

Supporting Informations

Effects of morphology, surface area, and defect content on the photocatalytic dye degradation performance of ZnO nanostructures

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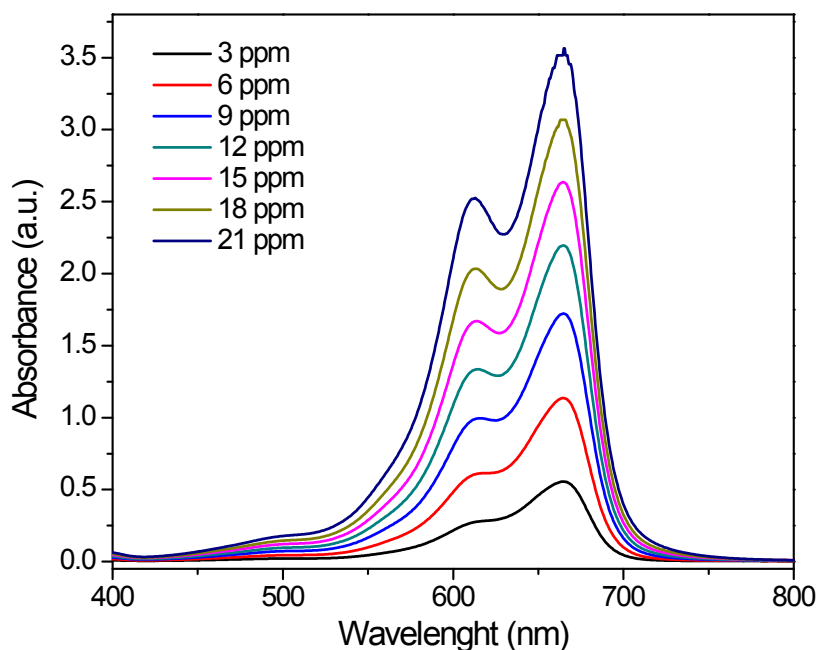


Figure S1 UV-Vis absorption spectra of MB solutions containing different MB contents utilized for preparing calibration curve.

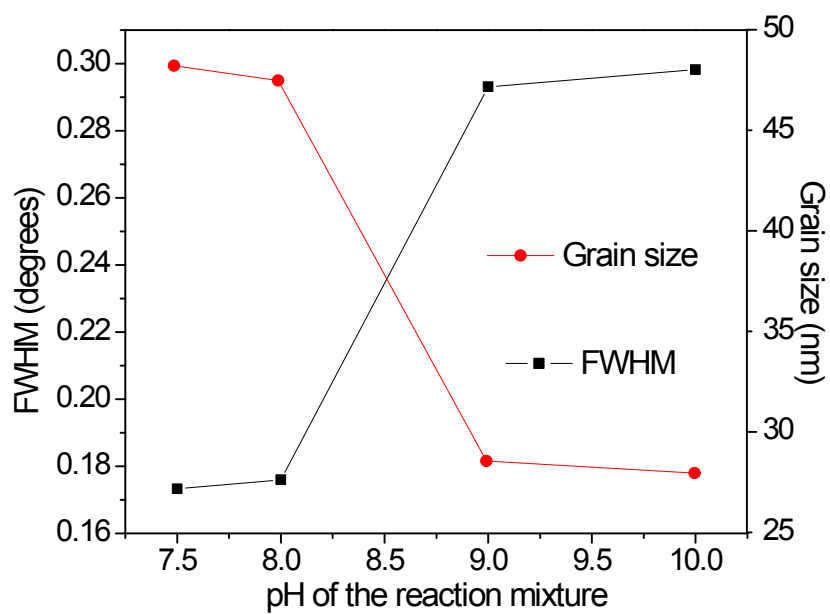


Figure S2 Variation of FWHM of the diffraction peak (101) and estimated average grain size of the as-grown ZnO nanostructures synthesized at different pH values of the reaction mixture.

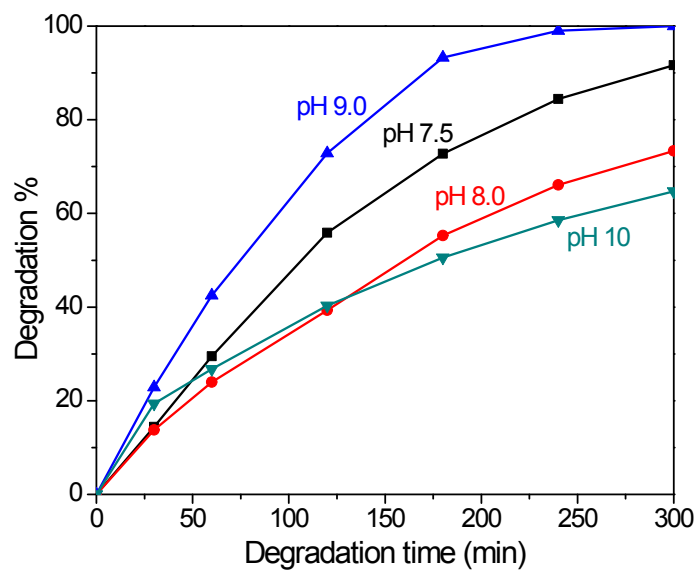


Figure S3. MB degradation efficiency of the as-grown ZnO nanostructures prepared at different pH values of the reaction mixture.

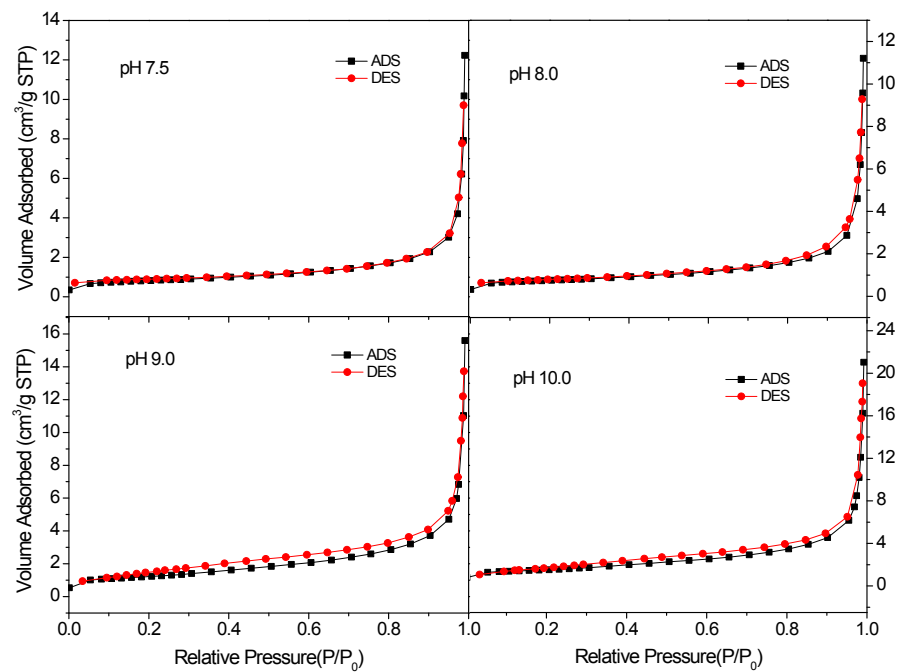


Figure S4 N₂ adsorption-desorption isotherms of the air-annealed (525 °C, 3 h) ZnO nanostructures grown at different pH values of the reaction mixture.