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RESEARCH INTERESTS

Geographic Information System (GIS), Planetary Geology, Computer Science

EDUCATION BACKGROUND

2000.7-2004.7 B.S., China University of Mining and Technology;

2004.7-2007.7 M.S., Southwest Petroleum University;

2010.7-2013.7 PhD, Ocean University of China.

EMPLOYMENT HISTORY

2007.7-2013.7 College of Resources and Environment, Southwest Petroleum University

2013.7-Now School of Space Science and Physics, Shandong University

Honors/Awards

1. The second prize of young teachers' teaching competition of Shandong University in 2018-2019 academic year;
2. Excellent undergraduate tutor of Shandong University (Weihai) in 2016-2017 academic year;
3. Second prize of the third (2019) National Undergraduate astronomy innovation work competition, instructor;
4. The second (2019) Shandong Province Science Popularization creation competition first prize of science popularization product creative design category, two;
5. The third prize of the sixth (2019) Shandong University Students Science and technology innovation competition, instructor;

(CURRENTLY SUPPORTED) RESEARCH PROJECTS

1. Comparative study on the filling and contraction evolution of the lunar basin based on the displacement-length relationship of the ridges. 2019-2022. In research. Chair.
2. Research on displacement-length contraction relationship and contraction stress of ridge in lunar basin. 2016-2017. In research. Chair.
3. Research on data mining and analysis technology of spacecraft orbital charged particle environment monitoring. In research. Chair.
4. Compilation and research of lunar digital geological map. Project 3: Compilation and research of lunar rock type distribution map. In research.

SELECTED PUBLICATIONS:

15. Li Chenfan, Yao Peiwen, Liu Xiang, Chen Bingyu, Zou Hongbo, Wang Biao, **Li Bo***, Zhang Jiang, Ling Zongcheng, Chen Shengbo. Design and implementation of Planetary Data System for China's deep space exploration mission. *Journal of Remote Sensing*, 2020. (In Chinese, Accepted)

14. Wang Yue, Wang Biao, Wang Xun, Pan Chenan, Yao Peiwen, Li Chenfan, **Li Bo***. Study on landing area selection and geological background of China 2020 Mars exploration mission. *Journal Of Deep Space Exploration*, 2020. (In Chinese, Accepted)

13. Yao Peiwen, Li Chenfan, Wang Biao, **Li Bo***, Zhang Jiang, Ling Zongcheng, Chen Shengbo. Evaluating the dust storm probability in Isidis-Elysium Planitia, a tentative landing area of China's first Mars mission (Tianwen-1), *Earth and Space Science*, 2020. 07.

12. **Li Bo***; Zhang Jiang; Yue Zongyu; Yao Peiwen; Li Chenfan; Chen Shengbo*; Qiao Le; Fu Xiaohui; Ling Zongcheng; Chen Jian; Liu Shouxin; Deriving terrain factors from high-resolution lunar images: A case study of the Mons Rümker Region, *Geomorphology*, 2020, 6, 107114..

11. **Li Bo***; Yue Zongyu; Zhang Jiang; Fu Xiaohui; Ling Zongcheng; Chen Shengbo*; Chen Jian; Yao Peiwen; High-Resolution Terrain Analysis for Lander Safety Landing and Rover Path Planning Based on Lunar Reconnaissance Orbiter Narrow Angle Camera Images: A Case Study of China's Chang'e-4 Probe, *Earth and space science*, 2019, 6(3): 398-410

10. **Bo Li***, Zongcheng Ling, Jiang Zhang, Jian Chen, Yuheng Ni, Chunli Liu* . (2018). Displacement-length ratios and contractional strains of lunar wrinkle ridges in Mare Serenitatis and Mare Tranquillitatis. *Journal of Structural Geology*, 109, 27-37.

9. **Li***, **B.**, Ling, Z., Zhang, J., Chen, J., Liu, C., & Bi, X. (2018). Geological mapping of lunar highland crater Lalande: Topographic configuration, morphology and cratering process. *Planetary & Space Science*, 151, 85-96.

8. **Li***, **B.**, Zhang, J., Chen, J., & Ling, Z. (2017). Rock size-frequency distributions analysis at lunar landing sites based on remote sensing and in-situ imagery. *Planetary & Space Science*, 146, 30-39.

7. **Li, B.**, Wang, X., Zhang, J., Ling, Z., Chen, J., & Wu, Z., et al. (2016). The relative and absolute age determination of rilles in southwest aristarchus region. *Planetary & Space Science*, 124, 84-93.

6. **Li, B.**, Wang, X. Q., Zhang, J., Chen, J., & Ling, Z. (2016). Lunar textural analysis based on wac-derived kilometer-scale roughness and entropy maps. *Planetary & Space Science*, 125, 62-71.

5. **Li, B.**, Ling, Z.C., Zhang, J., Chen, J., Sun, L.Z., & Zhao, H.W. (2016). Geochronology, petrogenesis and geological significance of the lunar basalt around CE-3 landing site. *Acta Petrologica Sinica*, 32(1):19-28.

4. **Bo Li**, Zongcheng Ling*, Jiang Zhang, Jian Chen, Zhongchen Wu, Yuheng Ni, Haowei Zhao. Texture descriptions of lunar surface derived from LOLA data: Kilometer-scale roughness and entropy maps. *Planetary and space science*, 2015, 11(117): 303-311.

3. **Bo Li**, ZongCheng Ling*, Jiang Zhang, ZhongChen Wu. Automatic Detection and Boundary Extraction of Lunar Craters Based on LOLA DEM Data. *Earth Moon and planets*, 2015, 115:59-69.

2. **LIBo***, LINGZongcheng, ZHANGJiang, WUZhongchen, NIYuheng, CHENJian.
Theclassification andfilling processofunderlying basalticunitsin
Chang'E-3'slandingarea. EarthScienceFrontiers, 2014, 21(6): 155-164.

1.**Li, B.**, Chen, G., Tian, F., & Shao, B. (2014). Gpu accelerated marine data
visualization method. Journal of Ocean University of China, 13(6), 964-970.