

# ASHLEY CHONTOS

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SUMMARY      **51 total publications:** 4 first author and 16 with significant contributions,  
**h-index = 17, total citations ~850** (updated November 25, 2022).

FIRST AUTHOR PUBLICATIONS      1. **Chontos, A.**, Huber, D., Sayeed, M. and Yamsiri, P., “pySYD: Automated Measurements of Global Asteroseismic Parameters,” *The Journal of Open Source Software*, Volume 7, Issue 79, id.3331 (11/2022). [NASA ADS]

2. **Chontos, A.**, Murphy, J., MacDougall, M., et al., “The TESS-Keck Survey: Science Goals and Target Selection,” *The Astronomical Journal*, Volume 163, Issue 6, id.297 (06/2022). [NASA ADS]

3. **Chontos, A.**, Huber, D., Kjeldsen, H., et al., “TESS Asteroseismology of  $\alpha$  Mensae: Benchmark Ages for a G7 Dwarf and its M-dwarf Companion,” *The Astrophysical Journal*, Volume 922, Issue 2, id.229 (12/2021). [NASA ADS]

4. **Chontos, A.**, Huber, D., Latham, D., et al., “The Curious Case of KOI 4: Confirming Kepler’s First Exoplanet Detection,” *The Astronomical Journal*, Volume 157, Issue 5, id.192 (05/2019). [NASA ADS]

SIGNIFICANT CO-AUTHOR PUBLICATIONS      1. Grunblatt, G., Saunders, N., **Chontos, A.**, et al., “TESS Giants Transiting Giants III: An Eccentric Warm Jupiter Supports a Period-eccentricity Relation for Giant Planets Transiting Evolved Stars,” *The Astronomical Journal*, *submitted*. [NASA ADS]

2. Hatt, E., et al. [including **Chontos, A.**], “A Catalogue of Solar-like Oscillators Observed by TESS in 120-second and 20-second Cadence,” *Astronomy & Astrophysics*, *accepted*. [NASA ADS]

3. Boesgaard, A., Deliyannis, C., Lum, M., and **Chontos, A.**, “Lithium and Beryllium in One Solar Mass Stars,” *The Astrophysical Journal*, *accepted*. [NASA ADS]

4. Rosenthal, L., et al. [including **Chontos, A.**], “The California Legacy Survey. III. On the Shoulders of (Some) Giants: The Relationship between Inner Small Planets and Outer Massive Planets,” *The Astrophysical Journal Supplement Series*, Volume 262, Issue 1, id.1 (09/2022). [NASA ADS]

5. Boesgaard, A., Lum, M., **Chontos, A.**, and Deliyannis, C., “Lithium and Beryllium in NGC 752: an Open Cluster Twice The Age of the Hyades,” *The Astrophysical Journal*, Volume 927, Issue 1, id.118 (03/2022). [NASA ADS]

6. Grunblatt, S., Saunders, N., Sun, M., **Chontos, A.**, et al. “TESS Giants Transiting Giants. II. The Hottest Jupiters Orbiting Evolved Stars,” *The Astronomical Journal*, Volume 163, Issue 3, id.120 (03/2022). [NASA ADS]

7. Huber, D., White, T., Metcalfe, T., **Chontos, A.**, 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  $\pi$  Men c,” *The Astronomical Journal*, Volume 163, Issue 2, id.79 (02/2022). [NASA ADS]

8. Rosenthal, L. J., et al. [including **Chontos, A.**], “The California Legacy Survey. I. A Catalog of 178 Planets from Precision Radial Velocity Monitoring of 719 Nearby Stars over Three Decades,” *The Astrophysical Journal Supplement Series*, Volume 225, Issue 1, id.8 (07/2021). [NASA ADS]
9. Guerrero et al. [including **Chontos, A.**], “The TESS Objects of Interest Catalog from the TESS Prime Mission,” *The Astrophysical Journal Supplement Series*, Volume 254, Issue 2, id.39 (06/2021). [NASA ADS]
10. Addison, B. C., et al. [including **Chontos, A.**], “TOI-257b (HD 19916b): a warm sub-saturn orbiting an evolved F-type star,” *Monthly Notices of the Royal Astronomical Society*, Volume 502, Issue 3, pp.3704-3722 (04/2021). [NASA ADS]
11. Rubenzahl, R., Dai, F., Howard, A. W., **Chontos, A.**, et al., “The TESS-Keck Survey. IV. A Retrograde, Polar Orbit for the Ultra-low-density, Hot Super-Neptune WASP-107b,” *The Astronomical Journal*, Volume 161, Issue 3, id.119 (03/2021). [NASA ADS]
12. Lund, M., Knudstrup, E., Silva Aguierre, V., Basu, S., **Chontos, A.**, et al., “Asteroseismology of Multiplanet System K2-93,” *The Astronomical Journal*, Volume 158, Issue 6, id.248 (12/2019). [NASA ADS]
13. Crossfield, I. J. M., et al. [including **Chontos, A.**], “A Super-Earth and Sub-Neptune Transiting the Late-type M Dwarf LP 791-18,” *The Astrophysical Journal Letters*, Volume 883, Issue 1, id.L16 (09/2019). [NASA ADS]
14. Huber, D., Chaplin, W., **Chontos, A.**, et al., “A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS,” *The Astronomical Journal*, Volume 157, Issue 6, id.245 (06/2019). [NASA ADS]
15. Grunblatt, S., et al. [including **Chontos, A.**], “Do Close-in Giant Planets Orbiting Evolved Stars Prefer Eccentric Orbits?” *The Astrophysical Journal Letters*, Volume 861, Issue 1, id.L5 (07/2018). [NASA ADS]
16. 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,” *The Astrophysical Journal Letters*, Volume 814, Issue 1, id.L3 (11/2015). [NASA ADS]

OTHER  
CO-AUTHOR  
PUBLICATIONS

1. Yee, S., et al. [including **Chontos, A.**], “The TESS Grand Unified Hot Jupiter Survey. II. Twenty New Giant Planets,” *The Astronomical Journal*, *submitted*. [NASA ADS]
2. Dai, F., et al. [including **Chontos, A.**], “TOI-1136 is a Young, Coplanar, Aligned Planetary System in a Pristine Resonant Chain,” *The Astronomical Journal*, *accepted*. [NASA ADS]
3. Van Zandt, J., et al. [including **Chontos, A.**], “TESS-Keck Survey XIV: 2 Giant Exoplanets from the Distant Giants Survey,” *The Astronomical Journal*, *accepted*. [NASA ADS]
4. 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]

5. MacDougall, M., et al. [including **Chontos, A.**], “The TESS-Keck Survey. XIII. An Eccentric Hot Neptune with a Similar-Mass Outer Companion around TOI-1274,” *The Astronomical Journal*, Volume 164, Issue 3, id.97 (09/2022). [NASA ADS]
6. Turtelboom, E., et al. [including **Chontos, A.**], “The TESS-Keck Survey. XI. Mass Measurements for Four Transiting Sub-Neptunes Orbiting K Dwarf TOI-1246,” *The Astronomical Journal*, Volume 163, Issue 6, id.293 (06/2022). [NASA ADS]
7. Winters, J. G., et al. [including **Chontos, A.**], “A Second Planet Transiting LTT-1445A and a Determination of the Masses of Both Worlds,” *The Astronomical Journal*, Volume 163, Issue 4, id.168 (04/2022). [NASA ADS]
8. 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 Substellar Companion,” *The Astronomical Journal*, Volume 163, Issue 2, id.101 (02/2022). [NASA ADS]
9. Giacalone, S., et al. [including **Chontos, A.**], “Validation of 13 Hot and Potentially Terrestrial TESS Planets,” *The Astronomical Journal*, Volume 163, Issue 2, id.99 (02/2022). [NASA ADS]
10. 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,” *The Astronomical Journal*, Volume 163, Issue 2, id.61 (02/2022). [NASA ADS]
11. Heidari, N., et al. [including **Chontos, A.**], “HD207897 b: A Dense Sub-Neptune Transiting a Nearby and Bright K-type Star,” *Astronomy & Astrophysics*, Volume 658, id.A176 (02/2022). [NASA ADS]
12. Saunders, N., et al. [including **Chontos, A.**], “TESS Giants Transiting Giants I: A Non-inflated Hot Jupiter Orbiting a Massive Subgiant,” *The Astronomical Journal*, Volume 163, Issue 2, id.53 (02/2022). [NASA ADS]
13. Mathur, S., et al. [including **Chontos, A.**], “Detections of solar-like oscillations in dwarfs and subgiants with Kepler DR25 short-cadence data,” *Astronomy & Astrophysics*, Volume 657, id.A31 (01/2022). [NASA ADS]
14. MacDougall, M., et al. [including **Chontos, A.**], “The TESS-Keck Survey. VI. Two Eccentric Sub-Neptunes Orbiting HIP-97166,” *The Astronomical Journal*, Volume 162, Issue 6, id.265 (12/2021). [NASA ADS]
15. Polanski, A. S., et al. [including **Chontos, A.**], “Wolf 503 b: Characterization of a Sub-Neptune Orbiting a Metal-Poor K Dwarf,” *The Astronomical Journal*, Volume 162, Issue 6, id.238 (12/2021). [NASA ADS]
16. Scarsdale, N., et al. [including **Chontos, A.**], “The TESS-Keck Survey. V. Twin Sub-Neptunes Transiting the Nearby G Star HD 63935,” *The Astronomical Journal*, Volume 162, Issue 5, id.215 (11/2021). [NASA ADS]
17. 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,” *The Astronomical Journal*, Volume 162, Issue 5, id.181 (11/2021). [NASA ADS]

18. 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,” *The Astronomical Journal*, Volume 162, Issue 3, id.89 (09/2021). [NASA ADS]
19. 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,” *The Astronomical Journal*, Volume 162, Issue 2, id.62 (08/2021). [NASA ADS]
20. Fulton, B. J., et al. [including **Chontos, A.**], “The California Legacy Survey. II. Occurrence of Giant Planets beyond the Ice Line,” *The Astrophysical Journal Supplement Series*, Volume 255, Issue 1, id.14 (07/2021). [NASA ADS]
21. 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,” *The Astronomical Journal*, Volume 161, Issue 2, id.56 (02/2021). [NASA ADS]
22. Kosiarek, M. R., et al. [including **Chontos, A.**], “Physical Parameters of the Multiplanet Systems HD 106315 and GJ 9827,” *The Astronomical Journal*, Volume 161, Issue 1, id.47 (01/2021). [NASA ADS]
23. 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,” *Astronomy and Astrophysics*, Volume 644, id.A127 (12/2020). [NASA ADS]
24. Dai, F., et al. [including **Chontos, A.**], “The TESS-Keck Survey. III. A Stellar Obliquity Measurement of TOI-1726 c,” *The Astronomical Journal*, Volume 160, Issue 4, id.193 (10/2020). [NASA ADS]
25. Demory, B. O., et al. [including **Chontos, A.**], “A Super-Earth and a Sub-Neptune Orbiting the Bright, Quiet M3 Dwarf TOI-1266,” *Astronomy and Astrophysics*, Volume 642, id.A49 (10/2020). [NASA ADS]
26. Carleo, I., et al. [including **Chontos, A.**], “The Multiplanet System TOI-421,” *The Astronomical Journal*, Volume 160, Issue 3, id.114 (09/2020). [NASA ADS]
27. Cloutier, R., et al. [including **Chontos, A.**], “TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs,” *The Astronomical Journal*, Volume 160, Issue 1, id.22 (07/2020). [NASA ADS]
28. 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,” *The Astronomical Journal*, Volume 159, Issue 5, id.241 (05/2020). [NASA ADS]
29. Guo, X., et al. [including **Chontos, A.**], “Updated Parameters and a New Transmission Spectrum of HD 97658b,” *The Astronomical Journal*, Volume 159, Issue 5, id.239 (05/2020). [NASA ADS]
30. Pope, B. J. S., et al. [including **Chontos, A.**], “The Kepler Smear Campaign: Light Curves for 102 Very Bright Stars,” *The Astrophysical Journal Supplement Series*, Volume 244, Issue 1, id.18 (09/2019). [NASA ADS]

31. Becker, J. C., et al. [including **Chontos, A.**], “A Discrete Set of Possible Transit Ephemerides for Two Long-period Gas Giants Orbiting HIP 41378,” *The Astronomical Journal*, Volume 157, Issue 1, id.19 (01/2019). [NASA ADS]