

# Accepted Manuscript

Temperature stability of PIN-PMN-PT ternary ceramics during pyroelectric power generation

Juyoung Kim, Takuya Moro, Juyoung Kim, Satoru Yamanaka, Ichiro Murayama, Takanori Katou, Tadachika Nakayama, Masatoshi Takeda, Noboru Yamada, Yasuo Nishihata, Tatsuo Fukuda, Hirohisa Tanaka, Tohru Sekino, Yoonho Kim

PII: S0925-8388(18)32683-5

DOI: [10.1016/j.jallcom.2018.07.182](https://doi.org/10.1016/j.jallcom.2018.07.182)

Reference: JALCOM 46898

To appear in: *Journal of Alloys and Compounds*

Received Date: 12 February 2018

Revised Date: 11 July 2018

Accepted Date: 15 July 2018

Please cite this article as: J. Kim, T. Moro, J. Kim, S. Yamanaka, I. Murayama, T. Katou, T. Nakayama, M. Takeda, N. Yamada, Y. Nishihata, T. Fukuda, H. Tanaka, T. Sekino, Y. Kim, Temperature stability of PIN-PMN-PT ternary ceramics during pyroelectric power generation, *Journal of Alloys and Compounds* (2018), doi: [10.1016/j.jallcom.2018.07.182](https://doi.org/10.1016/j.jallcom.2018.07.182).

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.



**Temperature stability of PIN-PMN-PT ternary ceramics during pyroelectric power generation**

Juyoung Kim<sup>1</sup>, Takuya Moro<sup>2</sup>, Juyoung Kim<sup>1</sup>, Satoru Yamanaka<sup>1</sup>, Ichiro Murayama<sup>1</sup>, Takanori Katou<sup>1</sup>, Tadachika Nakayama<sup>2</sup>, Masatoshi Takeda<sup>2</sup>, Noboru Yamada<sup>2</sup>, Yasuo Nishihata<sup>3</sup>, Tatsuo Fukuda<sup>3</sup>, Hirohisa Tanaka<sup>4</sup>, Tohru Sekino<sup>5</sup>, Yoonho Kim<sup>1,\*</sup>

<sup>1</sup>Advanced research and development department, Daihatsu Motor Co., Ltd, 3000, Yamanoue, Ryuo, Gamo, Shiga, 520-2593, Japan

<sup>2</sup>Nagaoka University of Technology, 1603-1, Kamitomioka, Nagaoka, Niigata, 940-2188, Japan

<sup>3</sup>Japan Atomic Energy Agency, 1-1-1, Kouto, Sayo, Hyogo, 679-5148, Japan

<sup>4</sup>Kwansei Gakuin University, 2-1 Gakuen, Sanda, Hyogo, 669-1337, Japan

<sup>5</sup>The Institute of Scientific and Industrial Research (ISIR), Osaka University, Mihogaoka 8-1, Ibaraki, Osaka, 567-0047, Japan

Keywords: energy harvesting, pyroelectrics, electrothermodynamic cycle, PIN-PMN-PT, structural disordering

Download English Version:

<https://daneshyari.com/en/article/7990086>

Download Persian Version:

<https://daneshyari.com/article/7990086>

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