

## Characteristics of $\text{CuInS}_2$ Films Deposited by a Solution Coating Method

박준영, 김동환, 김홍탁, 박진호\*

영남대학교

(chpark@ynu.ac.kr\*)

In this study, the characteristics of  $\text{CuInS}_2$  films were investigated. The  $\text{CuInS}_2$  films were deposited by a solution coating method.  $\text{CuInS}_2$  ink was synthesized using copper (II) acetylacetonate, indium(III) acetylacetonate, o-dichlorobenzene and sulfur. This ink was spin-coated on glass substrates and then prepared films were annealed in various temperatures. The properties of  $\text{CuInS}_2$  films were investigated by X-ray diffraction (XRD), UV-Vis spectroscopy, scanning electron microscope (SEM), and energy dispersive X-ray spectroscopy (EDX).

This work was supported by the National Center for Nanomaterials Technology through Yeungnam University in 2009.