

David Charbonneau

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6703899/publications.pdf>

Version: 2024-02-01

240
papers

37,795
citations

4120

87
h-index

3173

186
g-index

242
all docs

242
docs citations

242
times ranked

7855
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Validation of 13 Hot and Potentially Terrestrial TESS Planets. <i>Astronomical Journal</i> , 2022, 163, 99.	1.9	8
3	K2-79b and K2-222b: Mass Measurements of Two Small Exoplanets with Periods beyond 10 days that Overlap with Periodic Magnetic Activity Signals. <i>Astronomical Journal</i> , 2022, 163, 41.	1.9	3
4	The LHS 1678 System: Two Earth-sized Transiting Planets and an Astrometric Companion Orbiting an M Dwarf Near the Convective Boundary at 20 pc. <i>Astronomical Journal</i> , 2022, 163, 151.	1.9	6
5	A Second Planet Transiting LTT 1445A and a Determination of the Masses of Both Worlds. <i>Astronomical Journal</i> , 2022, 163, 168.	1.9	23
6	Variability Timescales of H α on Active Mid-to-late M dwarfs. <i>Astrophysical Journal</i> , 2022, 928, 185.	1.6	10
7	TOI-530b: a giant planet transiting an M-dwarf detected by <i>TESS</i>. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 83-99.	1.6	23
8	The Ca ii H and K Rotation-Activity Relation in 53 Mid-to-late-type M Dwarfs. <i>Astrophysical Journal</i> , 2022, 929, 80.	1.6	6
9	A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions. <i>Astronomical Journal</i> , 2022, 163, 207.	1.9	15
10	TOI-1696: A Nearby M4 Dwarf with a 3 R _J Planet in the Neptunian Desert. <i>Astronomical Journal</i> , 2022, 163, 298.	1.9	6
11	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. <i>Astronomical Journal</i> , 2022, 164, 59.	1.9	26
12	The Volume-complete Sample of M Dwarfs with Masses 0.1 M _J _{âŠ™} ≤ 0.3 within 15 Parsecs. <i>Astronomical Journal</i> , 2021, 161, 63.	1.9	22
13	TOI-811b and TOI-852b: New Transiting Brown Dwarfs with Similar Masses and Very Different Radii and Ages from the TESS Mission. <i>Astronomical Journal</i> , 2021, 161, 97.	1.9	25
14	TESS Observations of the WASP-121 b Phase Curve. <i>Astronomical Journal</i> , 2021, 161, 131.	1.9	23
15	Precise Transit and Radial-velocity Characterization of a Resonant Pair: The Warm Jupiter TOI-216c and Eccentric Warm Neptune TOI-216b. <i>Astronomical Journal</i> , 2021, 161, 161.	1.9	21
16	Detection Limits of Low-mass, Long-period Exoplanets Using Gaussian Processes Applied to HARPS-N Solar Radial Velocities. <i>Astronomical Journal</i> , 2021, 161, 287.	1.9	17
17	The High-energy Spectrum of the Nearby Planet-hosting Inactive Mid-M Dwarf LHS 3844. <i>Astronomical Journal</i> , 2021, 162, 10.	1.9	10
18	The TESS Objects of Interest Catalog from the TESS Prime Mission. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 39.	3.0	190

#	ARTICLE	IF	CITATIONS
19	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
20	TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. Astronomical Journal, 2021, 162, 79.	1.9	25
21	A LyÎ± Transit Left Undetected: the Environment and Atmospheric Behavior of K2-25b. Astronomical Journal, 2021, 162, 116.	1.9	9
22	TOI-1231 b: A Temperate, Neptune-sized Planet Transiting the Nearby M3 Dwarf NLTT 24399. Astronomical Journal, 2021, 162, 87.	1.9	13
23	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
24	The TESS Mission Target Selection Procedure. Publications of the Astronomical Society of the Pacific, 2021, 133, 095002.	1.0	5
25	The Magellan-TESS Survey. I. Survey Description and Midsurvey Results* â€. Astrophysical Journal, Supplement Series, 2021, 256, 33.	3.0	19
26	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
27	Two Young Planetary Systems around Field Stars with Ages between 20 and 320 Myr from TESS. Astronomical Journal, 2021, 161, 2.	1.9	42
28	TOI 540 b: A Planet Smaller than Earth Orbiting a Nearby Rapidly Rotating Low-mass Star. Astronomical Journal, 2021, 161, 23.	1.9	16
29	Vetting of 384 TESS Objects of Interest with TRICERATOPS and Statistical Validation of 12 Planet Candidates. Astronomical Journal, 2021, 161, 24.	1.9	64
30	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
31	GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star. Science, 2021, 374, 1271-1275.	6.0	30
32	Spectroscopic Orbits of 11 Nearby, Mid-to-late M-dwarf Binaries. Astronomical Journal, 2020, 159, 290.	1.9	11
33	The Young Planetary System K2-25: Constraints on Companions and Starspots. Astronomical Journal, 2020, 159, 83.	1.9	4
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Simultaneous Optical Transmission Spectroscopy of a Terrestrial, Habitable-zone Exoplanet with Two Ground-based Multiobject Spectrographs. <i>Astronomical Journal</i> , 2020, 160, 27.	1.9	16
38	TIC 278956474: Two Close Binaries in One Young Quadruple System Identified by TESS. <i>Astronomical Journal</i> , 2020, 160, 76.	1.9	9
39	The First Habitable-zone Earth-sized Planet from TESS. II. Spitzer Confirms TOI-700 d. <i>Astronomical Journal</i> , 2020, 160, 117.	1.9	29
40	The K2 and TESS Synergy. I. Updated Ephemerides and Parameters for K2-114, K2-167, K2-237, and K2-261. <i>Astronomical Journal</i> , 2020, 160, 209.	1.9	15
41	Optical Transmission Spectroscopy of the Terrestrial Exoplanet LHS 3844b from 13 Ground-based Transit Observations. <i>Astronomical Journal</i> , 2020, 160, 188.	1.9	18
42	The TESS-Keck Survey. III. A Stellar Obliquity Measurement of TOI-1726 c. <i>Astronomical Journal</i> , 2020, 160, 193.	1.9	20
43	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. <i>Astronomical Journal</i> , 2020, 160, 235.	1.9	23
44	Flare Rates, Rotation Periods, and Spectroscopic Activity Indicators of a Volume-complete Sample of Mid- to Late-M Dwarfs within 15 pc. <i>Astrophysical Journal</i> , 2020, 905, 107.	1.6	45
45	GJ 1252 b: A 1.2 R_{\oplus} Planet Transiting an M3 Dwarf at 20.4 pc. <i>Astrophysical Journal Letters</i> , 2020, 890, L7.	3.0	31
46	Reflected Light Observations of the Galilean Satellites from Cassini: A Test Bed for Cold Terrestrial Exoplanets. <i>Astronomical Journal</i> , 2020, 160, 238.	1.9	4
47	Absence of a thick atmosphere on the terrestrial exoplanet LHS 3844b. <i>Nature</i> , 2019, 573, 87-90.	13.7	139
48	The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf. <i>Astronomical Journal</i> , 2019, 158, 32.	1.9	93
49	Three Red Suns in the Sky: A Transiting, Terrestrial Planet in a Triple M-dwarf System at 6.9 pc. <i>Astronomical Journal</i> , 2019, 158, 152.	1.9	59
50	An 11 Earth-mass, Long-period Sub-Neptune Orbiting a Sun-like Star. <i>Astronomical Journal</i> , 2019, 158, 165.	1.9	14
51	Using HARPS-N to characterize the long-period planets in the PH-2 and Kepler-103 systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 5103-5121.	1.6	10
52	A Super-Earth and Sub-Neptune Transiting the Late-type M Dwarf LP 791-18. <i>Astrophysical Journal Letters</i> , 2019, 883, L16.	3.0	42
53	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. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1094-1110.	1.6	16
54	L ₁ in the GJ 1132 System: Stellar Emission and Planetary Atmospheric Evolution. <i>Astronomical Journal</i> , 2019, 158, 50.	1.9	19

#	ARTICLE	IF	CITATIONS
55	The Revised TESS Input Catalog and Candidate Target List. <i>Astronomical Journal</i> , 2019, 158, 138.	1.9	577
56	TESS Discovery of an Ultra-short-period Planet around the Nearby M Dwarf LHS 3844. <i>Astrophysical Journal Letters</i> , 2019, 871, L24.	3.0	108
57	An Increased Rate of Large Flares at Intermediate Rotation Periods for Mid-to-late M Dwarfs. <i>Astrophysical Journal</i> , 2019, 870, 10.	1.6	23
58	K2-291b: A Rocky Super-Earth in a 2.2 day Orbit [*] â€. <i>Astronomical Journal</i> , 2019, 157, 116.	1.9	13
59	HARPS-N Solar RVs Are Dominated by Large, Bright Magnetic Regions. <i>Astrophysical Journal</i> , 2019, 874, 107.	1.6	59
60	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , 2019, 158, 177.	1.9	34
61	A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. <i>Astronomical Journal</i> , 2019, 157, 32.	1.9	83
62	An Ultra-short Period Rocky Super-Earth with a Secondary Eclipse and a Neptune-like Companion around K2-141. <i>Astronomical Journal</i> , 2018, 155, 107.	1.9	103
63	Four New Eclipsing Mid M-dwarf Systems from the New Luyten Two Tenths Catalog. <i>Astronomical Journal</i> , 2018, 156, 140.	1.9	27
64	New Rotation Period Measurements for M Dwarfs in the Southern Hemisphere: An Abundance of Slowly Rotating, Fully Convective Stars. <i>Astronomical Journal</i> , 2018, 156, 217.	1.9	78
65	TESS Discovery of a Transiting Super-Earth in the pi Mensae System. <i>Astrophysical Journal Letters</i> , 2018, 868, L39.	3.0	148
66	A Framework for Prioritizing the <i>TESS</i> Planetary Candidates Most Amenable to Atmospheric Characterization. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 114401.	1.0	314
67	LHS 1610A: A Nearby Mid-M Dwarf with a Companion That Is Likely a Brown Dwarf. <i>Astronomical Journal</i> , 2018, 155, 125.	1.9	19
68	Ground-based Optical Transmission Spectroscopy of the Small, Rocky Exoplanet GJ 1132b. <i>Astronomical Journal</i> , 2018, 156, 42.	1.9	52
69	An Accurate Mass Determination for Kepler-1655b, a Moderately Irradiated World with a Significant Volatile Envelope. <i>Astronomical Journal</i> , 2018, 155, 203.	1.9	19
70	Planetary Candidates Observed by <i>Kepler</i> . VIII. A Fully Automated Catalog with Measured Completeness and Reliability Based on Data Release 25. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 38.	3.0	316
71	A temperate rocky super-Earth transiting a nearby cool star. <i>Nature</i> , 2017, 544, 333-336.	13.7	275
72	The Kepler-19 System: A Thick-envelope Super-Earth with Two Neptune-mass Companions Characterized Using Radial Velocities and Transit Timing Variations. <i>Astronomical Journal</i> , 2017, 153, 224.	1.9	58

#	ARTICLE	IF	CITATIONS
73	Two massive rocky planets transiting a K-dwarf 6.5 parsecs away. <i>Nature Astronomy</i> , 2017, 1, .	4.2	84
74	Characterizing K2 Candidate Planetary Systems Orbiting Low-mass Stars. I. Classifying Low-mass Host Stars Observed during Campaigns 1–7. <i>Astrophysical Journal</i> , 2017, 836, 167.	1.6	43
75	Three-planet System: An Additional Non-transiting Super-Earth in the Bright HD 3167 System, and Masses for All Three Planets. <i>Astronomical Journal</i> , 2017, 154, 122.	1.9	90
76	THE H α EMISSION OF NEARBY M DWARFS AND ITS RELATION TO STELLAR ROTATION. <i>Astrophysical Journal</i> , 2017, 834, 85.	1.6	214
77	A Search for Additional Bodies in the GJ 1132 Planetary System from 21 Ground-based Transits and a 100-hr Spitzer Campaign. <i>Astronomical Journal</i> , 2017, 154, 142.	1.9	43
78	Discovery and Precise Characterization by the M-Planet Project of LP 661-13, an Eclipsing Binary Consisting of Two Fully Convective Low-mass Stars. <i>Astrophysical Journal</i> , 2017, 836, 124.	1.6	26
79	Precise Masses in the WASP-47 System. <i>Astronomical Journal</i> , 2017, 154, 237.	1.9	66
80	RESULTS FROM THE 2014 NOVEMBER 15TH MULTI-CHORD STELLAR OCCULTATION BY THE TNO (229762) 2007 UK ₁₂₆ . <i>Astronomical Journal</i> , 2016, 152, 156.	1.9	30
81	KEPLER-21b: A ROCKY PLANET AROUND A V=8.25 mag STAR*. <i>Astronomical Journal</i> , 2016, 152, 204.	1.9	80
82	A 1.9 EARTH RADIUS ROCKY PLANET AND THE DISCOVERY OF A NON-TRANSITING PLANET IN THE KEPLER-20 SYSTEM*. <i>Astronomical Journal</i> , 2016, 152, 160.	1.9	85
83	THE ROTATION AND GALACTIC KINEMATICS OF MID M DWARFS IN THE SOLAR NEIGHBORHOOD. <i>Astrophysical Journal</i> , 2016, 821, 93.	1.6	209
84	Transiting Exoplanet Studies and Community Targets for <i>JWST</i> 's Early Release Science Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 094401.	1.0	98
85	ZODIACAL EXOPLANETS IN TIME (ZEIT). III. A SHORT-PERIOD PLANET ORBITING A PRE-MAIN-SEQUENCE STAR IN THE UPPER SCORPIUS OB ASSOCIATION. <i>Astronomical Journal</i> , 2016, 152, 61.	1.9	156
86	THE ORBIT AND MASS OF THE THIRD PLANET IN THE KEPLER-56 SYSTEM. <i>Astronomical Journal</i> , 2016, 152, 165.	1.9	58
87	An astro-comb calibrated solar telescope to search for the radial velocity signature of Venus. <i>Proceedings of SPIE</i> , 2016, , .	0.8	22
88	THE IMPACT OF STELLAR ROTATION ON THE DETECTABILITY OF HABITABLE PLANETS AROUND M DWARFS. <i>Astrophysical Journal Letters</i> , 2016, 821, L19.	3.0	73
89	THE KEPLER-454 SYSTEM: A SMALL, NOT-ROCKY INNER PLANET, A JOVIAN WORLD, AND A DISTANT COMPANION. <i>Astrophysical Journal</i> , 2016, 816, 95.	1.6	55
90	CALIBRATION OF THE MEARTH PHOTOMETRIC SYSTEM: OPTICAL MAGNITUDES AND PHOTOMETRIC METALLICITY ESTIMATES FOR 1802 NEARBY M-DWARFS. <i>Astrophysical Journal</i> , 2016, 818, 153.	1.6	31

#	ARTICLE	IF	CITATIONS
91	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
92	AN ACTIVITYâ€“ROTATION RELATIONSHIP AND KINEMATIC ANALYSIS OF NEARBY MID-TO-LATE-TYPE M DWARFS. Astrophysical Journal, 2015, 812, 3.	1.6	127
93	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
94	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
95	AN EMPIRICAL CALIBRATION TO ESTIMATE COOL DWARF FUNDAMENTAL PARAMETERS FROM <i>H</i>-BAND SPECTRA. Astrophysical Journal, 2015, 800, 85.	1.6	87
96	THE MASS OF Kepler-93b AND THE COMPOSITION OF TERRESTRIAL PLANETS. Astrophysical Journal, 2015, 800, 135.	1.6	211
97	CHARACTERIZING K2 PLANET DISCOVERIES: A SUPER-EARTH TRANSITING THE BRIGHT K DWARF HIP 116454. Astrophysical Journal, 2015, 800, 59.	1.6	104
98	THE OCCURRENCE OF POTENTIALLY HABITABLE PLANETS ORBITING M DWARFS ESTIMATED FROM THE FULL <i>KEPLER</i> DATASET AND AN EMPIRICAL MEASUREMENT OF THE DETECTION SENSITIVITY. Astrophysical Journal, 2015, 807, 45.	1.6	751
99	A disintegrating minor planet transiting a white dwarf. Nature, 2015, 526, 546-549.	13.7	367
100	THE TRANSITING EXOPLANET SURVEY SATELLITE: SIMULATIONS OF PLANET DETECTIONS AND ASTROPHYSICAL FALSE POSITIVES. Astrophysical Journal, 2015, 809, 77.	1.6	415
101	HARPS-N OBSERVES THE SUN AS A STAR. Astrophysical Journal Letters, 2015, 814, L21.	3.0	112
102	A rocky planet transiting a nearby low-mass star. Nature, 2015, 527, 204-207.	13.7	204
103	Transiting Exoplanet Survey Satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2014, 1, 014003.	1.0	2,300
104	NEAR-INFRARED METALLICITIES, RADIAL VELOCITIES, AND SPECTRAL TYPES FOR 447 NEARBY M DWARFS. Astronomical Journal, 2014, 147, 20.	1.9	158
105	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
106	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
107	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
108	TRIGONOMETRIC PARALLAXES FOR 1507 NEARBY MID-TO-LATE M DWARFS. Astrophysical Journal, 2014, 784, 156.	1.6	89

#	ARTICLE	IF	CITATIONS
109	MASSES, RADII, AND ORBITS OF SMALL <i>KEPLER</i> PLANETS: THE TRANSITION FROM GASEOUS TO ROCKY PLANETS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 210, 20.	3.0	418
110	Transiting Exoplanet Survey Satellite (TESS). <i>Proceedings of SPIE</i> , 2014, , .	0.8	566
111	Thermal structure of an exoplanet atmosphere from phase-resolved emission spectroscopy. <i>Science</i> , 2014, 346, 838-841.	6.0	266
112	A PRECISE WATER ABUNDANCE MEASUREMENT FOR THE HOT JUPITER WASP-43b. <i>Astrophysical Journal Letters</i> , 2014, 793, L27.	3.0	297
113	THE 4.5 $\hat{1}$ / ₄ m FULL-ORBIT PHASE CURVE OF THE HOT JUPITER HD 209458b. <i>Astrophysical Journal</i> , 2014, 790, 53.	1.6	152
114	An Earth-sized planet with an Earth-like density. <i>Nature</i> , 2013, 503, 377-380.	13.7	199
115	The Science of Exoplanets and Their Systems. <i>Astrobiology</i> , 2013, 13, 793-813.	1.5	10
116	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</i> , 2013, 774, 95.	1.6	409
117	A sub-Mercury-sized exoplanet. <i>Nature</i> , 2013, 494, 452-454.	13.7	193
118	Kepler-62: A Five-Planet System with Planets of 1.4 and 1.6 Earth Radii in the Habitable Zone. <i>Science</i> , 2013, 340, 587-590.	6.0	213
119	ORBITAL PHASE VARIATIONS OF THE ECCENTRIC GIANT PLANET HAT-P-2b. <i>Astrophysical Journal</i> , 2013, 766, 95.	1.6	153
120	CONSTRAINTS ON PLANET OCCURRENCE AROUND NEARBY MID-TO-LATE M DWARFS FROM THE MEARTH PROJECT. <i>Astrophysical Journal</i> , 2013, 775, 91.	1.6	67
121	EXOPLANET CHARACTERIZATION BY PROXY: A TRANSITING 2.15 <i>R</i> _{Earth} PLANET NEAR THE HABITABLE ZONE OF THE LATE K DWARF KEPLER-61. <i>Astrophysical Journal</i> , 2013, 773, 98.	1.6	53
122	THE OCCURRENCE RATE OF SMALL PLANETS AROUND SMALL STARS. <i>Astrophysical Journal</i> , 2013, 767, 95.	1.6	604
123	SECONDARY ECLIPSE PHOTOMETRY OF THE EXOPLANET WASP-5b WITH WARM <i>SPITZER</i> . <i>Astrophysical Journal</i> , 2013, 773, 124.	1.6	46
124	THE FALSE POSITIVE RATE OF <i>KEPLER</i> AND THE OCCURRENCE OF PLANETS. <i>Astrophysical Journal</i> , 2013, 766, 81.	1.6	895
125	PLANETARY CANDIDATES OBSERVED BY <i>KEPLER</i> . III. ANALYSIS OF THE FIRST 16 MONTHS OF DATA. <i>Astrophysical Journal, Supplement Series</i> , 2013, 204, 24.	3.0	823
126	<i>WARM SPITZER</i> PHOTOMETRY OF THREE HOT JUPITERS: HAT-P-3b, HAT-P-4b AND HAT-P-12b. <i>Astrophysical Journal</i> , 2013, 770, 102.	1.6	71

#	ARTICLE	IF	CITATIONS
127	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
128	KEPLER-68: THREE PLANETS, ONE WITH A DENSITY BETWEEN THAT OF EARTH AND ICE GIANTS. Astrophysical Journal, 2013, 766, 40.	1.6	106
129	Two Earth-sized planets orbiting Kepler-20. Nature, 2012, 482, 195-198.	13.7	172
130	PLANET OCCURRENCE WITHIN 0.25 AU OF SOLAR-TYPE STARS FROM <i>KEPLER</i>. Astrophysical Journal, Supplement Series, 2012, 201, 15.	3.0	871
131	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
132	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
133	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
134	3.6 AND 4.5 Î¼m PHASE CURVES AND EVIDENCE FOR NON-EQUILIBRIUM CHEMISTRY IN THE ATMOSPHERE OF EXTRASOLAR PLANET HD 189733b. Astrophysical Journal, 2012, 754, 22.	1.6	264
135	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
136	KEPLER-20: A SUN-LIKE STAR WITH THREE SUB-NEPTUNE EXOPLANETS AND TWO EARTH-SIZE CANDIDATES. Astrophysical Journal, 2012, 749, 15.	1.6	125
137	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
138	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
139	Transit timing observations from Keplerâ€ƒ- 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
140	Earth as an Extrasolar Planet: Earth Model Validation Using EPOXI Earth Observations. Astrobiology, 2011, 11, 393-408.	1.5	161
141	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
142	<i>KEPLER</i>'S FIRST ROCKY PLANET: KEPLER-10b. Astrophysical Journal, 2011, 729, 27.	1.6	473
143	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
144	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

#	ARTICLE	IF	CITATIONS
145	ON THE ANGULAR MOMENTUM EVOLUTION OF FULLY CONVECTIVE STARS: ROTATION PERIODS FOR FIELD M-DWARFS FROM THE MEarth TRANSIT SURVEY. <i>Astrophysical Journal</i> , 2011, 727, 56.	1.6	209
146	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 EPOXI MISSION OF OPPORTUNITY. <i>Astrophysical Journal</i> , 2011, 726, 94.	1.6	64
147	ASTEROSEISMOLOGY OF THE TRANSITING EXOPLANET HOST HD 17156 WITH HUBBLE SPACE TELESCOPE FINE GUIDANCE SENSOR. <i>Astrophysical Journal</i> , 2011, 726, 2.	1.6	69
148	THE GJ1214 SUPER-EARTH SYSTEM: STELLAR VARIABILITY, NEW TRANSITS, AND A SEARCH FOR ADDITIONAL PLANETS. <i>Astrophysical Journal</i> , 2011, 736, 12.	1.6	140
149	MODELING KEPLER 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. <i>Astrophysical Journal</i> , 2011, 727, 24.	1.6	215
150	OBSERVATIONAL EVIDENCE FOR A METAL-RICH ATMOSPHERE ON THE SUPER-EARTH GJ1214b. <i>Astrophysical Journal Letters</i> , 2011, 731, L40.	3.0	148
151	ROTATIONAL VARIABILITY OF EARTH'S POLAR REGIONS: IMPLICATIONS FOR DETECTING SNOWBALL PLANETS. <i>Astrophysical Journal</i> , 2011, 731, 76.	1.6	50
152	TrES-5: A MASSIVE JUPITER-SIZED PLANET TRANSITING A COOL G DWARF. <i>Astrophysical Journal</i> , 2011, 741, 114.	1.6	39
153	THE KEPLER-19 SYSTEM: A TRANSITING 2.2 R _J PLANET AND A SECOND PLANET DETECTED VIA TRANSIT TIMING VARIATIONS. <i>Astrophysical Journal</i> , 2011, 743, 200.	1.6	130
154	A SPITZER TRANSMISSION SPECTRUM FOR THE EXOPLANET GJ 436b, EVIDENCE FOR STELLAR VARIABILITY, AND CONSTRAINTS ON DAYSIDE FLUX VARIATIONS. <i>Astrophysical Journal</i> , 2011, 735, 27.	1.6	115
155	A closely packed system of low-mass, low-density planets transiting Kepler-11. <i>Nature</i> , 2011, 470, 53-58.	13.7	553
156	CHARACTERISTICS OF KEPLER PLANETARY CANDIDATES BASED ON THE FIRST DATA SET. <i>Astrophysical Journal</i> , 2011, 728, 117.	1.6	313
157	THE HOT-JUPITER KEPLER-17b: DISCOVERY, OBLIQUITY FROM STROBOSCOPIC STARSPOTS, AND ATMOSPHERIC CHARACTERIZATION. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 14.	3.0	162
158	KEPLER-18b, c, AND d: A SYSTEM OF THREE PLANETS CONFIRMED BY TRANSIT TIMING VARIATIONS, LIGHT CURVE VALIDATION, WARM-SPITZER PHOTOMETRY, AND RADIAL VELOCITY MEASUREMENTS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 7.	3.0	171
159	DISCOVERY AND ATMOSPHERIC CHARACTERIZATION OF GIANT PLANET KEPLER-12b: AN INFLATED RADIUS OUTLIER. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 9.	3.0	82
160	KEPLER-10 c: A 2.2 EARTH RADIUS TRANSITING PLANET IN A MULTIPLE SYSTEM. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 5.	3.0	103
161	THE ATMOSPHERES OF THE HOT-JUPITERS KEPLER-5b AND KEPLER-6b OBSERVED DURING OCCULTATIONS WITH WARM-SPITZER AND KEPLER. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 11.	3.0	61
162	CHARACTERISTICS OF PLANETARY CANDIDATES OBSERVED BY KEPLER. II. ANALYSIS OF THE FIRST FOUR MONTHS OF DATA. <i>Astrophysical Journal</i> , 2011, 736, 19.	1.6	859

#	ARTICLE	IF	CITATIONS
163	THE BROADBAND INFRARED EMISSION SPECTRUM OF THE EXOPLANET TrES-3. <i>Astrophysical Journal</i> , 2010, 711, 374-379.	1.6	84
164	A SEARCH FOR ADDITIONAL PLANETS IN THE NASA EPOXI OBSERVATIONS OF THE EXOPLANET SYSTEM GJ 436. <i>Astrophysical Journal</i> , 2010, 716, 1047-1059.	1.6	56
165	THE NIRSPEC ULTRACOOL DWARF RADIAL VELOCITY SURVEY. <i>Astrophysical Journal</i> , 2010, 723, 684-706.	1.6	170
166	DETECTION OF PLANETARY EMISSION FROM THE EXOPLANET TrES-2 USING SPITZER/IRAC. <i>Astrophysical Journal</i> , 2010, 710, 1551-1556.	1.6	53
167	THE CLIMATE OF HD 189733b FROM FOURTEEN TRANSITS AND ECLIPSES MEASURED BY SPITZER. <i>Astrophysical Journal</i> , 2010, 721, 1861-1877.	1.6	266
168	NLTT 41135: A FIELD M DWARF + BROWN DWARF ECLIPSING BINARY IN A TRIPLE SYSTEM, DISCOVERED BY THE MEARTH OBSERVATORY. <i>Astrophysical Journal</i> , 2010, 718, 1353-1366.	1.6	49
169	ABSOLUTE PROPERTIES OF THE ECLIPSING TRIPLE STAR CO ANDROMEDAE: CONSTRAINTS ON CONVECTIVE CORE OVERSHOOTING. <i>Astronomical Journal</i> , 2010, 139, 2347-2359.	1.9	15
170	Kepler-9: A System of Multiple Planets Transiting a Sun-Like Star, Confirmed by Timing Variations. <i>Science</i> , 2010, 330, 51-54.	6.0	339
171	STUDYING THE ATMOSPHERE OF THE EXOPLANET HAT-P-7b VIA SECONDARY ECLIPSE MEASUREMENTS WITH EPOXI, SPITZER, AND KEPLER. <i>Astrophysical Journal</i> , 2010, 710, 97-104.	1.6	103
172	A Search for a Sub-Earth-Sized Companion to GJ 436 and a Novel Method to Calibrate Warm Spitzer/IRAC Observations. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1341-1352.	1.0	92
173	Kepler Planet-Detection Mission: Introduction and First Results. <i>Science</i> , 2010, 327, 977-980.	6.0	2,848
174	GJ 3236: A NEW BRIGHT, VERY LOW MASS ECLIPSING BINARY SYSTEM DISCOVERED BY THE MEARTH OBSERVATORY. <i>Astrophysical Journal</i> , 2009, 701, 1436-1449.	1.6	84
175	A NEW SPECTROSCOPIC AND PHOTOMETRIC ANALYSIS OF THE TRANSITING PLANET SYSTEMS TrES-3 AND TrES-4. <i>Astrophysical Journal</i> , 2009, 691, 1145-1158.	1.6	106
176	A PRECISE ESTIMATE OF THE RADIUS OF THE EXOPLANET HD 149026b FROM SPITZER/PHOTOMETRY. <i>Astrophysical Journal</i> , 2009, 692, 229-235.	1.6	43
177	A HIRES/KECK SPECTROSCOPIC INVESTIGATION OF THE MEASUREMENT OF SODIUM IN THE ATMOSPHERE OF HD 209458b. <i>Astrophysical Journal</i> , 2009, 696, 1355-1366.	1.6	15
178	MASS AND RADIUS DETERMINATIONS FOR FIVE TRANSITING M-DWARF STARS. <i>Astrophysical Journal</i> , 2009, 701, 764-775.	1.6	37
179	ABSOLUTE PROPERTIES OF THE LOW-MASS ECLIPSING BINARY CM DRACONIS. <i>Astrophysical Journal</i> , 2009, 691, 1400-1411.	1.6	145
180	DETECTION OF A TEMPERATURE INVERSION IN THE BROADBAND INFRARED EMISSION SPECTRUM OF TrES-4. <i>Astrophysical Journal</i> , 2009, 691, 866-874.	1.6	96

#	ARTICLE	IF	CITATIONS
181	THE 8 $\hat{1}$ / ₄ m PHASE VARIATION OF THE HOT SATURN HD 149026b. <i>Astrophysical Journal</i> , 2009, 703, 769-784.	1.6	116
182	MULTIWAVELENGTH CONSTRAINTS ON THE DAY-NIGHT CIRCULATION PATTERNS OF HD 189733b. <i>Astrophysical Journal</i> , 2009, 690, 822-836.	1.6	204
183	A super-Earth transiting a nearby low-mass star. <i>Nature</i> , 2009, 462, 891-894.	13.7	672
184	ALIEN MAPS OF AN OCEAN-BEARING WORLD. <i>Astrophysical Journal</i> , 2009, 700, 915-923.	1.6	188
185	ATMOSPHERIC CIRCULATION OF HOT JUPITERS: COUPLED RADIATIVE-DYNAMICAL GENERAL CIRCULATION MODEL SIMULATIONS OF HD 189733b and HD 209458b. <i>Astrophysical Journal</i> , 2009, 699, 564-584.	1.6	475
186	Strong water absorption in the dayside emission spectrum of the planet HD 189733b. <i>Nature</i> , 2008, 456, 767-769.	13.7	252
187	Design Considerations for a Ground-Based Transit Search for Habitable Planets Orbiting M Dwarfs. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 317-327.	1.0	308
188	Preliminary Results on HAT-P-4, TrES-3, XO-2, and GJ 436 from the NASA EPOXI Mission. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 470-473.	0.0	2
189	Detection of Planetary Emission from TrES-2 using <i>Spitzer</i> /IRAC. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 536-539.	0.0	1
190	The Rise of the Vulcans. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 1-8.	0.0	1
191	The MEarth project: searching for transiting habitable super-Earths around nearby M dwarfs. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 37-43.	0.0	15
192	Transits and secondary eclipses of HD 189733 with <i>Spitzer</i> . <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 209-215.	0.0	2
193	The NASA <i>EPOXI</i> mission of opportunity to gather ultraprecise photometry of known transiting exoplanets. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 301-307.	0.0	1
194	Searching for Planetary Companions to Ultracool Dwarfs: Planet Hunting in the Near Infrared. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 346-349.	0.0	0
195	A Precise Estimate of the Radius of HD 149026b. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 466-469.	0.0	0
196	The 3.6–8.0 $\hat{1}$ / ₄ m Broadband Emission Spectrum of HD 209458b: Evidence for an Atmospheric Temperature Inversion. <i>Astrophysical Journal</i> , 2008, 673, 526-531.	1.6	386
197	A Spectroscopic Binary at the M/L Transition. <i>Astrophysical Journal</i> , 2008, 678, L125-L128.	1.6	40
198	THE TRANSIT LIGHT CURVE PROJECT. VIII. SIX OCCULTATIONS OF THE EXOPLANET TrES-3. <i>Astronomical Journal</i> , 2008, 136, 267-271.	1.9	42

#	ARTICLE	IF	CITATIONS
199	Parameters and Predictions for the Long-Period Transiting Planet HD 17156b. <i>Astrophysical Journal</i> , 2008, 681, 636-643.	1.6	44
200	IDENTIFICATION, CLASSIFICATIONS, AND ABSOLUTE PROPERTIES OF 773 ECLIPSING BINARIES FOUND IN THE TRANS-ATLANTIC EXOPLANET SURVEY. <i>Astronomical Journal</i> , 2008, 135, 850-877.	1.9	66
201	The Broadband Infrared Emission Spectrum of the Exoplanet HD 189733b. <i>Astrophysical Journal</i> , 2008, 686, 1341-1348.	1.6	253
202	τAra 17236: A Long-Period Low-Mass Eclipsing Binary. <i>Astrophysical Journal</i> , 2008, 687, 1253-1263.	1.6	23
203	Observations of Extrasolar Planets During the non-Cryogenic Spitzer Space Telescope Mission. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	2
204	Using Stellar Limb-Darkening to Refine the Properties of HD 209458b. <i>Astrophysical Journal</i> , 2007, 655, 564-575.	1.6	225
205	TrES-4: A Transiting Hot Jupiter of Very Low Density. <i>Astrophysical Journal</i> , 2007, 667, L195-L198.	1.6	120
206	The Transit Light Curve (TLC) Project. VI. Three Transits of the Exoplanet TrES-2. <i>Astrophysical Journal</i> , 2007, 664, 1185-1189.	1.6	82
207	Improving Stellar and Planetary Parameters of Transiting Planet Systems: The Case of TrES-2. <i>Astrophysical Journal</i> , 2007, 664, 1190-1198.	1.6	272
208	TrES-3: A Nearby, Massive, Transiting Hot Jupiter in a 31 Hour Orbit. <i>Astrophysical Journal</i> , 2007, 663, L37-L40.	1.6	115
209	Multiepoch Radial Velocity Observations of L Dwarfs. <i>Astrophysical Journal</i> , 2007, 666, 1198-1204.	1.6	53
210	Outcome of Six Candidate Transiting Planets from a TrES Field in Andromeda. <i>Astrophysical Journal</i> , 2007, 662, 658-668.	1.6	20
211	A Ground-based Search for Thermal Emission from the Exoplanet TrES-1. <i>Publications of the Astronomical Society of the Pacific</i> , 2007, 119, 616-622.	1.0	15
212	A map of the day-night contrast of the extrasolar planet HD 189733b. <i>Nature</i> , 2007, 447, 183-186.	13.7	650
213	Precise Radius Estimates for the Exoplanets WASP-1b and WASP-2b. <i>Astrophysical Journal</i> , 2007, 658, 1322-1327.	1.6	79
214	Hubble's view of transiting planets. , 2006, , 1-12.		1
215	The Transit Light Curve Project. I. Four Consecutive Transits of the Exoplanet XO-1b. <i>Astrophysical Journal</i> , 2006, 652, 1715-1723.	1.6	193
216	MECI: A Method for Eclipsing Component Identification. <i>Astrophysical Journal</i> , 2006, 653, 647-656.	1.6	17

#	ARTICLE	IF	CITATIONS
217	TrES-2: The First Transiting Planet in the Kepler Field. <i>Astrophysical Journal</i> , 2006, 651, L61-L64.	1.6	185
218	Transit Photometry of the Core-dominated Planet HD 149026b. <i>Astrophysical Journal</i> , 2006, 636, 445-452.	1.6	82
219	Resolving the Surfaces of Extrasolar Planets with Secondary Eclipse Light Curves. <i>Astrophysical Journal</i> , 2006, 649, 1020-1027.	1.6	89
220	The N2K Consortium. III. Short-Period Planets Orbiting HD 149143 and HD 109749. <i>Astrophysical Journal</i> , 2006, 637, 1094-1101.	1.6	52
221	Rejecting Astrophysical False Positives from the TrES Transiting Planet Survey: The Example of GSC 03885â ^o 00829. <i>Astrophysical Journal</i> , 2006, 644, 1237-1245.	1.6	54
222	A neptunian triplet. <i>Nature</i> , 2006, 441, 292-293.	13.7	2
223	A New Search for Carbon Monoxide Absorption in the Transmission Spectrum of the Extrasolar Planet HD 209458b. <i>Astrophysical Journal</i> , 2005, 622, 1149-1159.	1.6	93
224	The Challenge of Wide-Field Transit Surveys: The Case of GSC 01944â ^o 02289. <i>Astrophysical Journal</i> , 2005, 621, 1061-1071.	1.6	64
225	Detection of Thermal Emission from an Extrasolar Planet. <i>Astrophysical Journal</i> , 2005, 626, 523-529.	1.6	569
226	Measurement of Spin-Orbit Alignment in an Extrasolar Planetary System. <i>Astrophysical Journal</i> , 2005, 631, 1215-1226.	1.6	288
227	Probing the Outskirts of an Extrasolar Planet with HST Time-Series Photometry. <i>Symposium - International Astronomical Union</i> , 2004, 202, 72-74.	0.1	1
228	Spectroscopy of Molecular Hydrogen Emission from KH 15D. <i>Astrophysical Journal</i> , 2004, 601, L87-L90.	1.6	23
229	Spectropolarimetry and Modeling of the Eclipsing T Tauri Star KH 15D. <i>Astrophysical Journal</i> , 2004, 600, 781-788.	1.6	28
230	TrES-1: The Transiting Planet of a Bright K0 V Star. <i>Astrophysical Journal</i> , 2004, 613, L153-L156.	1.6	370
231	High-Resolution Spectroscopy of the Transiting Planet Host Star TrES-1. <i>Astrophysical Journal</i> , 2004, 616, L167-L170.	1.6	78
232	Atmosphere out of that world. <i>Nature</i> , 2003, 422, 124-125.	13.7	8
233	Detection of an Extrasolar Planet Atmosphere. <i>Astrophysical Journal</i> , 2002, 568, 377-384.	1.6	1,083
234	A Search for CO Absorption in the Transmission Spectrum of HD 209458b. <i>Publications of the Astronomical Society of the Pacific</i> , 2002, 114, 826-832.	1.0	65

#	ARTICLE	IF	CITATIONS
235	Hubble Space Telescope Time Series Photometry of the Transiting Planet of HD 209458. <i>Astrophysical Journal</i> , 2001, 552, 699-709.	1.6	502
236	The Spectroscopic Orbit of the Planetary Companion Transiting HD 209458. <i>Astrophysical Journal</i> , 2000, 532, L55-L58.	1.6	257
237	Detection of Planetary Transits Across a Sun-like Star. <i>Astrophysical Journal</i> , 2000, 529, L45-L48.	1.6	1,189
238	Multicolor Observations of a Planetary Transit of HD 209458. <i>Astrophysical Journal</i> , 2000, 540, L45-L48.	1.6	71
239	An Upper Limit on the Reflected Light from the Planet Orbiting the Star ϵ , Bootis. <i>Astrophysical Journal</i> , 1999, 522, L145-L148.	1.6	151
240	Spectral Line Distortions in the Presence of a Close-in Planet. <i>Astrophysical Journal</i> , 1998, 507, L153-L156.	1.6	39