

Academic Staff Resume

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Academic Qualification:

Ph.D. in Space Weather, Nanjing University of Information Science & Technology

Master in Space Weather, Nanjing University of Information Science & Technology

Bachelor in Atmospheric Science, Nanjing University of Information Science & Technology

Teaching Area

Research Area

Solar Energetic Particle Acceleration and Transport

Modelling of Galactic Cosmic Ray

Working Experience

Research Projects

Professional Certification and Awards

Professional Society Membership

Academic Publication

Journal Articles:

1. **S Fu**, Y Jiang, V Airapetian, J Hu, G Li*, G Zank. Effect of star rotation rates on the characteristics of energetic particle events. *The Astrophysical Journal Letters* , 2019, 878: L36.
2. **S Fu**, L Zhao*, G Zank, M Wang, Y Jiang. An ACE/CRIS-observation-based Galactic Cosmic Rays heavy nuclei spectra model II. *Science China Physics, Mechanics & Astronomy* , 2020, 63: 219511.
3. **S Fu***, Y Jiang, X Zhang. Effects of Solar Activity on Ionospheric Ion Upflow During Geomagnetic Quiet Periods: DMSP Observations. *Open Astronomy* , 2020. (in press)
4. J Hu, G Li*, **S Fu**, G Zank, X Ao. Modeling a single SEP event from multiple vantage points using the iPATH model. *The Astrophysical Journal Letters* , 2018, 854: L19.
5. Z Ding, G Li*, J Hu, **S Fu**. Modeling the 10 September 2017 solar energetic particle event using the iPATH model. *Research in Astronomy and Astrophysics* , 2020, arXiv:2005.02326.
6. K Zhao, K Chen, Y Jiang*, W Chen, L Huang, **S Fu**. Latitude dependence of low-altitude O⁺ ion upflow: statistical results from fast observations. *Journal of Geophysical Research: Space Physics* , 2017, 122, 9705-9722.
7. Y Jiang, Y Jiang*, Y Feng, B Liu, **S Fu**, et al. Regional geomagnetic modelling based on the magnetic data of CHAMP satellite and 3D Taylor polynomial. *Chinese Journal of Geophysics (in Chinese)* , 2014, 57(11): 3175-3728.
8. K Zhao, Y Jiang*, K Men, L Huang, **S Fu**. Interhemispheric comparisons of ionospheric upflow H⁺ at various geomagnetic activity levels using FAST observations. *Chinese Journal of Geophysics (in Chinese)* , 2014, 57(11): 3175-3728.

Books & Book Chapters:

Conference Papers:

1. S Fu, Y Jiang, G Li, J Hu. Forecasting and nowcasting of solar energetic particle environment using the iPATH model, AGU Fall Meeting, New Orleans, USA, 2017