

## Accepted Manuscript

Preservation and Exhumation History of the Harizha-Halongxiuma Mining Area in the East Kunlun Range, Northeastern Tibetan Plateau, China

Yunlei Feng, Wanming Yuan, Yuntao Tian, Xing Feng, Nana Hao, Liting Zhang, Yahao Li, Qingsong Liu, Xiaolong Wang, Zhen Shi, Xiaoyong Zhu, Ke Wang

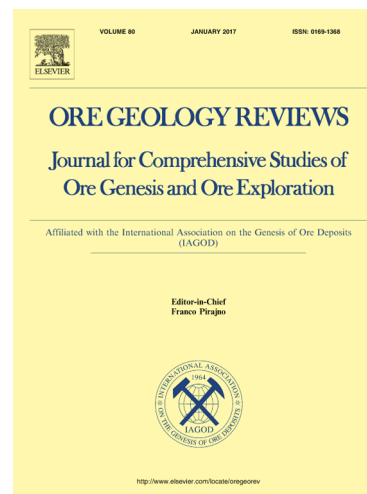
PII: S0169-1368(16)30322-5  
DOI: <http://dx.doi.org/10.1016/j.oregeorev.2016.12.029>  
Reference: OREGEO 2070

To appear in: *Ore Geology Reviews*

Received Date: 5 June 2016  
Revised Date: 12 December 2016  
Accepted Date: 16 December 2016

Please cite this article as: Y. Feng, W. Yuan, Y. Tian, X. Feng, N. Hao, L. Zhang, Y. Li, Q. Liu, X. Wang, Z. Shi, X. Zhu, K. Wang, Preservation and Exhumation History of the Harizha-Halongxiuma Mining Area in the East Kunlun Range, Northeastern Tibetan Plateau, China, *Ore Geology Reviews* (2017), doi: <http://dx.doi.org/10.1016/j.oregeorev.2016.12.029>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



**Preservation and Exhumation History of the Harizha-Halongxiuma Mining Area in the East Kunlun Range, Northeastern Tibetan Plateau, China**

Yunlei Feng <sup>a</sup>, Wanming Yuan <sup>a\*</sup>, Yuntao Tian <sup>b</sup>, Xing Feng <sup>a</sup>, Nana Hao <sup>a</sup>, Liting Zhang <sup>a</sup>, Yahao Li <sup>a</sup>, Qingsong Liu <sup>a</sup>, Xiaolong Wang <sup>a</sup>, Zhen Shi <sup>a</sup>, Xiaoyong Zhu <sup>a</sup>,  
Ke Wang <sup>a</sup>

<sup>a</sup> *Science Research Institute, China University of Geosciences, Beijing, China*

<sup>b</sup> *Department of Earth Sciences, University College London, UK*

\*Corresponding author: Yuan Wanming; Tel: (0086)13910909542; E-mail address: ywm010@sina.com

**Highlights**

- New thermochronology cooling ages from the eastern East Kunlun Range
- Two exhumation events since Jurassic are unveiled in Harizha-Halongxiuma.
- Exhumation of the Harizha-Halongxiuma since the Late Triassic is  $6.2 \pm 2.6$  km.
- The preservation of ore deposits in Harizha-Halongxiuma mining area is positive.
- Thrust fault movements might negatively affect the preservation of ore bodies.

**Abstract:** The extent to which ore bodies are preserved in orogenic belts remains a poorly understood area of ore deposit research. Using zircon and apatite fission track analysis together with apatite (U-Th)/He dating we constrained the erosion history of the ore bodies in the Harizha–Halongxiuma mining area of the East Kunlun Range,

Download English Version:

<https://daneshyari.com/en/article/8910101>

Download Persian Version:

<https://daneshyari.com/article/8910101>

[Daneshyari.com](https://daneshyari.com)