

Name: Jinhua Shen



Professional:

Professor

Doctoral Supervisor

Director of Solar Physics of Xinjiang Astronomical Observatory, CAS

Education:

2009-2013 University of Chinese Academy of Science Ph.D.

2011-2012 Max Planck Institute for Solar System Research, Germany, Ph.D.

2006-2009 University of Chinese Academy of Science M.S.

Contact:

E-mail: shenjh@xao.ac.cn

Postal Address: 150 Science 1-Street, Urumqi, Xinjiang 830011, China

Research Interests:

Solar Physics, Solar Activity Eruptions, Solar Flares

Selected Publications:

1. **Shen Jinhua**; Xu Yang, Jianping Li; Yangyu Liu; Yingna Su; Haisheng, Ji, Rapid spatio-temporal evolution of vertical electric currents during an X-class flare, The Astrophysical Journal, 2025, 986, 102 (期刊论文)
2. **Jinhua Shen**; Jianping Li; Yu Huang; Dong Li; Yingna Su; Haisheng, Ji; Energy releasing process for the 2013 May 13 X1.7 limb flare: A continued study, The Astrophysical Journal, 2023, 950, 71 (期刊论文)
3. Lijie Zhang; Jianfei Tang; **Jinhua Shen**; Dejin Wu; Lin Chen; Effects of Fully Relativistic Condition on Electron Cyclotron Maser Emission; The Astrophysical Journal, 2023, 44.37 (期刊论文) 通讯作者
4. **Jinhua Shen**; Haisheng Ji; Yingna Su; The Precursor Phase of an X-class Flare: Magnetic Reconnection, Powering and Non-thermal Electrons, Research in Astronomy and Astrophysics, 2022, 22(1): 015019 (期刊论文)
5. **Jinhua Shen**; Zhi Xu; Jianping Li; Haisheng Ji; Granular-scale Magnetic Flux Emergence and its Associated Features in an Emerging Active Region, The Astrophysical Journal, 2022, 925(1):46 (期刊论文)

6. **Jinhua Shen**; Ya Wang; Tuanhui Zhou; Haisheng Ji ; Initiation Processes for the 2013 May 13 X1.7 Limb Flare, The Astrophysical Journal, 2017, 835(1): 43 (期刊论文)
7. **Jinhua Shen**; Tuanhui Zhou; Haisheng Ji; Thomas Wiegelmann; Bernd Inhester; Li Feng ; Well-observed dynamics of flaring and peripheral coronal magnetic loops during an M-class limb flare, The Astrophysical Journal, 2014, 791(2): 83 (期刊论文)
8. **Jinhua Shen**; Haisheng Ji; Thomas Wiegelmann; Bernd Inhester ; Double power-law distribution of magnetic energy in the solar corona over an active region, The Astrophysical Journal, 2013, 764(1): 86 (期刊论文)
9. **Shen, Jinhua**; Ji, Hhaisheng; Zhou, Tuanhui; and Menikov, V. “Analysis of the coronal source of the partially limb-occulted flare of July 20, 2002”, RAA, 287, 178, 2013
10. **Shen, Jinhua**; Zhou, Tuanhui., Ji, Haisheng; Wang, Na; and Wang, Haiming. “Early Abnormal Temperature structure of solar limb flare”, ApJ, 37, 40, 2008