

# MUTIAN WANG

mobile: (+86) 15606931699 · email: mutianwang97@gmail.com

Website: <https://mtianwang.github.io> · <https://orcid.org/0000-0003-3015-6455>

## EDUCATION

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

## RESEARCH EXPERIENCE

<b>University of Hawaii at Manoa, Institute for Astronomy</b>	2024.11 - 2025.11
• Research Scholar. Supervisor: Prof. Fei Dai.	
<b>University of Sydney, Department of Physics</b>	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

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

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

## HONORS

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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