

Publication List of Tianjun Gan

7 as the first/second author, 49 contributed work (45 refereed), * = student co-supervised

Leading Author: [ADS Library](#)

1. Lin, Z. (*), **Gan T.**, et al., *One high mass brown dwarf and two objects near the hydrogen burning mass limit*, submitted to MNRAS, arXiv: [2210.13939](#)
2. **Gan, T.** & Wang, X. S., et al., *Occurrence rate of hot Jupiters around early-type M dwarfs based on TESS Primary Mission*, AJ in press, arXiv: [2210.08313](#)
3. **Gan, T.** & Soubkiou, A., et al., *TESS discovery of a sub-Neptune orbiting a mid-M dwarf TOI-2136*, [2022, MNRAS, 514, 4120](#)
4. **Gan, T.** & Lin, Z. (*), et al., *TOI-530b: A giant planet transiting an M dwarf detected by TESS*, [2022, MNRAS, 511, 83](#)
5. **Gan, T.** & Bedell, M., et al., *HD 183579b: a warm sub-Neptune transiting a solar twin detected by TESS*, [2021, MNRAS, 507, 2220](#)
6. **Gan, T.** & Wang, X. S., et al., *Revisiting the HD 21749 planetary system with stellar activity modelling*, [2021, MNRAS, 501, 6042](#)
7. **Gan, T.** & Shporer, A., et al., *LHS 1815b: The First Thick-disk Planet Detected by TESS*, [2020, AJ, 159, 160](#)

Contributed Work: [ADS Library](#)

1. Sun, Q. & Wang, X. S., **Gan T.**, et al., *A Search for Exoplanets in Open Clusters and Young Associations based on TESS Objects of Interest*, [2022, RAA, 22, 7](#)
2. Teske, J. & Wang, X. S., Wolfgang, A., **Gan, T.**, et al., *The Magellan-TESS Survey. I. Survey Description and Midsurvey Results*, [2021, ApJS, 256, 33](#)
3. Knudstrup, Emil, et al. (incl. **Gan, T.**), *Confirmation and characterisation of three giant planets detected by TESS from the FIES/NOT and Tull/McDonald spectrographs*, [2021, A&A, 667, 22](#)
4. Essack, Zahra, et al. (incl. **Gan, T.**), *TOI-1075 b: A Dense, Massive, Ultra-Short Period Hot Super-Earth Straddling the Radius Gap*, arXiv: [2210.14901](#)
5. de Leon, Jerome P., et al. (incl. **Gan, T.**), *A sub-Neptune transiting the young field star HD 18599 at 40 pc*, arXiv: [2210.08179](#)
6. Almenara, J. M., et al. (incl. **Gan, T.**), *GJ 3090 b: one of the most favourable mini-Neptune for atmospheric characterisation*, [2022, A&A, 665, 91](#)
7. Persson, Carina M., et al. (incl. **Gan, T.**), *TOI-2196 b: Rare planet in the hot Neptune desert transiting a G-type star*, [2022, accepted to A&A](#)
8. Yee, Samuel W., et al. (incl. **Gan, T.**), *The TESS Grand Unified Hot Jupiter Survey. I. Ten TESS Planets*, [2022, AJ, 164, 70](#)
9. Psaridi, Angelica, et al. (incl. **Gan, T.**), *Three new brown dwarfs and a massive hot Jupiter revealed by TESS around early-type stars*, [2022, A&A, 664, 94](#)
10. Zhu W., et al. (incl. **Gan, T.**), *Two Candidate KH 15D-like Systems from the Zwicky Transient Facility*, [2022, AJ, 933, 21](#)
11. Ge J., et al. (incl. **Gan, T.**), *ET White Paper: To Find the First Earth 2.0*, [2022, eprint arXiv:2206.06693](#)

12. Turtelboom, Emma V., et al. (incl. **Gan, T.**), *The TESS-Keck Survey. XI. Mass Measurements for Four Transiting Sub-Neptunes Orbiting K Dwarf TOI-1246*, 2022, *AJ*, 163, 293
13. Rodriguez, Joseph E., et al. (incl. **Gan, T.**), *Another Shipment of Six Short-Period Giant Planets from TESS*, 2022, eprint arXiv:2205.05709
14. Christian, Sam, et al. (incl. **Gan, T.**), *A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions*, 2022, *AJ*, 163, 207
15. Knudstrup, E., et al. (incl. **Gan, T.**), *Confirmation and characterisation of three giant planets detected by TESS from the FIES/NOT and Tull/McDonald spectrographs*, 2022, accepted to *A&A*
16. Mann, Andrew W., et al. (incl. **Gan, T.**), *TESS Hunt for Young and Maturing Exoplanets (THYME). VI. An 11 Myr Giant Planet Transiting a Very-low-mass Star in Lower Centaurus Crux*, 2022, *AJ*, 163, 156
17. Wilson, Thomas G., et al. (incl. **Gan, T.**), *A pair of sub-Neptunes transiting the bright K-dwarf TOI-1064 characterized with CHEOPS*, 2022, *MNRAS*, 511, 1043
18. Kaye, Laurel, et al. (incl. **Gan, T.**), *Transit timings variations in the three-planet system: TOI-270*, 2022, *MNRAS*, 510, 5464
19. Jordán, Andrés, et al. (incl. **Gan, T.**), *HATS-74Ab, HATS-75b, HATS-76b, and HATS-77b: Four Transiting Giant Planets Around K and M Dwarfs*, 2022, *AJ*, 163, 125
20. Kemmer, J., et al. (incl. **Gan, T.**), *Discovery and mass measurement of the hot, transiting, Earth-sized planet, GJ 3929 b*, 2022, *A&A*, 659, 17
21. Giacalone, Steven, et al. (incl. **Gan, T.**), *Validation of 13 Hot and Potentially Terrestrial TESS Planets*, 2022, *AJ*, 163, 99
22. Wittenmyer, Robert A., et al. (incl. **Gan, T.**), *TOI-1842b: A Transiting Warm Saturn Undergoing Reinflation around an Evolving Subgiant*, 2022, *AJ*, 163, 82
23. Wong, Ian, et al. (incl. **Gan, T.**), *TOI-2109: An Ultrahot Gas Giant on a 16 hr Orbit*, 2021, *AJ*, 162, 256
24. Boley K., et al. (incl. **Gan, T.**), *Searching For Transiting Planets Around Halo Stars. II. Constraining the Occurrence Rate of Hot Jupiters*, 2021, *AJ*, 162, 85
25. Wells R., et al. (including **Gan, T.**), *A large sub-Neptune transiting the thick-disk M4 V TOI-2406*, 2021, *A&A*, 653, 97
26. Georgieva I., et al. (including **Gan, T.**), *Hot planets around cool stars - two short-period mini-Neptunes transiting the late K-dwarf TOI-1260*, 2021, *MNRAS*, 505, 4084
27. Hedges C., et al. (incl. **Gan, T.**), *TOI-2076 and TOI-1807: Two Young, Comoving Planetary Systems within 50 pc Identified by TESS that are Ideal Candidates for Further Follow Up*, 2021, *AJ*, 162, 54
28. Dong J., et al. (incl. **Gan, T.**), *Warm Jupiters in TESS Full-frame Images: A Catalog and Observed Eccentricity Distribution for Year 1*, 2021, *ApJS*, 255, 6
29. Bryant E., et al. (including **Gan, T.**), *A transit timing variation observed for the long-period extremely low-density exoplanet HIP 41378 f*, 2021, *MNRAS*, 504, 45
30. Cointepas M., et al. (including **Gan, T.**), *TOI-269 b: an eccentric sub-Neptune transiting a M2 dwarf revisited with ExTrA*, 2021, *A&A*, 650, 145
31. Rodriguez J., et al. (incl. **Gan, T.**), *TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images*, 2021, *AJ*, 161, 194
32. Dawson, Rebekah I., et al. (incl. **Gan, T.**), *Precise Transit and Radial-velocity Characterization of a Resonant Pair: The Warm Jupiter TOI-216c and Eccentric Warm Neptune*

- TOI-216b, 2021, *AJ*, 161, 161
33. Waalkes, William C., et al. (incl. **Gan, T.**), *TOI 122b and TOI 237b: Two Small Warm Planets Orbiting Inactive M Dwarfs Found by TESS*, 2021, *AJ*, 161, 13
 34. Parviainen H., et al. (including **Gan, T.**), *TOI-519 b: A short-period substellar object around an M dwarf validated using multicolour photometry and phase curve analysis*, 2021, *A&A*, 645, 16
 35. Burt, Jennifer A., et al. (including **Gan, T.**), *TOI-824 b: A New Planet on the Lower Edge of the Hot Neptune Desert*, 2020, *AJ*, 160, 153
 36. Kemmer, J., et al. (including **Gan, T.**), *Discovery of a hot, transiting, Earth-sized planet and a second temperate, non-transiting planet around the M4 dwarf GJ 3473 (TOI-488)*, 2020, *A&A*, 642, 236
 37. Rodriguez, Joseph E., et al. (including **Gan, T.**), *The First Habitable-zone Earth-sized Planet from TESS. II. Spitzer Confirms TOI-700 d*, 2020, *AJ*, 160, 117
 38. Gilbert, Emily A., et al. (including **Gan, T.**), *The First Habitable-zone Earth-sized Planet from TESS. I. Validation of the TOI-700 System*, 2020, *AJ*, 160, 116
 39. Armstrong D., et al. (incl. **Gan, T.**), *A remnant planetary core in the hot-Neptune desert*, 2020, *Nature*, 583, 39
 40. Nielsen, L. D., et al. (incl. **Gan, T.**), *Three short-period Jupiters from TESS. HIP 65Ab, TOI-157b, and TOI-169b*, 2020, *A&A*, 639, 76
 41. Šubjak, Ján, et al. (incl. **Gan, T.**), *TOI-503: The First Known Brown-dwarf Am-star Binary from the TESS Mission*, 2020, *AJ*, 159, 151
 42. Astudillo-Defru, N., et al. (incl. **Gan, T.**), *A hot terrestrial planet orbiting the bright M dwarf L 168-9 unveiled by TESS*, 2020, *A&A*, 636, 58
 43. Díaz, Matías R., et al. (incl. **Gan, T.**), *TOI-132 b: A short-period planet in the Neptune desert transiting a $V = 11.3$ G-type star*, 2020, *MNRAS*, 493, 973
 44. Shporer, Avi, et al. (incl. **Gan, T.**), *GJ 1252 b: A $1.2 R_{\oplus}$ Planet Transiting an M3 Dwarf at 20.4 pc*, 2020, *ApJL*, 890, 7
 45. Zhou, G., et al. (incl. **Gan, T.**), *Two New HATNet Hot Jupiters around A Stars and the First Glimpse at the Occurrence Rate of Hot Jupiters from TESS*, 2019, *AJ*, 158, 141
 46. Dawson, Rebekah I., et al. (incl. **Gan, T.**), *TOI-216b and TOI-216 c: Two Warm, Large Exoplanets in or Slightly Wide of the 2:1 Orbital Resonance*, 2019, *AJ*, 158, 65
 47. Günther M., et al. (incl. **Gan, T.**), *A super-Earth and two sub-Neptunes transiting the nearby and quiet M dwarf TOI-270*, 2019, *Nature*, 3, 1099
 48. Kostov, Veselin B., et al. (incl. **Gan, T.**), *The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf*, 2019, *AJ*, 158, 32
 49. Vanderspek R., et al. (incl. **Gan, T.**), *TESS Discovery of an Ultra-short-period Planet around the Nearby M Dwarf LHS 3844*, 2019, *ApJ*, 871, 24