

Joint winner of the 2020 IAG Young Scientist Award

Jie Lin



Jie is a post-doctoral scientist at the China University of Geosciences (Wuhan), where she majored in isotope analysis. The main focus of her research has been the development of new strategies and methods for Li isotope ratio measurements. Firstly, she provided a method to reduce the memory effect of Li during analysis. Her methodology has been applied in many international laboratories and publicised by Thermo Fisher Scientific. Secondly, she investigated the factors affecting the *in situ* determination of Li isotopes and developed a procedure for Li isotopic analysis by laser ablation multi-collector mass spectrometry (LA-MC-ICP-MS). Thirdly, she has worked on measuring Li isotopic ratios in carbonate

samples and provided accurate and precise $\delta^7\text{Li}$ values for various carbonate reference materials. She has also evaluated the feasibility of Li isotopic analysis in tourmalines by LA-MC-ICP-MS using matrix-matched and non-matrix-matched calibration. Currently, she is researching methods for determining Mg and O isotope ratios by LA-MC-ICP-MS.

When Jie is not working in the laboratory, she enjoys playing badminton, cycling and walking on the East Lake Greenway in Wuhan with her baby.
