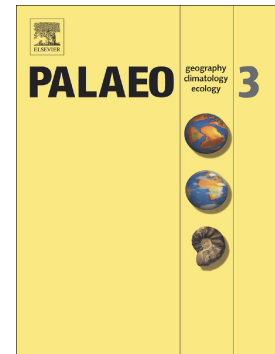


## Accepted Manuscript

Weathering and alteration of volcanic ashes in various depositional settings during the Permian-Triassic transition in South China: Mineralogical, elemental and isotopic approaches

Hanlie Hong, Qian Fang, Lulu Zhao, Shane Schoepfer, Chaowen Wang, Nina Gong, Zhaohui Li, Zhong-Qiang Chen



PII: S0031-0182(16)30913-0  
DOI: doi: [10.1016/j.palaeo.2016.12.033](https://doi.org/10.1016/j.palaeo.2016.12.033)  
Reference: PALAEO 8121

To appear in: *Palaeogeography, Palaeoclimatology, Palaeoecology*

Received date: 24 September 2016  
Revised date: 20 December 2016  
Accepted date: 21 December 2016

Please cite this article as: Hanlie Hong, Qian Fang, Lulu Zhao, Shane Schoepfer, Chaowen Wang, Nina Gong, Zhaohui Li, Zhong-Qiang Chen , Weathering and alteration of volcanic ashes in various depositional settings during the Permian-Triassic transition in South China: Mineralogical, elemental and isotopic approaches. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. *Palaeo*(2016), doi: [10.1016/j.palaeo.2016.12.033](https://doi.org/10.1016/j.palaeo.2016.12.033)

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.

**Weathering and alteration of volcanic ashes in various depositional settings during the Permian-Triassic transition in South China: mineralogical, elemental and isotopic approaches**

Hanlie Hong<sup>1, 2, \*</sup>, Qian Fang<sup>2</sup>, Lulu Zhao<sup>2</sup>, Shane Schoepfer<sup>3</sup>, Chaowen Wang<sup>2</sup>, Nina Gong<sup>2</sup>, Zhaohui Li<sup>2, 4</sup>, Zhong-Qiang Chen<sup>1</sup>

<sup>1</sup>State Key Laboratory of Biogeology and Environmental Geology, China University of Geosciences, Wuhan 430074, China;

<sup>2</sup>School of Earth Sciences, China University of Geosciences, Wuhan 430074, China;

<sup>3</sup> Department of Geoscience, University of Calgary, Calgary, Alberta T2N 1N4 Canada.

<sup>4</sup> Geosciences Department, University of Wisconsin – Parkside, Kenosha, WI 53141-2000, USA

\*Corresponding author: Hanlie Hong (E-mail: honghl8311@aliyun.com)

**Abstract**

To better understand the alteration of volcanic ash in different depositional environments, we measured the clay mineralogy, major and trace element geochemistry, and Sr and Nd isotopic composition of altered ashes in two Permian-Triassic boundary (PTB) successions in southern China. The Pengda and Xinmin sections, in Guizhou Province, represent different depositional settings, allowing us to investigate the role of the early burial environment on authigenic clay formation. The PTB ash beds in both sections

Download English Version:

<https://daneshyari.com/en/article/8868612>

Download Persian Version:

<https://daneshyari.com/article/8868612>

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