

ORCID: [0000-0001-8450-8829](#)
Email: ylin@cdut.edu.cn
Website: en.linyiseismology.top

No. 1, East Third Road, Erxianqiao,
Chenghua District, Chengdu, China
College of Geophysics
Chengdu University of Technology

Professional Appointments

2024-present **Visiting Scientist**, Università degli Studi di Padova, Padova, Italy
2022-present **Associate Research Professor**, Chengdu University of Technology, Chengdu, China
2020-2022 **Postdoctoral Researcher**, Peking University, Beijing, China.
Advisor: Prof. [Li ZHAO](#)

Education

2014-2020 **PhD in Geophysics**, Institute of Geology and Geophysics, Chinese Academy of Sciences, Beijing, China.
Supervisor: Prof. [Jinhai ZHANG](#)
2010-2014 **BE in Geophysics**, Jilin University, Changchun, China.

Research Interests

- Observational seismology
- Signal Processing in Seismology
- Imaging of seismic Anisotropy
- Structure, evolution, and deformation of continental lithosphere

Professional Societies & Activities

- Member of the [European Geosciences Union](#)
- Life member of the [Chinese Geophysical Society](#)
- Member of the [American Geophysical Union](#)
- Member of the [Society of Exploration Geophysicists](#)

Grants and Fellowships

2025-2029 **Deep mechanism of differential activities between strong earthquakes and volcanoes beneath the Shanxi Rift.**
National Natural Science Foundation of China. No. 42430303. Chen, Q.F. (PI); Liu, Q.; [Lin, Y](#); An, Y.
Funding: 2,290,000 RMB.
2025-2027 **Crust-mantle deformation beneath the northeastern margin of the Tibet Plateau revealed by full-wave anisotropy tomography.**
National Natural Science Foundation of China. No. 42404065. [Lin, Y](#) (PI). Funding: 300,000 RMB.
2024-2025 **Visiting Scholar Fellowship.**
State Scholarship Fund. [Lin, Y](#) (PI). Funding: 16,200 EUR.
2022-2025 **Scientific Research Start-Up Fund of Chengdu University of Technology.**
Chengdu University of Technology. [Lin, Y](#) (PI). Funding: 75,000 RMB.
2020-2022 **Automatic measurement of SKS splitting intensity and its application in anisotropy tomography in Sichuan-Yunnan region.**
China Postdoctoral Science Foundation. No. 2020M680205. [Lin, Y](#) (PI). Funding: 80,000 RMB.

Honors and Awards

2024 **Outstanding Demonstration Class Participant in the 31st Sichuan Province New Faculty Professional Skills Training Program.**
2022 **Recipient of the Everest Talent Program at Chengdu University of Technology.**

2015 **Outstanding Student of University of Chinese Academy of Sciences.**

2012 **Outstanding Student of Jilin University.**

First-class Scholarship of Jilin University.

Publications

*corresponding author, #co-first author.

Peer-reviewed Papers

7. [Lin, Y.](#) & Zhao, L.(2024). Upper-mantle anisotropy in the southeastern margin of Tibetan Plateau revealed by fullwave SKS splitting intensity tomography. *Journal of Geophysical Research: Solid Earth*, 129(3), e2023JB027629. doi:[10.1029/2023JB027629](#)
6. [Lin, Y.](#) & Zhang, J. (2022). A multispectral denoising framework for seismic random noise attenuation. *IEEE Transactions on Geoscience and Remote Sensing*, 60, 1–17. doi:[10.1109/TGRS.2020.3047633](#)
5. Li, C., [Lin, Y.](#), Lv, W., & Zhang, J. (2021). Eliminating above-surface diffractions from GPR data using iterative Stolt migration. *Geophysics*, 86(1), H1–H11. doi:[10.1190/geo2019-0796.1](#)
4. Zhang, J., Zhou, B., [Lin, Y.](#), Zhu, M., Song, H., Dong, Z., Gao, Y., Di, K., Yang, W., Lin, H., Yang, J., Liu, E., Wang, L., [Lin, Y.](#), Li, C., Yue, Z., Yao, Z., & Ouyang, Z. (2021). Lunar regolith and substructure at Chang'E-4 landing site in South Pole-Aitken basin. *Nature Astronomy*, 5, 25–30. doi:[10.1038/s41550-020-1197-x](#)
3. [Lin, Y.](#) & Zhang, J. (2020). Progressive denoising of seismic data via robust noise estimation in dual domains. *Geophysics*, 85(1), V99–V118. doi:[10.1190/geo2019-0010.1](#)
2. [Lin, Y.](#), Hao, J., Miao, Z., Zhang, J., & Yang, W. (2020). NanoSIMS image enhancement by reducing random noise using low-rank method. *Surface and Interface Analysis*, 52, 240–248. doi:[10.1002/sia.6736](#)
1. Sun, W., Fu, L., Wei, W., [Lin, Y.](#) & Tang, Q. (2018). The crust-mantle transition structures beneath eastern China. *Chinese Journal of Geophysics*, 61(3), 845–855. doi:[10.6038/cjg2018L0551](#) [in Chinese]

Conference Abstracts

10. [Lin, Y.](#), Faccenda, M., Zhao, L.(2025). Full-wave anisotropy tomography for the upper mantle of Alaska. In EGU Annual Meeting Abstracts, Vienna, Austria.
9. Suwen, J., [Lin, Y.](#), Zhao, L., Chen, Q.F. (2023). Full-wave anisotropy imaging of the upper mantle in Northeast China. In CGU Annual Meeting Abstracts, Zhuhai, China.
8. Suwen, J., [Lin, Y.](#), Zhao, L., Chen, Q.F. (2023). Tomography of upper mantle anisotropy in Northeast China based on SKS splitting intensity. In 5th Young Scientist Forum of Planetary Science, Sanya, China.
7. Suwen, J., [Lin, Y.](#), Zhao, L., Chen, Q.F. (2023). Full-wave anisotropy tomography for the upper mantle of Northeast China using SKS splitting intensities. In EGU (European Geosciences Union) General Assembly 2023, Vienna, Austria.
6. Suwen, J., [Lin, Y.](#), Zhao, L., Chen, Q.F. (2022). Full-wave anisotropic tomography in Northeast China based on splitting intensity. In CGU Annual Meeting Abstracts, online.
5. [Lin, Y.](#) & Zhao, L.(2022). Full-waveform multi-scale imaging of upper mantle anisotropy in Sichuan-Yunnan region. In CGU Annual Meeting Abstracts, online.
4. [Lin, Y.](#) & Zhao, L.(2021). Full-wave upper-mantle anisotropy tomography for the southeastern margin of the Tibetan Plateau using SKS splitting intensity data. Abstract DI45C-0034 virtually presented at 2021 AGU Fall Meeting.
3. [Lin, Y.](#) & Zhao, L.(2021). Full wave multiscale tomography for the upper mantle anisotropy under Sichuan Yunnan, China. Abstract virtually presented at 37th General Assembly of the European Seismological Commission.
2. Li, C., [Lin, Y.](#), Lv, W., & Zhang, J.(2020). A ground-penetrating radar surface diffracted wave separation based on iterative Stolt migration method. In CGU Annual Meeting Abstracts, Chongqing, China.
1. [Lin, Y.](#), Sun, W., Wei, W., Fu, L.-Y. (2015). One-way wave approximation of wave equation in polar coordinates. In CGU (Chinese Geosciences Union) Annual Meeting Abstracts, Beijing, China.

Teaching Experience

Chengdu University of Technology

- Instructor, “Numerical Analysis” (2023S, 2024S)
- Instructor, “Progress in Geophysics” (2023S, 2024S)
- Instructor, “Seismology” (2023F, 2024F)
- Instructor, “Earth Intelligent Exploration Methods and Techniques” (2023F, 2024F)

Peking University

- Teaching assistant, “Introductory Machine Learning for Earth Scientists” (2020F)
- Teaching assistant, “Big Data Applications in Earth Sciences” (2020F)

Students Supervision

Graduate Advisees

- Wuxueying QIU(M.S. expected 2026), Co-advised with Dr. Kai DENG

Undergraduate Research Advisees

Current undergraduate advisees:

- Jun-Ang CHEN - research advisor, 2023–present
- Simin CHEN - research advisor, 2024–Present
- Huaxuan LI - research advisor, 2024–Present
- Yirui YANG - research advisor, 2024–Present
- Chenxu YIN - research advisor, 2024–Present
- Wuchenyu YANG - research advisor, 2024–Present
- Junyu WU - research advisor, 2024–Present
- Lu YANG - research advisor, 2024–Present
- Hantao ZHANG - research advisor, 2024–Present
- Ling ZHANG - research advisor, 2024–Present

Past undergraduate advisees:

- Junkai YAN - research advisor, 2024/12–2025/06.
- Zhuoyu MO - research advisor, 2024/12–2025/06.
- Shuyang SHAO - research advisor, 2024/12–2025/06.
- Ao LI - research advisor, 2023/09–2024/06, now a MS student at Southern University of Science and Technology (SUSTech)
- Ying PENG - research advisor, 2022/12–2023/06, now a MS student at China University of Geosciences (Wuhan)
- Yongteng GONG - research advisor, 2022/12–2023/06

Services

Reviewers

- Journal of Geophysical Research: Solid Earth
- Geophysics
- Frontiers in Earth Science