

## TRANSLATED TEXT

## Synthesis of Zinc Oxide Nano flowers utilizing the spray coating method and their comparison in Oxygen sensors

### Summary

The foundation of this paper is based on the production and synthesis of Zinc Oxide one dimensional semiconductor nanostructures especially Nano flowers, which has been established for the purpose of comparing thin film structures of this material for different gas sensors including Oxygen. The method of synthesizing these nanostructures is a chemical method utilizing a spray coating device.

The tests employed in order to verify Zinc Oxide nanostructure formations are:

1. X-Ray diffraction pattern (XRD) which signals Zinc Oxide crystal phase formations in Zinc Oxide samples.
2. Structural studies including SEM images and PL spectrums which clearly depict the formation of Zinc Oxide structures in form of Nano flowers.

## ORIGINAL TEXT

در آرشیو موجود نیست.