

# Yang Yang

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## Employment

- 2022–present **Postdoctoral Researcher**, *Purple Mountain Observatory, Chinese Academy of Sciences*, Nanjing, China
- 2021–2022 **Postdoctoral Researcher**, *Nanjing University*, Nanjing, China
- 2017–2021 **Postdoctoral Researcher**, *Shanghai Astronomical Observatory*, Shanghai, China

## Education

- 2010–2017 **Ph.D. in Astrophysics**, *School of Astronomy & Space Science*, Nanjing University  
Thesis: A Radio Study of Nearby Low-luminosity Active Galactic Nuclei with Interferometric Observations, Advisor: Zhiyuan Li

## Other Research Experience

- 2014 **Visiting Research Student**, *Queen's University*, Kingston, Canada
- 2011 **Visiting Research Student**, *National Radio Astronomy Observatory*, Socorro, NM

## Research Interests

AGN Feedback, Nearby Galaxies, Radio Jet, Neutral H I Gas, Circumgalactic Medium

## Participated Large Proposals

- 2014–Present **CHANG-ES (Continuum Halos of Nearby Galaxies – an EVLA Survey)**, PI: *Judith Irwin*, Queen's University, Kingston, Canada

## Accepted Observing Proposals

Data	Facility	Time	proposal
2023	VLA	30 hrs	Molecular gas in galaxies anchored by CIV absorbers in HE II reionization epoch <b>(PI)</b>
2023	VLA	6 hrs	Radio emission from a microquasar candidate <b>(PI)</b>
2023	VLA	6.5 hrs	Are bubbles blowing out along the galaxies disk in NGCX <b>(PI)</b>
2023	VLA	112 hrs	Extended HI Disk Around Massive Spiral Galaxies <b>(PI)</b>
2023	eMERLIN	24 hrs	Searching for the radio emission from the nucleus of M31 with e-MERLIN
2022	VLA	22 hrs	Completion of CHANG-ES S-band
2022	VLA	8 hrs	The Nuclear Bubble of the Virgo Cluster Galaxy NGC 4438
2022	VLA	6 hrs	Exploring the Radio Emission from M31*
2022	JCMT	2.1 hrs	Pilot study of the star formation activity in CHANG-ES galaxies via a high-J CO line
2021	FAST	30 hrs	Deep Mapping of Diffuse HI in M86 group <b>(PI)</b>
2020	VLA	6 hrs	Exploring a radio outflow from the quiescent supermassive black hole in M32
2016	VLBI	20 hrs	Dissecting the compact radio emission from the nucleus of M31 with VLBA
2015	VLA	28 hrs	high-resolution follow-up study of radio jets in CHANG-ES galaxies <b>(PI)</b>

## Funding as PI

- 2023 National Science Fund for Young Scholars (CNY: 300,000)
- 2019 Shanghai Sailing Program (CNY: 200,000)

## Skill

- Proficient in Linux and macOS operating systems.
- Experienced in shell scripting and system administration in Linux environment. Experienced in setting up and maintaining Linux server for team-based work environment and data security.
- Familiar with Python programming skills, including data analysis and visualization
- Experience with IDL programming language for scientific data analysis.
- Proficient in astronomy data reduction and analysis software: CASA, CARTA, and ds9.

## Publications

### Refereed Publications

- Publications at ADS:** <https://ui.adsabs.harvard.edu/public-libraries/2VuJvgLBQSOiqPquXY8b9g>
- Jiang, Yan; Li, Jiang-Tao; Gao, Yu ; Bregman, Joel N. ; Ji, Li ; Jiang, Xue-Jian; Tan, Qing-Hua; Wang, Jian-Fa; Wang, Q. Daniel; **Yang, Yang**, *CO-CHANGES - I. IRAM 30-m CO observations of molecular gas in the sombrero galaxy*. 2024, **MNRAS**, **528**, 4160J
  - Peng, Sijia; Li, Zhiyuan; Sjouwerman, Loránt O.; **Yang, Yang**; Jiang, Wu; Shen, Zhi-Qiang, *Searching for Radio Outflows from M31\* with VLBI Observations*. 2023, **ApJ**, **953**, 12P
  - Li, J.-T., Wang, Q. D., Wiegert, T., Bregman, Joel N., Beck, Rainer, Damas-Segovia, Ancor, Irwin, Judith A., Ji, Li, Stein, Yelena, Sun, Wei, **Yang, Yang**, *CHANG-ES XXIX: the sub-kpc nuclear bubble of NGC 4438*. 2022, **MNRAS**, **515**, 2483L

- 6 **Yang, Yang**, Judith Irwin, Jiangtao Li, Theresa Wiegert, Q. Daniel Wang, Wei Sun, A. Damas-Segovia, Zhiyuan Li, Zhiqiang Shen, Rene A. M. Walterbos, Carlos J. Vargas, *CHANG-ES. XXIV. First Detection of A Radio Nuclear Ring and Potential LLAGN in NGC 5792*. 2022, **ApJ**, **927**, **11P**
  - 5 Eric S. Perlman, Eileen T. Meyer, Q. Daniel Wang, Qiang Yuan, Richard Henriksen, Judith Irwin, Jiangtao Li, Theresa Wiegert, Haochuan Li, and Yang Yang, *Lightcurve Evolution of the nearest Tidal Disruption Event: A late-time, radio-only flare* . 2021, **ApJ**, **925**, **143P**
  - 4 Peng, Sijia; Li, Zhiyuan; Sjouwerman, Loránt O.; **Yang, Yang**; Xie, Fuguo; Yuan, Feng, *Resolving the Nuclear Radio Emission from M32 with the Very Large Array*. 2020, **ApJ**, **894**, **61P**
  - 3 Irwin, Judith A.; Henriksen, Richard N.; WeŻgowiec, Marek; Damas-Segovia, Ancor; Wang, Q. Daniel; Krause, Marita; Heald, George; Dettmar, Ralf-Jürgen; Li, Jiang-Tao; Wiegert, Theresa; Stein, Yelena; Braun, Timothy T.; Im, Jisung; Schmidt, Philip; Macdonald, Scott; Miskolczi, Arpad; Merritt, Alison; Mora-Partiarroyo, S. C.; Saikia, D. J.; Sotomayor, Carlos; **Yang, Yang**, *CHANG-ES - XI. Circular polarization in the cores of nearby galaxies*. 2018, **MNRAS**, **474**. **5057**
  - 2 **Yang, Yang**; Li, Zhiyuan; Sjouwerman, Loránt O.; Feng Yuan, Zhi-Qiang Shen, *Very Large Array Multiband Monitoring Observations of M31\**. 2015, **ApJ**, **845**, **140**
  - 1 **Yang, Yang**; Li, Zhiyuan; Sjouwerman, Loránt O.; Wang, Q. Daniel; Gu, Qiusheng; Kraft, Ralph P.; Yuan, Feng, *Detection of a Compact Nuclear Radio Source in the Local Group Elliptical Galaxy M32*. 2015, **ApJL**, **807**, **L19**
- in Preparation
- 1 **Yang, Yang**, CHANG-ES members, et al., *10 kpc Radio Lobe Tracing Relics of AGN Feedback in The Sombrero Galaxy*. to be submitted
  - 2 **Yang, Yang**, CHANG-ES members, et al., *Whether bubbles are blowing out along the galaxy disk in NGC 5084?*. to be determined