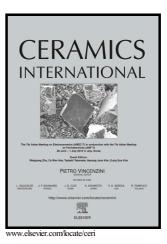
## Author's Accepted Manuscript

Uniaxial compressive stress and temperature dependent mechanical behavior of (1-*x*)BiFeO<sub>3</sub>-*x*BaTiO<sub>3</sub> lead-free piezoelectric ceramics

Neamul H. Khansur, Julia Glaum, Oliver Clemens, Hailong Zhang, John E. Daniels, Kyle G. Webber



 PII:
 S0272-8842(17)30662-4

 DOI:
 http://dx.doi.org/10.1016/j.ceramint.2017.04.055

 Reference:
 CERI15035

To appear in: Ceramics International

Received date: 17 February 2017 Revised date: 10 April 2017 Accepted date: 10 April 2017

Cite this article as: Neamul H. Khansur, Julia Glaum, Oliver Clemens, Hailon, Zhang, John E. Daniels and Kyle G. Webber, Uniaxial compressive stress and temperature dependent mechanical behavior of (1-*x*)BiFeO<sub>3</sub>-*x*BaTiO<sub>3</sub> lead-fre piezoelectric ceramics, *Ceramics Internationa*, http://dx.doi.org/10.1016/j.ceramint.2017.04.055

This is a PDF file of an unedited manuscript that has been accepted fo publication. As a service to our customers we are providing this early version o the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable 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**

## Uniaxial compressive stress and temperature dependent mechanical behavior of (1-*x*)BiFeO<sub>3</sub>-*x*BaTiO<sub>3</sub> lead-free piezoelectric ceramics

Neamul H Khansur<sup>1\*</sup>, Julia Glaum<sup>2,3</sup>, Oliver Clemens<sup>4,5</sup>, Hailong Zhang<sup>6</sup>, John E Daniels<sup>3</sup>, Kyle G Webber<sup>1</sup>

<sup>1</sup>Department of Materials Science, University of Erlangen-Nürnberg, Erlangen 91058, Germany

<sup>2</sup>Department of Materials Science and Engineering, Norwegian University of Science and Technology, Trondheim, 7491, Norway

<sup>3</sup>School of Materials Science and Engineering, UNSW Sydney, New South Wales 2052, Australia

<sup>4</sup>Technische Universität Darmstadt, Anion Chemistry of Perovskite Type Materials, Alarich-Weiss-Str. 2, 64287 Darmstadt, Germany

<sup>5</sup>Karlsruher Insitut für Technologie, Institut für Nanotechnologie, Hermann-von-Helmholtz-Platz 1, 76344 Eggenstein-Leopoldshafen, Germany

<sup>6</sup>State Key Laboratory for Advanced Metals and Materials, University of Science and Technology Beijing, Beijing 100083, China

\*Corresponding author. Tel: +49 (0) 9131 852 7557; Fax: +49 (0) 9131 8528311. neamul.khansur@fau.de Download English Version:

## https://daneshyari.com/en/article/5438383

Download Persian Version:

https://daneshyari.com/article/5438383

Daneshyari.com