

Supporting Information

Formation of PANI Tower-shaped Hierarchical Nanostructures by a Limited Hydrothermal

Reaction

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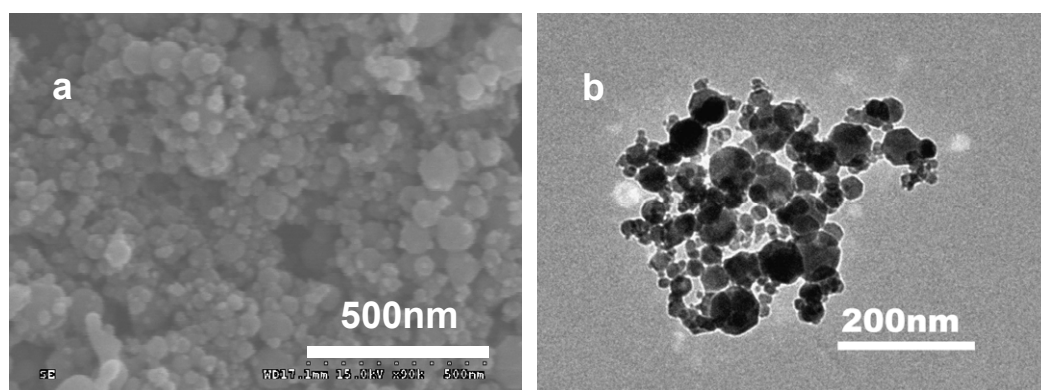


Fig. S1 a) SEM image of $\gamma\text{-Fe}_2\text{O}_3$; b) TEM image of $\gamma\text{-Fe}_2\text{O}_3$.



Fig. S2 Photo image of a) $\gamma\text{-Fe}_2\text{O}_3$ nanoparticles dispersed in water; b) PANI as-prepared suspended in water.



Fig. S3 Photo images of the solution during the different times kept at 100 °C. 1h; 2h; 4h; 6h; 8h.

The solution is prepared by mixing 0.016 g of γ -Fe₂O₃ nanoparticles with 8 mL of 0.36 M H₂SO₄.