

Supporting Information

Protein assisted hydrothermal synthesis of ultrafine magnetite nanoparticle built-porous oriented fibers and their structurally enhanced adsorption to toxic chemicals in solution

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Fig.S1 Chengliang Han, et al

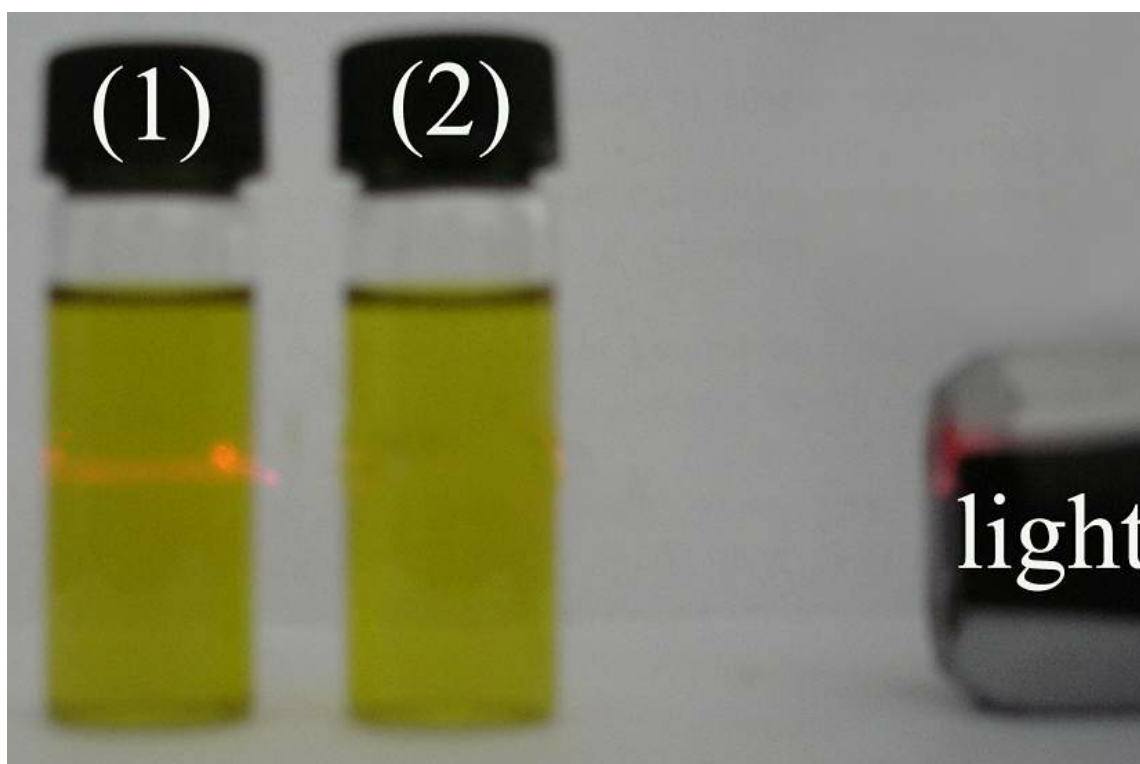


Figure S1. Photo of precursor solutions in bottle (1) with PR and bottle (2) without PR. One laser beam passes through two bottles from the right.

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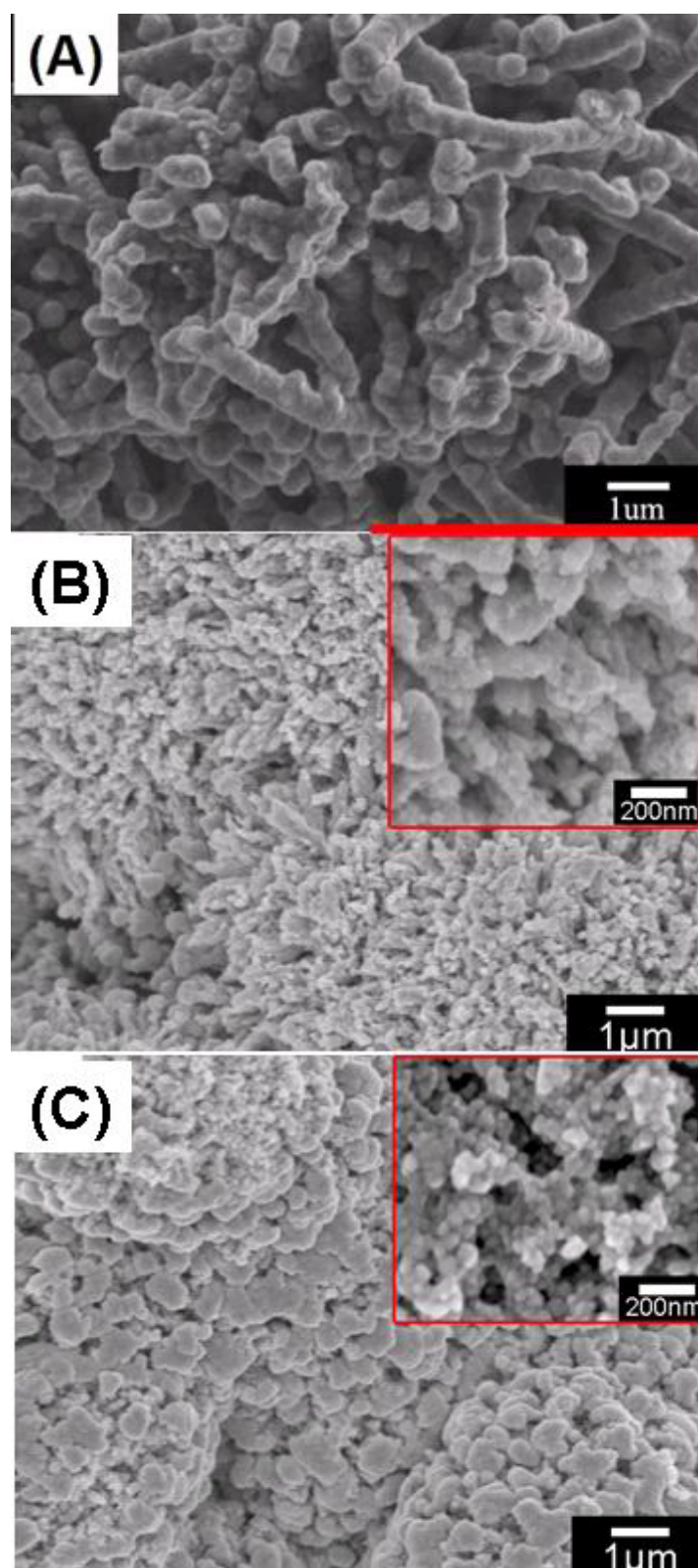


Figure S2. Morphological evolution of the magnetite with pH values in the precursor solution. (A): pH=4-5; (B): pH=9-10; (C): pH=11-12. The insets: the local magnified images.

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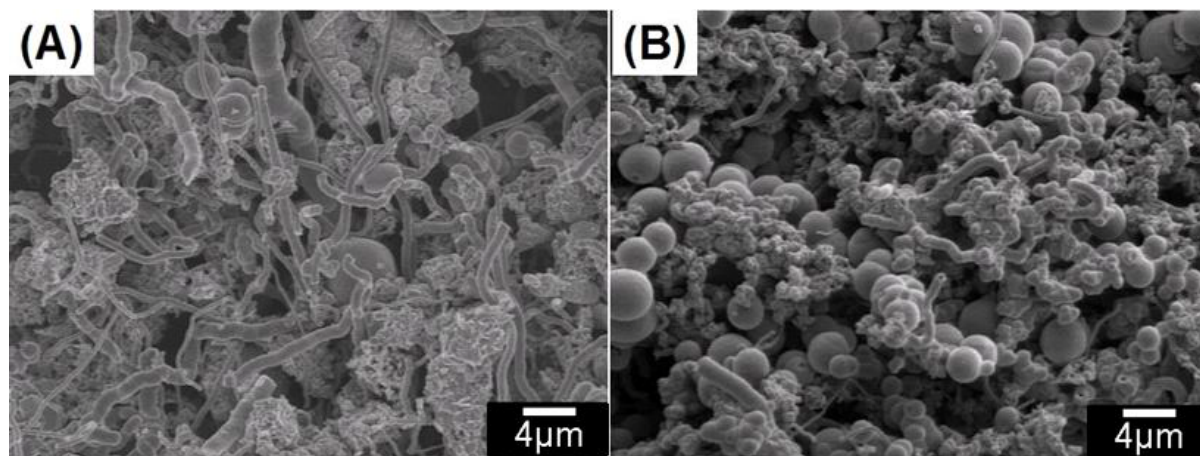


Figure S3. FESEM images of the as-prepared products obtained at different reaction temperatures for 24h. (A): 220°C, (B): 240°C (pH value in solution is 7-8)

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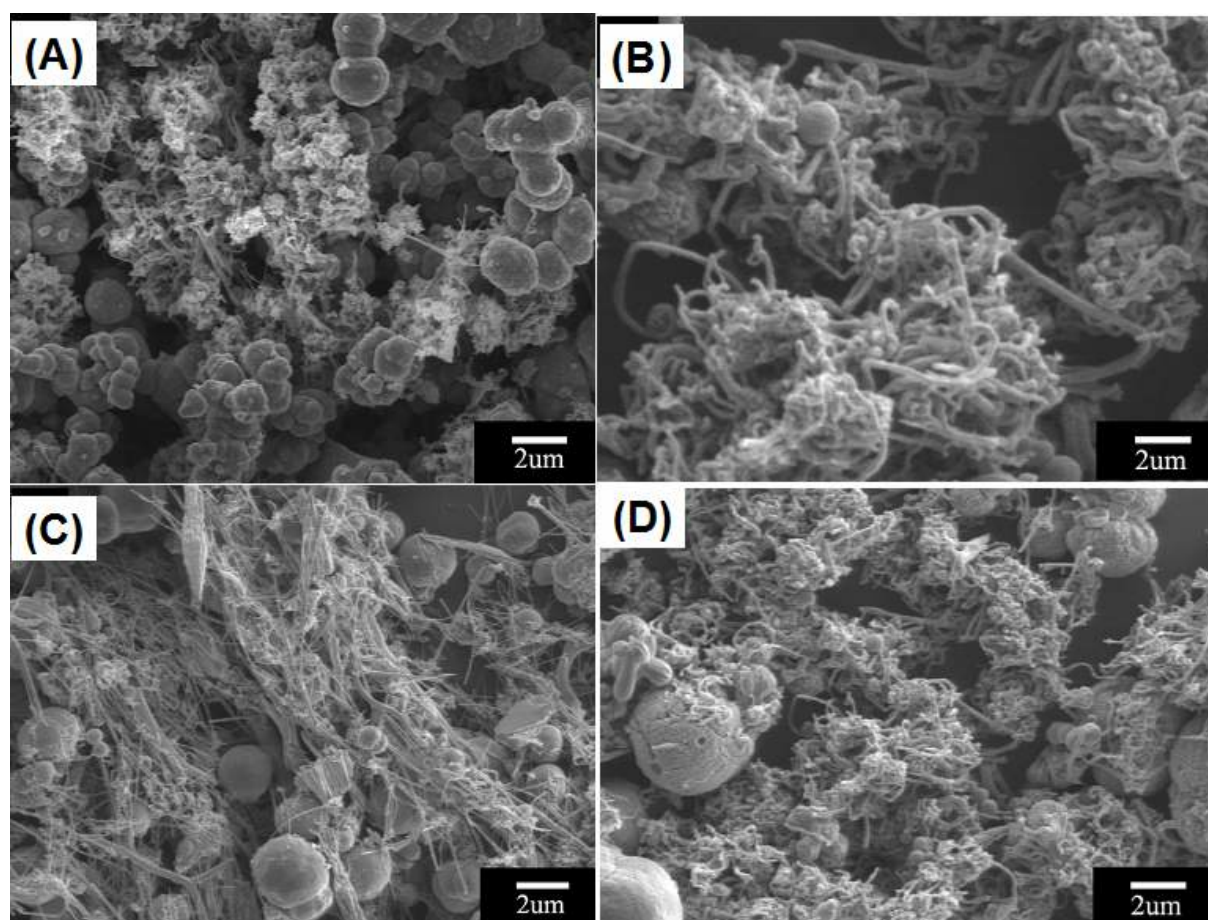


Figure S4. Product morphological evolution with the molar ratio of $\text{C}_6\text{H}_5\text{O}_7^{3-}$ to Fe^{3+} . (A): 0.5: 1, (B): 1: 1, (C): 4: 1, (D): 6: 1.