

## Accepted Manuscript

Paleoceanographic conditions at approximately 20 and 70 ka recorded in *Kikaithyris hanzawai* (Brachiopoda) shells

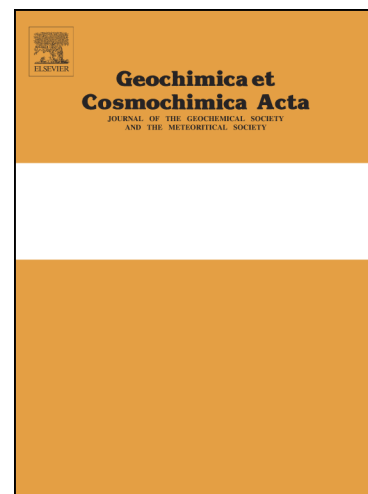
Mamoru Takizawa, Hideko Takayanagi, Koshi Yamamoto, Osamu Abe, Keiichi Sasaki, Yasufumi Iryu

PII: S0016-7037(17)30469-6

DOI: <http://dx.doi.org/10.1016/j.gca.2017.08.002>

Reference: GCA 10407

To appear in: *Geochimica et Cosmochimica Acta*



Please cite this article as: Takizawa, M., Takayanagi, H., Yamamoto, K., Abe, O., Sasaki, K., Iryu, Y., Paleoceanographic conditions at approximately 20 and 70 ka recorded in *Kikaithyris hanzawai* (Brachiopoda) shells, *Geochimica et Cosmochimica Acta* (2017), doi: <http://dx.doi.org/10.1016/j.gca.2017.08.002>

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.

**Paleoceanographic conditions at approximately 20 and 70 ka recorded in *Kikaithyris***

***hanzawai* (Brachiopoda) shells**

Mamoru Takizawa<sup>a†</sup>, Hideko Takayanagi<sup>a</sup>, Koshi Yamamoto<sup>b</sup>, Osamu Abe<sup>c</sup>, Keiichi Sasaki<sup>d</sup>,  
Yasufumi Iryu<sup>a\*</sup>

<sup>a</sup> Institute of Geology and Paleontology, Graduate School of Science, Tohoku University,  
Aobayama, Sendai 980-8578, Japan

<sup>b</sup> Department of Earth and Environmental Sciences, Graduate School of Environmental Studies,  
Nagoya University, Chikusa, Nagoya 464-8601, Japan

<sup>c</sup> Hydrospheric-Atmospheric Science, Graduate School of Environmental Studies, Nagoya  
University, Chikusa, Nagoya 464-8601, Japan

<sup>d</sup> Organization for Core Curriculum Studies, Kanazawa Gakuin University, Kanazawa 920-1392,  
Japan

<sup>†</sup> Present address: Natural Resources Group, Mining Department, Taiheiyo Cement Corporation,  
Daiba Garden City Building, 2-3-5, Daiba, Minato-ku, Tokyo 135-8578, JAPAN

\* Corresponding author

Download English Version:

<https://daneshyari.com/en/article/5783241>

Download Persian Version:

<https://daneshyari.com/article/5783241>

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