

Electronic Supplementary Information (ESI):

Synthesis and Magnetic Properties of Crystalline Mesoporous

CoFe₂O₄ with Large Specific Surface Area

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Figures:

Figure S1. The wide-angle XRD patterns of the samples prepared by one-time impregnation (a)

CoFe₂O₄-SBA-1; (b) CoFe₂O₄-KIT-1; (c) CoFe₂O₄-standard line-graph (22-1086)

Figure S2. The low-angle XRD patterns of (a) SBA-15; (b) KIT-6

Figure S3. Nitrogen adsorption-desorption isotherms measured at 78K: (a) SBA-15; (b) KIT-6

Figure S4. TEM images of (a) CoFe₂O₄-SBA-2; (b) CoFe₂O₄-KIT-2; (c) CoFe₂O₄-SBA-1; (d)

CoFe₂O₄-KIT-1. “1” and “2” stand for the number of impregnation times.

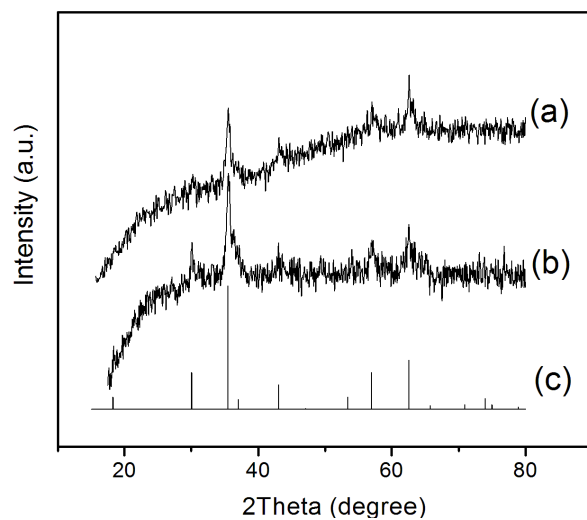


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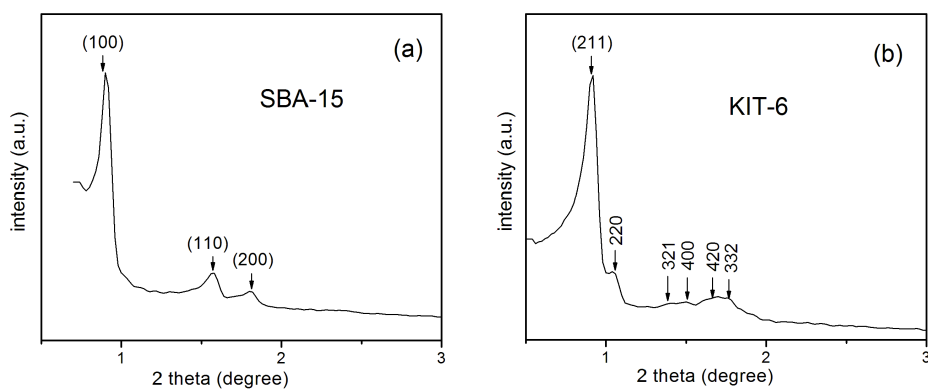


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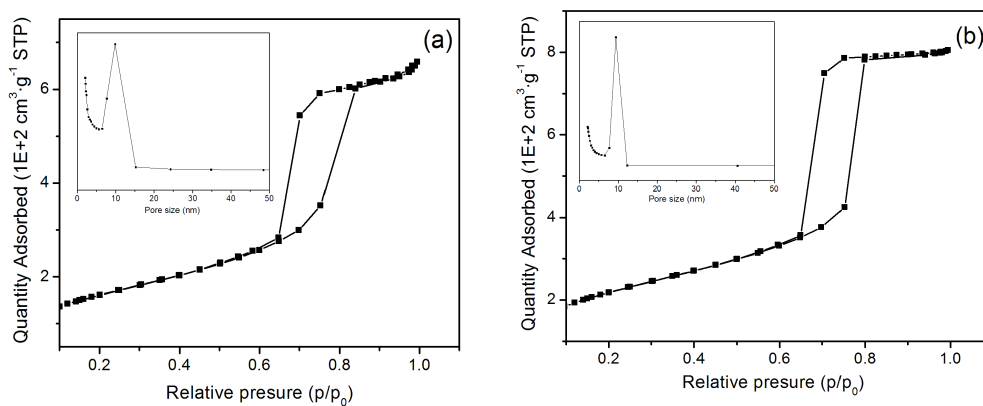


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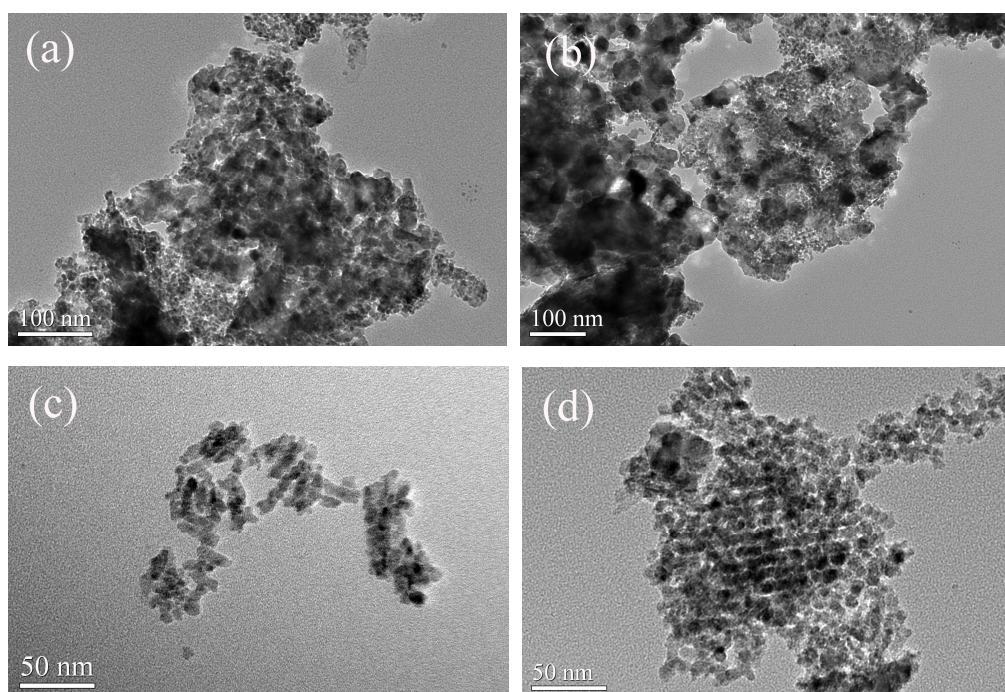


Figure S4. TEM images of (a) CoFe_2O_4 -SBA-2; (b) CoFe_2O_4 -KIT-2; (c) CoFe_2O_4 -SBA-1; (d) CoFe_2O_4 -KIT-1. “1” and “2” stand for the number of impregnation times.