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MICRORODS AND NANOPLATELETS-BASED SENSORS

The optimized and fabricated Zinc Oxide (ZnO) microrods and platelets-based nanostructures were generated using hydrolysis-condensation at mild temperatures. The targeted applications are geared towards ultrasensitive H2 sensors with detection efficiency as low as 2 ppm. The synthesis and optimization strategy as well as experimental results on hydrogen gas sensing are presented.

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