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### REFERREED PUBLICATIONS

- [30] *Kronos & Krios: Evidence for accretion of a massive, rocky planetary system in a comoving pair of solar-type stars*  
Oh, S., Price-Whelan, A. M., **Brewer, J. M.**, Hogg, D. W., Spergel, D. N., Myles J. 2017  
(Submitted) [arxiv.org/abs/1709.05344](https://arxiv.org/abs/1709.05344)
- [29] *Three's Company: An additional non-transiting super-Earth in the bright HD 3167 system, and masses for all three planets*  
Christiansen, Jessie L.; Vanderburg, Andrew; Burt, Jennifer et al. [incl. **Brewer**] (2017). AJ  
Accepted [doi.org/10.3847/1538-3881/aa832d](https://doi.org/10.3847/1538-3881/aa832d)
- [28] *K2-66b and K2-106b: Two Extremely Hot Sub-Neptune-size Planets with High Densities*  
Sinukoff, Evan, Howard, Andrew W., Petigura, Erik A. et al. [incl. **Brewer**] (2017). AJ, 153(6), 271 [doi.org/10.3847/1538-3881/aa725f](https://doi.org/10.3847/1538-3881/aa725f)
- [27] *The Yale-Potsdam Stellar Isochrones (YaPSI)*  
Spada, F., Demarque P., Kim, Y. C., Boyajian, T. S., **Brewer, J. M.** (2017), ApJ, 838(2), 161  
[doi.org/10.3847/1538-4357/aa661d](https://doi.org/10.3847/1538-4357/aa661d)
- [26] *Four Sub-Saturns with Dissimilar Densities: Windows into Planetary Cores and Envelopes*  
Petigura, E. A., Sinukoff, E., Lopez, E., et al. [incl. **Brewer**] (2017) AJ, 153, 142 [doi.org/10.3847/1538-3881/153/4/142](https://doi.org/10.3847/1538-3881/153/4/142)
- [25] *C/O And O/H Ratios Suggest Some Hot Jupiters Originate Beyond The Snow Line .*  
**Brewer, J. M.**, Fischer, D. A., Madhusudhan, N., (2017) AJ, 153, 83 [doi.org/10.3847/1538-3881/153/2/83](https://doi.org/10.3847/1538-3881/153/2/83)
- [24] *Mass Constraints of the WASP-47 Planetary System from Radial Velocities.*  
Sinukoff, E., Howard, A., Petigura, E. A., Fulton, B. J., Isaacson, H, Weiss, L. M.,  
**Brewer, J. M.**, et al. (2016), AJ, 153, 70 [doi.org/10.3847/1538-3881/153/2/70](https://doi.org/10.3847/1538-3881/153/2/70)
- [23] *C/O and Mg/Si Ratios of Stars in the Solar Neighborhood.*  
**Brewer, J. M.**, Fischer, D. A. (2016). ApJ, 831(1) 20. [doi.org/10.3847/0004-637X/831/1/20](https://doi.org/10.3847/0004-637X/831/1/20)
- [22] *Spectral Properties Of Cool Stars: Extended Abundance Analysis Of 1617 Planet Search Stars.*  
**Brewer, J. M.**, Fischer, D. A., Valenti, J. A., & Piskunov, N. (2016). ApJS, 225(2) 32. [doi.org/10.3847/0067-0049/225/2/32](https://doi.org/10.3847/0067-0049/225/2/32)
- [21] *Planet Hunters. X. Searching for Nearby Neighbors of 75 Planet and Eclipsing Binary Candidates from the K2 Kepler extended mission*  
Schmitt, J. R., Tokovinin, A., Wang, J., et al. [incl. **Brewer**] 2016, AJ, 151 (IOP Publishing), 159 [doi.org/10.3847/0004-6256/151/6/159](https://doi.org/10.3847/0004-6256/151/6/159)
- [20] *Planet Hunters IX. KIC 8462852 - where's the flux?*  
Boyajian, T. S., LaCourse, D. M., Rappaport, S. A., et al. [incl. **Brewer**] 2016, MNRAS, 457, 3988. [doi.org/10.1093/mnras/stw218](https://doi.org/10.1093/mnras/stw218)
- [19] *Accurate Gravities Of F, G, And K Stars From High Resolution Spectra Without External Constraints.*  
**Brewer, J. M.**, Fischer, D. A., Basu, S., Valenti, J. A., & Piskunov, N. (2015). ApJ, 805(2), 126. [doi.org/10.1088/0004-637X/805/2/126](https://doi.org/10.1088/0004-637X/805/2/126)

- [18] *Newly Discovered Planets Orbiting Hd 5319, Hd 11506, Hd 75784 And HD 10442 From The N2K Consortium.*  
Giguere, M. J., Fischer, D. A., Payne, M. J., **Brewer, J. M.**, Johnson, J. A., Howard, A. W., & Isaacson, H. T. (2015). ApJ, 799(1),89. [doi.org/10.1088/0004-637X/799/1/89](https://doi.org/10.1088/0004-637X/799/1/89)
- [17] *Stellar Parameters For HD 69830, A Nearby Star With Three Neptune Mass Planets And An Asteroid Belt.*  
Tanner, A., Boyajian, T. S., Braun, von, K., Kane, S., **Brewer, J. M.**, Farrington, C., et al. (2015). ApJ, 800(2), 115. [doi.org/10.1088/0004-637X/800/2/115](https://doi.org/10.1088/0004-637X/800/2/115)
- [16] *An Ancient Extrasolar System With Five Sub-Earth-Size Planets.*  
Campante, T. L., Barclay, T., Swift, J. J., Huber, D., Adibekyan, V. Z., Cochran, W., et al. [incl. **Brewer**] (2015). ApJ, 799(2), 170. [doi.org/10.1088/0004-637X/799/2/170](https://doi.org/10.1088/0004-637X/799/2/170)
- [15] *Prospecting In Ultracool Dwarfs: Measuring The Metallicities Of Mid- And Late-M Dwarfs.*  
Mann, A. W., Deacon, N. R., Gaidos, E., Ansdell, M., **Brewer, J. M.**, Liu, M. C., et al. (2014). AJ, 147(6), 160. [doi.org/10.1088/0004-6256/147/6/160](https://doi.org/10.1088/0004-6256/147/6/160)
- [14] *Chiron Tools: Integrated Target Submission, Scheduling And Observing Systems For A High-Resolution Fiber-Fed Spectrograph.*  
**Brewer, J. M.**, Giguere, M., & Fischer, D. A. (2014). PASP, 126(935), 48–54. [doi.org/10.1086/674723](https://doi.org/10.1086/674723)
- [13] *Planet Hunters. VII. Discovery Of A New Low-Mass, Low-Density Planet (Ph3 C) Orbiting Kepler-289 With Mass Measurements Of Two Additional Planets (Ph3 B And D).*  
Schmitt, J. R., Agol, E., Deck, K. M., Rogers, L. A., Gazak, J. Z., Fischer, D. A., et al. [incl. **Brewer**] (2014). ApJ, 795(2), 167. [doi.org/10.1088/0004-637X/795/2/167](https://doi.org/10.1088/0004-637X/795/2/167)
- [12] *The Physical Parameters Of The Retired A Star Hd 185351.*  
Johnson, J. A., Huber, D., Boyajian, T., **Brewer, J. M.**, White, T. R., Braun, von, K., et al. (2014). ApJ, 794(1), 15. [doi.org/10.1088/0004-637X/794/1/15](https://doi.org/10.1088/0004-637X/794/1/15)
- [11] *Prospecting In Late-Type Dwarfs: A Calibration Of Infrared And Visible Spectroscopic Metallicities Of Late K And M Dwarfs Spanning 1.5 Dex.*  
Mann, A. W., **Brewer, J. M.**, Gaidos, E., Lepine, S., & Hilton, E. J. (2013). ApJ, 145(2), 52. [doi.org/10.1088/0004-6256/145/2/52](https://doi.org/10.1088/0004-6256/145/2/52)
- [10] *Ruprecht 147: The Oldest Nearby Open Cluster As A New Benchmark For Stellar Astrophysics.*  
Curtis, J. L., Wolfgang, A., Wright, J. T., **Brewer, J. M.**, & Johnson, J. A. (2013). AJ, 145(5), 134. [doi.org/10.1088/0004-6256/145/5/134](https://doi.org/10.1088/0004-6256/145/5/134)
- [9] *Planet Hunters: New Kepler Planet Candidates From Analysis Of Quarter 2.*  
Lintott, C. J., Schwamb, M. E., Barclay, T., Sharzer, C., Fischer, D. A., **Brewer, J. M.**, et al. (2013). AJ, 145(6), 151. [doi.org/10.1088/0004-6256/145/6/151](https://doi.org/10.1088/0004-6256/145/6/151)
- [8] *Planet Hunters. V. A Confirmed Jupiter-Size Planet In The Habitable Zone And 42 Planet Candidates From The Kepler Archive Data.*  
Wang, J., Fischer, D. A., Barclay, T., Boyajian, T. S., Crepp, J. R., Schwamb, M. E., et al. [incl. **Brewer**] (2013). ApJ, 776(1), 10. [doi.org/10.1088/0004-637X/776/1/10](https://doi.org/10.1088/0004-637X/776/1/10)
- [7] *Planet Hunters: Assessing The Kepler Inventory Of Short-Period Planets.*  
Schwamb, M. E., Lintott, C. J., Fischer, D. A., Giguere, M. J., Lynn, S., Smith, A. M., et al. [incl. **Brewer**] (2012). ApJ, 754(2), 129. [doi.org/10.1088/0004-637X/754/2/129](https://doi.org/10.1088/0004-637X/754/2/129)
- [6] *The Dynamical Mass And Three-Dimensional Orbit Of HR7672B: A Benchmark Brown Dwarf With High Eccentricity.*  
Crepp, J. R., Johnson, J. A., Fischer, D. A., Howard, A. W., Marcy, G. W., Wright, J. T., et al. [incl. **Brewer**] (2012). ApJ, 751(2), 97. [doi.org/10.1088/0004-637X/751/2/97](https://doi.org/10.1088/0004-637X/751/2/97)

- [5] *M2K. II. A Triple-Planet System Orbiting HIP 57274.*  
Fischer, D. A., Gaidos, E., Howard, A. W., Giguere, M. J., Johnson, J. A., Marcy, G. W., et al. [incl. **Brewer**] (2012). *ApJ*, 745(1), 21. [doi.org/10.1088/0004-637X/745/1/21](https://doi.org/10.1088/0004-637X/745/1/21)
- [4] *Planet Hunters: The First Two Planet Candidates Identified By The Public Using The Kepler Public Archive Data.*  
Fischer, D. A., Schwamb, M. E., Schawinski, K., Lintott, C., **Brewer, J. M.**, Giguere, M., et al. (2011). *MNRAS*, 419(4), 2900–2911. [doi.org/10.1111/j.1365-2966.2011.19932.x](https://doi.org/10.1111/j.1365-2966.2011.19932.x)
- [3] *On Machine-Learned Classification Of Variable Stars With Sparse And Noisy Time-Series Data.*  
Richards, J. W., Starr, D. L., Butler, N. R., Bloom, J. S., **Brewer, J. M.**, Crellin-Quick, A., et al. (2011). *ApJ*, 733(1), 10. [doi.org/10.1088/0004-637X/733/1/10](https://doi.org/10.1088/0004-637X/733/1/10)
- [2] *Retired A Stars And Their Companions. VI. A Pair Of Interacting Exoplanet Pairs Around The Subgiants 24 Sextans And Hd 200964.*  
Johnson, J. A., Payne, M., Howard, A. W., Clubb, K. I., Ford, E. B., Bowler, B. P., et al. [incl. **Brewer**] (2011). *AJ*, 141(1), 16. [doi.org/10.1088/0004-6256/141/1/16](https://doi.org/10.1088/0004-6256/141/1/16)
- [1] *A Hot Jupiter Orbiting The 1.7 M Sun Subgiant Hd 102956.*  
Johnson, J. A., Bowler, B. P., Howard, A. W., Henry, G. W., Marcy, G. W., Isaacson, H., et al. [incl. **Brewer**] (2010). *ApJL*, 721(2), L153–L157. [doi.org/10.1088/2041-8205/721/2/L153](https://doi.org/10.1088/2041-8205/721/2/L153)

## OTHER PUBLICATIONS

*IVOA Recommendation: Sky Event Reporting Metadata Version 2.0.*

Seaman, R., Williams, R., Allan, A., Barthelmy, S., Bloom, J., **Brewer, J. M.**, et al. (2011, October 3). IVOA [arxiv.org/abs/1110.0523](https://arxiv.org/abs/1110.0523).

*A Web-Based Framework For a Time-Domain Warehouse.*

**Brewer, J. M.**, Bloom, J. S., Kennedy, R., & Starr, D. L. 2009, *Astronomical Data Analysis Software and Systems XVIII ASPC*, 411, 357 [adsabs.harvard.edu/abs/2009ASPC..411..357B](https://adsabs.harvard.edu/abs/2009ASPC..411..357B)