

Transition from mobility-activated small polaron to carrier density-activated conduction of *sol-gel*-derived highly-oriented CuAlO_2 thin film and enhanced thermoelectric properties

A.N. Banerjee, S.W. Joo



www.elsevier.com/locate/ceri

PII: S0272-8842(17)32871-7
DOI: <https://doi.org/10.1016/j.ceramint.2017.12.163>
Reference: CERI17043

To appear in: *Ceramics International*

Received date: 21 June 2017
Revised date: 12 December 2017
Accepted date: 22 December 2017

Cite this article as: A.N. Banerjee and S.W. Joo, Transition from mobility-activated small polaron to carrier density-activated conduction of *sol-gel*-derived highly-oriented CuAlO_2 thin film and enhanced thermoelectric properties, *Ceramics International*, <https://doi.org/10.1016/j.ceramint.2017.12.163>

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 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.

Transition from mobility-activated small polaron to carrier density-activated conduction of *sol-gel*-derived highly-oriented CuAlO₂ thin film and enhanced thermoelectric properties

A. N. Banerjee* and S. W. Joo*

School of Mechanical Engineering, Yeungnam University, Gyeongsan 712-749, Republic of Korea

*Corresponding authors:

banerjee_arghya@hotmail.com, arghya@ynu.ac.kr (ANB); Ph. +82-53-810-2453, Fax: +82-53-810-2062

swjoo@yu.ac.kr (SWJ); Ph. +82-53-810-3239, Fax: +82-53-810-2062

Download English Version:

<https://daneshyari.com/en/article/7887514>

Download Persian Version:

<https://daneshyari.com/article/7887514>

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