Accepted Manuscript

The origin of pyroelectricity in tourmaline at varying temperature

Guojun Zhou, Hao Liu, Kairen Chen, Xinghui Gai, Changchun Zhao, Libing Liao, Kun Shen, Zhenjun Fan, You Shan

PII: S0925-8388(18)30495-X

DOI: 10.1016/j.jallcom.2018.02.064

Reference: JALCOM 44940

To appear in: Journal of Alloys and Compounds

Received Date: 23 April 2017

Revised Date: 26 January 2018 Accepted Date: 6 February 2018

Please cite this article as: G. Zhou, H. Liu, K. Chen, X. Gai, C. Zhao, L. Liao, K. Shen, Z. Fan, Y. Shan, The origin of pyroelectricity in tourmaline at varying temperature, *Journal of Alloys and Compounds* (2018), doi: 10.1016/j.jallcom.2018.02.064.

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.



ACCEPTED MANUSCRIPT

The origin of pyroelectricity in tourmaline at varying temperature

Guojun Zhou^a, Hao Liu^a, Kairen Chen^a, Xinghui, Gai^a, Changchun Zhao^{a*}, Libing Liao^{b*}, Kun Shen^a, Zhenjun Fan^a, You Shan^a

^a School of Science, China University of Geosciences, Beijing 100083, China

^b School of Materials Science and Technology, China University of Geosciences, Beijing 100083, China

E-mail: zhaocc@cugb.edu.cn

E-mail: lbliao@cugb.edu.cn

Tel.: +86-10-8232-1062;

Fax.: +86-10-8232-3426

^{*}Author to whom correspondence should be addressed: Changchun Zhao, Libing Liao

Download English Version:

https://daneshyari.com/en/article/7992936

Download Persian Version:

https://daneshyari.com/article/7992936

<u>Daneshyari.com</u>