197, 7.	3.0	171
60	THE NIRSPEC ULTRACOOL DWARF RADIAL VELOCITY SURVEY. Astrophysical Journal, 2010, 723, 684-706.	1.6	170
61	THE KEPLER-10 PLANETARY SYSTEM REVISITED BY HARPS-N: A HOT ROCKY WORLD AND A SOLID NEPTUNE-MASS PLANET. Astrophysical Journal, 2014, 789, 154.	1.6	164
62	THE HOT-JUPITER KEPLER-17b: DISCOVERY, OBLIQUITY FROM STROBOSCOPIC STARSPOTS, AND ATMOSPHERIC CHARACTERIZATION. Astrophysical Journal, Supplement Series, 2011, 197, 14.	3.0	162
63	Earth as an Extrasolar Planet: Earth Model Validation Using EPOXI Earth Observations. Astrobiology, 2011, 11, 393-408.	1.5	161
64	NEAR-INFRARED METALLICITIES, RADIAL VELOCITIES, AND SPECTRAL TYPES FOR 447 NEARBY M DWARFS. Astronomical Journal, 2014, 147, 20.	1.9	158
65	ZODIACAL EXOPLANETS IN TIME (ZEIT). III. A SHORT-PERIOD PLANET ORBITING A PRE-MAIN-SEQUENCE STAR IN THE UPPER SCORPIUS OB ASSOCIATION. Astronomical Journal, 2016, 152, 61.	1.9	156
66	ORBITAL PHASE VARIATIONS OF THE ECCENTRIC GIANT PLANET HAT-P-2b. Astrophysical Journal, 2013, 766, 95.	1.6	153
67	THE 4.5 νm FULL-ORBIT PHASE CURVE OF THE HOT JUPITER HD 209458b. Astrophysical Journal, 2014, 790, 53.	1.6	152
68	Transit timing observations from Keplerâ $\in f$ - III. Confirmation of four multiple planet systems by a Fourier-domain study of anticorrelated transit timing variations. Monthly Notices of the Royal Astronomical Society, 2012, 421, 2342-2354.	1.6	151
69	An Upper Limit on the Reflected Light from the Planet Orbiting the Star Ï., Bootis. Astrophysical Journal, 1999, 522, L145-L148.	1.6	151
70	OBSERVATIONAL EVIDENCE FOR A METAL-RICH ATMOSPHERE ON THE SUPER-EARTH GJ1214b. Astrophysical Journal Letters, 2011, 731, L40.	3.0	148
71	TESS Discovery of a Transiting Super-Earth in the pi Mensae System. Astrophysical Journal Letters, 2018, 868, L39.	3.0	148
72	ABSOLUTE PROPERTIES OF THE LOW-MASS ECLIPSING BINARY CM DRACONIS. Astrophysical Journal, 2009, 691, 1400-1411.	1.6	145

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73	TRANSIT DETECTION IN THE MEarth SURVEY OF NEARBY M DWARFS: BRIDGING THE CLEAN-FIRST, SEARCH-LATER DIVIDE. Astronomical Journal, 2012, 144, 145.	1.9	142
74	THE GJ1214 SUPER-EARTH SYSTEM: STELLAR VARIABILITY, NEW TRANSITS, AND A SEARCH FOR ADDITIONAL PLANETS. Astrophysical Journal, 2011, 736, 12.	1.6	140
75	Absence of a thick atmosphere on the terrestrial exoplanet LHSÂ3844b. Nature, 2019, 573, 87-90.	13.7	139
76	THE KEPLER-19 SYSTEM: A TRANSITING 2.2 <i>R</i> _⊕ PLANET AND A SECOND PLANET DETECTED VI. TRANSIT TIMING VARIATIONS. Astrophysical Journal, 2011, 743, 200.	A 1.6	130
77	AN ACTIVITY–ROTATION RELATIONSHIP AND KINEMATIC ANALYSIS OF NEARBY MID-TO-LATE-TYPE M DWARFS. Astrophysical Journal, 2015, 812, 3.	1.6	127
78	KEPLER-20: A SUN-LIKE STAR WITH THREE SUB-NEPTUNE EXOPLANETS AND TWO EARTH-SIZE CANDIDATES. Astrophysical Journal, 2012, 749, 15.	1.6	125
79	LSPM J1112+7626: DETECTION OF A 41 DAY M-DWARF ECLIPSING BINARY FROM THE MEARTH TRANSIT SURVEY. Astrophysical Journal, 2011, 742, 123.	1.6	121
80	TrES-4: A Transiting Hot Jupiter of Very Low Density. Astrophysical Journal, 2007, 667, L195-L198.	1.6	120
81	THE 8 ν m PHASE VARIATION OF THE HOT SATURN HD 149026b. Astrophysical Journal, 2009, 703, 769-784.	1.6	116
82	TrES-3: A Nearby, Massive, Transiting Hot Jupiter in a 31 Hour Orbit. Astrophysical Journal, 2007, 663, L37-L40.	1.6	115
83	A <i>>SPITZER</i> TRANSMISSION SPECTRUM FOR THE EXOPLANET GJ 436b, EVIDENCE FOR STELLAR VARIABILITY, AND CONSTRAINTS ON DAYSIDE FLUX VARIATIONS. Astrophysical Journal, 2011, 735, 27.	1.6	115
84	HARPS-N OBSERVES THE SUN AS A STAR. Astrophysical Journal Letters, 2015, 814, L21.	3.0	112
85	TESS Discovery of an Ultra-short-period Planet around the Nearby M Dwarf LHS 3844. Astrophysical Journal Letters, 2019, 871, L24.	3.0	108
86	A NEW SPECTROSCOPIC AND PHOTOMETRIC ANALYSIS OF THE TRANSITING PLANET SYSTEMS TrES-3 AND TrES-4. Astrophysical Journal, 2009, 691, 1145-1158.	1.6	106
87	KEPLER-68: THREE PLANETS, ONE WITH A DENSITY BETWEEN THAT OF EARTH AND ICE GIANTS. Astrophysical Journal, 2013, 766, 40.	1.6	106
88	CHARACTERIZING K2 PLANET DISCOVERIES: A SUPER-EARTH TRANSITING THE BRIGHT K DWARF HIP 116454. Astrophysical Journal, 2015, 800, 59.	1.6	104
89	STUDYING THE ATMOSPHERE OF THE EXOPLANET HAT-P-7b VIA SECONDARY ECLIPSE MEASUREMENTS WITH EPOXI, SPITZER, AND KEPLER. Astrophysical Journal, 2010, 710, 97-104.	1.6	103
90	KEPLER-10 c: A 2.2 EARTH RADIUS TRANSITING PLANET IN A MULTIPLE SYSTEM. Astrophysical Journal, Supplement Series, 2011, 197, 5.	3.0	103

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91	An Ultra-short Period Rocky Super-Earth with a Secondary Eclipse and a Neptune-like Companion around K2-141. Astronomical Journal, 2018, 155, 107.	1.9	103
92	Transiting Exoplanet Studies and Community Targets for <i>JWST </i> 's Early Release Science Program. Publications of the Astronomical Society of the Pacific, 2016, 128, 094401.	1.0	98
93	DETECTION OF A TEMPERATURE INVERSION IN THE BROADBAND INFRARED EMISSION SPECTRUM OF TrES-4. Astrophysical Journal, 2009, 691, 866-874.	1.6	96
94	TRANSIT TIMING OBSERVATIONS FROM <i>KEPLER</i> . II. CONFIRMATION OF TWO MULTIPLANET SYSTEMS VIA A NON-PARAMETRIC CORRELATION ANALYSIS. Astrophysical Journal, 2012, 750, 113.	1.6	94
95	A New Search for Carbon Monoxide Absorption in the Transmission Spectrum of the Extrasolar Planet HD 209458b. Astrophysical Journal, 2005, 622, 1149-1159.	1.6	93
96	The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf. Astronomical Journal, 2019, 158, 32.	1.9	93
97	A Search for a Sub-Earth-Sized Companion to GJ 436 and a Novel Method to Calibrate Warm <i>Spitzer</i> In IRAC Observations. Publications of the Astronomical Society of the Pacific, 2010, 122, 1341-1352.	1.0	92
98	Three's Company: An Additional Non-transiting Super-Earth in the Bright HD 3167 System, and Masses for All Three Planets. Astronomical Journal, 2017, 154, 122.	1.9	90
99	Resolving the Surfaces of Extrasolar Planets with Secondary Eclipse Light Curves. Astrophysical Journal, 2006, 649, 1020-1027.	1.6	89
100	TRIGONOMETRIC PARALLAXES FOR 1507 NEARBY MID-TO-LATE M DWARFS. Astrophysical Journal, 2014, 784, 156.	1.6	89
101	AN EMPIRICAL CALIBRATION TO ESTIMATE COOL DWARF FUNDAMENTAL PARAMETERS FROM (i>HSPECTRA. Astrophysical Journal, 2015, 800, 85.	1.6	87
102	A 1.9 EARTH RADIUS ROCKY PLANET AND THE DISCOVERY OF A NON-TRANSITING PLANET IN THE KEPLER-20 SYSTEM*. Astronomical Journal, 2016, 152, 160.	1.9	85
103	GJ 3236: A NEW BRIGHT, VERY LOW MASS ECLIPSING BINARY SYSTEM DISCOVERED BY THE MEARTH OBSERVATORY. Astrophysical Journal, 2009, 701, 1436-1449.	1.6	84
104	THE BROADBAND INFRARED EMISSION SPECTRUM OF THE EXOPLANET TrES-3. Astrophysical Journal, 2010, 711, 374-379.	1.6	84
105	Two massive rocky planets transiting a K-dwarf 6.5 parsecs away. Nature Astronomy, 2017, 1, .	4.2	84
106	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. Astronomical Journal, 2019, 157, 32.	1.9	83
107	Transit Photometry of the Coreâ€dominated Planet HD 149026b. Astrophysical Journal, 2006, 636, 445-452.	1.6	82
108	The Transit Light Curve (TLC) Project. VI. Three Transits of the Exoplanet TrESâ€2. Astrophysical Journal, 2007, 664, 1185-1189.	1.6	82

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109	DISCOVERY AND ATMOSPHERIC CHARACTERIZATION OF GIANT PLANET KEPLER-12b: AN INFLATED RADIUS OUTLIER. Astrophysical Journal, Supplement Series, 2011, 197, 9.	3.0	82
110	KEPLER-21b: A ROCKY PLANET AROUND A VÂ=Â8.25 mag STAR*. Astronomical Journal, 2016, 152, 204.	1.9	80
111	Precise Radius Estimates for the Exoplanets WASPâ€1b and WASPâ€2b. Astrophysical Journal, 2007, 658, 1322-1327.	1.6	79
112	High-Resolution Spectroscopy of the Transiting Planet Host Star TrES-1. Astrophysical Journal, 2004, 616, L167-L170.	1.6	78
113	New Rotation Period Measurements for M Dwarfs in the Southern Hemisphere: An Abundance of Slowly Rotating, Fully Convective Stars. Astronomical Journal, 2018, 156, 217.	1.9	78
114	KEPLER-93b: A TERRESTRIAL WORLD MEASURED TO WITHIN 120 km, AND A TEST CASE FOR A NEW <i>SPITZER</i> OBSERVING MODE. Astrophysical Journal, 2014, 790, 12.	1.6	76
115	THE IMPACT OF STELLAR ROTATION ON THE DETECTABILITY OF HABITABLE PLANETS AROUND M DWARFS. Astrophysical Journal Letters, 2016, 821, L19.	3.0	73
116	<i>WARMSPITZER</i> PHOTOMETRY OF THREE HOT JUPITERS: HAT-P-3b, HAT-P-4b AND HAT-P-12b. Astrophysical Journal, 2013, 770, 102.	1.6	71
117	Multicolor Observations of a Planetary Transit of HD 209458. Astrophysical Journal, 2000, 540, L45-L48.	1.6	71
118	ASTEROSEISMOLOGY OF THE TRANSITING EXOPLANET HOST HD 17156 WITH <i>HUBBLE SPACE TELESCOPE</i> FINE GUIDANCE SENSOR. Astrophysical Journal, 2011, 726, 2.	1.6	69
119	WARM <i>SPITZER</i> OBSERVATIONS OF THREE HOT EXOPLANETS: XO-4b, HAT-P-6b, AND HAT-P-8b. Astrophysical Journal, 2012, 746, 111.	1.6	69
120	Properties of an Earth-Like Planet Orbiting a Sun-Like Star: Earth Observed by the EPOXI Mission. Astrobiology, 2011, 11, 907-930.	1.5	68
121	ATMOSPHERIC CHARACTERIZATION OF FIVE HOT JUPITERS WITH THE WIDE FIELD CAMERA 3 ON THE < i> > HUBBLE SPACE TELESCOPE < / i> > . Astrophysical Journal, 2014, 785, 148.	1.6	68
122	CONSTRAINTS ON PLANET OCCURRENCE AROUND NEARBY MID-TO-LATE M DWARFS FROM THE MEARTH PROJECT. Astrophysical Journal, 2013, 775, 91.	1.6	67
123	IDENTIFICATION, CLASSIFICATIONS, AND ABSOLUTE PROPERTIES OF 773 ECLIPSING BINARIES FOUND IN THE TRANS-ATLANTIC EXOPLANET SURVEY. Astronomical Journal, 2008, 135, 850-877.	1.9	66
124	Precise Masses in the WASP-47 System. Astronomical Journal, 2017, 154, 237.	1.9	66
125	A Search for CO Absorption in the Transmission Spectrum of HD 209458b. Publications of the Astronomical Society of the Pacific, 2002, 114, 826-832.	1.0	65
126	The Challenge of Wideâ€Field Transit Surveys: The Case of GSC 01944â€02289. Astrophysical Journal, 2005, 621, 1061-1071.	1.6	64

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127	SYSTEM PARAMETERS, TRANSIT TIMES, AND SECONDARY ECLIPSE CONSTRAINTS OF THE EXOPLANET SYSTEMS HAT-P-4, TrES-2, TrES-3, and WASP-3 FROM THE NASA <i>EPOXI</i> hi>MISSION OF OPPORTUNITY. Astrophysical Journal, 2011, 726, 94.	1.6	64
128	Vetting of 384 TESS Objects of Interest with TRICERATOPS and Statistical Validation of 12 Planet Candidates. Astronomical Journal, 2021, 161, 24.	1.9	64
129	DYNAMICAL MASSES OF YOUNG M DWARFS: MASSES AND ORBITAL PARAMETERS OF GJ 3305 AB, THE WIDE BINARY COMPANION TO THE IMAGED EXOPLANET HOST 51 ERI. Astrophysical Journal Letters, 2015, 813, L11.	3.0	63
130	LOW FALSE POSITIVE RATE OF (i) KEPLER (i) CANDIDATES ESTIMATED FROM A COMBINATION OF (i) SPITZER (i) AND FOLLOW-UP OBSERVATIONS. Astrophysical Journal, 2015, 804, 59.	1.6	62
131	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. Astronomical Journal, 2020, 160, 3.	1.9	62
132	THE ATMOSPHERES OF THE HOT-JUPITERS KEPLER-5b AND KEPLER-6b OBSERVED DURING OCCULTATIONS WITH <i>WARM-SPITZER</i> AND <i>KEPLER</i> Astrophysical Journal, Supplement Series, 2011, 197, 11.	3.0	61
133	Three Red Suns in the Sky: A Transiting, Terrestrial Planet in a Triple M-dwarf System at 6.9 pc. Astronomical Journal, 2019, 158, 152.	1.9	59
134	HARPS-N Solar RVs Are Dominated by Large, Bright Magnetic Regions. Astrophysical Journal, 2019, 874, 107.	1.6	59
135	THE ORBIT AND MASS OF THE THIRD PLANET IN THE KEPLER-56 SYSTEM. Astronomical Journal, 2016, 152, 165.	1.9	58
136	The Kepler-19 System: A Thick-envelope Super-Earth with Two Neptune-mass Companions Characterized Using Radial Velocities and Transit Timing Variations. Astronomical Journal, 2017, 153, 224.	1.9	58
137	A SEARCH FOR ADDITIONAL PLANETS IN THE NASA <i>EPOXI</i> OBSERVATIONS OF THE EXOPLANET SYSTEM CJ 436. Astrophysical Journal, 2010, 716, 1047-1059.	1.6	56
138	THE KEPLER-454 SYSTEM: A SMALL, NOT-ROCKY INNER PLANET, A JOVIAN WORLD, AND A DISTANT COMPANION. Astrophysical Journal, 2016, 816, 95.	1.6	55
139	Rejecting Astrophysical False Positives from the TrES Transiting Planet Survey: The Example of GSC 03885a^00829. Astrophysical Journal, 2006, 644, 1237-1245.	1.6	54
140	Multiepoch Radial Velocity Observations of L Dwarfs. Astrophysical Journal, 2007, 666, 1198-1204.	1.6	53
141	DETECTION OF PLANETARY EMISSION FROM THE EXOPLANET TrES-2 USING <i>SPITZER</i> /IRAC. Astrophysical Journal, 2010, 710, 1551-1556.	1.6	53
142	EXOPLANET CHARACTERIZATION BY PROXY: A TRANSITING 2.15 <i>R</i> _⊕ PLANET NEAR THE HABITABLE ZONE OF THE LATE K DWARF KEPLER-61. Astrophysical Journal, 2013, 773, 98.	1.6	53
143	The N2K Consortium. III. Shortâ€Period Planets Orbiting HD 149143 and HD 109749. Astrophysical Journal, 2006, 637, 1094-1101.	1.6	52
144	Ground-based Optical Transmission Spectroscopy of the Small, Rocky Exoplanet GJ 1132b. Astronomical Journal, 2018, 156, 42.	1.9	52

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145	ROTATIONAL VARIABILITY OF EARTH'S POLAR REGIONS: IMPLICATIONS FOR DETECTING SNOWBALL PLANETS. Astrophysical Journal, 2011, 731, 76.	1.6	50
146	NLTT 41135: A FIELD M DWARF + BROWN DWARF ECLIPSING BINARY IN A TRIPLE SYSTEM, DISCOVERED BY THE MEARTH OBSERVATORY. Astrophysical Journal, 2010, 718, 1353-1366.	1.6	49
147	SECONDARY ECLIPSE PHOTOMETRY OF THE EXOPLANET WASP-5b WITH WARM <i>SPITZER</i> Astrophysical Journal, 2013, 773, 124.	1.6	46
148	Flare Rates, Rotation Periods, and Spectroscopic Activity Indicators of a Volume-complete Sample of Mid- to Late-M Dwarfs within 15 pc. Astrophysical Journal, 2020, 905, 107.	1.6	45
149	Parameters and Predictions for the Longâ€Period Transiting Planet HD 17156b. Astrophysical Journal, 2008, 681, 636-643.	1.6	44
150	A PRECISE ESTIMATE OF THE RADIUS OF THE EXOPLANET HD 149026b FROM <i>SPITZER</i> PHOTOMETRY. Astrophysical Journal, 2009, 692, 229-235.	1.6	43
151	Characterizing K2 Candidate Planetary Systems Orbiting Low-mass Stars. I. Classifying Low-mass Host Stars Observed during Campaigns 1–7. Astrophysical Journal, 2017, 836, 167.	1.6	43
152	A Search for Additional Bodies in the GJ 1132 Planetary System from 21 Ground-based Transits and a 100-hr Spitzer Campaign. Astronomical Journal, 2017, 154, 142.	1.9	43
153	THE TRANSIT LIGHT CURVE PROJECT. VIII. SIX OCCULTATIONS OF THE EXOPLANET TrES-3. Astronomical Journal, 2008, 136, 267-271.	1.9	42
154	A Super-Earth and Sub-Neptune Transiting the Late-type M Dwarf LP 791-18. Astrophysical Journal Letters, 2019, 883, L16.	3.0	42
155	Two Young Planetary Systems around Field Stars with Ages between 20 and 320 Myr from TESS. Astronomical Journal, 2021, 161, 2.	1.9	42
156	A Spectroscopic Binary at the M/L Transition. Astrophysical Journal, 2008, 678, L125-L128.	1.6	40
157	Spectral Line Distortions in the Presence of a Close-in Planet. Astrophysical Journal, 1998, 507, L153-L156.	1.6	39
158	TrES-5: A MASSIVE JUPITER-SIZED PLANET TRANSITING A COOL G DWARF. Astrophysical Journal, 2011, 741, 114.	1.6	39
159	MASS AND RADIUS DETERMINATIONS FOR FIVE TRANSITING M-DWARF STARS. Astrophysical Journal, 2009, 701, 764-775.	1.6	37
160	Near-resonance in a System of Sub-Neptunes from TESS. Astronomical Journal, 2019, 158, 177.	1.9	34
161	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. Astronomical Journal, 2020, 160, 22.	1.9	33
162	CALIBRATION OF THE MEARTH PHOTOMETRIC SYSTEM: OPTICAL MAGNITUDES AND PHOTOMETRIC METALLICITY ESTIMATES FOR 1802 NEARBY M-DWARFS. Astrophysical Journal, 2016, 818, 153.	1.6	31

#	Article	IF	CITATIONS
163	GJ 1252 b: A 1.2 R _⊕ Planet Transiting an M3 Dwarf at 20.4 pc. Astrophysical Journal Letters, 2020, 890, L7.	3.0	31
164	A SEARCH FOR ADDITIONAL PLANETS IN FIVE OF THE EXOPLANETARY SYSTEMS STUDIED BY THE NASA <i>EPOXI</i> MISSION. Astrophysical Journal, 2011, 732, 41.	1.6	30
165	RESULTS FROM THE 2014 NOVEMBER 15TH MULTI-CHORD STELLAR OCCULTATION BY THE TNO (229762) 2007 UK ₁₂₆ . Astronomical Journal, 2016, 152, 156.	1.9	30
166	GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star. Science, 2021, 374, 1271-1275.	6.0	30
167	The First Habitable-zone Earth-sized Planet from TESS. II. Spitzer Confirms TOI-700 d. Astronomical Journal, 2020, 160, 117.	1.9	29
168	Spectropolarimetry and Modeling of the Eclipsing T Tauri Star KH 15D. Astrophysical Journal, 2004, 600, 781-788.	1.6	28
169	Four New Eclipsing Mid M-dwarf Systems from the New Luyten Two Tenths Catalog. Astronomical Journal, 2018, 156, 140.	1.9	27
170	A CENSUS OF ROTATION AND VARIABILITY IN L1495: A UNIFORM ANALYSIS OF TRANS-ATLANTIC EXOPLANET SURVEY LIGHT CURVES FOR PRE-MAIN-SEQUENCE STARS IN TAURUS. Astrophysical Journal, Supplement Series, 2012, 202, 7.	3.0	26
171	Discovery and Precise Characterization by the MEarth Project of LP 661-13, an Eclipsing Binary Consisting of Two Fully Convective Low-mass Stars. Astrophysical Journal, 2017, 836, 124.	1.6	26
172	A More Precise Mass for GJ 1214 b and the Frequency of Multiplanet Systems Around Mid-M Dwarfs. Astronomical Journal, 2021, 162, 174.	1.9	26
173	The Featureless HST/WFC3 Transmission Spectrum of the Rocky Exoplanet GJ 1132b: No Evidence for a Cloud-free Primordial Atmosphere and Constraints on Starspot Contamination. Astronomical Journal, 2022, 164, 59.	1.9	26
174	TOI-811b and TOI-852b: New Transiting Brown Dwarfs with Similar Masses and Very Different Radii and Ages from the TESS Mission. Astronomical Journal, 2021, 161, 97.	1.9	25
175	TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. Astronomical Journal, 2021, 162, 79.	1.9	25
176	Spectroscopy of Molecular Hydrogen Emission from KH 15D. Astrophysical Journal, 2004, 601, L87-L90.	1.6	23
177	An Increased Rate of Large Flares at Intermediate Rotation Periods for Mid-to-late M Dwarfs. Astrophysical Journal, 2019, 870, 10.	1.6	23
178	TESS Observations of the WASP-121 b Phase Curve. Astronomical Journal, 2021, 161, 131.	1.9	23
179	Tâ€Lyr1â€17236: A Longâ€Period Lowâ€Mass Eclipsing Binary. Astrophysical Journal, 2008, 687, 1253-1263.	1.6	23
180	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. Astronomical Journal, 2020, 160, 235.	1.9	23

#	Article	IF	CITATIONS
181	A Second Planet Transiting LTT 1445A and a Determination of the Masses of Both Worlds. Astronomical Journal, 2022, 163, 168.	1.9	23
182	TOI-530b: a giant planet transiting an M-dwarf detected by <i>TESS</i> . Monthly Notices of the Royal Astronomical Society, 2022, 511, 83-99.	1.6	23
183	An astro-comb calibrated solar telescope to search for the radial velocity signature of Venus. Proceedings of SPIE, 2016, , .	0.8	22
184	The Volume-complete Sample of M Dwarfs with Masses 0.1Ââ‰ÂM/M _⊙ Ââ‰Â0.3 within 15 Parse Astronomical Journal, 2021, 161, 63.	?cs. 1.9	22
185	Precise Transit and Radial-velocity Characterization of a Resonant Pair: The Warm Jupiter TOI-216c and Eccentric Warm Neptune TOI-216b. Astronomical Journal, 2021, 161, 161.	1.9	21
186	Outcome of Six Candidate Transiting Planets from a TrES Field in Andromeda. Astrophysical Journal, 2007, 662, 658-668.	1.6	20
187	The TESS-Keck Survey. III. A Stellar Obliquity Measurement of TOI-1726 c. Astronomical Journal, 2020, 160, 193.	1.9	20
188	LHS 1610A: A Nearby Mid-M Dwarf with a Companion That Is Likely a Brown Dwarf. Astronomical Journal, 2018, 155, 125.	1.9	19
189	An Accurate Mass Determination for Kepler-1655b, a Moderately Irradiated World with a Significant Volatile Envelope. Astronomical Journal, 2018, 155, 203.	1.9	19
190	Lyl $\hat{\textbf{i}}$ t in the GJ 1132 System: Stellar Emission and Planetary Atmospheric Evolution. Astronomical Journal, 2019, 158, 50.	1.9	19
191	The Magellan-TESS Survey. I. Survey Description and Midsurvey Results* â€. Astrophysical Journal, Supplement Series, 2021, 256, 33.	3.0	19
192	Populating the brown dwarf and stellar boundary: Five stars with transiting companions near the hydrogen-burning mass limit. Astronomy and Astrophysics, 2021, 652, A127.	2.1	18
193	Zodiacal Exoplanets in Time (ZEIT). IX. A Flat Transmission Spectrum and a Highly Eccentric Orbit for the Young Neptune K2-25b as Revealed by Spitzer. Astronomical Journal, 2020, 159, 32.	1.9	18
194	Optical Transmission Spectroscopy of the Terrestrial Exoplanet LHS 3844b from 13 Ground-based Transit Observations. Astronomical Journal, 2020, 160, 188.	1.9	18
195	MECI: A Method for Eclipsing Component Identification. Astrophysical Journal, 2006, 653, 647-656.	1.6	17
196	Detection Limits of Low-mass, Long-period Exoplanets Using Gaussian Processes Applied to HARPS-N Solar Radial Velocities. Astronomical Journal, 2021, 161, 287.	1.9	17
197	TOI-150b and TOI-163b: two transiting hot Jupiters, one eccentric and one inflated, revealed by TESS near and at the edge of the JWST CVZ. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1094-1110.	1.6	16
198	Simultaneous Optical Transmission Spectroscopy of a Terrestrial, Habitable-zone Exoplanet with Two Ground-based Multiobject Spectrographs. Astronomical Journal, 2020, 160, 27.	1.9	16

#	Article	IF	CITATIONS
199	TOI 540 b: A Planet Smaller than Earth Orbiting a Nearby Rapidly Rotating Low-mass Star. Astronomical Journal, 2021, 161, 23.	1.9	16
200	A Groundâ€based Search for Thermal Emission from the Exoplanet TrESâ€1. Publications of the Astronomical Society of the Pacific, 2007, 119, 616-622.	1.0	15
201	The MEarth project: searching for transiting habitable super-Earths around nearby M dwarfs. Proceedings of the International Astronomical Union, 2008, 4, 37-43.	0.0	15
202	A HIRES/KECK SPECTROSCOPIC INVESTIGATION OF THE MEASUREMENT OF SODIUM IN THE ATMOSPHERE OF HD 209458b. Astrophysical Journal, 2009, 696, 1355-1366.	1.6	15
203	ABSOLUTE PROPERTIES OF THE ECLIPSING TRIPLE STAR CO ANDROMEDAE: CONSTRAINTS ON CONVECTIVE CORE OVERSHOOTING. Astronomical Journal, 2010, 139, 2347-2359.	1.9	15
204	The K2 and TESS Synergy. I. Updated Ephemerides and Parameters for K2-114, K2-167, K2-237, and K2-261. Astronomical Journal, 2020, 160, 209.	1.9	15
205	A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions. Astronomical Journal, 2022, 163, 207.	1.9	15
206	An 11 Earth-mass, Long-period Sub-Neptune Orbiting a Sun-like Star. Astronomical Journal, 2019, 158, 165.	1.9	14
207	K2-291b: A Rocky Super-Earth in a 2.2 day Orbit [*] â€. Astronomical Journal, 2019, 157, 116.	1.9	13
208	TOI-1231 b: A Temperate, Neptune-sized Planet Transiting the Nearby M3 Dwarf NLTT 24399. Astronomical Journal, 2021, 162, 87.	1.9	13
209	TESS Discovery of a Super-Earth and Three Sub-Neptunes Hosted by the Bright, Sun-like Star HD 108236. Astronomical Journal, 2021, 161, 85.	1.9	13
210	Spectroscopic Orbits of 11 Nearby, Mid-to-late M-dwarf Binaries. Astronomical Journal, 2020, 159, 290.	1.9	11
211	The Science of Exoplanets and Their Systems. Astrobiology, 2013, 13, 793-813.	1.5	10
212	Using HARPS-N to characterize the long-period planets in the PH-2 and Kepler-103 systems. Monthly Notices of the Royal Astronomical Society, 2019, 490, 5103-5121.	1.6	10
213	The High-energy Spectrum of the Nearby Planet-hosting Inactive Mid-M Dwarf LHS 3844. Astronomical Journal, 2021, 162, 10.	1.9	10
214	Variability Timescales of Hα on Active Mid-to-late M dwarfs. Astrophysical Journal, 2022, 928, 185.	1.6	10
215	A LyÎ \pm Transit Left Undetected: the Environment and Atmospheric Behavior of K2-25b. Astronomical Journal, 2021, 162, 116.	1.9	9
216	TIC 278956474: Two Close Binaries in One Young Quadruple System Identified by TESS. Astronomical Journal, 2020, 160, 76.	1.9	9

#	Article	IF	Citations
217	Atmosphere out of that world. Nature, 2003, 422, 124-125.	13.7	8
218	Validation of 13 Hot and Potentially Terrestrial TESS Planets. Astronomical Journal, 2022, 163, 99.	1.9	8
219	The LHS 1678 System: Two Earth-sized Transiting Planets and an Astrometric Companion Orbiting an M Dwarf Near the Convective Boundary at 20 pc. Astronomical Journal, 2022, 163, 151.	1.9	6
220	The Ca ii H and K Rotation–Activity Relation in 53 Mid-to-late-type M Dwarfs. Astrophysical Journal, 2022, 929, 80.	1.6	6
221	TOI-1696: A Nearby M4 Dwarf with a 3 R _⊕ Planet in the Neptunian Desert. Astronomical Journal, 2022, 163, 298.	1.9	6
222	High-contrast observations of brown dwarf companion HRÂ2562ÂB with the vector Apodizing Phase Plate coronagraph. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3224-3238.	1.6	5
223	The TESS Mission Target Selection Procedure. Publications of the Astronomical Society of the Pacific, 2021, 133, 095002.	1.0	5
224	TOI-2285b: A 1.7 Earth-radius planet near the habitable zone around a nearby M dwarf. Publication of the Astronomical Society of Japan, 2022, 74, L1-L8.	1.0	5
225	The Young Planetary System K2-25: Constraints on Companions and Starspots. Astronomical Journal, 2020, 159, 83.	1.9	4
226	Reflected Light Observations of the Galilean Satellites from Cassini: A Test Bed for Cold Terrestrial Exoplanets. Astronomical Journal, 2020, 160, 238.	1.9	4
227	K2-79b and K2-222b: Mass Measurements of Two Small Exoplanets with Periods beyond 10 days that Overlap with Periodic Magnetic Activity Signals. Astronomical Journal, 2022, 163, 41.	1.9	3
228	A neptunian triplet. Nature, 2006, 441, 292-293.	13.7	2
229	Observations of Extrasolar Planets During the non-Cryogenic Spitzer Space Telescope Mission. AIP Conference Proceedings, 2007, , .	0.3	2
230	Preliminary Results on HAT-P-4, TrES-3, XO-2, and GJ 436 from the NASA EPOXI Mission. Proceedings of the International Astronomical Union, 2008, 4, 470-473.	0.0	2
231	Transits and secondary eclipses of HD 189733 with Spitzer. Proceedings of the International Astronomical Union, 2008, 4, 209-215.	0.0	2
232	Hubble's view of transiting planets. , 2006, , 1-12.		1
233	Probing the Outskirts of an Extrasolar Planet with HST Time-Series Photometry. Symposium - International Astronomical Union, 2004, 202, 72-74.	0.1	1
234	Detection of Planetary Emission from TrES-2 using <i>Spitzer</i> /IRAC. Proceedings of the International Astronomical Union, 2008, 4, 536-539.	0.0	1

#	Article	IF	CITATIONS
235	The Rise of the Vulcans. Proceedings of the International Astronomical Union, 2008, 4, 1-8.	0.0	1
236	The NASA <i>EPOXI</i> mission of opportunity to gather ultraprecise photometry of known transiting exoplanets. Proceedings of the International Astronomical Union, 2008, 4, 301-307.	0.0	1
237	Rotation Periods of Nearby, Mid-to-late M Dwarfs from the MEarth Project. Proceedings of the International Astronomical Union, 2015, 10, 124-125.	0.0	1
238	Searching for Planetary Companions to Ultracool Dwarfs: Planet Hunting in the Near Infrared. Proceedings of the International Astronomical Union, 2008, 4, 346-349.	0.0	0
239	A Precise Estimate of the Radius of HD 149026b. Proceedings of the International Astronomical Union, 2008, 4, 466-469.	0.0	O
240	Age, Activity and Rotation in Mid and Late-Type M Dwarfs from MEarth. Proceedings of the International Astronomical Union, 2013, 9, 176-179.	0.0	0