

Electronic Supplementary Information for:

Fabrication of magnetic core-shell nanocomposites with superior performance for water treatment

Shengtao Xing, Dongyuan Zhao, Wenjuan Yang, Zichuan Ma*, Yinsu Wu, Yuanzhe

Gao, Weirong Chen and Jiao Han

College of Chemistry and Material Sciences, Hebei Normal University, Shijiazhuang

050024, PR China

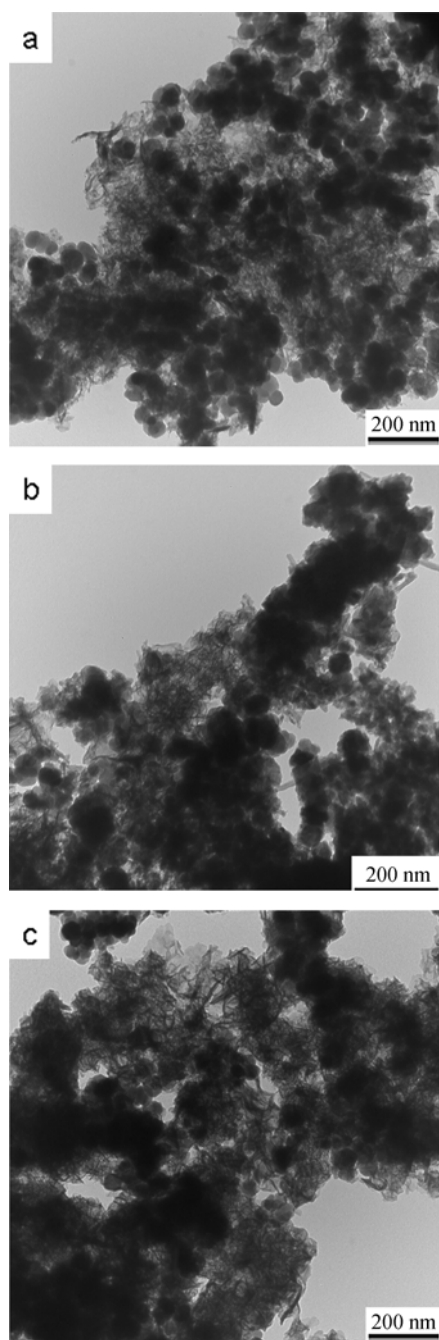


Fig. S1 Low-magnification TEM images of (a) FC, (b) FM, and (c) FCM.

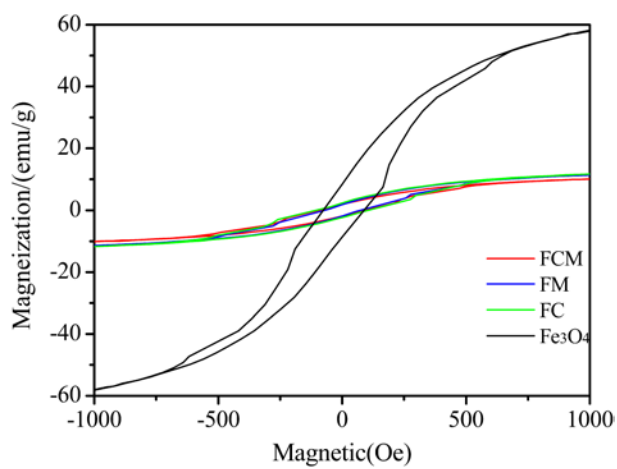


Fig. S2 Room-temperature magnetization loops of different samples.

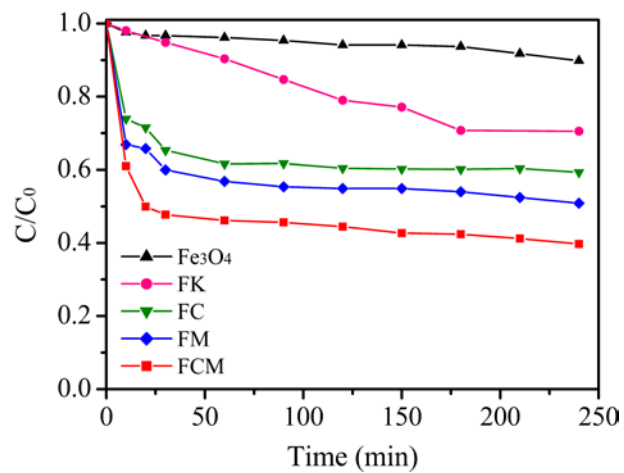


Fig. S3 Adsorption kinetics of MB on different materials at pH 6.5.

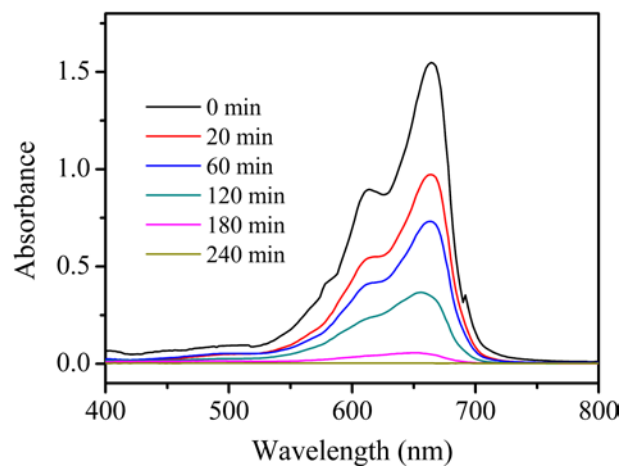


Fig. S4 Visible absorption spectra of the (MB + H₂O₂ + FCM) solution at pH 6.5 as a function of time.

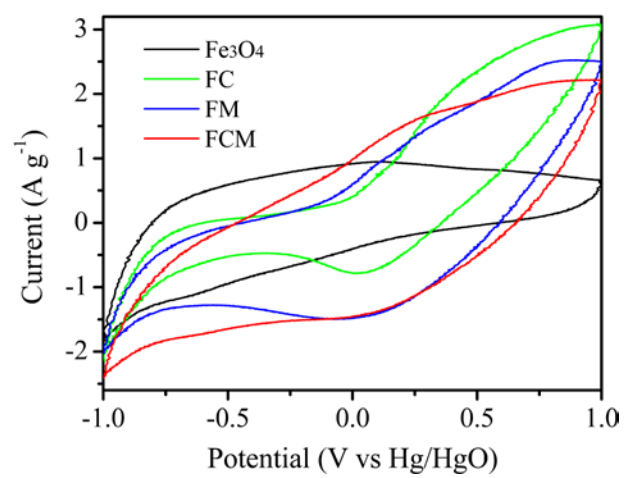


Fig. S5 Cyclic voltammograms of different samples.