

EDUCATION

University of Science and Technology of China

M.S. in Astronomy; GPA: 3.81/4.30

Hefei, China

Sep 2021–Current

University of Science and Technology of China

B.S. in Astronomy

Hefei, China

Sep 2015–Jun 2019

- Thesis: “How Galaxy Structure Affects Star Formation”

PUBLICATIONS

1. **Hui Hong**, Huiyuan Wang, H.J. Mo, Enci Wang, Yangyao Chen, Hao Li, “*Central Surface Density versus Velocity Dispersion in Quenching of Satellite Galaxies*”, in preparation.
2. **Hui Hong**, Huiyuan Wang, H.J. Mo, Ziwen Zhang, Guangwen Chen, Wentao Luo, Tinggui Wang, Pengfei Li, Renjie Li, Yao Yao, Aoxiang Jiang, “*Dynamical Hotness, Star Formation Quenching and Growth of Supermassive Black Holes*”, 2023, ApJ, 954, 183, [[arXiv:2305.02910](https://arxiv.org/abs/2305.02910)].
3. Ziwen Zhang, Huiyuan Wang, Wentao Luo, H.J. Mo, Zhixiong Liang, Ran Li, Xiaohu Yang, Tinggui Wang, Hongxin Zhang, **Hui Hong**, Xiaoyu Wang, Enci Wang, Pengfei Li, Jingjing Shi, “*Hosts and triggers of AGNs in the Local Universe*”, 2021, A&A, 650, A155, [[arXiv:2012.10640](https://arxiv.org/abs/2012.10640)].
4. Pengfei Li, Huiyuan Wang, H.J. Mo, Enci Wang, **Hui Hong**, “*Characteristic Mass in Galaxy Quenching: Environmental versus Internal Effects*”, 2020, ApJ, 902, 75, [[arXiv:2003.09776](https://arxiv.org/abs/2003.09776)].

RESEARCH EXPERIENCE

University of Science and Technology of China

Advisors: Prof. Huiyuan Wang, Prof. Houjun Mo

Hefei, China

Jan 2020–Now

- Dynamics, structure and quenching of central and satellite galaxies
- Ionized gas property and its connection with quenching
- Quenching correlation function
- Color difference between satellite and central galaxies

University of Massachusetts Amherst

Advisor: Prof Houjun Mo

Amherst, USA

Aug 2019–Oct 2019

- Radial profiles of galaxies

University of Science and Technology of China

Advisor: Prof Huiyuan Wang

Hefei, China

Dec 2018–Jul 2019

- Star formation activities in galaxy bulges and disks
- Building model to construct star formation rate (SFR) and g-r color distributions of galaxies

TEACHING, ADVISING & SERVICE EXPERIENCE

- **Teaching Assistant** Fall 2022 & Fall 2023
Galactic Astronomy (ASTR5002P.01 at University of Science and Technology of China)
- **Co-advisor** Sep 2023-Now
Mengkui Zhou (First-year graduate student at University of Science and Technology of China)
- **Organizer** Jan 2023-Now
Galaxy and Cosmology Seminar

CONFERENCE EXPERIENCE

- Resolving Galaxy Ecosystems Across All Scales** Hong Kong
[Oral presentation](#) Dec 2023
Dynamics and Quenching of Central and Satellite Galaxies
- Galaxy Fromation: Observations and Physics of AGN Feedback** Hangzhou
[Oral presentation](#) Oct 2023
Dynamical Hotness, Star Formation Quenching and Growth of Supermassive Black Holes
- East-Asia AGN Workshop 2023** Kagoshima, Japan
[Poster](#) Sep 2023
Dynamical Hotness, Star Formation Quenching and Growth of Supermassive Black Holes
- Coevolution and AGN Feedback** Wuhu
[Oral presentation](#) Sep 2023
Dynamical Hotness, Star Formation Quenching and Growth of Supermassive Black Holes
- Workshop on Cosmology and Galaxy Formation** Shanghai
[Oral presentation](#) Jun 2023
Dynamical Hotness, Star Formation Quenching and Growth of Supermassive Black Holes

SCHOLARSHIPS AND AWARDS

- Ranked No.1 Outstanding Scholarship at USTC 2023
- Ranked No.2 Outstanding Scholarship at USTC 2022
- Ranked No.2 Outstanding Scholarship at USTC 2021
- Wang Shouguan Talent Program in Astronomy 2018-2019
- Ranked No.2 Outstanding Freshman Scholarship at USTC 2015

SKILLS

- **Language:** Chinese (native), English (fluent, TOEFL: 102)
- **Programming:** C, C++, Python, Java, Latex, HTML, Mathematica, SQL