

Shang Ma
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Educations

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|---|--------------------------------|
| University of Science and Technology of China Ph.D. Candidate in Geophysics Advisor: Zefeng, Li | Hefei, China 2021 - Present |
| University of Science and Technology of China B.S. in Geophysic | Hefei, China 2017 - 2021 |

Publications

- 3) Deciphering Earth's deep mantle hemispheric geochemical dichotomy with machine learning, *submitted*.
- 2) Xin Cui, Yanlan Hu, **Shang Ma**, Zefeng Li, Guoming Liu, Hui Huang (2024). Bridging Supervised and Unsupervised Learning to Build Volcano Seismicity Classifiers at Kilauea Volcano, Hawaii, *Seismol. Res. Lett.*
- 1) **Shang Ma**, Zefeng Li, Wei Wang (2022). Machine learning of source spectra for large earthquakes, *Geophys. J. Int.*

Research Interests

Application of artificial intelligence (AI) to seismic source processes and deep earth structures

Teaching Experience

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|---|---|
| University of Science and Technology of China <i>Teaching Assistant/Optics and atomic physic</i> | Hefei, China Mar., 2020 - Jul., 2020 |
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Presentations

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| Deciphering Earth's deep mantle hemispheric geochemical dichotomy with machine learning | Xiamen, China |
| <i>Youth Scientist Forum Of Earth Science</i> | May., 2024 |
| Identifying PKIKP and PKPpre with machine learning | Zhuhai, China |
| <i>Annual Meeting of Chinese Geoscience Union</i> | Oct., 2023 |
| Machine learning of source spectra for large earthquakes | Qingdao, China |
| <i>Seminar on AI and microseismicity monitoring</i> | May., 2021 |

Honors & Awards

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| Outstanding Student Presentation Award, Youth Scientist Forum Of Earth Science | 2024 |
| 2 nd Prize Poster Presentation Award, IPACES | 2023 |
| GuangHua Scholarship, University of Science and Technology of China | 2020 |
| Excellent Student Scholarship, University of Science and Technology of China | 2019 |