Accepted Manuscript

Effect of annealing on the morphology and compositions of ${\rm Cu}_2{\rm ZnSnSe}_4$ thin films fabricated by thermal evaporation for solar cells

Mitsuki Nakashima, Toshiyuki Yamaguchi, Shohei Yukawa, Junji Sasano, Masanobu Izaki

PII: S0040-6090(16)30761-1 DOI: doi:10.1016/j.tsf.2016.11.035

Reference: TSF 35637

To appear in: Thin Solid Films

Received date: 15 April 2016 Revised date: 11 November 2016 Accepted date: 17 November 2016



Please cite this article as: Mitsuki Nakashima, Toshiyuki Yamaguchi, Shohei Yukawa, Junji Sasano, Masanobu Izaki, Effect of annealing on the morphology and compositions of $Cu_2ZnSnSe_4$ thin films fabricated by thermal evaporation for solar cells, *Thin Solid Films* (2016), doi:10.1016/j.tsf.2016.11.035

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

Effect of annealing on the morphology and compositions of Cu₂ZnSnSe₄ thin films fabricated by thermal evaporation for solar cells

Mitsuki Nakashima ¹*, Toshiyuki Yamaguchi ¹, Shohei Yukawa ¹, Junji Sasano ², and Masanobu Izaki ²

E-mail: nakashima@wakayama-nct.ac.jp

¹ National Institute of Technology, Wakayama College, Gobo, Wakayama, 644-0023, Japan

² Toyohashi University of Technology, Toyohashi, Aichi, 441-8580, Japan

Download English Version:

https://daneshyari.com/en/article/5466420

Download Persian Version:

https://daneshyari.com/article/5466420

Daneshyari.com