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	Outstanding presentation, Committee of National Conference on Planetary Science
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

2025.03	Invited talk in Beijing Planetarium, Beijing, China
2024.11	Special seminar talk in NAJO, Tokyo, Japan
2024.10	Invited talk in ET Science Seminar Series at Shanghai Astronomical Observatory (SHAO), Online
2024.10	Contributed talk 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.

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.**, van der Marel, N. & Portegies Zwart, S., *On the origin of transition disk cavities: Pebble-accreting protoplanets vs Super-Jupiters*, A&A, 691, A155
2. **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
3. **Huang, S.** & Ormel, C., *When, where, and how many planets end up in first-order resonances?*, 2023, MNRAS, 522, 1
4. **Huang, S.** & Ormel, C., *The dynamics of the TRAPPIST-1 system in the context of its formation*, 2022, MNRAS, 511, 3
5. **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

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.

Ongoing projects (submitted)

First Author

1. **Huang, S.**, Ormel, C. W., Portegies Zwart, S., et al., Dynamical history of solar terrestrial planets, submitted.

Others

1. Mass, B., et al. (including **Huang, S.**), *Stability of a cluster-disrupted mean-motion resonance chain*, submitted.