

Supporting Information for
Magnetically Separable ZnFe_2O_4 , $\text{Fe}_2\text{O}_3/\text{ZnFe}_2\text{O}_4$ and $\text{ZnO}/\text{ZnFe}_2\text{O}_4$
Hollow Nanospheres with Enhanced Visible Photocatalytic Property

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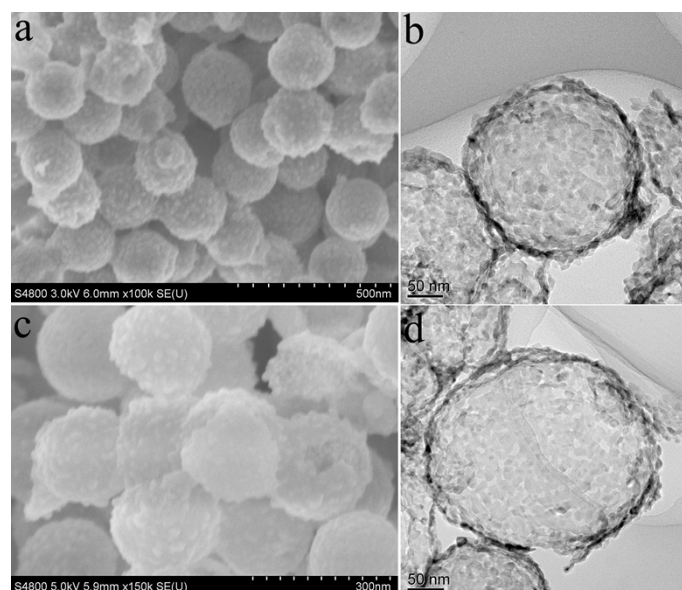


Figure S1. SEM and TEM images of $\text{ZnO}/\text{ZnFe}_2\text{O}_4$ (a, b) and $\text{Fe}_2\text{O}_3/\text{ZnFe}_2\text{O}_4$ (c, d) hollow nanospheres.

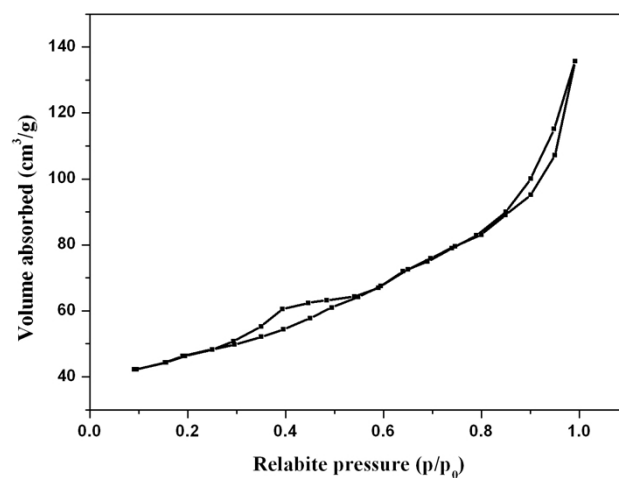


Figure S2. Nitrogen adsorption-desorption isotherms for the ZnFe_2O_4 hollow nanospheres.

Table S1. The BET specific surface area of the samples.

Samples	ZnFe ₂ O ₄ (S1)	ZnO/ZnFe ₂ O ₄ (S2)	Fe ₂ O ₃ /ZnFe ₂ O ₄ (S3)	bulk ZnFe ₂ O ₄ (S4)
BET specific surface area (m ² /g)	95.8	98.2	96.6	13.5

Figure S2. show the nitrogen adsorption-desorption isotherms of the ZnO/ZnFe₂O₄ hollow nanospheres. The Brunauer-Emmett-Teller (BET) specific surface area of all samples was presented in the Table S1.