
RESEARCH ARTICLES

PLANETARY SCIENCES

- 183 *Fa-Yu Jiang, Jun Cui, Ji-Yao Xu, and Yong Wei*
Species-dependent ion escape on Titan (doi: 10.26464/epp2019020)

SPACE PHYSICS

- 190 *Chao Wei, Lei Dai, SuPing Duan, Chi Wang, and YuXian Wang*
Multiple satellites observation evidence: High-*m* Poloidal ULF waves with time-varying polarization states (doi: 10.26464/epp2019021)
- 204 *FangBo Yu, SuiYan Fu, WeiJie Sun, XuZhi Zhou, Lun Xie, Han Liu, Duo Zhao, ShaoJie Zhao, Li Li, JingWen Zhang, Tong Wu, and Ying Xiong*
Heating of multi-species upflowing ion beams observed by Cluster on March 28, 2001 (doi: 10.26464/epp2019022)

SOLID EARTH

- 212 *WenShuang Wang, and XiaoDong Song*
Analyses of anomalous amplitudes of antipodal PKIKP waves (doi: 10.26464/epp2019023)
- 218 *ZhiGao Yang, and XiaoDong Song*
Ambient noise Love wave tomography of China (doi: 10.26464/epp2019026)

Section on Tibetan Plateau

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SOLID EARTH

- 232 *Biao Guo, JiuHui Chen, QiYuan Liu, and ShunCheng Li*
Crustal structure beneath the Qilian Orogen Zone from multiscale seismic tomography (doi: 10.26464/epp2019025)
- 243 *JianHui Tian, Yan Luo, and Li Zhao*
Regional stress field in Yunnan revealed by the focal mechanisms of moderate and small earthquakes (doi: 10.26464/epp2019024)
- 253 *Feng Long, GuiXi Yi, SiWei Wang, YuPing Qi, and Min Zhao*
Geometry and tectonic deformation of the seismogenic structure for the 8 August 2017 M_s 7.0 Jiuzhaigou earthquake sequence, northern Sichuan, China (doi: 10.26464/epp2019027)
- 268 *Xu Zhang, Zhen Fu, LiSheng Xu, ChunLai Li, and Hong Fu*
The 2018 M_s 5.9 Mojiang Earthquake: Source model and intensity based on near-field seismic recordings (doi: 10.26464/epp2019028)

COVER

In Yang ZG and Song XD (10.26464/epp2019023), maps of three-dimensional model of the crust and mantle lithosphere of China, showing horizontally polarized shear-wave (SH) speeds at different depths. Yang ZG and Song XD used ambient noise tomography for the first time to extract the Love waves between seismic stations and to construct the SH model of the Chinese Mainland. The model shows large-scale geological features, including the major basins, the Tibetan Plateau, and the north-south gravity lineament. But it also shows substantial differences with vertically-polarized shear-wave (SV) models, suggesting strong subsurface radial anisotropy. See pages 218-231.