教學人員簡介

姓名：丁忞
職稱：助理教授
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學歷

2009 – 2015 麻省理工學院/伍茨霍爾海洋研究所聯合項目(博士)
2005 – 2009 中國科學技術大學(學士)

教學領域

地球動力學
地球物理
有限元數值模擬
數理統計

研究領域

基於地球物理（重力、地形和測地學）數據和數值模擬，研究長期地質演化（岩石圈和俯衝帶）和短期災難性事件（地震和隕石撞擊）之間的關係。

工作經歷

2019至今：澳門科學技術大學（助理教授）

2017 – 2019: 北京大學（博士後）

2016 – 2017: 中科院南海海洋研究所（訪問學者）

2015 – 2016: 麻省理工學院（博士後）

研究項目

國家自然科學基金青年基金41806067, 俯衝帶類型對海山俯衝動力學的影響，2019 – 2020

中國科學院邊緣海與大洋地質重點實驗室開放基金OMG18-02,
基於地球物理學資料的沙茨基海隆成因研究，2018 – 2020

Student Research Funds, WHOI Coastal Ocean Institute, for field research in Chile, 2011

專業資格認證及獎項

北京大學博新博士後, 2017

Kaufman Teaching Certificate Program (MIT), 2016

Deep Ocean Exploration Institute (DOEI) Graduate Student Fellowship, WHOI, 2012

學術機構及社會任職

學術期刊（EPSL, SRL等）審稿人

American Geophysical Union, Member

Community Building Committee Co-chair, MIT Postdoctoral Association, 2016

Secretary, Upper Cape Toastmasters club, 2013

學術成果

期刊文章：

Ding, M., Soderblom, J. M., Bierson, C. J., Nimmo, F., Milbury, C., & Zuber, M. T. (2018). Constraints on lunar crustal porosity from the gravitational signature of impact craters. J. Geophys. Res. Planets, 123. https://doi.org/10.1029/2018JE005654

Zhang, T., Chen, Y., Ding, M., Shen, Z., Yang, Y., & Guan, Q. (2018). Air-temperature control on diurnal variations in microseismicity at Laohugou Glacier No. 12, Qilian Mountains. Annals of Glaciology, 1–12. https://doi.org/10.1017/aog.2018.34

Ding, M., & Lin, J. (2016). Deformation and faulting of subduction overriding plate caused by a subducted seamount. Geophys. Res. Lett., 2016GL069785. https://doi.org/10.1002/2016GL069785

Ding, M., & Lin, J. (2014). Post-seismic viscoelastic deformation and stress transfer after the 1960 M9.5 Valdivia, Chile earthquake: effects on the 2010 M8.8 Maule, Chile earthquake. Geophys. J. Int., ggu048. https://doi.org/10.1093/gji/ggu048

專著章節：

Ding, M., & Zhang, N. (2018). Early geologic history of the Moon. In Encyclopedia of Lunar Science (pp. 1–8). Springer, Cham. https://doi.org/10.1007/978-3-319-05546-6_8-1

《中國大百科全書》第三版地球物理條目撰稿人 (2018)

會議論文：

Ding, M., Lunar porosity variations based on crater gravity signatures, Annual Meeting of Chinese Geoscience Union, Beijing, China, October 2018

Ding, M., J. M. Soderblom, M. T. Zuber, C. J. Bierson, F. Nimmo, and C. Milbury, Target porosity controls crater residual Bouguer anomaly in the lunar highlands, 47th LPSC conference, Woodlands, Texas, US, March 2016 (microblogger)

Ding, M., J. Lin, and M. T. Zuber, Variations in crustal structure, lithospheric flexural strength, and isostatic compensation mechanisms of Mars, P51E-3991, San Francisco, CA, US, December 2014

Ding, M., and J. Lin, Elastoplastic deformation in a wedge-shaped plate caused by a subducting seamount, COMSOL Conference, Boston, Massachusetts, US, Oct. 2012