Academic Staff Resume

Name: Meng-Hua Zhu
Title: Assistant Professor

Office： C604
Tel.: 8897-2024
E-mail: mhzhu@must.edu.mo

Photo

Academic Qualification:

Macau Universityf of Science and Technology, PhD., 2010

Teaching Area

Numerical Methods

Research Area

Planetary Spectroscopy

Impact cratering

Working Experience

2012- now, Assistant Professor, Macau University of Science and Technology

Academic Publication

Journal Articles: (from 2015-)

1. Rolf. T., M.-H. Zhu et al. (2016), The role of impact bombardment history in lunar evolution, Icarus (accepted).

2. Zhu M. -H (2016), On estimating the background of the remote sensing gamma ray spectroscopic data, Nuclear Instruments and Methods in Physics Research A, 832, 259-263.

3. Wünnemann K., M. -H. Zhu, and D. Stöffler (2016),Crater formation, shock metamorphism, and ejecta distribution in laboratory experiments and modeling, Meteoritics and Planetary Science, doi:10.1111/maps.12710.

4. Zhang F. and M. –H. Zhu, and Y. L. Zou (2016), Late stage Imbrium volcanism on the Moon: Evidence for two source regions and implications for the thermal history of Mare Imbrium, Earth and Planetary Science Letters, 445, 13-27.

5. Xie M. G. and M. –H. Zhu (2016), Estimates of primary ejecta and local material for the Orientale basin: Implications for the formation and ballistic sedimentation of multi-ring basins, Earth and Planetary Science Letters, 440, 71-80.

6. Dong W., X. P. Zhang, M. –H. Zhu, A. Xu, and Z. Tang (2016), Global Mg/Si and Al/Si distribution on lunar surface derived from Chang'E-2 X-ray spectrometer, Research in Astronomy and Astrophysics, 16, 004, doi:10.1088/1647-4527/16/1/004.

7. Zhu M. –H., K. Wünnemann, R. Potter (2015), Numerical modeling of the ejecta distribution and formation of the Orientale basin on the Moon, Journal of Geophysical Research: Planets, 120, 2118-2134, doi:10.1002/2015JE004827.

8. Fa W., M. –H. Zhu, T. T. Liu, J. Plescia (2015), Regolith stratigraphy at the Chang'E-3 landing site as seen by Lunar Penetrating Radar, Geophysical Research Letters, 42, 10,179-10,187, doi:10.1002/2015GL066537.

9. Jin W. D., H. Zhang, Y Yuan, Y. Z. Yang, Y. G. Shkuratov, P. G. Lucey, V. G. Kaydash, M. –H. Zhu, B. Xue, K. C. Di, B. Xu, W. H. Wan, L. Xiao, and Z. W. Wang (2015), In situ optical measurements of Chang'E-3 landing site in Mare Imbrium: 2. Photometric properties of the regolith, Geophysical Research Letters, 42, 8312–8319, doi:10.1002/2015GL065789.

10. Zhang H., Y. Z. Yang, Y. Yuan, W. D. Jin, P. G. Lucey, M. –H. Zhu, V. Kaydash, Y. Shkuratov, K. C. Di, W. H. Wan, B. Xu, L. Xiao, Z. W. Wang, B. Xue (2015), In-site optical measurements of Chang'E-3 landing site in Mare Imbrium: 1. Mineral abundances inferred from spectral reflectance, Geophysical Research Letters, 42, 6945–6950, doi:10.1002/2015GL065273.

11. Zhu M. –H, J. Chang, M. G. Xie, J. Fritz, V. Fernandes, W. H. Ip, T. Ma, A. A. Xu (2015), The unique source of re-surfaced deposits in Mare Orientale: Radioactive elemental evidences derived from Chang'E-2 gamma-ray spectrometer, Earth and Planetary Science Letters, 418, 172-180, doi:10.1016/j.epsl.2014.11.009.