Supplementary information (ESI) for Journal of Materials Chemistry

Hybridization of graphene sheets and carbon-coated Fe_3O_4 nanoparticles as synergistic adsorbent of organic dyes †

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Electronic Supplementary Information

Figure S1. TEM images of Fe_3O_4@carbon sample.

Figure S2. TEM images of GFC190 hybrids prepared with different concentrations of graphene/Fe_3O_4 hybrids in glucose solution. (a) 1.25 mg/mL; (b) 5 mg/mL.

Figure S3. TGA curves of GO, SSG, Fe_3O_4, graphene/Fe_3O_4 and GFC190 hybrids. The experiments were performed under air flow from 100 to 800°C at a heating rate of 10°C/min.

Figure S4. N_2 adsorption/desorption isotherms of GFC10, GFC100, GFC190 and GFC380 hybrids.

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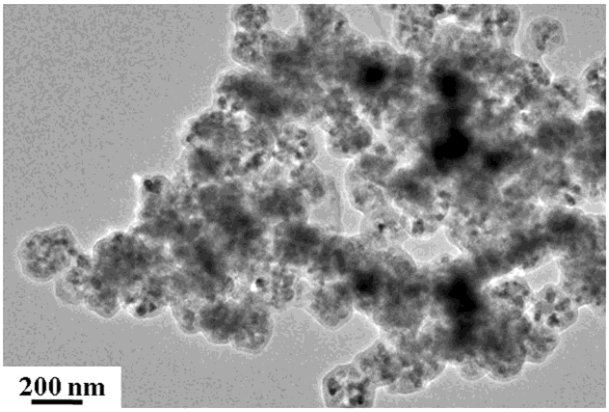

Figure S1

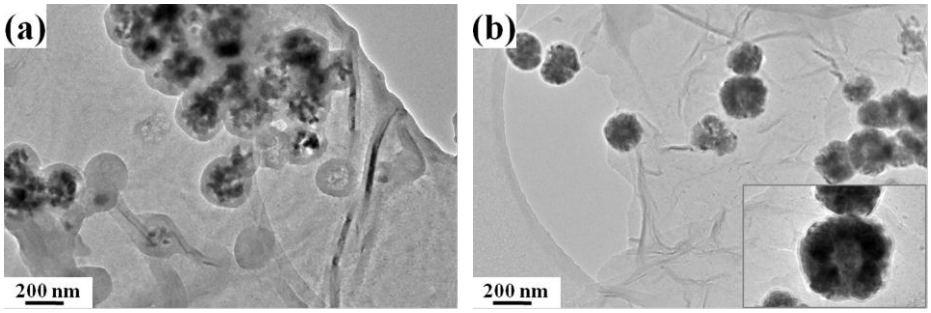

Figure S2

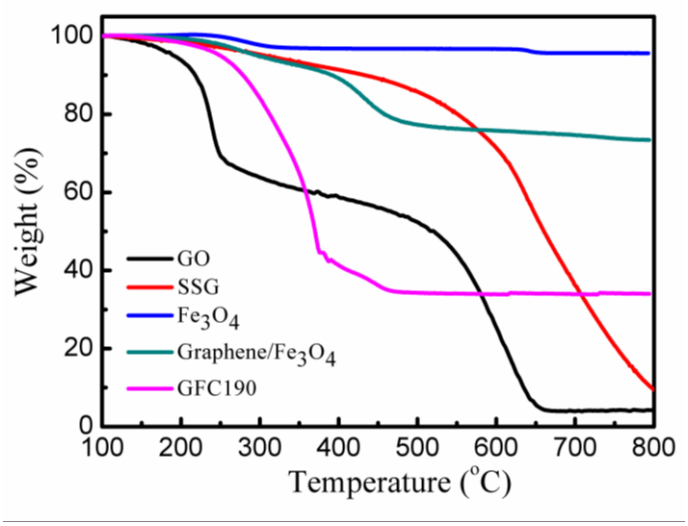

Figure S3

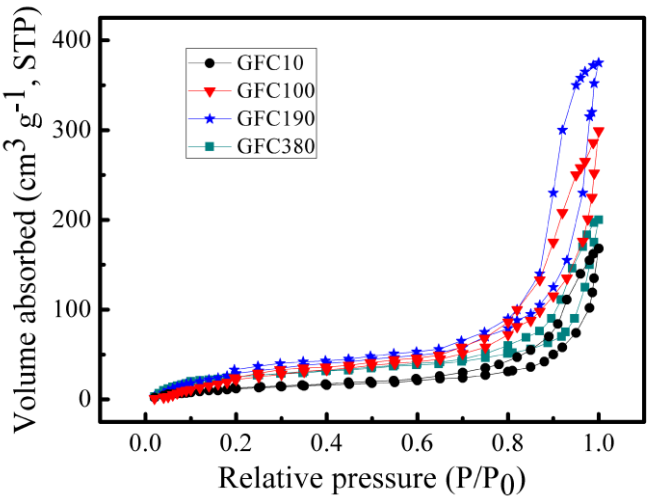

Figure S4