

Allyson Bieryla

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

5,437
citations

94269

37
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106150

65
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112
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112
docs citations

112
times ranked

3760
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	Photodynamical Modeling of the Fascinating Eclipses in the Triple-star System KOI-126. <i>Astrophysical Journal</i> , 2022, 924, 66.	1.6	4
5	NEID Rossiter-McLaughlin Measurement of TOI-1268b: A Young Warm Saturn Aligned with Its Cool Host Star. <i>Astrophysical Journal Letters</i> , 2022, 926, L7.	3.0	11
6	Two Massive Jupiters in Eccentric Orbits from the TESS Full-frame Images. <i>Astronomical Journal</i> , 2022, 163, 9.	1.9	5
7	A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions. <i>Astronomical Journal</i> , 2022, 163, 207.	1.9	15
8	Scaling K2. V. Statistical Validation of 60 New Exoplanets From K2 Campaigns 2011-18. <i>Astronomical Journal</i> , 2022, 163, 244.	1.9	8
9	A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620. <i>Astronomical Journal</i> , 2022, 163, 269.	1.9	4
10	The TESS-Keck Survey: Science Goals and Target Selection. <i>Astronomical Journal</i> , 2022, 163, 297.	1.9	16
11	The TESS-Keck Survey. XI. Mass Measurements for Four Transiting Sub-Neptunes Orbiting K Dwarf TOI-1246. <i>Astronomical Journal</i> , 2022, 163, 293.	1.9	7
12	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
13	HAT-P-68b: A Transiting Hot Jupiter around a K5 Dwarf Star*. <i>Astronomical Journal</i> , 2021, 161, 64.	1.9	2
14	TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. <i>Astronomical Journal</i> , 2021, 161, 194.	1.9	22
15	HAT-P-58b-HAT-P-64b: Seven Planets Transiting Bright Stars*. <i>Astronomical Journal</i> , 2021, 162, 7.	1.9	5
16	The TESS Objects of Interest Catalog from the TESS Prime Mission. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 39.	3.0	190
17	TOI-2076 and TOI-1807: Two Young, Comoving Planetary Systems within 50 pc Identified by TESS that are Ideal Candidates for Further Follow Up. <i>Astronomical Journal</i> , 2021, 162, 54.	1.9	25
18	TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. <i>Astronomical Journal</i> , 2021, 162, 79.	1.9	25

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19	Two Bright M Dwarfs Hosting Ultra-Short-Period Super-Earths with Earth-like Compositions*. <i>Astronomical Journal</i> , 2021, 162, 161.	1.9	20
20	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. <i>Astronomical Journal</i> , 2021, 161, 82.	1.9	8
21	Two Young Planetary Systems around Field Stars with Ages between 20 and 320 Myr from TESS. <i>Astronomical Journal</i> , 2021, 161, 2.	1.9	42
22	TOI-2109: An Ultrahot Gas Giant on a 16 hr Orbit. <i>Astronomical Journal</i> , 2021, 162, 256.	1.9	21
23	Mixed Modes and Asteroseismic Surface Effects. II. Subgiant Systematics. <i>Astrophysical Journal</i> , 2021, 922, 18.	1.6	6
24	An ultrahot Neptune in the Neptune desert. <i>Nature Astronomy</i> , 2020, 4, 1148-1157.	4.2	43
25	An extremely energetic supernova from a very massive star in a dense medium. <i>Nature Astronomy</i> , 2020, 4, 893-899.	4.2	31
26	An extreme-mass ratio, short-period eclipsing binary consisting of a B dwarf primary and a pre-main-sequence M star companion discovered by KELT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 3775-3791.	1.6	5
27	The TESSâ€œKeck Survey. I. A Warm Sub-Saturn-mass Planet and a Caution about Stray Light in TESS Cameras*. <i>Astronomical Journal</i> , 2020, 159, 241.	1.9	32
28	KELT-25 b and KELT-26 b: A Hot Jupiter and a Substellar Companion Transiting Young A Stars Observed by TESS*. <i>Astronomical Journal</i> , 2020, 160, 111.	1.9	26
29	HD 191939: Three Sub-Neptunes Transiting a Sun-like Star Only 54 pc Away. <i>Astronomical Journal</i> , 2020, 160, 113.	1.9	15
30	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
31	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
32	TESS Spots a Compact System of Super-Earths around the Naked-eye Star HR 858. <i>Astrophysical Journal Letters</i> , 2019, 881, L19.	3.0	80
33	The Curious Case of KOI 4: Confirming Keplerâ€™s First Exoplanet Detection. <i>Astronomical Journal</i> , 2019, 157, 192.	1.9	20
34	KELT-23Ab: A Hot Jupiter Transiting a Near-solar Twin Close to the TESS and JWST Continuous Viewing Zones. <i>Astronomical Journal</i> , 2019, 158, 78.	1.9	8
35	A Hot Saturn Near (but Unassociated with) the Open Cluster NGC 1817. <i>Astronomical Journal</i> , 2019, 158, 62.	1.9	4
36	Self-lensing Discovery of a $0.2 M_{\text{WD}}$ White Dwarf in an Unusually Wide Orbit around a Sun-like Star. <i>Astrophysical Journal Letters</i> , 2019, 881, L3.	3.0	33

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37	The Kepler Smear Campaign: Light Curves for 102 Very Bright Stars. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 18.	3.0	7
38	A noninteracting low-mass black hole–giant star binary system. <i>Science</i> , 2019, 366, 637-640.	6.0	182
39	Two New HATNet Hot Jupiters around A Stars and the First Glimpse at the Occurrence Rate of Hot Jupiters from TESS. <i>Astronomical Journal</i> , 2019, 158, 141.	1.9	83
40	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 245.	1.9	72
41	KOI-3890: a high-mass-ratio asteroseismic red giant+M-dwarf eclipsing binary undergoing heartbeat tidal interactions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 14-23.	1.6	9
42	Qatar Exoplanet Survey: Qatar-8b, 9b, and 10b—A Hot Saturn and Two Hot Jupiters. <i>Astronomical Journal</i> , 2019, 157, 224.	1.9	5
43	Qatar Exoplanet Survey: Qatar-7—A Very Hot Jupiter Orbiting a Metal-rich F-Star. <i>Astronomical Journal</i> , 2019, 157, 74.	1.9	2
44	Identifying Exoplanets with Deep Learning. II. Two New Super-Earths Uncovered by a Neural Network in K2 Data. <i>Astronomical Journal</i> , 2019, 157, 169.	1.9	41
45	An Eccentric Massive Jupiter Orbiting a Subgiant on a 9.5-day Period Discovered in the Transiting Exoplanet Survey Satellite Full Frame Images. <i>Astronomical Journal</i> , 2019, 157, 191.	1.9	46
46	KELT-22Ab: A Massive, Short-Period Hot Jupiter Transiting a Near-solar Twin. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 13.	3.0	9
47	Four new self-lensing binaries from <i>Kepler</i> : Radial velocity characterization and astrophysical implications. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 215-219.	0.0	2
48	KELT-24b: A 5M _J Planet on a 5.6 day Well-aligned Orbit around the Young V _A =8.3 F-star HD 93148. <i>Astronomical Journal</i> , 2019, 158, 197.	1.9	15
49	HD 202772A b: A Transiting Hot Jupiter around a Bright, Mildly Evolved Star in a Visual Binary Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 51.	1.9	66
50	Asteroseismology of the Multiplanet System K2-93. <i>Astronomical Journal</i> , 2019, 158, 248.	1.9	11
51	KELT-21b: A Hot Jupiter Transiting the Rapidly Rotating Metal-poor Late-A Primary of a Likely Hierarchical Triple System. <i>Astronomical Journal</i> , 2018, 155, 100.	1.9	55
52	The First Post-Kepler Brightness Dips of KIC 8462852. <i>Astrophysical Journal Letters</i> , 2018, 853, L8.	3.0	38
53	Jupiter Analogs Orbit Stars with an Average Metallicity Close to That of the Sun. <i>Astrophysical Journal</i> , 2018, 856, 37.	1.6	44
54	Zodiacal Exoplanets in Time (ZEIT). VI. A Three-planet System in the Hyades Cluster Including an Earth-sized Planet. <i>Astronomical Journal</i> , 2018, 155, 4.	1.9	94

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55	Occultations from an Active Accretion Disk in a 72-day Detached Post-Algol System Detected by K2. <i>Astrophysical Journal</i> , 2018, 854, 109.	1.6	10
56	Discovery of Three Self-lensing Binaries from Kepler. <i>Astronomical Journal</i> , 2018, 155, 144.	1.9	23
57	275 Candidates and 149 Validated Planets Orbiting Bright Stars in K2 Campaigns 0â€“10. <i>Astronomical Journal</i> , 2018, 155, 136.	1.9	141
58	A <i>TESS</i> Dress Rehearsal: Planetary Candidates and Variables from <i>K2</i> Campaign 17. <i>Astrophysical Journal</i> , Supplement Series, 2018, 239, 5.	3.0	20
59	The KELT Follow-up Network and Transit False-positive Catalog: Pre-vetted False Positives for TESS. <i>Astronomical Journal</i> , 2018, 156, 234.	1.9	46
60	A Large Ground-based Observing Campaign of the Disintegrating Planet K2-22b. <i>Astronomical Journal</i> , 2018, 156, 227.	1.9	7
61	Two Warm, Low-density Sub-Jovian Planets Orbiting Bright Stars in K2 Campaigns 13 and 14. <i>Astronomical Journal</i> , 2018, 156, 127.	1.9	13
62	EPIC 246851721 b: A Tropical Jupiter Transiting a Rapidly Rotating Star in a Well-aligned Orbit. <i>Astronomical Journal</i> , 2018, 156, 250.	1.9	11
63	Discovery of a Transiting Adolescent Sub-Neptune Exoplanet with K2. <i>Astronomical Journal</i> , 2018, 156, 302.	1.9	23
64	A Compact Multi-planet System with a Significantly Misaligned Ultra Short Period Planet. <i>Astronomical Journal</i> , 2018, 156, 245.	1.9	35
65	Zodiacal Exoplanets in Time (ZEIT). VII. A Temperate Candidate Super-Earth in the Hyades Cluster. <i>Astronomical Journal</i> , 2018, 156, 46.	1.9	36
66	Qatar Exoplanet Survey: Qatar-6bâ€“A Grazing Transiting Hot Jupiter. <i>Astronomical Journal</i> , 2018, 155, 52.	1.9	28
67	KELT-19Ab: A P ¹⁴ 4.6-day Hot Jupiter Transiting a Likely Am Star with a Distant Stellar Companion. <i>Astronomical Journal</i> , 2018, 155, 35.	1.9	61
68	The Warm Neptunes around HD 106315 Have Low Stellar Obliquities. <i>Astronomical Journal</i> , 2018, 156, 93.	1.9	27
69	The Kepler Follow-up Observation Program. II. Stellar Parameters from Medium- and High-resolution Spectroscopy. <i>Astrophysical Journal</i> , 2018, 861, 149.	1.6	32
70	An Improved Orbital Period for GY Cancri Based on Two K2 Campaigns. <i>Research Notes of the AAS</i> , 2018, 2, 184.	0.3	1
71	The Mysterious Dimmings of the T Tauri Star V1334 Tau. <i>Astrophysical Journal</i> , 2017, 836, 209.	1.6	21
72	KELT-16b: A Highly Irradiated, Ultra-short Period Hot Jupiter Nearing Tidal Disruption. <i>Astronomical Journal</i> , 2017, 153, 97.	1.9	58

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73	KELT-11b: A Highly Inflated Sub-Saturn Exoplanet Transiting the $V = 8$ Subgiant HD 93396. <i>Astronomical Journal</i> , 2017, 153, 215.	1.9	61
74	A giant planet undergoing extreme-ultraviolet irradiation by its hot massive-star host. <i>Nature</i> , 2017, 546, 514-518.	13.7	205
75	Revised Stellar Properties of Kepler Targets for the Q1-17 (DR25) Transit Detection Run. <i>Astrophysical Journal</i> , Supplement Series, 2017, 229, 30.	3.0	263
76	KELT-12b: A $P \approx 5$ day, Highly Inflated Hot Jupiter Transiting a Mildly Evolved Hot Star. <i>Astronomical Journal</i> , 2017, 153, 178.	1.9	35
77	Qatar Exoplanet Survey : Qatar-3b, Qatar-4b, and Qatar-5b. <i>Astronomical Journal</i> , 2017, 153, 200.	1.9	35
78	A Multi-planet System Transiting the $V \approx 9$ Rapidly Rotating F-Star HD 106315. <i>Astronomical Journal</i> , 2017, 153, 256.	1.9	52
79	Multiwavelength Transit Observations of the Candidate Disintegrating Planetesimals Orbiting WD 1145+017. <i>Astrophysical Journal</i> , 2017, 836, 82.	1.6	53
80	KELT-20b: A Giant Planet with a Period of $P \approx 3.5$ days Transiting the $V \approx 7.6$ Early A Star HD 185603. <i>Astronomical Journal</i> , 2017, 154, 194.	1.9	87
81	Three Statistically Validated K2 Transiting Warm Jupiter Exoplanets Confirmed as Low-mass Stars. <i>Astrophysical Journal Letters</i> , 2017, 847, L18.	3.0	46
82	KELT-18b: Puffy Planet, Hot Host, Probably Perturbed. <i>Astronomical Journal</i> , 2017, 153, 263.	1.9	30
83	KELT-14b AND KELT-15b: AN INDEPENDENT DISCOVERY OF WASP-122b AND A NEW HOT JUPITER. <i>Astronomical Journal</i> , 2016, 151, 138.	1.9	42
84	KELT-17B: A HOT-JUPITER TRANSITING AN A-STAR IN A MISALIGNED ORBIT DETECTED WITH DOPPLER TOMOGRAPHY. <i>Astronomical Journal</i> , 2016, 152, 136.	1.9	76
85	DOPPLER MONITORING OF FIVE K2 TRANSITING PLANETARY SYSTEMS. <i>Astrophysical Journal</i> , 2016, 823, 115.	1.6	57
86	Asteroseismology of the Hyades with K2: first detection of main-sequence solar-like oscillations in an open cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 2600-2611.	1.6	17
87	FIVE PLANETS TRANSITING A NINTH MAGNITUDE STAR. <i>Astrophysical Journal Letters</i> , 2016, 827, L10.	3.0	73
88	TWO SMALL PLANETS TRANSITING HD 3167. <i>Astrophysical Journal Letters</i> , 2016, 829, L9.	3.0	70
89	Spin-orbit alignment for KELT-7b and HAT-P-56b via Doppler tomography with TRES. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 3376-3383.	1.6	51
90	Asteroseismic Properties of Solar-type Stars Observed with the NASA K2 Mission: Results from Campaigns 1-3 and Prospects for Future Observations. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 124204.	1.0	24

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91	KELT-10b: the first transiting exoplanet from the KELT-South survey – a hot sub-Jupiter transiting a $V = 10.7$ early G-star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 4281-4298.	1.6	38
92	KELT-4Ab: AN INFLATED HOT JUPITER TRANSITING THE BRIGHT ($V = 10$) COMPONENT OF A HIERARCHICAL TRIPLE. <i>Astronomical Journal</i> , 2016, 151, 45.	1.9	46
93	PLANETARY CANDIDATES FROM THE FIRST YEAR OF THE K2 MISSION. <i>Astrophysical Journal, Supplement Series</i> , 2016, 222, 14.	3.0	196
94	TESTS OF THE PLANETARY HYPOTHESIS FOR PTFO 8-8695b. <i>Astrophysical Journal</i> , 2015, 812, 48.	1.6	52
95	KELT-8b: A HIGHLY INFLATED TRANSITING HOT JUPITER AND A NEW TECHNIQUE FOR EXTRACTING HIGH-PRECISION RADIAL VELOCITIES FROM NOISY SPECTRA. <i>Astrophysical Journal</i> , 2015, 810, 30.	1.6	53
96	CHARACTERIZING K2 PLANET DISCOVERIES: A SUPER-EARTH TRANSITING THE BRIGHT K DWARF HIP 116454. <i>Astrophysical Journal</i> , 2015, 800, 59.	1.6	104
97	DISCOVERY AND VALIDATION OF Kepler-452b: A $1.6 R_{\oplus}$ SUPER EARTH EXOPLANET IN THE HABITABLE ZONE OF A G2 STAR. <i>Astronomical Journal</i> , 2015, 150, 56.	1.9	156
98	STELLAR AND PLANETARY PROPERTIES OF K2 CAMPAIGN 1 CANDIDATES AND VALIDATION OF 17 PLANETS, INCLUDING A PLANET RECEIVING EARTH-LIKE INSOLATION. <i>Astrophysical Journal</i> , 2015, 809, 25.	1.6	150
99	A disintegrating minor planet transiting a white dwarf. <i>Nature</i> , 2015, 526, 546-549.	13.7	367
100	KELT-7b: A HOT JUPITER TRANSITING A BRIGHT $V = 8.54$ RAPIDLY ROTATING F-STAR. <i>Astronomical Journal</i> , 2015, 150, 12.	1.9	78
101	TYPE IIb SUPERNOVA SN 2011dh: SPECTRA AND PHOTOMETRY FROM THE ULTRAVIOLET TO THE NEAR-INFRARED. <i>Astrophysical Journal</i> , 2014, 781, 69.	1.6	35
102	KELT-6b: A $P = 7.9$ DAY HOT SATURN TRANSITING A METAL-POOR STAR WITH A LONG-PERIOD COMPANION. <i>Astronomical Journal</i> , 2014, 147, 39.	1.9	54
103	HD 285507b: AN ECCENTRIC HOT JUPITER IN THE HYADES OPEN CLUSTER. <i>Astrophysical Journal</i> , 2014, 787, 27.	1.6	105
104	SN 2012au: A GOLDEN LINK BETWEEN SUPERLUMINOUS SUPERNOVAE AND THEIR LOWER-LUMINOSITY COUNTERPARTS. <i>Astrophysical Journal Letters</i> , 2013, 770, L38.	3.0	71
105	KELT-3b: A HOT JUPITER TRANSITING A $V = 9.8$ LATE-F STAR. <i>Astrophysical Journal</i> , 2013, 773, 64.	1.6	58
106	TWO –s IN THE BEEHIVE: THE DISCOVERY OF THE FIRST HOT JUPITERS IN AN OPEN CLUSTER. <i>Astrophysical Journal Letters</i> , 2012, 756, L33.	3.0	136
107	KELT-1b: A STRONGLY IRRADIATED, HIGHLY INFLATED, SHORT PERIOD, 27 JUPITER-MASS COMPANION TRANSITING A MID-F STAR. <i>Astrophysical Journal</i> , 2012, 761, 123.	1.6	230
108	KELT-2Ab: A HOT JUPITER TRANSITING THE BRIGHT ($V = 8.77$) PRIMARY STAR OF A BINARY SYSTEM. <i>Astrophysical Journal Letters</i> , 2012, 756, L39.	3.0	60