

# Geodynamic evolution in the post-collisional stage of the East Kunlun Orogenic Belt: constraints from the Late Triassic intermediate–felsic igneous rocks

A.-K. Zhang<sup>a</sup>, S.-Y. He<sup>a</sup>, Y. Zhang<sup>a</sup>, J.-L. Sun<sup>b, c</sup> and Y. Qian<sup>b, d</sup>

<sup>a</sup>The Third Geological Exploration Institute of Qinghai Province, China; <sup>b</sup>College of Earth Sciences, Jilin University, Changchun, China; <sup>c</sup>State Key Laboratory of Ore Deposit Geochemistry, Institute of Geochemistry, Chinese Academy of Sciences, Guiyang, China; <sup>d</sup>Shandong Provincial Engineering Laboratory of Application and Development of Big Data for Deep Gold Exploration, Weihai, China

Received 26 June 2023; accepted 23 September 2023

CONTACT Ye Qian email [qianye@jlu.edu.cn](mailto:qianye@jlu.edu.cn) mail College of Earth Sciences, Jilin University, No. 2199, Jianshe Street, Changchun, 130061, PR China.

Editorial handling: Chris Fergusson

## SUPPLEMENTAL DATA

*Australian Journal of Earth Sciences* (2024), 71(1), <https://doi.org/10.1080/08120099.2023.2263883>

---

Copies of Supplementary Papers may be obtained from the Geological Society of Australia's website ([www.gsa.org.au](http://www.gsa.org.au)), the Australian Journal of Earth Sciences website ([www.ajes.com.au](http://www.ajes.com.au)) or from the National Library of Australia's Pandora archive (<https://pandora.nla.gov.au/tep/150555>).

---

## Supplemental data

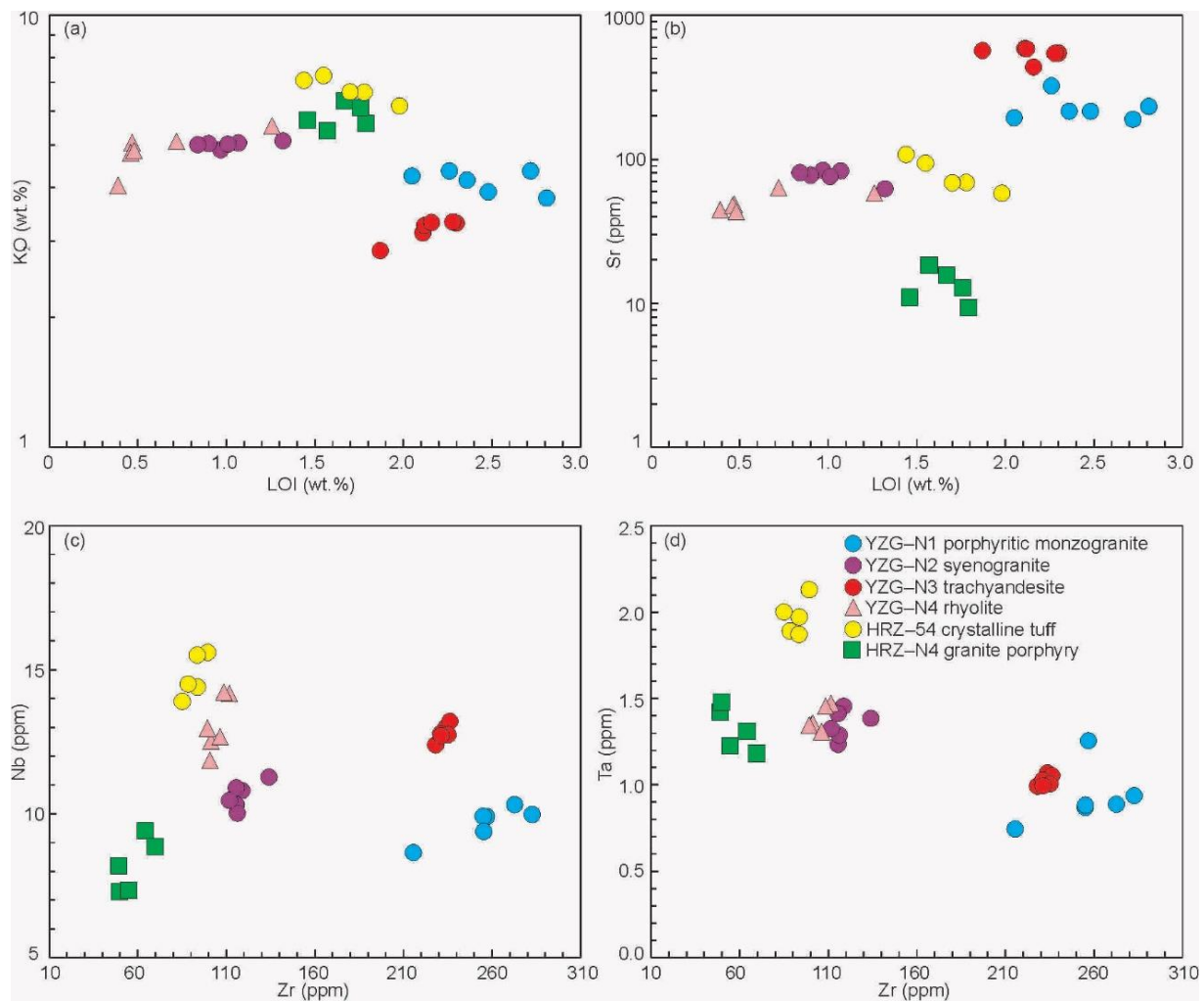
**Figure S1.** (a) LOI vs K<sub>2</sub>O, (b) LOI vs Sr, (c) Zr vs Nb, and (d) Zr vs Ta diagrams for sample rocks from Yazigou and Harizha areas in the EKOB.

**Table S1.** LA-ICP-MS zircon U–Pb dating data for the samples. (Excel workbook)

**Table S2.** Major (wt%) and trace element (ppm) compositions for the samples.

**Table S3.** Zircon Hf isotope results for the samples

**Table S4.** Summary age data of the Late Triassic igneous rocks from the East Kunlun Orogenic Belt.



**Figure S1.** (a) LOI vs  $K_2O$ , (b) LOI vs Sr, (c) Zr vs Nb, and (d) Zr vs Ta diagrams for sample rocks from Yazigou and Harizha areas in the EKOB.