

Curriculum Vitae

Basic Personal Information

Name: He Zhang

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Education Background

2018.09-2022.07 Nanchang University, Environmental Science and Engineering (Space Environment Science and Technology), Doctor of Engineering

2016.09-2018.07 Nanchang University,Department of Physics (Radio Physics), Master of Science

2011.09-2015.07 Harbin Normal University,Photoelectric Information Science and Engineering, Bachelor

Professional Experience:

2022.07-present Postdoctoral Researcher, Institute of Space Weather School of Atmospheric Physics, Nanjing University of Information Science and Technology

Publications:

- **Zhang, H.**, et al. "The wave normal angle characteristic of whistler-mode waves in the dayside terrestrial space based on MMS observations." *Journal of Geophysical Research: Space Physics* 130.4 (2025): e2025JA033789.
- **Zhang, H.**, et al. "Statistical Properties of Whistler-mode Waves in the Dayside Terrestrial Space: MMS Observations." *The Astrophysical Journal* 969.1 (2024): 14.
- **Zhang, H.**, et al. "Observations of whistler-mode waves and large-amplitude electrostatic waves associated with a dipolarization front in the bursty bulk flow." *The Astrophysical Journal* 933.1 (2022): 105.

- **Zhang, H.**, et al. "Modulation of whistler mode waves by ultra - low frequency wave in a macroscale magnetic hole: MMS observations." *Geophysical Research Letters* 48.22 (2021): e2021GL096056.
- **Zhang, H.**, et al. "Background parameter effects on linear–nonlinear chorus wave growth in the planetary magnetosphere." *The Astrophysical Journal* 904.2 (2020): 105.

Currently Funded Research Projects:

Research on Whistler-mode Wave Excitation and Particle Interaction in Near-Earth Space Magnetic Hole Regions, Jiangsu Funding Program for Excellent Postdoctoral Talent,PI

Awards

2025	Excellent Paper Award of the 21st Symposium on Sun-Earth Space Physics
2023	Student Excellent Paper Award of the Joint Academic Conference of Earth Sciences in China
2018	Academic scholarship for Ph.D. students
2016-2017	Academic scholarship for postgraduate students