

Shuo Huang

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PERSONAL INFORMATION

E-mail: huangs20@mails.tsinghua.edu.cn Mobile: +86 182 6262 9658
Website: <https://shuohuanggit.github.io/> Orcid: 0000-0002-0054-8880

EDUCATION

2026.06 (expected) Joint PhD at Tsinghua University (China) & Leiden Observatory (the Netherlands). Advisor: Prof. Chris Ormel & Prof. Simon Portegies Zwart
2020.07 BS in Applied Physics, Hohai University, Nanjing, China

PUBLICATION LIST

(6 first author; 4 co-author; see [NASA ADS](#)) First author:

1. **Huang, S.**, Ormel, C., Portegies Zwart, S., et al. A Resonant Beginning for the Solar System Terrestrial Planets, 2025, [APJ](#), **988**, 137
2. **Huang, S.**, van der Marel, N. & Portegies Zwart, S., On the origin of transition disk cavities: Pebble-accreting protoplanets vs Super-Jupiters, 2024, [A&A](#), **691**, A155
3. **Huang, S.**, Portegies Zwart, S., C. & Wilhelm, M. On the suppression of giant planet formation around low-mass stars in clustered environments, 2024, [A&A](#), **689**, A338
4. **Huang, S.** & Ormel, C., When, where, and how many planets end up in first-order resonances?, 2023, [MNRAS](#), **522**, 1
5. **Huang, S.** & Ormel, C., The dynamics of the TRAPPIST-1 system in the context of its formation, 2022, [MNRAS](#), **511**, 3
6. **Huang, S.**, Zou, H., Liu, T., et al., An Active Flexure Compensation Method for LAMOST spectrograph based on BP-Neural Network, 2020, [RAA](#), **20**, 3

Co-author:

1. Mass, B., **Huang S.** (*co-supervision*) & Portegies Zwart, S., Stability of a cluster-disrupted mean-motion resonance (chain) in HR 8799 and PDS 70, 2025, [A&A](#), **700**, A108
2. Portegies Zwart, S. & **Huang, S.** Oort Cloud Ecology. III. The Sun left the parent star cluster shortly after the giant planets formed, 2025, [A&A](#), **698L**, 27
3. Yi, T., et al. (including **Huang, S.**), The dynamical history of the Kepler-221 planet system, 2025, [A&A](#), **695**, A191
4. Kuang, R., et al. (including **Huang, S.**), OGLE-2019-BLG-1470LABc: Another microlensing giant planet in a binary system?, 2022, [MNRAS](#), **516**, 2

SUPERVISION EXPERIENCE

Teaching Assistant: Stars and Planets, Spring 2022, Tsinghua University

Co-supervised:

- summer research project, *A Broken Chain Around Barnard's Star*, with student Tony Huang, 2025, Tsinghua University.
- research project, *Stability of wide resonance chain in star clusters*, with master student, Maas Brent, Leiden University. **Paper published.**

GRANTS AND AWARDS (TOTAL \$86,300)

2024.12	2024 Chinese Association for Science and Technology (CAST) Young Talent Lift Engineering PhD Fellowship (3,000 selected candidates nationwide)	\$5,600
2024	National Scholarship, Tsinghua University (2 in 90 students)	\$4,200
2023.09	1M-CPU hours using Dutch national e-infrastructure with the support of the SURF Cooperative, "EINF-6701"	\$35,000
2023	First Class Prize, Tsinghua University (5 in 90 students)	\$1,400
2022	Chinese CSC scholarship (6,000 selected candidates nationwide)	\$38,000
2021	Second Class Prize, Tsinghua University (8 in 50 students)	\$700
2020	Jiangsu Province Model Student, Hohai University (10 in 20,000 students)	
2018	National Scholarship, Hohai University (3 in 400 students)	\$1,400

CONFERENCE PRESENTATIONS & SEMINARS

Invited and seminar talks:

2025.03	Invited talk in Beijing Planetarium, Beijing, China
2024.11	Special seminar talk in NAOJ, Tokyo, Japan
2024.10	Invited ET seminar talk at Shanghai Astronomical Observatory (SHAO), online
2024.08	Special seminar talk in Bern Institute, Bern, Switzerland
2024.07	PSF coffee talk in MPIA, Heidelberg, Germany
2023.03	Invited seminar talk at Center for Computational Astrophysics (Flatiron), online
2023.01	Special talk in MPIA, Heidelberg, Germany

Conference talks:

2025.04	Best oral presentation in the 2nd International Conference of Deep Space Sciences, Hefei, China
2024.10	Best oral presentation in National Conference on Planetary Science, Nanjing, China
2024.07	Contributed talk in EAS, Padova, Italy
2024.06	Posters in Exoplanets V, Leiden, the Netherlands
2024.04	Contributed talk in NOVA NW2, Amsterdam, the Netherlands
2024.01	Contributed talk in Rocky Worlds III, Zurich, Switzerland
2023.04	Contributed talk in 2023 International Conference of Deep Space Sciences, Hefei, China
2023.04	Poster in Protostars and Planets VII, Kyoto, Japan
2022.10	Contributed talk in NOVA NW2, Groningen, the Netherlands
2022.07	Poster in Sagan Workshop, online
2021.06	Contributed talk in National Conference on Planetary Science, Suzhou, Jiangsu province, China.