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Ex situ synthesis and optical properties of ZnO-PbS nanocomposites

Abstract: Zinc Oxide (ZnO) and lead sulphide (PbS) nanoparticles separately synthesized by a precipitation method were combined by an ex situ route to prepare ZnO-PbS nanocomposites with different molar ratios of ZnO and PbS. Optical properties, structure and morphology of the samples were analyzed and are discussed.

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