
RESEARCH ARTICLES

PLANETARY SCIENCES

- 89 *DaLi Kong, and KeKe Zhang*
Lower-order zonal gravitational coefficients caused by zonal circulations inside gaseous planets: Convective flows and numerical comparison between modeling approaches
(doi: 10.26464/epp2020014)
- 95 *YuMing Wang, XianZhe Jia, ChuanBing Wang, Shui Wang, and Vratislav Krupar*
Locating the source field lines of Jovian decametric radio emissions (doi: 10.26464/epp2020015)
- 105 *ChunYu Ding, YuZhen Cai, ZhiYong Xiao, and Yan Su*
A rocky hill on the continuous ejecta of Ziwei crater revealed by the Chang'e-3 mission
(doi: 10.26464/epp2020016)
- 111 *DongDong Ni*
Signature of helium rain and dilute cores in Jupiter's interior from empirical equations of state
(doi: 10.26464/epp2020017)

SPACE PHYSICS

- 120 *RuoXian Zhou, XuDong Gu, KeXin Yang, GuangSheng Li, BinBin Ni, Juan Yi, Long Chen, FuTai Zhao, ZhengYu Zhao, Qi Wang, and LiQing Zhou*
A detailed investigation of low latitude tweek atmospherics observed by the WHU ELF/VLF receiver: I. Automatic detection and analysis method (doi: 10.26464/epp2020018)
- 131 *Zheng Huang, ZhiGang Yuan, and XiongDong Yu*
Evolutions of equatorial ring current ions during a magnetic storm (doi: 10.26464/epp2020019)
- 138 *Konrad Sauer, Klaus Baumgärtel, and Richard Sydora*
Gap formation around $\Omega_e/2$ and generation of low-band whistler waves by Landau-resonant electrons in the magnetosphere: Predictions from dispersion theory (doi: 10.26464/epp2020020)

SOLID EARTH

- 151 *Qi Zhang, YongHong Zhao, Hang Wang, Muhammad Irfan Ehsan, JiaYing Yang, Gang Tian, AnDong Xu, Ru Liu, and YanJun Xiao*
Evolution of the deformation field and earthquake fracture precursors of strike-slip faults
(doi: 10.26464/epp2020021)
- 163 *Feng Long, ZhiWei Zhang, YuPing Qi, MingJian Liang, Xiang Ruan, WeiWei Wu, GuoMao Jiang, and LongQuan Zhou*
Three dimensional velocity structure and accurate earthquake location in Changning–Gongxian area of southeast Sichuan (doi: 10.26464/epp2020022)

COVER

In Wang YM et al. (10.26464/epp2020015), source regions of the Jovian decametric (DAM) radio emission on 2014 March 14, inferred from the radio dynamic spectrum with the aid of the 'JRM09' model of Jupiter's magnetic field. The evolution of the source of the DAM emission is revealed by combining the radio observations from the Wind, STEREO-A and B spacecraft, showing a tight relationship with Io as expected. See pages 95–104.