

Xiangying Ye

Updated January 17, 2024

Email: yxying@mail.ustc.edu.cn ·

GitHub: <https://github.com/Chuancy-ye> ·

Phone: +86 18890097900 ·

Home Page: home.ustc.edu.cn/yxying ·

Research interests magmatic-hydrothermal evolution, global climate change, geochemical thermodynamics visualization, numerical simulation, geological big data

Education **University of Science and Technology of China (USTC)** Hefei
MA in Geology 2021-Now
Mentors: Professor Xiao, Yilin. *GPA: 3.84/4.3*

Central South University (CSU) Changsha
BA in Geological Engineering 2017-2021
Mentors: Professor Li, Bin. *GPA: 83.3/100*

Honors and scholarships

- Excellent Student Cadre (USTC) 2023
- The One-class Excellent Student Scholarship (USTC) 2021
- Outstanding graduate (CSU) 2021
- Geological scholarship (CSU) 2020
- Second Prize in Geoscientific Data Utilization Competition (CGS) 2019

Publications **Lithium isotopic systematics and numerical simulation for highly-fractionated granite-pegmatite system: Implications for the pegmatite-type rare-metal mineralization.**

Ye, X.Y., Li B.* , Chen, X.D., Lu, A.H., Lei, J., Zhao, L., Tan, D.B., Xiao, Y.L.*
Ore Geology Reviews, 2023. *IF=3.8 (Q1)*

Lithium Isotope Analytical Methods and Implications for Rare-Metal Mineralization in Granite-Pegmatite Systems: An Overview.

Ye, X.Y., Li, B.* , Tan, D.B., Liu, K.C. Zhu, Z.Y., Xiao, Y.L.
Journal of Earth science, 2024. *IF=3.3 (Q2)*

The Book of Rocks: Unearthing the Secrets of Our Planet.

Ye, X.Y., Liu, K.C., Xiao, Y.L.*
Zhejiang Science and Technology Publishing House, 2024. (In Press)

Li isotope fluctuations after Frasnian-Famennian boundary event: Recovery from mass extinction.

Ye, X.Y., Xiao, Y.L.* , Wang, Y.Y., Liang, K., Yang, T.Y., Tan, D.B.
(In preparation)

Geochemical Thermodynamics Visualization Platform (GEOTVP) V1.0.

Yu M.*, Ye, X.Y., Zhao, H.T., Song, X.Q., Shang, L.X.

Copyright of computer software: 2020SR0481441, 2020.

Research experience

MC-ICP-MS laboratory (USTC)

Lead by Professor Huang, Fang 2022/12 – Present

- Learning about the operation and daily responsibilities of an MC-ICP-MS laboratory.

Clean room and LA-ICP-MS laboratory (USTC)

Mentors: Professor Xiao, Yilin 2021/09 – Present

- Learning Major, trace elements, and Li isotope analysis. →
- Master's thesis: "Li Isotope fractionation during the Late Devonian Frasnian–Famennian (F–F) event."

Earth Data Program (Zhejiang University)

Mentors: Professor Zhang, Zhou 2020/03 – 2020/10

- Learned Python web crawler and built a global pyroxene metasomatic geochemical dataset.

Metallogenic evolution project team (CSU)

Mentors: Prof. Li, Bin, Prof. Jeffrey Dick, and Yu, miao 2018/03 – 2021/6

- Built GeoTVP: a geochemical thermodynamic reaction platform.
- Undergraduate Research Training Program Funded by CSU (¥15000).

Teaching experience

Teaching assistant, School of Earth and Space Sciences Spring 2022

GEOL6103P: Trace element geochemistry

- Assisting with teaching, grading, and providing academic support to students.

Other highlights

- I visited Heidelberg University and KIT with the funding of Central South University. 2019/12-2020/1

- I Gave a talk on *Geological Science Data Development Conference* at Development & Research Center of CGS. 2019/10

- I am members of *Hefei Astronomical Society* and *Dr. stone cartel* and have written and published some popular science articles on Earth science.

Skills

Programming

- Proficient in: Python, R, MySQL, Linux Server, LaTeX.
- Familiar with: PHP, MATLAB, C++, Qt GUI, JavaScript, TensorFlow.

Languages

Mandarin (native), English (fluent communication, academic writing), Basic Japanese.

Other interests

Blues Harp, Chinese Chess, Science Popularization, Cooking