肖 晓

地球物理学博士研究生

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教育经历

2017 – 现在　地球物理学 **博士研究生**
中国科学技术大学, 合肥, 中国

2013 – 2017　地球物理学 **本科**
武汉大学, 武汉, 中国

研究兴趣

- 背景噪声源分析
- 地震成像
- 地震干涉

学术活动

2019　中国科大地球和空间科学学院固体地球物理学生研讨会组织者

2017　中国地震学参考模型研讨会会议秘书 China Seismological Reference Model

2017 – 现在　American Geophysical Union (AGU) 会员

2017 – 现在　China Seismological Reference Model 研究助理和数据管理员

2016 – 现在　GMT China Community 贡献者

奖项和荣誉

2017　武汉大学优秀毕业生

2017　武汉大学优秀本科毕业论文

已发表论文

3. Cheng, S. H., **Xiao, X.**, Wu, J. P., Wang, W. L., Sun, L., Wang, X. X. & Wen, L. X.(2021). Crustal Thickness and Vp/Vs Variations Beneath the Continental China Revealed by Receiver Function Analysis. *Geophysical Journal International*, *228*(3), 1731-1749. doi:10.1093/gji/ggab022 (2018 年 JCR 二区)

2. **Xiao, X.**, Cheng, S. H., Wu, J. P., Wang, W. L., Sun, L., Wang, X. X. & Wen, L. X.(2021). Shallow seismic structure beneath China revealed by P wave polarization, Rayleigh wave ellipticity and receiver function. *Geophysical Journal International*, *225*(2), 998-1019. doi:10.1093/gji/ggab433 (2018 年 JCR 二区)

1. Chen, Z. Luo, J., **Xiao, X.**, & Sun, F.(2017). Assessment of COSMIC radio occultation water vapor profile. *Journal of National University of Defense Technology*, *39*(3), 201–206.

提交/在审论文

3. Yao, J. Y., Wu, S. C., Li, T. J., Bai, Y. M., **Xiao, X.**, Hubbard, J., Wang, Y., He, Y. M., Thant, M., & Tong, P. (2022). Imaging the upper 10 km crustal shear-wave velocity structure of central Myanmar via a joint inversion of body-wave polarizations and receiver functions *Seismological Research Letter* [*Accepted*]

2. **Xiao, X.**, Sun, L., Wang, X. X. & Wen, L. X.(2022). Simultaneous inversion for surface wave phase velocity and earthquake centroid parameters: methodology and application. *Journal of Geophysical Research: Solid Earth* [*Under Review*]

1. Mao, S., Cheng, S. H., **Xiao, X.**, Wu, J. P., Wang, W. L., Sun, L., Wang, X. X., & Wen, L. X.(2022). A three-dimensional adaptive receiver function migration method: (II) application to southeastern Tibetan plateau. *Journal of Geophysical Research: Solid Earth* [*Submitted*]

在写论文

1. **Xiao, X.**, Cheng, S. H., Wu, J. P., Wang, W. L., Sun, L., Wang, X. X. & Wen, L. X.(2023). Seismic structure of the crust and uppermost mantle beneath China from various seismic constraints.

会议摘要

7. Xu Y., Sun L., Hao J., Lu Z., **Xiao, X.**& Wen, L. (2019). Source properties of 17 June 2019 Changning earthquake (Mw 6.2), China and its aftershocks. Abstract S11G-0437 presented at 2019 AGU Fall Meeting, San Francisco, CA, USA.

6. Zhu J., Lu Z., Xu Y., **Xiao, X.**, Wang X. & Wen, L. (2019). Temperature-related Martian seismic events observed by InSight. Abstract DI51B-0025 presented at 2019 AGU Fall Meeting, San Francisco, CA, USA.

5. Mao S., Cheng S., **Xiao, X.**, Wu J. & Wen, L. (2019). A three-dimensional receiver function migration method imaging the crustal structure in Sichuan-Yunnan Region, Southwest China. Abstract S21D-0534 presented at 2019 AGU Fall Meeting, San Francisco, CA, USA.

4. Lu Z., **Xiao, X.**, Cheng S., Wang X., Zhu J. & Wen, L. (2019). Shallow Martian Seismic Velocity Structure Inferred from InSight's Seismic Signals Produced by Air Pressure Variations. Abstract DI51A-0015 presented at 2019 AGU Fall Meeting, San Francisco, CA, USA.

3. **Xiao, X.**, Cheng S.& Wen, L. (2019). A Preliminary Crustal Shear Wave Velocity Model for the continental China. Abstract S11D-0376 presented at 2019 AGU Fall Meeting, San Francisco, CA, USA.

2. **Xiao, X.**, Cheng S.& Wen, L. (2018). Shallow seismic structure beneath China revealed by body-wave polarization and Rayleigh-wave ellipticity. Abstract S23C-0530 presented at 2018 AGU Fall Meeting, Washington, DC, USA.

1. **Xiao, X.**, & Wen, L. (2017). 3D Crust and Uppermost Mantle Structure beneath Tian Shan Region from ambient noise and earthquake surface waves. Abstract S51D-062 presented at 2017 AGU Fall Meeting, New Orleans, LA, USA.

最近报告

1. **Xiao, X.** Shallow shear wave structure beneath China revealed by rayleigh wave ellipticity and receiver function. 地球和空间科学学院，中国科学技术大学, 合肥, 中国. 2018 年 12 月 25 日. **[学生讨论会]**

专业知识和技能

语言	中文, 英文.
编程技能	C, Python, Fortran, Matlab, Shell, LaTeX.
地震学软件	SAC, GMT, SOD, ObsPy, TauP, CPS330.
地震学模拟	Reflectivity Method, Modal summation, Generalized Ray Theory.