

High-performance formaldehyde gas-sensor based on three dimensional center-hollow ZnO

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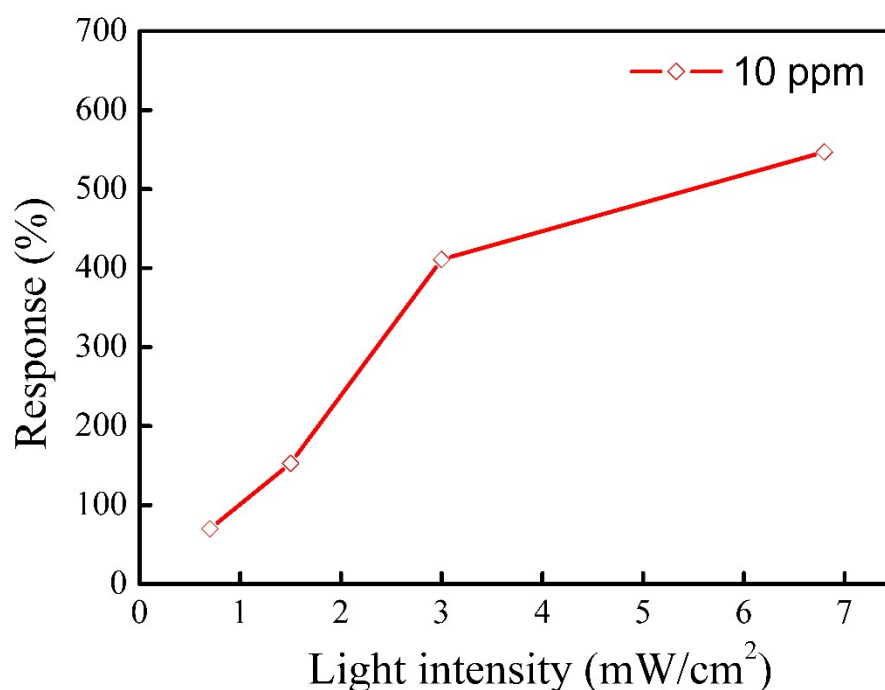


Fig. 1s Plot of response (% change in baseline current) vs. light intensity when 3D-ZnO sensor were exposed to 10 ppm formaldehyde vapor.

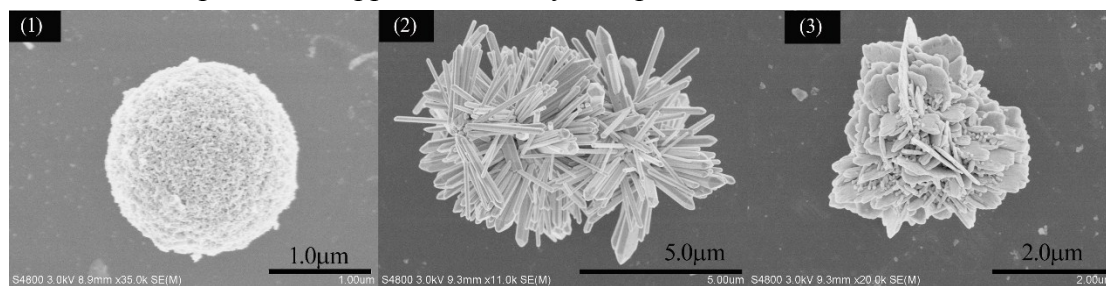


Fig. 2s The SEM images of the hollowspheres ZnO (d), the nanorods-flowers ZnO (e) and the nanoplates-flowers ZnO (f).

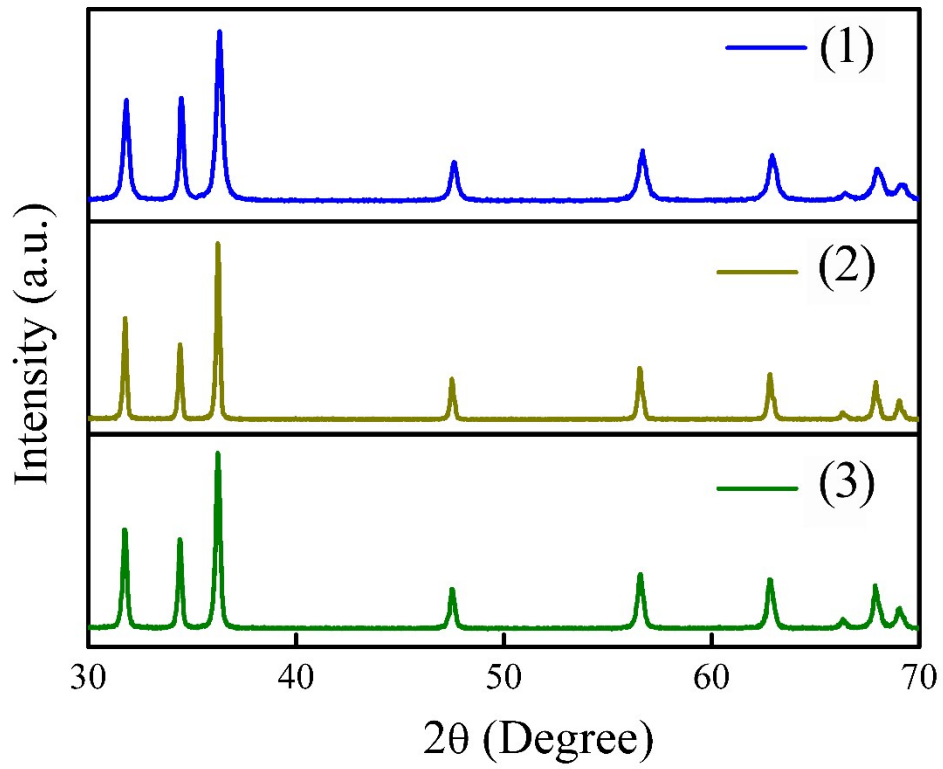


Fig. 3s The XRD of the hollowspheres ZnO (d), the nanorods-flowers ZnO (e) and the nanoplates-flowers ZnO (f).