

## Accepted Manuscript

Influence of Na in Cu<sub>2</sub>SnS<sub>3</sub> film on its physical properties and photovoltaic performances

Jakapan Chantana, Hikaru Uegaki, Takashi Minemoto



PII: S0040-6090(17)30479-0  
DOI: doi: [10.1016/j.tsf.2017.06.044](https://doi.org/10.1016/j.tsf.2017.06.044)  
Reference: TSF 36051  
To appear in: *Thin Solid Films*  
Received date: 22 August 2016  
Revised date: 29 May 2017  
Accepted date: 22 June 2017

Please cite this article as: Jakapan Chantana, Hikaru Uegaki, Takashi Minemoto , Influence of Na in Cu<sub>2</sub>SnS<sub>3</sub> film on its physical properties and photovoltaic performances, *Thin Solid Films* (2017), doi: [10.1016/j.tsf.2017.06.044](https://doi.org/10.1016/j.tsf.2017.06.044)

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.

# **Influence of Na in $\text{Cu}_2\text{SnS}_3$ film on its physical properties and photovoltaic performances**

**Jakapan Chantana\*, Hikaru Uegaki, and Takashi Minemoto**

**Department of Electrical and Electronic Engineering, Ritsumeikan University, Kusatsu,**

**Shiga 525-8577, Japan**

**\*Corresponding author:**

**Jakapan Chantana, Tel/Fax: +81-77-561-4836,**

***E-mail: jakapan@fc.ritsumei.ac.jp***

**Co-authors:**

**Hikaru Uegaki, *E-mail: ro0011ip@ed.ritsumei.ac.jp***

**Takashi Minemoto, *E-mail: minemoto@se.ritsumei.ac.jp***

Download English Version:

<https://daneshyari.com/en/article/5466084>

Download Persian Version:

<https://daneshyari.com/article/5466084>

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