

Xiangying Ye

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Email: yxying@mail.ustc.edu.cn ·

Phone: +86 18890097900 ·

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

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: 82.5/100

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)

A critical review of lithium isotope analytical methods, with implications for rare-element mineralization in granite-pegmatite systems
Ye, X.Y., Li, B.*, Zhu, Z.Y., Tan, D.B., Xiao, Y.L.,
Journal of Earth science (Major Revision), 2023. IF=3.3 (Q2)

Lithium isotope evidence for rapid climate cooling during the Late Devonian event.
Ye, X.Y., Wang, Y.Y., Yang, T.Y., Tan, D.B., Xiao, Y.L.*
(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)	2022/12 – Present
	Lead by Professor Huang, Fang	
	• Learning about the operation and daily responsibilities of an MC-ICP-MS laboratory.	
	Clean room and LA-ICP-MS laboratory (USTC)	2021/09 – Present
	Mentors: Professor Xiao, Yilin	
	• Learning Major, trace element, 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.	
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 <u>Heidelberg University and KIT</u> with the funding of Central South University.	2019/12-2020/1
	• I Gave a talk on <i>Geological Science Data Development Conference</i> at Development & Research Center of CGS.	2019/10
	• I am members of <i>Hefei Astronomical Society</i> and <i>Dr. stone cartel</i> and have written and published some popular science articles on Earth science.	
Skills	Programming	
	• Proficient in: Python, R, Linux Server, LaTeX.	
	• Familiar with: PHP, MySQL, C++, Qt GUI, JavaScript, TensorFlow.	
	Languages	
	Mandarin (native), English (fluent communication, academic writing), Basic Japanese.	
Other interests	Blues Harp, Chinese Chess, Science Popularization, Cooking	