

عنوان مقاله:

Effect of thickness on structural, optical and morphological properties of electrodeposited CdTe thin films

محل انتشار:

دومین کنگره بین المللی علوم و مهندسی (سال: 1397)

تعداد صفحات اصل مقاله: 7

نویسنده:

,Nasim Nobari - Department of Physics, Mahabad Branch, Islamic Azad University, Mahabad ۵۹۱۳۵, Iran

خلاصه مقاله:

A fast electrodeposition method for fabrication of CdTe films is presented. The CdTe thin films were deposited on freshly prepared, high-quality CdS films on glass/FTO substrates. It is presented that, only 30 min deposition time is enough to prepare CdTe films with thicknesses of about 1 micrometer. The exact thickness of the prepared films was determined using cross sectional scanning electron microscopy (FESEM). Effect of thickness on structure, optical properties and surface morphology of deposited films was also discussed

کلمات کلیدی:

Thin film, deposition rate, thickness, cadmium telluride

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/877943>

