# Allyson Bieryla

List of Publications by Year
in descending order



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|---|---|---|---|
| 108 papers | 5,437 citations | 94269 37 h-index | 106150 65 g-index |
| 112 all docs | 112 docs citations | 112 times ranked | 3760 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A disintegrating minor planet transiting a white dwarf. Nature, 2015, 526, 546-549. | 13.7 | 367 |
| 2 | Revised Stellar Properties of Kepler Targets for the Q1-17 (DR25) Transit Detection Run. Astrophysical Journal, Supplement Series, 2017, 229, 30. | 3.0 | 263 |
| 3 | KELT-1b: A STRONGLY IRRADIATED, HIGHLY INFLATED, SHORT PERIOD, 27 JUPITER-MASS COMPANION TRANSITING A MID-F STAR. Astrophysical Journal, 2012, 761, 123. | 1.6 | 230 |
| 4 | A giant planet undergoing extreme-ultraviolet irradiation by its hot massive-star host. Nature, 2017, 546, 514-518. | 13.7 | 205 |
| 5 | PLANETARY CANDIDATES FROM THE FIRST YEAR OF THE K2 MISSION. Astrophysical Journal, Supplement Series, 2016, 222, 14. | 3.0 | 196 |
| 6 | The TESS Objects of Interest Catalog from the TESS Prime Mission. Astrophysical Journal, Supplement Series, 2021, 254, 39. | 3.0 | 190 |
| 7 | A noninteracting low-mass black holeâ€“giant star binary system. Science, 2019, 366, 637-640. | 6.0 | 182 |
| 8 | DISCOVERY AND VALIDATION OF Kepler-452b: A 1.6R<sub>â¨</sub>SUPER EARTH EXOPLANET IN THE HABITABLE ZONE OF A G2 STAR. Astronomical Journal, 2015, 150, 56. | 1.9 | 156 |
| 9 | STELLAR AND PLANETARY PROPERTIES OFK2CAMPAIGN 1 CANDIDATES AND VALIDATION OF 17 PLANETS, INCLUDING A PLANET RECEIVING EARTH-LIKE INSOLATION. Astrophysical Journal, 2015, 809, 25. | 1.6 | 150 |
| 10 | 275 Candidates and 149 Validated Planets Orbiting Bright Stars in K2 Campaigns 0â€“10. Astronomical Journal, 2018, 155, 136. | 1.9 | 141 |
| 11 | TWO â€œbâ€s IN THE BEEHIVE: THE DISCOVERY OF THE FIRST HOT JUPITERS IN AN OPEN CLUSTER. Astrophysical Journal Letters, 2012, 756, L33. | 3.0 | 136 |
| 12 | HD 285507b: AN ECCENTRIC HOT JUPITER IN THE HYADES OPEN CLUSTER. Astrophysical Journal, 2014, 787, 27. | 1.6 | 105 |
| 13 | CHARACTERIZING K2 PLANET DISCOVERIES: A SUPER-EARTH TRANSITING THE BRIGHT K DWARF HIP 116454. Astrophysical Journal, 2015, 800, 59. | 1.6 | 104 |
| 14 | Zodiacal Exoplanets in Time (ZEIT). VI. A Three-planet System in the Hyades Cluster Including an Earth-sized Planet. Astronomical Journal, 2018, 155, 4. | 1.9 | 94 |
| 15 | KELT-20b: A Giant Planet with a Period of PÂâ¼Â3.5 days Transiting the VÂâ¼Â7.6 Early A Star HD 185603. Astronomical Journal, 2017, 154, 194. | 1.9 | 87 |
| 16 | Two New HATNet Hot Jupiters around A Stars and the First Glimpse at the Occurrence Rate of Hot Jupiters from TESS<sup>â—</sup>. Astronomical Journal, 2019, 158, 141. | 1.9 | 83 |
| 17 | TESS Spots a Compact System of Super-Earths around the Naked-eye Star HR 858. Astrophysical Journal Letters, 2019, 881, L19. | 3.0 | 80 |
| 18 | KELT-7b: A HOT JUPITER TRANSITING A BRIGHTV= 8.54 RAPIDLY ROTATING F-STAR. Astronomical Journal, 2015, 150, 12. | 1.9 | 78 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | KELT-17B: A HOT-JUPITER TRANSITING AN A-STAR IN A MISALIGNED ORBIT DETECTED WITH DOPPLER TOMOGRAPHY. Astronomical Journal, 2016, 152, 136. | 1.9 | 76 |
| 20 | FIVE PLANETS TRANSITING A NINTH MAGNITUDE STAR. Astrophysical Journal Letters, 2016, 827, L10. | 3.0 | 73 |
| 21 | A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. Astronomical Journal, 2019, 157, 245. | 1.9 | 72 |
| 22 | SN 2012au: A GOLDEN LINK BETWEEN SUPERLUMINOUS SUPERNOVAE AND THEIR LOWER-LUMINOSITY COUNTERPARTS. Astrophysical Journal Letters, 2013, 770, L38. | 3.0 | 71 |
| 23 | TWO SMALL PLANETS TRANSITING HD 3167. Astrophysical Journal Letters, 2016, 829, L9. | 3.0 | 70 |
| 24 | HD 202772A b: A Transiting Hot Jupiter around a Bright, Mildly Evolved Star in a Visual Binary Discovered by TESS. Astronomical Journal, 2019, 157, 51. | 1.9 | 66 |
| 25 | KELT-11b: A Highly Inflated Sub-Saturn Exoplanet Transiting the V = 8 Subgiant HD 93396. Astronomical Journal, 2017, 153, 215. | 1.9 | 61 |
| 26 | KELT-19Ab: A PÂâˆ¼Â4.6-day Hot Jupiter Transiting a Likely Am Star with a Distant Stellar Companion. Astronomical Journal, 2018, 155, 35. | 1.9 | 61 |
| 27 | KELT-2Ab: A HOT JUPITER TRANSITING THE BRIGHT ( V = 8.77) PRIMARY STAR OF A BINARY SYSTEM. Astrophysical Journal Letters, 2012, 756, L39. | 3.0 | 60 |
| 28 | KELT-3b: A HOT JUPITER TRANSITING AV= 9.8 LATE-F STAR. Astrophysical Journal, 2013, 773, 64. | 1.6 | 58 |
| 29 | KELT-16b: A Highly Irradiated, Ultra-short Period Hot Jupiter Nearing Tidal Disruption. Astronomical Journal, 2017, 153, 97. | 1.9 | 58 |
| 30 | DOPPLER MONITORING OF FIVE K2 TRANSITING PLANETARY SYSTEMS. Astrophysical Journal, 2016, 823, 115. | 1.6 | 57 |
| 31 | KELT-21b: A Hot Jupiter Transiting the Rapidly Rotating Metal-poor Late-A Primary of a Likely Hierarchical Triple System. Astronomical Journal, 2018, 155, 100. | 1.9 | 55 |
| 32 | KELT-6b: APâˆ¼ 7.9 DAY HOT SATURN TRANSITING A METAL-POOR STAR WITH A LONG-PERIOD COMPANION. Astronomical Journal, 2014, 147, 39. | 1.9 | 54 |
| 33 | KELT-8b: A HIGHLY INFLATED TRANSITING HOT JUPITER AND A NEW TECHNIQUE FOR EXTRACTING HIGH-PRECISION RADIAL VELOCITIES FROM NOISY SPECTRA. Astrophysical Journal, 2015, 810, 30. | 1.6 | 53 |
| 34 | Multiwavelength Transit Observations of the Candidate Disintegrating Planetesimals Orbiting WD 1145+017. Astrophysical Journal, 2017, 836, 82. | 1.6 | 53 |
| 35 | TESTS OF THE PLANETARY HYPOTHESIS FOR PTFO 8-8695b. Astrophysical Journal, 2015, 812, 48. | 1.6 | 52 |
| 36 | A Multi-planet System Transiting the VÂ=Â9 Rapidly Rotating F-Star HD 106315. Astronomical Journal, 2017, 153, 256. | 1.9 | 52 |

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|---|---|---|---|
| 37 | Spinâ€“orbit alignment for KELT-7b and HAT-P-56b via Doppler tomography with TRES. Monthly Notices of the Royal Astronomical Society, 2016, 460, 3376-3383. | 1.6 | 51 |
| 38 | KELT-4Ab: AN INFLATED HOT JUPITER TRANSITING THE BRIGHT (Vâ^¼ 10) COMPONENT OF A HIERARCHICAL TRIPLE. Astronomical Journal, 2016, 151, 45. | 1.9 | 46 |
| 39 | Three Statistically Validated K2 Transiting Warm Jupiter Exoplanets Confirmed as Low-mass Stars. Astrophysical Journal Letters, 2017, 847, L18. | 3.0 | 46 |
| 40 | The KELT Follow-up Network and Transit False-positive Catalog: Pre-vetted False Positives for TESS. Astronomical Journal, 2018, 156, 234. | 1.9 | 46 |
| 41 | An Eccentric Massive Jupiter Orbiting a Subgiant on a 9.5-day Period Discovered in the Transiting Exoplanet Survey Satellite Full Frame Images. Astronomical Journal, 2019, 157, 191. | 1.9 | 46 |
| 42 | Jupiter Analogs Orbit Stars with an Average Metallicity Close to That of the Sun. Astrophysical Journal, 2018, 856, 37. | 1.6 | 44 |
| 43 | An ultrahot Neptune in the Neptune desert. Nature Astronomy, 2020, 4, 1148-1157. | 4.2 | 43 |
| 44 | KELT-14b AND KELT-15b: AN INDEPENDENT DISCOVERY OF WASP-122b AND A NEW HOT JUPITER. Astronomical Journal, 2016, 151, 138. | 1.9 | 42 |
| 45 | Two Young Planetary Systems around Field Stars with Ages between 20 and 320 Myr from TESS. Astronomical Journal, 2021, 161, 2. | 1.9 | 42 |
| 46 | Identifying Exoplanets with Deep Learning. II. Two New Super-Earths Uncovered by a Neural Network in K2 Data. Astronomical Journal, 2019, 157, 169. | 1.9 | 41 |
| 47 | KELT-10b: the first transiting exoplanet from the KELT-South survey â€“ a hot sub-Jupiter transiting aV= 10.7 early G-star. Monthly Notices of the Royal Astronomical Society, 2016, 459, 4281-4298. | 1.6 | 38 |
| 48 | The First Post-Kepler Brightness Dips of KIC 8462852. Astrophysical Journal Letters, 2018, 853, L8. | 3.0 | 38 |
| 49 | Zodiacal Exoplanets in Time (ZEIT). VII. A Temperate Candidate Super-Earth in the Hyades Cluster. Astronomical Journal, 2018, 156, 46. | 1.9 | 36 |
| 50 | TYPE IIb SUPERNOVA SN 2011dh: SPECTRA AND PHOTOMETRY FROM THE ULTRAVIOLET TO THE NEAR-INFRARED. Astrophysical Journal, 2014, 781, 69. | 1.6 | 35 |
| 51 | KELT-12b: A PÂâ^¼Â5 day, Highly Inflated Hot Jupiter Transiting a Mildly Evolved Hot Star. Astronomical Journal, 2017, 153, 178. | 1.9 | 35 |
| 52 | Qatar Exoplanet Survey : Qatar-3b, Qatar-4b, and Qatar-5b. Astronomical Journal, 2017, 153, 200. | 1.9 | 35 |
| 53 | A Compact Multi-planet System with a Significantly Misaligned Ultra Short Period Planet. Astronomical Journal, 2018, 156, 245. | 1.9 | 35 |
| 54 | Self-lensing Discovery of a 0.2 M<sub>âŠ™</sub> White Dwarf in an Unusually Wide Orbit around a Sun-like Star<sup>â^—</sup>. Astrophysical Journal Letters, 2019, 881, L3. | 3.0 | 33 |

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| 55 | The Kepler Follow-up Observation Program. II. Stellar Parameters from Medium- and High-resolution Spectroscopy. Astrophysical Journal, 2018, 861, 149. | 1.6 | 32 |
| 56 | The TESSâ€“Keck Survey. I. A Warm Sub-Saturn-mass Planet and a Caution about Stray Light in TESS Cameras*. Astronomical Journal, 2020, 159, 241. | 1.9 | 32 |
| 57 | An extremely energetic supernova from a very massive star in a dense medium. Nature Astronomy, 2020, 4, 893-899. | 4.2 | 31 |
| 58 | KELT-18b: Puffy Planet, Hot Host, Probably Perturbed. Astronomical Journal, 2017, 153, 263. | 1.9 | 30 |
| 59 | Qatar Exoplanet Survey: Qatar-6bâ€”A Grazing Transiting Hot Jupiter. Astronomical Journal, 2018, 155, 52. | 1.9 | 28 |
| 60 | The Warm Neptunes around HD 106315 Have Low Stellar Obliquities. Astronomical Journal, 2018, 156, 93. | 1.9 | 27 |
| 61 | 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. | 1.9 | 26 |
| 62 | TOI-2076 and TOI-1807: Two Young, Comoving Planetary Systems within 50 pc Identified by TESS that are Ideal Candidates for Further Follow Up. Astronomical Journal, 2021, 162, 54. | 1.9 | 25 |
| 63 | TOI-1634 b: An Ultra-short-period Keystone Planet Sitting inside the M-dwarf Radius Valley. Astronomical Journal, 2021, 162, 79. | 1.9 | 25 |
| 64 | Asteroseismic Properties of Solar-type Stars Observed with the NASAK2Mission: Results from Campaigns 1â€“3 and Prospects for Future Observations. Publications of the Astronomical Society of the Pacific, 2016, 128, 124204. | 1.0 | 24 |
| 65 | Discovery of Three Self-lensing Binaries from Kepler. Astronomical Journal, 2018, 155, 144. | 1.9 | 23 |
| 66 | Discovery of a Transiting Adolescent Sub-Neptune Exoplanet with K2. Astronomical Journal, 2018, 156, 302. | 1.9 | 23 |
| 67 | 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 |
| 68 | TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. Astronomical Journal, 2021, 161, 194. | 1.9 | 22 |
| 69 | The Mysterious Dimmings of the T Tauri Star V1334 Tau. Astrophysical Journal, 2017, 836, 209. | 1.6 | 21 |
| 70 | TOI-2109: An Ultrahot Gas Giant on a 16 hr Orbit. Astronomical Journal, 2021, 162, 256. | 1.9 | 21 |
| 71 | A TESS Dress Rehearsal: Planetary Candidates and Variables from K2 Campaign 17. Astrophysical Journal, Supplement Series, 2018, 239, 5. | 3.0 | 20 |
| 72 | The Curious Case of KOI 4: Confirming Keplerâ€™s First Exoplanet Detection. Astronomical Journal, 2019, 157, 192. | 1.9 | 20 |

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| 73 | Two Bright M Dwarfs Hosting Ultra-Short-Period Super-Earths with Earth-like Compositions*. Astronomical Journal, 2021, 162, 161. | 1.9 | 20 |
| 74 | Asteroseismology of the Hyades with K2: first detection of main-sequence solar-like oscillations in an open cluster. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2600-2611. | 1.6 | 17 |
| 75 | The TESS-Keck Survey: <sup>*</sup> Science Goals and Target Selection. Astronomical Journal, 2022, 163, 297. | 1.9 | 16 |
| 76 | KELT-24b: A 5M<sub>J</sub> Planet on a 5.6 day Well-aligned Orbit around the Young VÂ=Â8.3 F-star HD 93148. Astronomical Journal, 2019, 158, 197. | 1.9 | 15 |
| 77 | HD 191939: Three Sub-Neptunes Transiting a Sun-like Star Only 54 pc Away. Astronomical Journal, 2020, 160, 113. | 1.9 | 15 |
| 78 | 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 |
| 79 | A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions. Astronomical Journal, 2022, 163, 207. | 1.9 | 15 |
| 80 | Two Warm, Low-density Sub-Jovian Planets Orbiting Bright Stars in K2 Campaigns 13 and 14. Astronomical Journal, 2018, 156, 127. | 1.9 | 13 |
| 81 | EPIC 246851721 b: A Tropical Jupiter Transiting a Rapidly Rotating Star in a Well-aligned Orbit. Astronomical Journal, 2018, 156, 250. | 1.9 | 11 |
| 82 | Asteroseismology of the Multiplanet System K2-93. Astronomical Journal, 2019, 158, 248. | 1.9 | 11 |
| 83 | NEID Rossiterâ€“McLaughlin Measurement of TOI-1268b: A Young Warm Saturn Aligned with Its Cool Host Star. Astrophysical Journal Letters, 2022, 926, L7. | 3.0 | 11 |
| 84 | Occultations from an Active Accretion Disk in a 72-day Detached Post-Algol System Detected by K2. Astrophysical Journal, 2018, 854, 109. | 1.6 | 10 |
| 85 | KOI-3890: a high-mass-ratio asteroseismic red giant+M-dwarf eclipsing binary undergoing heartbeat tidal interactions. Monthly Notices of the Royal Astronomical Society, 2019, 487, 14-23. | 1.6 | 9 |
| 86 | KELT-22Ab: A Massive, Short-Period Hot Jupiter Transiting a Near-solar Twin. Astrophysical Journal, Supplement Series, 2019, 240, 13. | 3.0 | 9 |
| 87 | KELT-23Ab: A Hot Jupiter Transiting a Near-solar Twin Close to the TESS and JWST Continuous Viewing Zones. Astronomical Journal, 2019, 158, 78. | 1.9 | 8 |
| 88 | TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. Astronomical Journal, 2021, 161, 82. | 1.9 | 8 |
| 89 | Validation of 13 Hot and Potentially Terrestrial TESS Planets. Astronomical Journal, 2022, 163, 99. | 1.9 | 8 |
| 90 | Scaling K2. V. Statistical Validation of 60 New Exoplanets From K2 Campaigns 2â€“18. Astronomical Journal, 2022, 163, 244. | 1.9 | 8 |

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| 91 | A Large Ground-based Observing Campaign of the Disintegrating Planet K2-22b. Astronomical Journal, 2018, 156, 227. | 1.9 | 7 |
| 92 | The Kepler Smear Campaign: Light Curves for 102 Very Bright Stars. Astrophysical Journal, Supplement Series, 2019, 244, 18. | 3.0 | 7 |
| 93 | The TESS-Keck Survey. XI. Mass Measurements for Four Transiting Sub-Neptunes Orbiting K Dwarf TOIâ€“1246. Astronomical Journal, 2022, 163, 293. | 1.9 | 7 |
| 94 | Mixed Modes and Asteroseismic Surface Effects. II. Subgiant Systematics. Astrophysical Journal, 2021, 922, 18. | 1.6 | 6 |
| 95 | TOI-1696: A Nearby M4 Dwarf with a 3 R <sub>âŠ•</sub> Planet in the Neptunian Desert. Astronomical Journal, 2022, 163, 298. | 1.9 | 6 |
| 96 | Qatar Exoplanet Survey: Qatar-8b, 9b, and 10bâ€”A Hot Saturn and Two Hot Jupiters. Astronomical Journal, 2019, 157, 224. | 1.9 | 5 |
| 97 | HAT-P-58bâ€“HAT-P-64b: Seven Planets Transiting Bright Stars*. Astronomical Journal, 2021, 162, 7. | 1.9 | 5 |
| 98 | 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. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3775-3791. | 1.6 | 5 |
| 99 | 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 |
| 100 | Two Massive Jupiters in Eccentric Orbits from the TESS Full-frame Images. Astronomical Journal, 2022, 163, 9. | 1.9 | 5 |
| 101 | A Hot Saturn Near (but Unassociated with) the Open Cluster NGC 1817. Astronomical Journal, 2019, 158, 62. | 1.9 | 4 |
| 102 | Photodynamical Modeling of the Fascinating Eclipses in the Triple-star System KOI-126. Astrophysical Journal, 2022, 924, 66. | 1.6 | 4 |
| 103 | A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620. Astronomical Journal, 2022, 163, 269. | 1.9 | 4 |
| 104 | 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 |
| 105 | Qatar Exoplanet Survey: Qatar-7bâ€”A Very Hot Jupiter Orbiting a Metal-rich F-Star. Astronomical Journal, 2019, 157, 74. | 1.9 | 2 |
| 106 | Four new self-lensing binaries from Kepler: Radial velocity characterization and astrophysical implications. Proceedings of the International Astronomical Union, 2019, 15, 215-219. | 0.0 | 2 |
| 107 | HAT-P-68b: A Transiting Hot Jupiter around a K5 Dwarf Star*. Astronomical Journal, 2021, 161, 64. | 1.9 | 2 |
| 108 | An Improved Orbital Period for GY Cancri Based on Two K2 Campaigns. Research Notes of the AAS, 2018, 2, 184. | 0.3 | 1 |