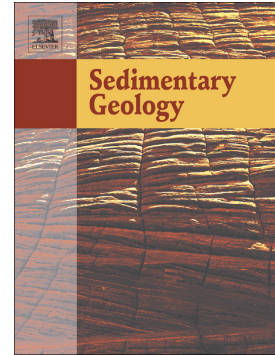


Accepted Manuscript

Provenance information recorded by mineral inclusions in detrital garnet

Jan Schönig, Guido Meinhold, Hilmar von Eynatten, Nils K. Lünsdorf



PII: S0037-0738(18)30182-9
DOI: doi:[10.1016/j.sedgeo.2018.07.009](https://doi.org/10.1016/j.sedgeo.2018.07.009)
Reference: SEDGEO 5375
To appear in: *Sedimentary Geology*
Received date: 25 May 2018
Revised date: 23 July 2018
Accepted date: 24 July 2018

Please cite this article as: Jan Schönig, Guido Meinhold, Hilmar von Eynatten, Nils K. Lünsdorf, Provenance information recorded by mineral inclusions in detrital garnet. *Sediment. Geol.* (2018), doi:[10.1016/j.sedgeo.2018.07.009](https://doi.org/10.1016/j.sedgeo.2018.07.009)

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.

Provenance information recorded by mineral inclusions in detrital garnet

Jan Schönig^{1*}, Guido Meinhold^{1,2}, Hilmar von Eynatten¹, Nils K. Lünsdorf¹

¹Department of Sedimentology and Environmental Geology, Geoscience Center Göttingen, University of Göttingen, Goldschmidtstraße 3, 37077 Göttingen, Germany

²School of Geography, Geology and the Environment, Keele University, Keele, Staffordshire, ST5 5BG, UK

*Correspondence should be addressed to J.S. (e-mail: jan.schoenig@uni-goettingen.de)

Abstract

Garnet single-grain analysis is an often used and well established tool in sedimentary provenance studies, especially when metamorphic source rocks are involved. So far, however, solely the geochemical composition of detrital garnets is considered to draw conclusions concerning

Download English Version:

<https://daneshyari.com/en/article/8908446>

Download Persian Version:

<https://daneshyari.com/article/8908446>

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