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Tin Oxide nanoparticle structural modification with ZnO/Zn for gas sensing applications.

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Tin oxide nanoparticles were synthesized using hydrothermal process, tin tetrachloride was dissolved in distilled water, and ammonia was used as a precursor to control pH. Zinc and zinc oxide were used as dopants to modify the structural properties of tin oxide nanoparticles. The synthesized nanoparticles were characterized using the X-ray diffraction (XRD), high resolution transmission electron microscope (HRTEM), scanning electron microscope (SEM), and X-ray photoelectron microscope (XPS) to study their structural, morphological, average particle size and surface properties.

Apply to be considered for a student ; award (Yes / No)?

Yes

Level for award;(Hons, MSc, PhD, N/A)?

MSc

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