

MUTIAN WANG

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EDUCATION

Nanjing University , Astronomy, <i>PhD Candidate (expected 2027)</i>	2021.09 - Present
• Advisor: Prof. Hui-Gen Liu.	
Nanjing University , <i>Bachelor of Science in Astronomy</i>	2016.09 - 2020.07
• GPA: 4.61/5.0, Ranking 3/25	

RESEARCH EXPERIENCE

University of Hawaii at Manoa, Institute for Astronomy	2024.11 - 2025.11
• Research Scholar. Supervisor: Prof. Fei Dai.	
University of Sydney, Department of Physics	2019.07-2019.08
• Summer Internship, Supervisors: Prof. Peter Tuthill, Dr. Barnaby Norris.	

PUBLICATION

Leading author: 5

1. *An Adolescent, Near-resonant Planetary System Near the End of Photoevaporation*
M.-T. Wang, F. Dai, H.-G. Liu, H. Chen, et al., 2025, accepted by **Nature Astronomy**.
2. *TOI-4495: A Pair of Aligned, Near-Resonant Sub-Neptunes that Experienced Overstable Migration*
M.-T. Wang, F. Dai, H.-G. Liu, K. Masuda et al., 2025, accepted by **The Astronomical Journal**.
3. *Photodynamical Analysis of Circumbinary Multi-planet System TOI-1338: A Fully Coplanar Configuration With A Puffy Planet*
M.-T. Wang and H.-G. Liu, 2024, **The Astronomical Journal**, 168, 31.
4. *The Accretion History of EX Lup: A Century of Bursts, Outbursts, and Quiescence*
M.-T. Wang, G. J. Herczeg, H.-G. Liu, M. Fang et al., 2023, **The Astrophysical Journal**, 957, 113.
5. *Follow-up Photometry in Another Band Helps to Reduce Kepler's False-positive Rates*
M.-T. Wang, H.-G. Liu, J. Zhu, & J.-L. Zhou. 2021, **The Astronomical Journal**, 162, 258.

N-th author and non-referreed

1. *Unexpected Near-Resonant and Metastable States of Young Multi-Planet Systems*
Z. Hu, F. Dai, W. Zhu, **M.-T. Wang** et al., 2025, **The Astrophysical Journal**, 995, 206.
2. *ET White Paper: To Find the First Earth 2.0*
J. Ge et al. (incl. **M.-T. Wang**), arXiv:2206.06693.
3. *Finding exoplanet in habitable zone with light echoes*
M. Wang, P. Tuthill, & B. Norris, 2020, Proc. SPIE 11448, Adaptive Optics Systems VII, 114484V.

GRANTS

National Natural Science Foundation of China (for PhD), 300k RMB (~\$42k)	2025.01-2026.12
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CONFERENCE TALK

SPIE Astronomical Telescopes + Instrumentation , Online, Talk	2020
From KBO to JFC: Small Icy Bodies in the Solar System , Nanjing, Talk	2019
Earth 2.0 Transit Planet Survey Space Mission Science Meeting , Online, Talk	2020
TESS Science Conference II , Online, Poster	2021
Asian Oceania Geosciences Society (AOGS) , Singapore, Poster	2023
Exoplanet and Planet Formation , Beijing, Talk	2023
Asian Oceania Geosciences Society (AOGS) , Pyeongchang, Talk	2024
TESS Science Conference III , Boston, Talk	2024
Planet on Edge , Santa Barbara KITP, Poster	2025
Geneva Resonant State Workshop , Geneva, Talk	2025
Solar System in Context 2025 , Tucson, Talk	2025
International Conference on Exoplanet and Planet Formation , Shanghai, Talk	2025

HORNORS

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| • First Prize in the Jiangsu Provincial Astronomy Graduate Innovation and Practice Competition | 2023 |
| • First-Class Graduate Talent Scholarship | 2024 |
| • Second-Class Graduate Talent Scholarship | 2022 |
| • Outstanding Graduate Students of Nanjing University | 2021–2024 |
| • Second-Class Excellence Program Scholarship | 2017–2019 |
| • First-Class Nanjing University People's Scholarship | 2018 |
| • National Astronomical Observatories of the Chinese Academy of Sciences Scholarship | 2017, 2019 |