

Optical, electrical, and structural properties of Mn doped CdS thin films prepared by CBD

Abstract

Cadmium sulphide films have been deposited on non conducting glass slides in an alkaline medium by a chemical bath deposition process. The manganese doping concentration was varied from

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to

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wt %, it

apparently decreases the band gap and lowers the resistivity. All beneficial optical properties of chemically deposited CdS thin films for application as a window material in heterojunction optoelectronic devices are retained.