

Shuo Huang

PERSONAL INFORMATION

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EDUCATION

2020.09-	PhD in Astronomy, Tsinghua University, Beijing, China Advisor: Prof. Chris Ormel
2022.09-	Exchange PhD at Leiden Observatory, Leiden, the Netherlands Advisor: Prof. Simon Portegies Zwart
2016.09-2020.07	BS in Applied Physics, Hohai University, Nanjing, Jiangsu province, China Advisor: Prof. Hua Zou

AWARDS

2024	National Scholarship (国家奖学金), Tsinghua University
2023	First Prize in Comprehensive Scholarship, Tsinghua University
2021	Second Prize in Comprehensive Scholarship, Tsinghua University
2020	Jiangsu Province Model Student (江苏省三好学生), Hohai University
2018	National Scholarship (国家奖学金), Hohai University

CONFERENCE PRESENTATIONS & SEMINARS

2025.04	Best oral presentation in the 2nd International Conference of Deep Space Sciences, Hefei, China
2025.03	Invited talk in Beijing Planetarium, Beijing, China
2024.11	Special seminar talk in NAOJ, Tokyo, Japan
2024.10	Invited talk in ET Science Seminar Series at Shanghai Astronomical Observatory (SHAO), Online
2024.10	Best oral presentation in National Conference on Planetary Science, Nanjing, China
2024.08	Special seminar talk in Bern institute, Bern, Switzerland
2024.07	PSF coffee talk in MPIA, Heidelberg, Germany
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
2023.03	Invited talk in "Deep week" at Center for Computational Astrophysics (Flatiron), online

- 2023.01 Special talk in MPIA, Heidelberg, Germany
- 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.
- 2020.10 Contributed talk in Earth 2.0 Transit Planet Survey Space Mission Science Meeting, online.
- 2020.08 Poster in EXO3 conference, online.

SUPERVISION EXPERIENCE

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

Co-supervised:

- a 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.

GRANTS

- 2023.09 1M-CPU hours using Dutch national e-infrastructure with the support of the SURF Cooperative, "EINF-6701"
- 2024.12 2024 Chinese Association for Science and Technology (CAST) Young Talent Lift Engineering PhD Fellowship (3,000 selected candidates nationwide)

PATENT LIST

1. Huang, Shuo. 2018. 一种基于多层梯度折射率透膜的布儒斯特角起偏器 (A Brewster Angle Polarizer Based on a Multilayer Gradient Refractive Index Film). C.N. Patent 201811425137.6, filed Nov. 27, 2018, and issued Jan. 5, 2021.
2. Huang, Shuo. 2019. 一种基于深度学习的天文光谱仪像质补偿方法及系统 (A Deep Learning-Based Method and System for Astronomical Spectrometer Image Quality Compensation). C.N. Patent 201910956023.2, filed Oct. 9, 2019, and issued Nov. 3, 2020.

PUBLICATION LIST

First Author

1. **Huang, S.**, Ormel, C., Portegies Zwart, S., et al. *A Resonant Beginning for the Solar System Terrestrial Planets*, [APJ](#), in press
2. **Huang, S.**, van der Marel, N. & Portegies Zwart, S., *On the origin of transition disk cavities: Pebble-accreting protoplanets vs Super-Jupiters*, [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*, [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](#)

Second Author

1. Mass, B., **Huang S.** & Portegies Zwart, S., *Stability of a cluster-disrupted mean-motion resonance (chain) in HR 8799 and PDS 70*, 2025, [A&A, in press](#)
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, in press](#)

Other Refereed Publications

1. Yi, T., et al. (including **Huang, S.**), *The dynamical history of the Kepler-221 planet system*, 2025, [A&A, 695, A191](#)
2. Kuang, R., et al. (including **Huang, S.**), *OGLE-2019-BLG-1470LABc: Another microlensing giant planet in a binary system?*, 2022, [MNRAS, 516, 2](#)

Please check out this ADS link for [the list of all refereed publications](#).