

Yijun Wang



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 Homepage:

<https://yijunyuxuan.github.io/YijunWang/>

PROFILE





I am a Postdoctor in the School of Astronomy and Space Science at Nanjing University. My previous works include X-ray spectral variabilities in blazars, warm absorber outflows, ambient circumnuclear medium around supermassive black hole, and radio activities of AGN from accretion disk scale to the large-scale environment. Now my interests focus on AGN feedback on the host galaxies and surrounding environments.

SKILLS



• Data reduction

 RXTE XMM-Newton
 Swift NuSTAR

• Software or code

 CIGALE EAZY
 galight QSOfit
 XSPEC SPEX

WORK EXPERIENCE



Postdoctor

Nanjing University

2021 – present

EDUCATION



Visiting PhD student in Astrophysics

SRON & Leiden University

2019 – 2020

Doctor of Science in Astrophysics

University of Science and Technology of China

2014 – 2021

Bachelor of Science in Agriculture

Huazhong Agriculture University

2010 – 2014

COMPLETED PROJECTS



- Yijun Wang**, Tao Wang, Junjie Mao, Yerong Xu, et al., 2025, A&A, (in press), “Warm absorber outflows in radio-loud active galactic nucleus 3C 59” ([arXiv link](#))
- Yijun Wang**, Tao Wang, Ke Xu, Junjie Mao, et al., 2025, ApJ, “Minor-merger-induced star formation rejuvenation in an elliptical radio-loud quasar host, 3C 59” ([ADS link](#))
- Yijun Wang**, Tao Wang, Luis C. Ho, Yuxing Zhong, Bin Luo, 2024, A&A, “The fundamental plane of black hole activity for low-luminosity radio active galactic nuclei across $0 < z < 4$ ” ([ADS link](#))
- Yijun Wang**, Tao Wang, Daizhong Liu, Mark T. Sargent, et al., 2024, A&A, “Cosmic evolution of radio-excess active galactic nuclei in quiescent and star-forming galaxies across $0 < z < 4$ ” ([ADS link](#))
- Yijun Wang**, Zhicheng He, Junjie Mao, Jelle Kaastra, et al., 2022, ApJ, “Density profile of the ambient circumnuclear medium in Seyfert 1 galaxies” ([ADS link](#))
- Yijun Wang**, Jelle Kaastra, Mehdipour Missagh, Junjie Mao, et al., 2022, A&A, “Transient obscuration event captured in NGC 3227 II. Warm absorbers and obscuration events in archival XMM-Newton and NuSTAR observations” ([ADS link](#))
- Yijun Wang**, Shifu Zhu, Yongquan Xue, Minfeng Gu, et al., 2019, ApJ, “X-ray spectral variations of synchrotron peak in BL Lacs” ([ADS link](#))
- Yijun Wang**, Yongquan Xue, Shifu Zhu, and Junhui Fan, 2018, ApJ, “Systematic investigation of X-ray spectral variability of TeV blazars during flares in the RXTE era” ([ADS link](#))
- Yijun Wang**, Jelle de Plaa, 2023, Springer, Chapter “High-Resolution Spectral Analysis” in Book “High-Resolution X-ray Spectroscopy: Instrumentation, Data Analysis, and Science”
- Fangyou Gao, Tao Wang, **Yijun Wang**, 2025, A&A, “An empirical model of the extragalactic radio background” ([ADS link](#))
- Zheng Zhou, Junjie Mao, Taotao Fang, **Yijun Wang**, et al., 2024, ApJ, “On the connection between the repeated X-ray quasiperiodic oscillation and warm absorber in the active galaxy RE J1034+396” ([ADS link](#))
- Missagh Mehdipour, G. A. Kriss, Jelle Kaastra, **Yijun Wang**, et al., 2021, A&A, “Transient obscuration event captured in NGC 3227. I. Continuum model for the broadband spectral energy distribution” ([ADS link](#))
- Other collaborative papers: [ADS link](#)