

Facile Route for the Synthesis of NiO/ZnO Nanocomposite Used in Gas Sensors

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Abstract : Current years have seen increased interest in the synthesis of p/n metal oxide-based nano composites and their great potential in advanced applications, such as opto electronics, photo catalysis and gas sensors. The superior functional performances of the system combining p-type and n-types semiconducting oxide in comparison to the corresponding single-phase metal oxides are mainly ascribed to the build-up of an inner electric field at the p/n junction interface.

Keywords : nanocomposite, semiconductors, p-n, heterojunction

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