

# ASHLEY CHONTOS

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| SUMMARY                                  | <b>41 total publications:</b> 4 first author and 12 with significant contributions,<br><b>h-index = 14, total citations ~485</b> (updated January 17, 2022).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                       |
| FIRST<br>AUTHOR<br>PUBLICATIONS          | <ol style="list-style-type: none"><li>1. <b>Chontos, A.</b>, Sayeed, M. and Huber, D., “pySYD: Automated Measurements of Global Asteroseismic Parameters,” <i>JOSS</i>, <i>in review</i>. [NASA ADS]</li><li>2. <b>Chontos, A.</b>, et al., “The TESS-Keck Survey: Science Goals and Target Selection,” <i>in review</i> (with favorable referee report). [NASA ADS]</li><li>3. <b>Chontos, A.</b>, Huber, D., Kjeldsen, H., et al., “TESS Asteroseismology of <math>\alpha</math> Mensae: Benchmark Ages for a G7 Dwarf and its M-dwarf Companion,” <i>ApJ</i>, <b>922</b>, 229 (2021). [NASA ADS]</li><li>4. <b>Chontos, A.</b>, Huber, D., Latham, D., et al., “The Curious Case of KOI 4: Confirming Kepler’s First Exoplanet Detection,” <i>AJ</i>, <b>157</b>, 192 (2019). [NASA ADS]</li></ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                       |
| SIGNIFICANT<br>CO-AUTHOR<br>PUBLICATIONS | <ol style="list-style-type: none"><li>1. Grunblatt, S., Saunders, N., Sun, M., <b>Chontos, A.</b>, et al., “TESS Giants Transiting Giants II: The hottest Jupiters orbiting evolved stars,” <i>in review</i>. [NASA ADS]</li><li>2. Rosenthal, L. J., et al. [including <b>Chontos, A.</b>], “The California Legacy Survey. III. On the Shoulders of (Some) Giants: The Relationship between Inner Small Planets and Outer Massive Planets,” <i>in press</i>. [NASA ADS]</li><li>3. Huber, D., White, T., Metcalfe, T., <b>Chontos, A.</b>, et al., “A 20-Second Cadence View of Solar-Type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Re-characterization of <math>\pi</math> Men c,” <i>in press</i>. [NASA ADS]</li><li>4. Rosenthal, L. J., et al. [including <b>Chontos, A.</b>], “The California Legacy Survey. I. A Catalog of 178 Planets from Precision Radial Velocity Monitoring of 719 Nearby Stars over Three Decades,” <i>ApJSS</i>, <b>225</b>, 8 (2021). [NASA ADS]</li><li>5. Guerrero et al. [including <b>Chontos, A.</b>], “The TESS Objects of Interest Catalog from the TESS Prime Mission,” <i>ApJSS</i>, <b>254</b>, 39 (2021). [NASA ADS]</li><li>6. Addison, B. C., et al. [including <b>Chontos, A.</b>], “TOI-257b (HD 19916b): a warm sub-saturn orbiting an evolved F-type star,” <i>MNRAS</i>, <b>502</b>, 3704-3722 (2021). [NASA ADS]</li><li>7. Rubenzahl, R., Dai, F., Howard, A. W., <b>Chontos, A.</b>, et al., “The TESS-Keck Survey. IV. A Retrograde, Polar Orbit for the Ultra-low-density, Hot Super-Neptune WASP-107b,” <i>AJ</i>, <b>161</b>, 119 (2021). [NASA ADS]</li><li>8. Lund, M., Knudstrup, E., Silva Aguirre, V., Basu, S., <b>Chontos, A.</b>, et al., “Asteroseismology of Multiplanet System K2-93,” <i>AJ</i>, <b>158</b>, 248 (2019). [NASA ADS]</li><li>9. Crossfield, I. J. M., et al. [including <b>Chontos, A.</b>], “A Super-Earth and Sub-Neptune Transiting the Late-type M Dwarf LP 791-18,” <i>ApJL</i>, <b>883</b>, L16 (2019). [NASA ADS]</li></ol> |                                                       |

10. Huber, D., Chaplin, W., **Chontos, A.**, et al., “A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS,” *AJ*, **157**, 245 (2019). [NASA ADS]
  11. Grunblatt, S., et al. [including **Chontos, A.**], “Do Close-in Giant Planets Orbiting Evolved Stars Prefer Eccentric Orbits?” *ApJL*, **861**, L5 (2018). [NASA ADS]
  12. De Rosa, R. J., et al. [including **Chontos, A.**], “Astrometric Confirmation and Preliminary Orbital Parameters of the Young Exoplanet 51 Eridani b with the Gemini Planet Imager,” *ApJL*, **814**, L3 (2015). [NASA ADS]
- OTHER  
CO-AUTHOR  
PUBLICATIONS
1. Dalba, P., et al. [including **Chontos, A.**], “The TESS-Keck Survey. VIII. Confirmation of a Transiting Giant Planet on an Eccentric 261 day Orbit with the Automated Planet Finder Telescope,” *in review*. [NASA ADS]
  2. Mohammed, E., et al. [including **Chontos, A.**], “TOI 560: Two Transiting Planets Orbiting a K Dwarf Validated with iSHELL, PFS and HIRES RVs,” *in review*. [NASA ADS]
  3. Heidari, N., et al. [including **Chontos, A.**], “HD207897 b: A Dense Sub-Neptune Transiting a Nearby and Bright K-type Star,” *in review*. [NASA ADS]
  4. Saunders, N., et al. [including **Chontos, A.**], “TESS Giants Transiting Giants I: A Non-inflated Hot Jupiter Orbiting a Massive Subgiant,” *in review*. [NASA ADS]
  5. Winters, J. G., et al. [including **Chontos, A.**], “A Second Planet Transiting LTT-1445A and a Determination of the Masses of Both Worlds,” *in review*. [NASA ADS]
  6. MacDougall, M., et al. [including **Chontos, A.**], “The TESS-Keck Survey. VI. Two Eccentric Sub-Neptunes Orbiting HIP-97166,” *AJ*, *in press*. [NASA ADS]
  7. Lubin, J., et al. [including **Chontos, A.**], “TESS-Keck Survey IX: Masses of Three Sub-Neptunes Orbiting HD 191939 and the Discovery of a Warm Jovian Plus a Distant Sub-Stellar Companion,” *AJ*, *in press*. [NASA ADS]
  8. Mathur, S., et al. [including **Chontos, A.**], “Detections of solar-like oscillations in dwarfs and subgiants with Kepler DR25 short-cadence data,” *A&A*, **657**, A31 (2022). [NASA ADS]
  9. Polanski, A. S., et al. [including **Chontos, A.**], “Wolf 503 b: Characterization of a Sub-Neptune Orbiting a Metal-Poor K Dwarf,” *AJ*, **162**, 238 (2021). [NASA ADS]
  10. Scarsdale, N., et al. [including **Chontos, A.**], “The TESS-Keck Survey. V. Twin Sub-Neptunes Transiting the Nearby G Star HD 63935,” *AJ*, **162**, 215 (2021). [NASA ADS]
  11. Llop-Sayson, J., et al. [including **Chontos, A.**], “Constraining the Orbit and Mass of  $\epsilon$  Eridani b with Radial Velocities, Hipparcos IAD-Gaia DR2 Astrometry, and Multi-epoch Vortex Coronagraphy Upper Limits,” *AJ*, **162**, 181 (2021). [NASA ADS]
  12. Zhang, J., Weiss, L. M., Huber, D., Blunt, S., **Chontos, A.**, et al., “Long-period Jovian Tilts the Orbits of Two sub-Neptunes Relative to Stellar Spin Axis in Kepler-129,” *AJ*, **162**, 89 (2021). [NASA ADS]

13. Fulton, B. J., et al. [including **Chontos, A.**], “The California Legacy Survey. II. Occurrence of Giant Planets beyond the Ice Line,” *ApJSS*, **255**, 14 (2021). [NASA ADS]
14. Dai, F., et al. [including **Chontos, A.**], “TKS X: Confirmation of TOI-1444b and a Comparative Analysis of the Ultra-short-period Planets with Hot Neptunes,” *AJ*, **162**, 62 (2021). [NASA ADS]
15. Weiss, L. M., et al. [including **Chontos, A.**], “The TESS-Keck Survey. II. An Ultra-short-period Rocky Planet and its Siblings Transiting the Galactic Thick-disk Star TOI-561,” *AJ*, **161**, 56 (2021). [NASA ADS]
16. Kosiarek, M. R., et al. [including **Chontos, A.**], “Physical Parameters of the Multiplanet Systems HD 106315 and GJ 9827,” *AJ*, **161**, 47 (2021). [NASA ADS]
17. Dreizler, S., et al. [including **Chontos, A.**], “The CARMENES search for exoplanets around M dwarfs. LP 714-47 b (TOI 442.01): populating the Neptune desert,” *A&A*, **644**, A127 (2020). [NASA ADS]
18. Dai, F., et al. [including **Chontos, A.**], “The TESS-Keck Survey. III. A Stellar Obliquity Measurement of TOI-1726 c,” *AJ*, **160**, 193 (2020). [NASA ADS]
19. Demory, B. O., et al. [including **Chontos, A.**], “A Super-Earth and a Sub-Neptune Orbiting the Bright, Quiet M3 Dwarf TOI-1266,” *A&A*, **642**, A49 (2020). [NASA ADS]
20. Carleo, I., et al. [including **Chontos, A.**], “The Multiplanet System TOI-421,” *AJ*, **160**, 114 (2020). [NASA ADS]
21. Cloutier, R., et al. [including **Chontos, A.**], “TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs,” *AJ*, **160**, 22 (2020). [NASA ADS]
22. Dalba, P., et al. [including **Chontos, A.**], “The TESS-Keck Survey. I. A Warm Sub-Saturn-mass Planet and a Caution about Stray Light in TESS Cameras,” *AJ*, **159**, 241 (2020). [NASA ADS]
23. Guo, X., et al. [including **Chontos, A.**], “Updated Parameters and a New Transmission Spectrum of HD 97658b,” *AJ*, **159**, 239 (2020). [NASA ADS]
24. Pope, B. J. S., et al. [including **Chontos, A.**], “The Kepler Smear Campaign: Light Curves for 102 Very Bright Stars,” *ApJSS*, **244**, 18 (2019). [NASA ADS]
25. Becker, J. C., et al. [including **Chontos, A.**], “A Discrete Set of Possible Transit Ephemerides for Two Long-period Gas Giants Orbiting HIP 41378,” *AJ*, **157**, 19 (2019). [NASA ADS]