

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

*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