

Structural Properties of Zn-PbI₂ Nanostructures

Abstract

The structural properties of Zn-doped and undoped lead iodide (PbI₂) nanostructures have been investigated. Zn-doped and undoped of (PbI₂) have been grown by chemical technique. Different doped and undoped PbI₂ when prepared successfully by thermal evaporation technique an glass substrate at room temperature. Characterization and analysis using scanning electron microscopy (SEM) and X-ray diffraction (XRD) have indicated to the crystalline character. The particle size of Zn-PbI₂ is larger than undoped PbI₂.

Keywords; Structural Properties, Thermal Evaporation Method, Zn-PbI₂