

Yangfan Shi (施杨帆)

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Education

2020/09 - 2026/07 *	Ph.D. in Astrophysics, Peking University Advisor - Gregory J. Herczeg & Feng Long	Beijing, China
2023/11 - 2024/11	Studentship, European Southern Observatory Advisor - Enrique Macías	Garching, Germany
2016/09 - 2020/07	B.Sc. in Physics, Shandong University	Jinan, Shandong, China

Research Interests

- protoplanetary disks, dust properties in disks
- (sub)mm-cm interferometry observation

Awarded Observing Programs

★ Awarded 3 ALMA programs as PI

👤 Involved as co-I in 3 ALMA programs (including one Large Program); in 1 JWST program

PI programs:

2025	ALMA Cycle 12, 27.3 hrs (open-sky), 2025.1.01508.S, Priority B, in queue - <i>Are pebbles shaping the C/O ratios of the planet-forming regions around very low-mass stars?</i>
2024	ALMA Cycle 11, 32.3 hrs, 2024.1.01378.S, Priority C, 50% completion - <i>Demographics of Grain Growth in the Orion Protostellar Disks</i>
2022	ALMA Cycle 9, 15.7 hrs (open-sky), 2022.1.01531.S, Priority C, 90% completion - <i>An Unbiased Survey of Disk Structures and Planet Formation around Very Low-mass Stars in Taurus.</i>

co-I programs:

2025	ALMA Cycle 12, 2025.1.00324.L, DMOST: Disks around the MOST common stars
2025	JWST Cycle 4, ID. #7280, Linking the outer structure with inner chemistry in disks around the most common planet hosts
2022	ALMA Cycle 9, 2022.1.00828.S, Zooming into the small disks
2022	ALMA Cycle 9, 2022.1.00646.S, Tracing the evolution of substructures: A high-resolution survey of old Upper Sco disks

*Expected.

Academic Service

- Referee for A&A
- Dual anonymous peer-review for telescope proposals (ALMA)
- 2025/04, **Organising Assistant**, *ALMA Proposal Workshop*, KIAA, Beijing, China
- 2024/07, **LOC**, *New Heights in Planet Formation*, Garching, Germany
- 2024/05, **Scientific Assistant**, ESO Observing Programmes Committee P114

Selected Awards & Honors

2023 - 2024 [ESO Studentship Programme](#), ~30000 €
2023 Peking University Third Prize Scholarship

Teaching

2022 Autumn **Teaching Assistant**, Radiation Process in Astrophysics

Presentations

Talks:

2025/08 *Exoplanets & Planet Formation Workshop 2025*, Kunming, Yunnan, China (**contributed**)
2025/02 *Pebbles in Planet Formation*, NAOJ Mitaka, Tokyo, Japan (**contributed**)
2024/07 *European Astronomical Society Annual Meeting 2024*, Padova, Italy (**contributed**)
2024/06 *ET Science Seminar Series*, Shanghai Astronomical Observatory, Remote (**invited**)

Posters:

2025/06 *Origins of Solar System Gordon Research Conference*, South Hadley, MA, US
2024/07 *New Heights in Planet Formation*, Garching, Germany
2023/04 *Protostars and Planets VII*, Kyoto, Japan

Publication List

List on [ADS](#)

As first-author:

3. **Shi, Y.** et al., in prep
Dust Substructures in Taurus Disk Population
2. **Shi, Y.**; Long, F.; Macías, E.; Herczeg, G. J. et al., submitted to ApJ
Probing Dust in the MWC 480 Disk from Millimeter to Centimeter Wavelengths
1. **Shi, Y.**; Long, F.; Herczeg, G. J.; Harsono, D. et al., 2024 ApJ, 966, 59
Small and Large Dust Cavities in Disks around Mid-M Stars in Taurus

As co-author:

3. Li, J. et al. (incl. Shi, Y.), 2025, ApJL, 990, L70
Discovery of H α Emission from a Protoplanet Candidate around the Young Star 2MASS J16120668–3010270 with MagAO-X
2. Harsono, D. et al. (incl. Shi, Y.), 2024, ApJ, 961, 28
Dual-band Observations of the Asymmetric Ring around CIDA 9A: Dead or Alive?
1. Long, F. et al. (incl. Shi, Y.), 2023, ApJ, 949, 27
A Large Double-ring Disk Around the Taurus M Dwarf J04124068+2438157