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EDUCATION

National Astronomical Observatories, University of Chinese Academy of Sciences	Ph.D. in Astrophysics	2015
School of Material Science and Engineering, Shandong University	B.E. in Material Science and Engineering	2009

RESEARCH EXPERIENCE

Postdoctoral Research Associate Lunar and Planetary Laboratory, University of Arizona	March, 2019 – Present
Visiting Scientist Lunar and Planetary Laboratory, University of Arizona	Sept., 2018 – Dec., 2018
Postdoctoral Research Associate National Astronomical Observatories, Chinese Academy of Sciences National Space Science Center, Chinese Academy of Sciences	July, 2015 – March, 2019

PEER-REVIEWED PUBLICATIONS

1. **Jiang, F. Y.**, Cui, J., Xu, J. Y. 2017. The structure of Titan's N₂ and CH₄ coronae. *The Astronomical Journal* 154 (6), 271.
2. **Jiang, F. Y.**, Zhang, J., Yang, S. H. 2015. Interaction between an emerging flux region and a pre-existing fan-spine dome observed by IRIS and SDO. *Publications of the Astronomical Society of Japan* 67, 78.
3. **Jiang, F. Y.**, Zhang, J., Yang, S. H. 2015. Relationship between extreme ultraviolet microflares and small-scale magnetic fields in the quiet Sun. *Publications of the Astronomical Society of Japan* 67, 40.
4. Cui, J., Wu, X. S., Gu, H., **Jiang, F. Y.**, Wei, Y. 2019. Photochemical escape of atomic C and N on Mars: clues from a multi-instrument MAVEN dataset. *Astronomy & Astrophysics* 621, A23.
5. Niu, D. D., Cui, J., Gu, H., Dong, C. Y., Zhou, L. Y., Wellbrock, A., **Jiang, F. Y.**, Xu, X. J. 2019. A Test Particle Monte Carlo Investigation of the CH₄ Torus around Saturn. *The Astronomical Journal* 157 (1), 15.
6. Cui, J., Yelle, R. V., Zhao, L. L., Stone, S., **Jiang, F. Y.**, Cao, Y. T., Yao, M. J., Koskinen, T. T., Wei, Y. 2018. The impact of crustal magnetic fields on the thermal structure of the Martian upper atmosphere. *The Astrophysical Journal Letters* 853, L33.
7. Yang, S. H., Zhang, J., **Jiang, F. Y.**, Xiang, Y. Y. 2015. Oscillating light wall above a sunspot light bridge. *The Astrophysical Journal Letters* 804, L27.

SPACECRAFT EXPERIENCE

- MAVEN, Imaging Ultraviolet Spectrograph, Team Member, Sept., 2018 – Present

HONORS AND AWARDS

- Shandong University Outstanding Student Award, 2007

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RESEARCH GRANTS

- "Three-dimensional Reconstruction of Solar Eruption Activities", NSFC Grant No. 11303050, Co-Investigator, 2014 – 2017
- "Research on Magnetic Activities of Solar Coronal Holes", NSFC Grant No. 11203037, Co-Investigator, 2013 – 2016