

Accepted Manuscript

Title: CdCl₂ treatment concentration evolution of physical properties correlation with surface morphology of CdTe thin films for solar cells

Author: Subhash Chander M.S. Dhaka



PII: S0025-5408(17)31028-0
DOI: <http://dx.doi.org/doi:10.1016/j.materresbull.2017.08.038>
Reference: MRB 9516

To appear in: *MRB*

Received date: 16-3-2017
Revised date: 15-8-2017
Accepted date: 15-8-2017

Please cite this article as: S. Chander, M.S. Dhaka, CdCl₂ treatment concentration evolution of physical properties correlation with surface morphology of CdTe thin films for solar cells, *Materials Research Bulletin* (2017), <http://dx.doi.org/10.1016/j.materresbull.2017.08.038>

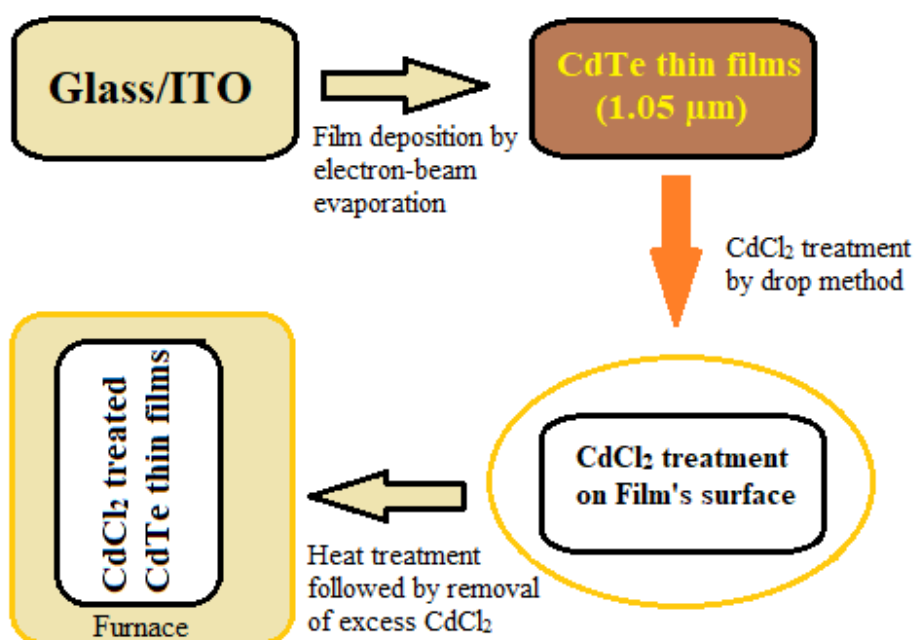
This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please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

CdCl₂ treatment concentration evolution of physical properties correlation with surface morphology of CdTe thin films for solar cells

Subhash Chander and M.S. Dhaka[†]

Department of Physics, Mohanlal Sukhadia University, Udaipur-313001, India

Graphical Abstract



Highlights

- CdCl₂ treatment concentration evolution of physical properties correlation with surface morphology of CdTe thin films is reported.
- Optical band gap is found to decrease and red shift is observed with CdCl₂ treatment.
- Optical, dielectric and material characteristic parameters have also been investigated.
- Films found to be cubic (zinc blende structure) and polycrystalline nature.
- Conductivity was increased with concentration to the CdCl₂ treatment.

Download English Version:

<https://daneshyari.com/en/article/7905106>

Download Persian Version:

<https://daneshyari.com/article/7905106>

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