

Thiam-Guan Tan

List of Publications by Year in descending order

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97
papers

3,957
citations

136950

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168389

53
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docs citations

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times ranked

2953
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | A temperate rocky super-Earth transiting a nearby cool star. <i>Nature</i> , 2017, 544, 333-336. | 27.8 | 275 |
| 2 | INTERACTING SUPERNOVAE AND SUPERNOVA IMPOSTORS: SN 2009ip, IS THIS THE END?. <i>Astrophysical Journal</i> , 2013, 767, 1. | 4.5 | 207 |
| 3 | A giant planet undergoing extreme-ultraviolet irradiation by its hot massive-star host. <i>Nature</i> , 2017, 546, 514-518. | 27.8 | 205 |
| 4 | MOA-2011-BLG-293Lb: A TEST OF PURE SURVEY MICROLENSING PLANET DETECTIONS. <i>Astrophysical Journal</i> , 2012, 755, 102. | 4.5 | 175 |
| 5 | HATS-6b: A WARM SATURN TRANSITING AN EARLY M DWARF STAR, AND A SET OF EMPIRICAL RELATIONS FOR CHARACTERIZING K AND M DWARF PLANET HOSTS. <i>Astronomical Journal</i> , 2015, 149, 166. | 4.7 | 106 |
| 6 | A terrestrial planet in a ~ 1 -AU orbit around one member of a $\sim 1/4$ 15-AU binary. <i>Science</i> , 2014, 345, 46-49. | 12.6 | 103 |
| 7 | Physical properties, transmission and emission spectra of the WASP-19 planetary system from multi-colour photometry.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 436, 2-18. | 4.4 | 90 |
| 8 | HATS-4b: A DENSE HOT JUPITER TRANSITING A SUPER METAL-RICH G STAR. <i>Astronomical Journal</i> , 2014, 148, 29. | 4.7 | 84 |
| 9 | A super-Earth and two sub-Neptunes transiting the nearby and quiet M dwarf TOI-270. <i>Nature Astronomy</i> , 2019, 3, 1099-1108. | 10.1 | 84 |
| 10 | Two New HATNet Hot Jupiters around A Stars and the First Glimpse at the Occurrence Rate of Hot Jupiters from TESS.... <i>Astronomical Journal</i> , 2019, 158, 141. | 4.7 | 83 |
| 11 | A Second Terrestrial Planet Orbiting the Nearby M Dwarf LHS 1140. <i>Astronomical Journal</i> , 2019, 157, 32. | 4.7 | 83 |
| 12 | MICROLENSING DISCOVERY OF A TIGHT, LOW-MASS-RATIO PLANETARY-MASS OBJECT AROUND AN OLD FIELD BROWN DWARF. <i>Astrophysical Journal</i> , 2013, 778, 38. | 4.5 | 79 |
| 13 | KELT-17B: A HOT-JUPITER TRANSITING AN A-STAR IN A MISALIGNED ORBIT DETECTED WITH DOPPLER TOMOGRAPHY. <i>Astronomical Journal</i> , 2016, 152, 136. | 4.7 | 76 |
| 14 | A remnant planetary core in the hot-Neptune desert. <i>Nature</i> , 2020, 583, 39-42. | 27.8 | 73 |
| 15 | OGLE-2012-BLG-0563Lb: A SATURN-MASS PLANET AROUND AN M DWARF WITH THE MASS CONSTRAINED BY SUBARU AO IMAGING. <i>Astrophysical Journal</i> , 2015, 809, 74. | 4.5 | 66 |
| 16 | Vetting of 384 TESS Objects of Interest with TRICERATOPS and Statistical Validation of 12 Planet Candidates. <i>Astronomical Journal</i> , 2021, 161, 24. | 4.7 | 64 |
| 17 | WASP-167b/KELT-13b: joint discovery of a hot Jupiter transiting a rapidly rotating F1V star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2743-2752. | 4.4 | 63 |
| 18 | KELT-11b: A Highly Inflated Sub-Saturn Exoplanet Transiting the V = 8 Subgiant HD 93396. <i>Astronomical Journal</i> , 2017, 153, 215. | 4.7 | 61 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | KELT-19Ab: A ~ 4.6 -day Hot Jupiter Transiting a Likely Am Star with a Distant Stellar Companion. <i>Astronomical Journal</i> , 2018, 155, 35. | 4.7 | 61 |
| 20 | HATS-17b: A TRANSITING COMPACT WARM JUPITER IN A 16.3 DAY CIRCULAR ORBIT*. <i>Astronomical Journal</i> , 2016, 151, 89. | 4.7 | 57 |
| 21 | KELT-21b: A Hot Jupiter Transiting the Rapidly Rotating Metal-poor Late-A Primary of a Likely Hierarchical Triple System. <i>Astronomical Journal</i> , 2018, 155, 100. | 4.7 | 55 |
| 22 | HATS9-b AND HATS10-b: TWO COMPACT HOT JUPITERS IN FIELD 7 OF THE K2 MISSION. <i>Astronomical Journal</i> , 2015, 150, 33. | 4.7 | 52 |
| 23 | Simultaneous infrared and optical observations of the transiting debris cloud around WD 1145+017. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 4422-4432. | 4.4 | 51 |
| 24 | HATS-25B THROUGH HATS-30B: A HALF-DOZEN NEW INFLATED TRANSITING HOT JUPITERS FROM THE HATSOUTH SURVEY*. <i>Astronomical Journal</i> , 2016, 152, 108. | 4.7 | 49 |
| 25 | The mass-radius relationship for very low mass stars: four new discoveries from the HATSouth Survey.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 437, 2831-2844. | 4.4 | 48 |
| 26 | The KELT Follow-up Network and Transit False-positive Catalog: Pre-vetted False Positives for TESS. <i>Astronomical Journal</i> , 2018, 156, 234. | 4.7 | 46 |
| 27 | A SUPER-JUPITER ORBITING A LATE-TYPE STAR: A REFINED ANALYSIS OF MICROLENSING EVENT OGLE-2012-BLG-0406. <i>Astrophysical Journal</i> , 2014, 782, 48. | 4.5 | 42 |
| 28 | KELT-14b AND KELT-15b: AN INDEPENDENT DISCOVERY OF WASP-122b AND A NEW HOT JUPITER. <i>Astronomical Journal</i> , 2016, 151, 138. | 4.7 | 42 |
| 29 | Two Young Planetary Systems around Field Stars with Ages between 20 and 320 Myr from TESS. <i>Astronomical Journal</i> , 2021, 161, 2. | 4.7 | 42 |
| 30 | A nearby transiting rocky exoplanet that is suitable for atmospheric investigation. <i>Science</i> , 2021, 371, 1038-1041. | 12.6 | 41 |
| 31 | MICROLENSING BINARIES WITH CANDIDATE BROWN DWARF COMPANIONS. <i>Astrophysical Journal</i> , 2012, 760, 116. | 4.5 | 39 |
| 32 | THE SPITZER MICROLENSING PROGRAM AS A PROBE FOR GLOBULAR CLUSTER PLANETS: ANALYSIS OF OGLE-2015-BLG-0448. <i>Astrophysical Journal</i> , 2016, 823, 63. | 4.5 | 39 |
| 33 | The SPHERE infrared survey for exoplanets (SHINE). <i>Astronomy and Astrophysics</i> , 2021, 651, A70. | 5.1 | 39 |
| 34 | KELT-10b: the first transiting exoplanet from the KELT-South survey â€” a hot sub-Jupiter transiting a $v = 10.7$ early G-star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 4281-4298. | 4.4 | 38 |
| 35 | TESS Spots a Hot Jupiter with an Inner Transiting Neptune. <i>Astrophysical Journal Letters</i> , 2020, 892, L7. | 8.3 | 37 |
| 36 | KELT-12b: A ~ 5 day, Highly Inflated Hot Jupiter Transiting a Mildly Evolved Hot Star. <i>Astronomical Journal</i> , 2017, 153, 178. | 4.7 | 35 |

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|----|--|-----|-----------|
| 37 | Photodynamical analysis of the triply eclipsing hierarchical triple system EPIC 249432662. Monthly Notices of the Royal Astronomical Society, 2019, 483, 1934-1951. | 4.4 | 34 |
| 38 | TESS Hunt for Young and Maturing Exoplanets (THYME). IV. Three Small Planets Orbiting a 120 Myr Old Star in the Pisces-Eridanus Stream*. Astronomical Journal, 2021, 161, 65. | 4.7 | 34 |
| 39 | HATS-31B THROUGH HATS-35B: FIVE TRANSITING HOT JUPITERS DISCOVERED BY THE HATSOUTH SURVEY*. Astronomical Journal, 2016, 152, 161. | 4.7 | 33 |
| 40 | A planetary system with two transiting mini-Neptunes near the radius valley transition around the bright M dwarf TOI-776. Astronomy and Astrophysics, 2021, 645, A41. | 5.1 | 33 |
| 41 | TOI-257b (HD 19916b): a warm sub-saturn orbiting an evolved F-type star. Monthly Notices of the Royal Astronomical Society, 2021, 502, 3704-3722. | 4.4 | 33 |
| 42 | CAN THE MASSES OF ISOLATED PLANETARY-MASS GRAVITATIONAL LENSES BE MEASURED BY TERRESTRIAL PARALLAX?. Astrophysical Journal, 2015, 799, 181. | 4.5 | 32 |
| 43 | HATS-11B AND HATS-12B: TWO TRANSITING HOT JUPITERS ORBITING SUBSOLAR METALLICITY STARS SELECTED FOR THE K2 CAMPAIGN 7*. Astronomical Journal, 2016, 152, 88. | 4.7 | 32 |
| 44 | GJ 1252 b: A 1.2 R _J Planet Transiting an M3 Dwarf at 20.4 pc. Astrophysical Journal Letters, 2020, 890, L7. | 8.3 | 31 |
| 45 | KELT-18b: Puffy Planet, Hot Host, Probably Perturbed. Astronomical Journal, 2017, 153, 263. | 4.7 | 30 |
| 46 | HATS-50b through HATS-53b: Four Transiting Hot Jupiters Orbiting G-type Stars Discovered by the HATSouth Survey*. Astronomical Journal, 2018, 155, 79. | 4.7 | 30 |
| 47 | HATS-39b, HATS-40b, HATS-41b, and HATS-42b: three inflated hot Jupiters and a super-Jupiter transiting F stars. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3406-3423. | 4.4 | 30 |
| 48 | The TESS-Keck Survey. II. An Ultra-short-period Rocky Planet and Its Siblings Transiting the Galactic Thick-disk Star TOI-561. Astronomical Journal, 2021, 161, 56. | 4.7 | 30 |
| 49 | TIC 168789840: A Sextuply Eclipsing Sextuple Star System. Astronomical Journal, 2021, 161, 162. | 4.7 | 28 |
| 50 | HATS-36b and 24 Other Transiting/Eclipsing Systems from the HATSouth-K2 Campaign 7 Program. Astronomical Journal, 2018, 155, 119. | 4.7 | 27 |
| 51 | HATS-60b-HATS-69b: 10 Transiting Planets from HATSouth*. Astronomical Journal, 2019, 157, 55. | 4.7 | 27 |
| 52 | TOI-824 b: A New Planet on the Lower Edge of the Hot Neptune Desert. Astronomical Journal, 2020, 160, 153. | 4.7 | 27 |
| 53 | HATS-15b and HATS-16b: Two Massive Planets Transiting Old G Dwarf Stars. Publications of the Astronomical Society of the Pacific, 2016, 128, 074401. | 3.1 | 26 |
| 54 | The ρ Pictoris association: Catalog of photometric rotational periods of low-mass members and candidate members. Astronomy and Astrophysics, 2017, 600, A83. | 5.1 | 26 |

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|----|--|-----|-----------|
| 55 | KELT-25 b and KELT-26 b: A Hot Jupiter and a Substellar Companion Transiting Young A Stars Observed by TESS*. <i>Astronomical Journal</i> , 2020, 160, 111. | 4.7 | 26 |
| 56 | CHARACTERIZING LOW-MASS BINARIES FROM OBSERVATION OF LONG-TIMESCALE CAUSTIC-CROSSING GRAVITATIONAL MICROLENSING EVENTS. <i>Astrophysical Journal</i> , 2012, 755, 91. | 4.5 | 25 |
| 57 | A CLOSER LOOK AT THE FLUCTUATIONS IN THE BRIGHTNESS OF SN 2009IP DURING ITS LATE 2012 ERUPTION. <i>Astronomical Journal</i> , 2015, 149, 9. | 4.7 | 25 |
| 58 | The compact triply eclipsing triple star TIC 209409435 discovered with <i>TESS</i>. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 4624-4636. | 4.4 | 23 |
| 59 | TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. <i>Astronomical Journal</i> , 2020, 160, 235. | 4.7 | 23 |
| 60 | ECLIPSES DURING THE 2010 ERUPTION OF THE RECURRENT NOVA U SCORPII. <i>Astrophysical Journal</i> , 2011, 742, 113. | 4.5 | 22 |
| 61 | TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. <i>Astronomical Journal</i> , 2021, 161, 194. | 4.7 | 22 |
| 62 | The refined physical properties of the transiting exoplanetary system WASP-41. <i>Astronomische Nachrichten</i> , 2015, 336, 145-152. | 1.2 | 21 |
| 63 | THE FIRST SIMULTANEOUS MICROLENSING OBSERVATIONS BY TWO SPACE TELESCOPES: SPITZER AND SWIFT REVEAL A BROWN DWARF IN EVENT OGLE-2015-BLG-1319. <i>Astrophysical Journal</i> , 2016, 831, 183. | 4.5 | 21 |
| 64 | A NEW TYPE OF AMBIGUITY IN THE PLANET AND BINARY INTERPRETATIONS OF CENTRAL PERTURBATIONS OF HIGH-MAGNIFICATION GRAVITATIONAL MICROLENSING EVENTS. <i>Astrophysical Journal</i> , 2012, 756, 48. | 4.5 | 20 |
| 65 | Spitzer Microlensing Parallax for OGLE-2017-BLG-0896 Reveals a Counter-rotating Low-mass Brown Dwarf. <i>Astronomical Journal</i> , 2019, 157, 106. | 4.7 | 20 |
| 66 | TOI-132b: A short-period planet in the Neptune desert transiting a <i>V</i> = 11.3- \hat{A} -type star.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 973-985. | 4.4 | 19 |
| 67 | TOI-431/HIP 26013: a super-Earth and a sub-Neptune transiting a bright, early K dwarf, with a third RV planet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2782-2803. | 4.4 | 19 |
| 68 | The Magellan-TESS Survey. I. Survey Description and Midsurvey Results* \hat{A} . <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 33. | 7.7 | 19 |
| 69 | MOA-2013-BLG-220Lb: MASSIVE PLANETARY COMPANION TO GALACTIC-DISK HOST. <i>Astrophysical Journal</i> , 2014, 790, 14. | 4.5 | 18 |
| 70 | Warm Jupiters in TESS Full-frame Images: A Catalog and Observed Eccentricity Distribution for Year 1. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 6. | 7.7 | 18 |
| 71 | Populating the brown dwarf and stellar boundary: Five stars with transiting companions near the hydrogen-burning mass limit. <i>Astronomy and Astrophysics</i> , 2021, 652, A127. | 5.1 | 18 |
| 72 | Three short-period Jupiters from TESS. <i>Astronomy and Astrophysics</i> , 2020, 639, A76. | 5.1 | 17 |

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|----|---|-----|-----------|
| 73 | CANDIDATE GRAVITATIONAL MICROLENSING EVENTS FOR FUTURE DIRECT LENS IMAGING. <i>Astrophysical Journal</i> , 2014, 794, 71. | 4.5 | 15 |
| 74 | EPIC 219217635: A Doubly Eclipsing Quadruple System Containing an Evolved Binary. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , . | 4.4 | 15 |
| 75 | A Planetary Microlensing Event with an Unusually Red Source Star: MOA-2011-BLG-291. <i>Astronomical Journal</i> , 2018, 156, 113. | 4.7 | 15 |
| 76 | HATS-54bâ€“HATS-58Ab: Five New Transiting Hot Jupiters Including One with a Possible Temperate Companion*. <i>Astronomical Journal</i> , 2019, 158, 63. | 4.7 | 15 |
| 77 | KELT-24b: A 5M_J Planet on a 5.6 day Well-aligned Orbit around the Young VÂ=Â8.3 F-star HD 93148. <i>Astronomical Journal</i> , 2019, 158, 197. | 4.7 | 15 |
| 78 | A transit timing variation observed for the long-period extremely low-density exoplanet HIPâ€‰41378â€‰of. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 504, L45-L50. | 3.3 | 15 |
| 79 | HATS-13b and HATS-14b: two transiting hot Jupiters from the HATSouth survey. <i>Astronomy and Astrophysics</i> , 2015, 580, A63. | 5.1 | 15 |
| 80 | A Possible Alignment Between the Orbits of Planetary Systems and their Visual Binary Companions. <i>Astronomical Journal</i> , 2022, 163, 207. | 4.7 | 15 |
| 81 | OGLE-2017-BLG-0406: Spitzer Microlens Parallax Reveals Saturn-mass Planet Orbiting M-dwarf Host in the Inner Galactic Disk. <i>Astronomical Journal</i> , 2020, 160, 74. | 4.7 | 14 |
| 82 | Link between the potentially hazardous Asteroid (86039) 1999 NC43 and the Chelyabinsk meteoroid tenuous. <i>Icarus</i> , 2015, 252, 129-143. | 2.5 | 11 |
| 83 | TOI 564 b and TOI 905 b: Grazing and Fully Transiting Hot Jupiters Discovered by TESS. <i>Astronomical Journal</i> , 2020, 160, 229. | 4.7 | 11 |
| 84 | Occultations from an Active Accretion Disk in a 72-day Detached Post-Algol System Detected by K2. <i>Astrophysical Journal</i> , 2018, 854, 109. | 4.5 | 10 |
| 85 | Transit Timing Variations for AU Microscopii b and c. <i>Astronomical Journal</i> , 2022, 164, 27. | 4.7 | 10 |
| 86 | KELT-22Ab: A Massive, Short-Period Hot Jupiter Transiting a Near-solar Twin. <i>Astrophysical Journal, Supplement Series</i> , 2019, 240, 13. | 7.7 | 9 |
| 87 | KELT-23Ab: A Hot Jupiter Transiting a Near-solar Twin Close to the TESS and JWST Continuous Viewing Zones. <i>Astronomical Journal</i> , 2019, 158, 78. | 4.7 | 8 |
| 88 | TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. <i>Astronomical Journal</i> , 2021, 161, 82. | 4.7 | 8 |
| 89 | Validation of 13 Hot and Potentially Terrestrial TESS Planets. <i>Astronomical Journal</i> , 2022, 163, 99. | 4.7 | 8 |
| 90 | The PDSâ€‰110 observing campaign â€“ photometric and spectroscopic observations reveal eclipses are aperiodic. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 1614-1625. | 4.4 | 7 |

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|----|---|-----|-----------|
| 91 | HATS-37Ab and HATS-38b: Two Transiting Hot Neptunes in the Desert*. <i>Astronomical Journal</i> , 2020, 160, 222. | 4.7 | 6 |
| 92 | The LHS 1678 System: Two Earth-sized Transiting Planets and an Astrometric Companion Orbiting an M Dwarf Near the Convective Boundary at 20 pc. <i>Astronomical Journal</i> , 2022, 163, 151. | 4.7 | 6 |
| 93 | Transit timings variations in the three-planet system: TOI-270. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5464-5485. | 4.4 | 6 |
| 94 | HATS-59b,c: A Transiting Hot Jupiter and a Cold Massive Giant Planet around a Sun-like Star*. <i>Astronomical Journal</i> , 2018, 156, 216. | 4.7 | 5 |
| 95 | Two Massive Jupiters in Eccentric Orbits from the TESS Full-frame Images. <i>Astronomical Journal</i> , 2022, 163, 9. | 4.7 | 5 |
| 96 | The highly inflated giant planet WASP-174b. <i>Astronomy and Astrophysics</i> , 2020, 633, A30. | 5.1 | 2 |
| 97 | A KELTâ€“TESS Eclipsing Binary in a Young Triple System Associated with the Local â€œStellar Stringâ€•Theia 301. <i>Astronomical Journal</i> , 2020, 160, 187. | 4.7 | 2 |