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Optical characterization of ZnO, ZnSe and ZnSe/ZnO heterostructure

Rachida Douzi and Abdelaziz Meftah

Université Tunis El Manar, Tunisia

ZnSe layers were grown on ZnO substrates by metal organic chemical vapor deposition technique (MOCVD). ZnO, ZnSe and ZnO/ZnSe heterostructure were investigated by Raman spectroscopy and absorption. From the absorption spectra, we deduced the type II character of the ZnSe/ZnO heterostructure. Type II structures are very useful in photovoltaic conversion.

douzirachida19@gmail.com