Peter Plavchan

List of Publications by Year
in descending order

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93	5,231	117625	95266
papers	citations	34 h-index	68 g-index

94	94	94	3901
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Revised TESS Input Catalog and Candidate Target List. Astronomical Journal, 2019, 158, 138.	4.7	577
2	The TESS Input Catalog and Candidate Target List. Astronomical Journal, 2018, 156, 102.	4.7	433
3	CSI 2264: SIMULTANEOUS OPTICAL AND INFRARED LIGHT CURVES OF YOUNG DISK-BEARING STARS IN NGC 2264 WITHCoRoTandSPITZERâ€"EVIDENCE FOR MULTIPLE ORIGINS OF VARIABILITY. Astronomical Journal, 2014, 147, 82.	4.7	307
4	PLANETARY CANDIDATES OBSERVED BY KEPLER . VI. PLANET SAMPLE FROM Q1â€"Q16 (47 MONTHS). Astrophysical Journal, Supplement Series, 2015, 217, 31.	7.7	234
5	A HIGH-PRECISION NEAR-INFRARED SURVEY FOR RADIAL VELOCITY VARIABLE LOW-MASS STARS USING CSHELL AND A METHANE GAS CELL. Astrophysical Journal, 2016, 822, 40.	4.5	225
6	WEATHER ON OTHER WORLDS. II. SURVEY RESULTS: SPOTS ARE UBIQUITOUS ON L AND T DWARFS. Astrophysical Journal, 2015, 799, 154.	4.5	206
7	NEW DEBRIS DISKS AROUND YOUNG, LOW-MASS STARS DISCOVERED WITH THESPITZER SPACE TELESCOPE. Astrophysical Journal, 2009, 698, 1068-1094.	4.5	160
8	THE LAST GASP OF GAS GIANT PLANET FORMATION: ASPITZERSTUDY OF THE 5 Myr OLD CLUSTER NGC 2362. Astrophysical Journal, 2009, 698, 1-27.	4.5	147
9	A planet within the debris disk around the pre-main-sequence star AU Microscopii. Nature, 2020, 582, 497-500.	27.8	145
10	CHARACTERIZING THE VARIABILITY OF STARS WITH EARLY-RELEASEKEPLERDATA. Astronomical Journal, 2011, 141, 108.	4.7	134
11	CSI 2264: CHARACTERIZING ACCRETION-BURST DOMINATED LIGHT CURVES FOR YOUNG STARS IN NGC 2264. Astronomical Journal, 2014, 147, 83.	4.7	105
12	Where Are the M Dwarf Disks Older Than 10 Million Years?. Astrophysical Journal, 2005, 631, 1161-1169.	4.5	104
13	Nearâ€Infrared Variability in the 2MASS Calibration Fields: A Search for Planetary Transit Candidates. Astrophysical Journal, Supplement Series, 2008, 175, 191-228.	7.7	98
14	THE PTF ORION PROJECT: A POSSIBLE PLANET TRANSITING A T-TAURI STAR. Astrophysical Journal, 2012, 755, 42.	4.5	97
15	Large impacts around a solar-analog star in the era of terrestrial planet formation. Science, 2014, 345, 1032-1035.	12.6	83
16	CSI 2264: CHARACTERIZING YOUNG STARS IN NGC 2264 WITH SHORT-DURATION PERIODIC FLUX DIPS IN THEIR LIGHT CURVES. Astronomical Journal, 2015, 149, 130.	4.7	82
17	Radial velocity planet detection biases at the stellar rotational period. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3565-3573.	4.4	81
18	TESS Spots a Compact System of Super-Earths around the Naked-eye Star HR 858. Astrophysical Journal Letters, 2019, 881, L19.	8.3	80

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19	Miniature Exoplanet Radial Velocity Array I: design, commissioning, and early photometric results. Journal of Astronomical Telescopes, Instruments, and Systems, 2015, 1, 027002.	1.8	72
20	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. Astronomical Journal, 2019, 157, 245.	4.7	72
21	DIRECT DETECTION AND ORBITAL ANALYSIS OF THE EXOPLANETS HR 8799 bcd FROM ARCHIVAL 2005 KECK/NIRC2 DATA. Astrophysical Journal Letters, 2012, 755, L34.	8.3	67
22	The First Habitable-zone Earth-sized Planet from TESS. I. Validation of the TOI-700 System. Astronomical Journal, 2020, 160, 116.	4.7	67
23	Minerva-Australis. I. Design, Commissioning, and First Photometric Results. Publications of the Astronomical Society of the Pacific, 2019, 131, 115003.	3.1	65
24	A YOUNG PLANETARY-MASS OBJECT IN THE Ï•OPH CLOUD CORE. Astrophysical Journal Letters, 2010, 709, L158-L162.	8.3	57
25	Investigating the young AUÂMic system with SPIRou: large-scale stellar magnetic field and close-in planet mass. Monthly Notices of the Royal Astronomical Society, 2021, 502, 188-205.	4.4	57
26	HUBBLE SPACE TELESCOPEOBSERVATIONS OF THE HD 202628 DEBRIS DISK. Astronomical Journal, 2012, 144, 45.	4.7	56
27	The Peculiar Periodic YSO WL 4 in Ï•Ophiuchus. Astrophysical Journal, 2008, 684, L37-L40.	4.5	55
28	Investigation of Kepler Objects of Interest Stellar Parameters from Observed Transit Durations. Publications of the Astronomical Society of the Pacific, 2014, 126, 34-47.	3.1	55
29	WEATHER ON OTHER WORLDS. I. DETECTION OF PERIODIC VARIABILITY IN THE L3 DWARF DENIS-P J1058.7-1548 WITH PRECISE MULTI-WAVELENGTH PHOTOMETRY. Astrophysical Journal, 2013, 767, 173.	4.5	52
30	STARS DO NOT EAT THEIR YOUNG MIGRATING PLANETS: EMPIRICAL CONSTRAINTS ON PLANET MIGRATION HALTING MECHANISMS. Astrophysical Journal, 2013, 769, 86.	4.5	49
31	Limits on the Spinâ€“Orbit Angle and Atmospheric Escape for the 22 Myr Old Planet AU Mic b*. Astrophysical Journal Letters, 2020, 899, L13.	8.3	49
32	The KELT Follow-up Network and Transit False-positive Catalog: Pre-vetted False Positives for TESS. Astronomical Journal, 2018, 156, 234.	4.7	46
33	A MONITORING CAMPAIGN FOR LUHMAN 16AB. I. DETECTION OF RESOLVED NEAR-INFRARED SPECTROSCOPIC VARIABILITY. Astrophysical Journal, 2014, 785, 48.	4.5	45
34	The Application of Cloud Computing to Astronomy: A Study of Cost and Performance. , 2010, , .		42
35	PERIODIC AND APERIODIC VARIABILITY IN THE MOLECULAR CLOUD Ï•OPHIUCHUS. Astrophysical Journal, Supplement Series, 2014, 211, 3.	7.7	42
36	FOLLOW-UP OBSERVATIONS OF PTFO 8-8695: A 3 MYR OLD T TAURI STAR HOSTING A JUPITER-MASS PLANETARY CANDIDATE. Astrophysical Journal, 2015, 809, 42.	4.5	40

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37	Diving Beneath the Sea of Stellar Activity: Chromatic Radial Velocities of the Young AU Mic Planetary System. Astronomical Journal, 2021, 162, 295.	4.7	39
38	ASpitzerStudy of Debris Disks in the Young Nearby Cluster NGC 2232: Icy Planets Are Common around â¼1.5â€“3M_{âŠ™}Stars. Astrophysical Journal, 2008, 688, 597-615.	4.5	36
39	THE PALOMAR TRANSIENT FACTORY ORION PROJECT: ECLIPSING BINARIES AND YOUNG STELLAR OBJECTS. Astronomical Journal, 2011, 142, 60.	4.7	36
40	Design and Construction of Absorption Cells for Precision Radial Velocities in theKBand Using Methane Isotopologues. Publications of the Astronomical Society of the Pacific, 2012, 124, 586-597.	3.1	35
41	YSOVAR: MID-INFRARED VARIABILITY IN NGC 1333. Astronomical Journal, 2015, 150, 175.	4.7	34
42	TOI-257b (HD 19916b): a warm sub-saturn orbiting an evolved F-type star. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3704-3722.	4.4	33
43	DEEP NEAR-INFRARED IMAGING OF THE Ï•Oph CLOUD CORE: CLUES TO THE ORIGIN OF THE LOWEST-MASS BROWN DWARFS. Astrophysical Journal, 2010, 719, 550-560.	4.5	32
44	TOI-677b: A Warm Jupiter (P = 11.2 days) on an Eccentric Orbit Transiting a Late F-type Star. Astronomical Journal, 2020, 159, 145.	4.7	32
45	Precise Radial Velocities of Cool Low-mass Stars with iSHELL. Astronomical Journal, 2019, 158, 170.	4.7	31
46	Weather on Other Worlds. V. The Three Most Rapidly Rotating Ultra-cool Dwarfs. Astronomical Journal, 2021, 161, 224.	4.7	30
47	KECK/NIRC2 IMAGING OF THE WARPED, ASYMMETRIC DEBRIS DISK AROUND HD 32297. Astrophysical Journal, 2012, 757, 28.	4.5	29
48	Flares, Rotation, and Planets of the AU Mic System from TESS Observations. Astronomical Journal, 2022, 163, 147.	4.7	28
49	The CARMENES search for exoplanets around M dwarfs. Astronomy and Astrophysics, 2020, 644, A127.	5.1	27
50	WHAT IS THE MASS OF $alpha $ CEN B ${m b}$?. Astrophysical Journal, 2015, 805, 174.	4.5	26
51	The dichotomy of atmospheric escape in AU Mic b. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 498, L53-L57.	3.3	26
52	KELT-25 b and KELT-26 b: A Hot Jupiter and a Substellar Companion Transiting Young A Stars Observed by TESS*. Astronomical Journal, 2020, 160, 111.	4.7	26
53	SPITZER IRAC SPARSELY SAMPLED PHASE CURVE OF THE EXOPLANET WASP-14B. Astrophysical Journal, 2016, 824, 27.	4.5	25
54	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. Astronomical Journal, 2020, 160, 235.	4.7	23

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55	Accurate Coordinates and 2MASS Cross Identifications for (Almost) All Gliese Catalog Star. Publications of the Astronomical Society of the Pacific, 2010, 122, 885-897.	3.1	22
56	TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. Astronomical Journal, 2021, 161, 194.	4.7	22
57	An Unusual Transmission Spectrum for the Sub-Saturn KELT-11b Suggestive of a Subsolar Water Abundance. Astronomical Journal, 2020, 160, 280.	4.7	21
58	A Transiting Warm Giant Planet around the Young Active Star TOI-201. Astronomical Journal, 2021, 161, 235.	4.7	20
59	YSOVAR: MID-INFRARED VARIABILITY OF YOUNG STELLAR OBJECTS AND THEIR DISKS IN THE CLUSTER IRAS 20050+2720. Astronomical Journal, 2015, 150, 118.	4.7	19
60	TOI-431/HIP 26013: a super-Earth and a sub-Neptune transiting a bright, early K dwarf, with a third RV planet. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2782-2803.	4.4	19
61	The Youngest Planet to Have a Spin-Orbit Alignment Measurement AU Mic b. Astronomical Journal, 2021, 162, 137.	4.7	19
62	The Magellan-TESS Survey. I. Survey Description and Midsurvey Results* â€. Astrophysical Journal, Supplement Series, 2021, 256, 33.	7.7	19
63	YSOVAR: MID-INFRARED VARIABILITY AMONG YSOs IN THE STAR FORMATION REGION GGD12-15. Astronomical Journal, 2015, 150, 145.	4.7	18
64	Joint Radial Velocity and Direct Imaging Planet Yield Calculations. I. Self-consistent Planet Populations. Astrophysical Journal, 2020, 893, 122.	4.5	17
65	PERIOD ERROR ESTIMATION FOR THE KEPLER ECLIPSING BINARY CATALOG. Astronomical Journal, 2013, 145, 148.	4.7	16
66	YSOVAR: Mid-infrared Variability among YSOs in the Star Formation Region Serpens South. Astronomical Journal, 2018, 155, 99.	4.7	16
67	TOI-3362b: A Proto Hot Jupiter Undergoing High-eccentricity Tidal Migration. Astrophysical Journal Letters, 2021, 920, L16.	8.3	16
68	A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions. Astronomical Journal, 2022, 163, 207.	4.7	15
69	Potential Drivers of Mid-Infrared Variability in Young Stars: Testing Physical Models with Multiepoch Near-Infrared Spectra of YSOs in Ï•Oph. Publications of the Astronomical Society of the Pacific, 2012, 124, 1137-1158.	3.1	14
70	A Mini-Neptune from TESS and CHEOPS Around the 120 Myr Old AB Dor Member HIP 94235. Astronomical Journal, 2022, 163, 289.	4.7	11
71	PHOTO-REVERBERATION MAPPING OF A PROTOPLANETARY ACCRETION DISK AROUND A T TAURI STAR. Astrophysical Journal, 2016, 823, 58.	4.5	10
72	First Radial Velocity Results From the MINiature Exoplanet Radial Velocity Array (MINERVA). Publications of the Astronomical Society of the Pacific, 2019, 131, 115001.	3.1	10

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73	Transit Timing Variations for AU Microscopii b and c. Astronomical Journal, 2022, 164, 27.	4.7	10
74	NEMESIS: Exoplanet Transit Survey of Nearby M-dwarfs in TESS FFIs. I.. Astronomical Journal, 2021, 161, 247.	4.7	9
75	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. Astronomical Journal, 2021, 161, 82.	4.7	8
76	Validation of 13 Hot and Potentially Terrestrial TESS Planets. Astronomical Journal, 2022, 163, 99.	4.7	8
77	The TESS-Keck Survey. XI. Mass Measurements for Four Transiting Sub-Neptunes Orbiting K Dwarf TOIâ€“1246. Astronomical Journal, 2022, 163, 293.	4.7	7
78	TOI-1842b: A Transiting Warm Saturn Undergoing Reinflation around an Evolving Subgiant. Astronomical Journal, 2022, 163, 82.	4.7	6
79	Orbital Dynamics and the Evolution of Planetary Habitability in the AU Mic System. Astronomical Journal, 2022, 163, 20.	4.7	6
80	A Full Implementation of Spectro-perfectionism for Precise Radial Velocity Exoplanet Detection: A Test Case With the MINERVA Reduction Pipeline. Publications of the Astronomical Society of the Pacific, 2019, 131, 124503.	3.1	5
81	Herschel Observations of Disks around Late-type Stars. Publications of the Astronomical Society of the Pacific, 2020, 132, 084401.	3.1	5
82	Toward Complete Characterization: Prospects for Directly Imaging Transiting Exoplanets. Astronomical Journal, 2020, 159, 286.	4.7	5
83	Spectral Line Depth Variability in Radial Velocity Spectra. Astrophysical Journal, 2022, 930, 121.	4.5	5
84	A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620. Astronomical Journal, 2022, 163, 269.	4.7	4
85	HD 83443c: A Highly Eccentric Giant Planet on a 22 yr Orbit. Astronomical Journal, 2022, 163, 273.	4.7	4
86	HD 183579b: a warm sub-Neptune transiting a solar twin detected by TESS. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2220-2240.	4.4	3
87	Application of the Trend Filtering Algorithm for Photometric Time Series Data. Publications of the Astronomical Society of the Pacific, 2016, 128, 084504.	3.1	2
88	SpiKeS: Precision Warm Spitzer Photometry of the Kepler Field. Astrophysical Journal, Supplement Series, 2021, 254, 11.	7.7	2
89	Asynchronous object-oriented approach to the automation of the 0.8-meter George Mason University campus telescope in Python. Journal of Astronomical Telescopes, Instruments, and Systems, 2022, 8, .	1.8	2
90	The <scp>HD</scp> 217107 planetary system: Twenty years of radial velocity measurements. Astronomische Nachrichten, 2020, 341, 870-878.	1.2	1

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91	Precise Near-Infrared Radial Velocities. Proceedings of the International Astronomical Union, 2015, 10, 286-287.	0.0	0
92	Low-gravity L Dwarfs Are Likely More Variable. Proceedings of the International Astronomical Union, 2015, 10, 121-123.	0.0	0
93	MINERVA: SMALL PLANETS FROM SMALL TELESCOPES. Publications of the Korean Astronomical Society, 2015, 30, 665-669.	0.0	0