
RESEARCH ARTICLES

PLANETARY SCIENCES

- 373 *XiaoShu Wu, Jun Cui, Jiang Yu, LiJuan Liu, and ZhenJun Zhou*
Photoelectron balance in the dayside Martian upper atmosphere
(doi: 10.26464/epp2019038)

SPACE PHYSICS

- 380 *Tian Tian, Zheng Chang, LingFeng Sun, JunShui Bai, XiaoMing Sha, and Ze Gao*
Statistical study on interplanetary drivers behind intense geomagnetic storms and substorms
(doi: 10.26464/epp2019039)
- 391 *Xiang Wang, Chen Zhou, Tong Xu, Farideh Honary, Michael Rietveld, and Vladimir Frolov*
Stimulated electromagnetic emissions spectrum observed during an X-mode heating experiment at the European Incoherent Scatter Scientific Association (doi: 10.26464/epp2019042)

ATMOSPHERIC PHYSICS

- 400 *Yang Li, QuanLiang Chen, JianPing Li, WenJun Zhang, MinHong Song, Wei Hua, HongKe Cai, and XiaoFei Wu*
The tropical Pacific cold tongue mode and its associated main ocean dynamical process in CMIP5 models (doi: 10.26464/epp2019041)
- 414 *Yang Li, Zheng Sheng, and JinRui Jing*
Feature analysis of stratospheric wind and temperature fields over the Antigua site by rocket data (doi: 10.26464/epp2019040)

SOLID EARTH

- 425 *Yue Wu, and Yuan Gao*
Gravity pattern in southeast margin of Tibetan Plateau and its implications to tectonics and large earthquakes (doi: 10.26464/epp2019044)
- 435 *YaLi Wang, Tao Xie, YanRu An, Chong Yue, JiuYang Wang, Chen Yu, Li Yao, and Jun Lu*
Characteristics of the coseismic geomagnetic disturbances recorded during the 2008 M_w 7.9 Wenchuan Earthquake and two unexplained problems (doi: 10.26464/epp2019043)
- 444 *RiSheng Chu, LuPei Zhu, and ZhiFeng Ding*
Upper-mantle velocity structures beneath the Tibetan Plateau and surrounding areas inferred from triplicated P waveforms (doi: 10.26464/epp2019045)

COMMENTS

PLANETARY SCIENCES

- 459 *Su-Fang Hu, and Yong Wei*
Chinese Academy of Sciences' recent activities in boosting Chinese planetary science research (doi: 10.26464/epp2019046)

COVER

In Wu X. S. et al. (10.26464/epp2019038), the NASA Mars Atmosphere and Volatile Evolution (MAVEN) mission provides information on the structure, composition, and dynamics of the Martian upper atmosphere and ionosphere in unprecedented details, allowing key questions such as neutral and plasma escape to be answered. See pp. 373-379.