

Zhang, H.X., Jiang, S.Y., Liu, S.Q., Yuan, F., Chen, W., and Su, H.M., 2023, U-Th-Pb dating, trace elements, and Sr-Nd isotopes of monazite and allanite as recorders for multi-stage rare earth element mineralization and remobilization in carbonatite dike systems: GSA Bulletin, <https://doi.org/10.1130/B36931.1>.

Supplemental Material

Table S1. The chemical compositions of allanite and monazite from the Huangjiagou carbonatite.

Table S2. The U-Th-Pb dating of monazite and allanite from the Huangjiagou carbonatite.

Table S3. The Sr-Nd isotope data of monazite and allanite from the Huangjiagou carbonatite.