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Structural and Optical Study of Cu doped ZnS Thin Films Nanocrystalline by Chemical Bath Deposition Method

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Abstract : ZnS is an important II-VI binary compound with large band-gap energy at room temperature. We present in this work preparation and characterization of ZnS and Cu doped ZnS thin films. The depositions are performed by a simple chemical bath deposition route. Structural properties are carried out by X-ray diffraction (XRD) and scanning electron microscopy (SEM). Optical transmittance is investigated by the UV-visible spectroscopy at room temperature.

Keywords : chemical, bath, method, Cu, doped, ZnS, thin, films
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