

Supplementary Information

Crystal plane effect on the peroxidase-like catalytic properties of Co_3O_4 nanomaterials

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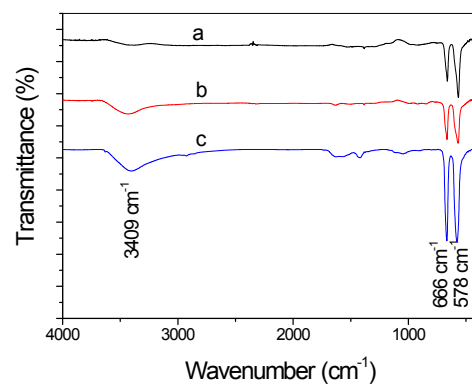


Fig. S1 FT-IR spectra of Co_3O_4 nanoplates (a), Co_3O_4 nanorods (b) and Co_3O_4 nanocubes (c).

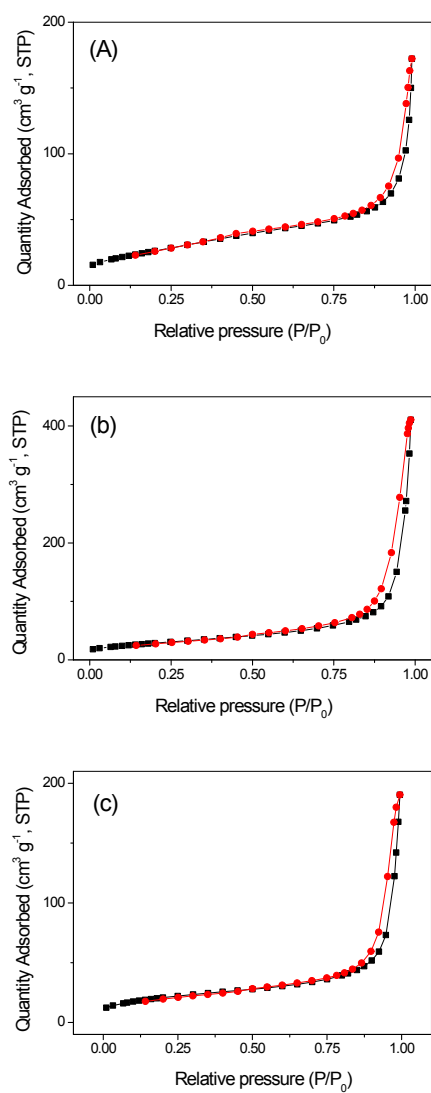


Fig. S2 N_2 adsorption/desorption isotherms of the Co_3O_4 nanoplates (a), nanorods (b) and nanocubes (c).

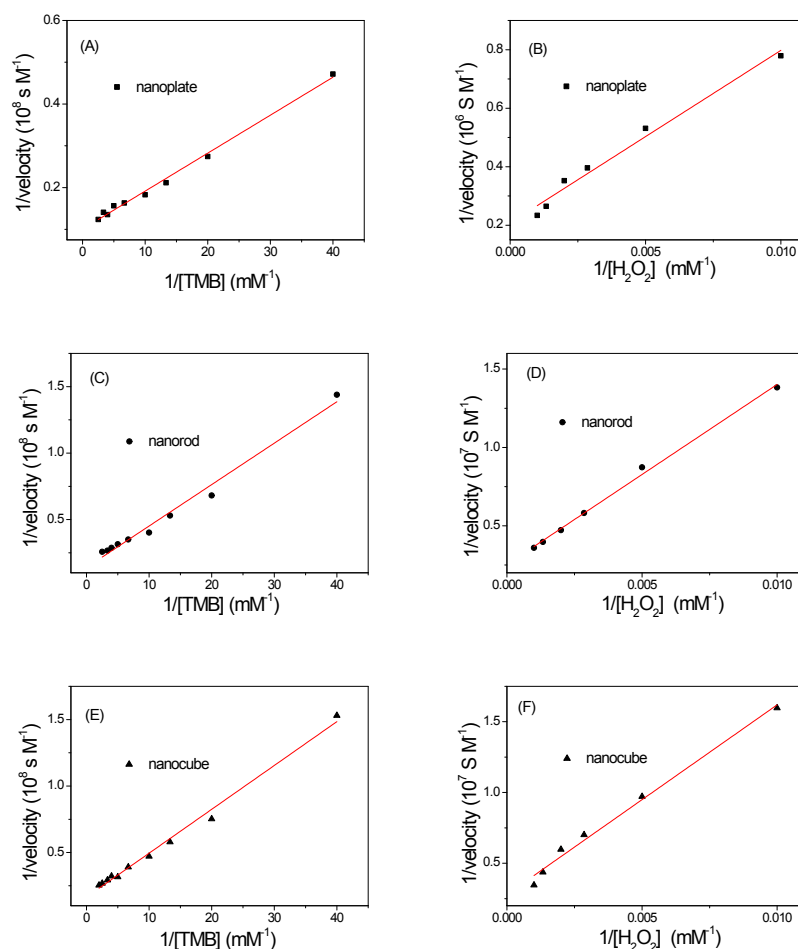


Fig. S3 Lineweaver-Burk linearization of Co_3O_4 nanomaterials at a fixed concentration of one substrate versus varying the second substrate for H_2O_2 and TMB. A, C and E: The concentration of H_2O_2 was 50 mM and the TMB concentration was varied. B, D and F: The concentration of TMB was 0.5 mM and the H_2O_2 concentration was varied.