

教学人员简历

姓名：徐晓军

职称：助理教授

学院/部门：月球与行星科学国家重点实验室

Photo

办公室：A510a-5

电话：(+853) 8897 1985

电邮地址：xjxu@must.edu.mo

邮寄地址：澳门氹仔伟龙马路

学历

博士（2006-2011）

空间物理学

中国科学院空间科学与技术研究中心

本科（2002-2006）

地球物理学

中国科学技术大学

教学领域

空间等离子体物理

行星空间物理学

研究领域

太阳风磁重联

月球等离子体环境

行星空间物理

工作经历

2015.09-至今

助理教授

澳门科技大学

2013.09-2015.08

博士后研究员

澳门科技大学

2011.09-2013.08

校聘副教授

南昌大学

学术成果

期刊文章（第一作者或通讯作者）

- 1 J. Wang, L. C. Lee, **X. Xu (Corr*)**, J. B. Cao, J. Yu, Q. Chang, Q. Xu and J. Xu, Plasma and Magnetic Field Structures Near Martian Induced Magnetosphere Boundary: I. Plasma Depletion Region and Tangential Discontinuity, **Astronomy&Astrophysics**, accepted, 2020.
- 2 Qing Chang, **Xiaojun Xu (Corr*)**, Qi Xu, Jing Wang, Jiaying Xu, Yudong Ye, and Tielong Zhang, The Demagnetization of the Venusian Ionosphere Under Nearly Flow-aligned Interplanetary Magnetic Fields, **Astrophys. J.**, accepted, 2020.
- 3 Jiaying Xu, **Xiaojun Xu (Corr*)**, Jing Wang, Yudong Ye, Qing Chang, and Qi Xu, The Relaxation of Reconnected Open Magnetic Field Lines in the Earth's Magnetosphere, **Astrophys. J.**, accepted, 2020.
- 4 Qi Xu, **Xiaojun Xu (Corr*)**, Qing Chang, Jiaying Xu, Jing Wang, Yudong Ye, An ICME impact on the Martian hydrogen corona, **Earth and Planetary Physics**, 4(1), 38-44, 2020.
- 5 Jing Wang, **Xiaojun Xu (Corr*)**, Jiang Yu, and Yudong Ye, South-north asymmetry of proton density distribution in the Martian magnetosheath, **Earth and Planetary Physics**, 4(1), 32-37, 2020.

- 6 Qing Chang, **Xiaojun Xu (Corr*)**, Qi Xu, Jun Zhong, Jiaying Xu, Jing Wang, Tielong Zhang, Multiple-point modeling the Parker spiral configuration of the solar wind magnetic field at the solar maximum of Solar Cycle 24, **Astrophys. J.**, 884, 102, 2019.
- 7 **Xiaojun Xu**, Qi Xu, Qing Chang, Jiaying Xu, Jing Wang, Yi Wang, Pingbing Zuo, and Vassilis Angelopoulos, ARTEMIS Observations of Well-structured Lunar Wake in Subsonic Plasma Flow, **Astrophys. J.**, 881, 76, 2019.
- 8 Qi Xu, **Xiaojun Xu (Corr*)**, Qing Chang, Zhaojin Rong, Jing Wang, Jiaying Xu, and Tielong Zhang, Observations of the Venus Dramatic Response to an Extremely Strong Interplanetary Coronal Mass Ejection, **Astrophys. J.** 876, 84, 2019.
- 9 Qing Chang, **Xiaojun Xu (Corr*)**, Tielong Zhang, Lihui Chai, Yong Wei, Magnetic field near Venus: comparison between 24 and previous solar cycles, **Astrophys. J.** 867:129, 2018.
- 10 **Xiaojun Xu**, Qing Chang, Qi Xu, Vassilis Angelopoulos, Yi Wang, Pingbing Zuo, The energetic particle environment of the lunar nearside: energetic ions from Earth's bow shock, **Astrophys. J.**, 863:80, 2018.
- 11 **Xiaojun Xu**, Vassilis Angelopoulos, Yi Wang, Pingbing Zuo, Hon-Cheng Wong, and Jun Cui, The Energetic Particle Environment of the Lunar Nearside: SEP Influence, **Astrophys. J.**, 849, 151-157, 2017.
- 12 **Xiaojun Xu**, Hon-Cheng Wong, Yonghui Ma, Yi Wang, Pingbing Zuo, Meng Zhou, Ye Pang, and Xiaohua Deng, Anomalously high rate refilling in the near lunar wake caused by the Earth's bow shock, **J. Geophys. Res. Space Physics**, 122, 9102-9114, 2017. (featured paper)
- 13 **Xiaojun Xu**, Hon-Cheng Wong, Yonghui Ma, Yi Wang, Pingbing Zuo, Meng Zhou and Xiaohua Deng, Observations of current sheets associated with solar wind reconnection exhausts passing through the near lunar wake, **J. Geophys. Res.**, 120, 9246–9255, 2015.
- 14 **Xiaojun Xu**, Hon-Cheng Wong, Yonghui Ma, Yi Wang, Meng Zhou, Pingbing Zuo, Fengsi Wei, Xueshang Feng and Xiaohua Deng, Evidence for newly initiated reconnection in the solar wind at 1 AU, **Astrophys. J.**, 809, 5-11, 2015.
- 15 **Xu Xiaojun**, Yi Wang, Fengsi Wei, Xueshang Feng, Xiaohua Deng, Yonghui Ma, Meng Zhou, Ye Pang & Hon-Cheng Wong. Direct evidence for kinetic effects associated with solar wind reconnection, **Scientific Reports**, vol 5, 8080, 2015.
- 16 Yu, W. Y., **Xu, X. J (corr*)**, Deng, X. H. Comparative statistical study between MCs and Non-cloud-like ICMEs during solar cycles 23 near 1 AU, **Chinese J. Geophys.** 57(3), doi:10.6038/cjg20140301, 2014.
- 17 **Xu Xiaojun**, Wei Fengsi, Feng Xueshang. Characteristics of reconnection diffusion region in the solar wind. **Chin. J. Space Sci.**, 32(6): 778-784, 2012.
- 18 **Xu, X.**, F. Wei, and X. Feng, Observations of reconnection exhausts associated with large-scale current sheets within a complex ICME at 1 AU, **J. Geophys. Res.**, 116, A05105, doi:10.1029/2010JA016159, 2011.

研究项目

1	行星际磁场重联动力学过程研究	国家自然科学基金青年基金	项目负责人	2013.01-2015.12
2	月球尾迹与太阳风中小尺度等离子体相互作用研究	国家自然科学基金地区项目	项目负责人	2016.01-2019.12

3	金星火星诱发磁层比较研究	澳门科技发展基金	项目负责人	2016.07-2019.07
4	月球高能粒子环境研究与地球弓激波高能粒子到达月球预报	澳门科技发展基金	项目负责人	2019.07-2022.07