

## Academic Staff Resume

Name: Zhang Feng

Title: PostDoctor Researcher

Space Science Institute



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### Academic Qualification:

Ph.D. in National Astronomical Observatories, Chinese Academy of Sciences

Master in National Astronomical Observatories, Chinese Academy of Sciences

Bachelor in Jilin University

### Teaching Area

### Research Area

Planetary science, Comparative Planetology

Geology, Volcanism, Thermal evolution

### Working Experience

Jan. 2015 to present, PostDoc Researcher, SSI, MUST

### Academic Publication

Journal Articles:

1. F. Zhang, M.-H. Zhu, 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.
2. F. Zhang, Y.L. Zou, Y.C. Zheng, X.H. Fu, Y.C. Zhu, 2014. Lunar mare basalts in the Aristarchus region: Implications for the stratigraphic sequence from Clementine UVVIS data. *Icarus*, 227, 132-151.
3. Feng Zhang, Yong-Liao Zou, Yong-Chun Zheng, Xiao-Hui Fu, Yong-Chao Zhu, 2014. Mapping and Compositional Analysis of Mare Basalts in the Aristarchus Region of the Moon Using Clementine Data. *Research in Astronomy and Astrophysics*, 14(1), 113-128.
4. Zhang Feng, Zou Yongliao, Zheng Yongchun, Fu Xiaohui, 2012. A new automated approach to detecting and extracting lunar craters and its application. *Earth Science Frontiers*, 19 (6): 118-127.
5. Y.C. Zheng, K.T. Tsang, K.L. Chan, Y.L. Zou, F. Zhang, Z.Y. Ouyang, 2012. First microwave map of the Moon with Chang'E-1 data: The role of local time in global imaging. *Icarus* 219, 194-210.

6. Feng Zhang, Yongchao Zhu, 2014. How to Capture-and-return Near-Earth Asteroid-NASA Asteroid Redirect Plan. *Amateur Astronomer* 2, 42-47.

7. ZHENG Yongchun, ZHANG Feng, FU Xiaohui, ZOU Yongliao, OUYANG Ziyuan, 2011. Water on the Moon: Exploration History and New Evidence. *ACTA GEOLOGICA* 85(7), 1069-1078.

8. Ban Chao, Zheng Yongchun, Zhang Feng, Zhu Yongchao, Zou Yongliao, 2014. Element abundances in Oceanus Procellarum: Data analysis of Chang'E-2 X-ray spectrometry. *Earth Science Frontiers*, 21 (6), 062-073.

9. Xiaohui Fu, Feng Zhang, 2013. The forerunner of Lunar and Planetary Science-Eugene Merle Shoemaker. *Amateur Astronomer* 11, 82-83.

Books & Book Chapters:

Conference Papers:

1. F. Zhang, Y.L. Zou, Y.C. Zheng, X.H. Fu, 2012. Mapping Homogeneous Mare Basalt Units in The Aristarchus Quadrangle Using Clementine Spectral Parameters. 43rd Lunar and Planetary Science Conference, Abstract 1133.

2. F. Zhang, Y.L. Zou, Y.C. Zheng, X.H. Fu, Y.C. Zhu, 2013. Automated Detection and Extraction of Lunar Impact Craters from Digital Topography Data. 44th Lunar and Planetary Science Conference, Abstract 1446.

3. F. Zhang, Y.L. Zou, Y.C. Zheng, X.H. Fu, Y.C. Zhu, 2014. Spectroscopic Investigations of Mare Basalts within Imbrium Basin Using M3 Data. 45th Lunar and Planetary Science Conference, Abstract 1586.

### Research Projects

1. 2015 to present, the Science and Technology Development Fund of Macau (075/2014/A2 and 039/2013/A2).

2. 2010-2014, High Technology Research and Development Program of China (863 program), Application and Research to the Scientific Data of Lunar Orbiter Project, "Comprehensive study on lunar digitally geological mapping and model for evolution of the Moon" (No. 2009AA122201).

3. 2007-2008, Participation in "Innovative Experimentation Plan for University Students", national-level program: "the study on Jilin Provincial Agricultural Environment Integrated Information System (2008A62036)"

### Professional Certification and Awards

### Professional Society Membership