SUPPORTING INFORMATION

Chain-like Fe_3O_4@Resorcinol-Formaldehyde resins-Ag composite microstructures: Facile construction and applications in antibacterial and catalytic Fields

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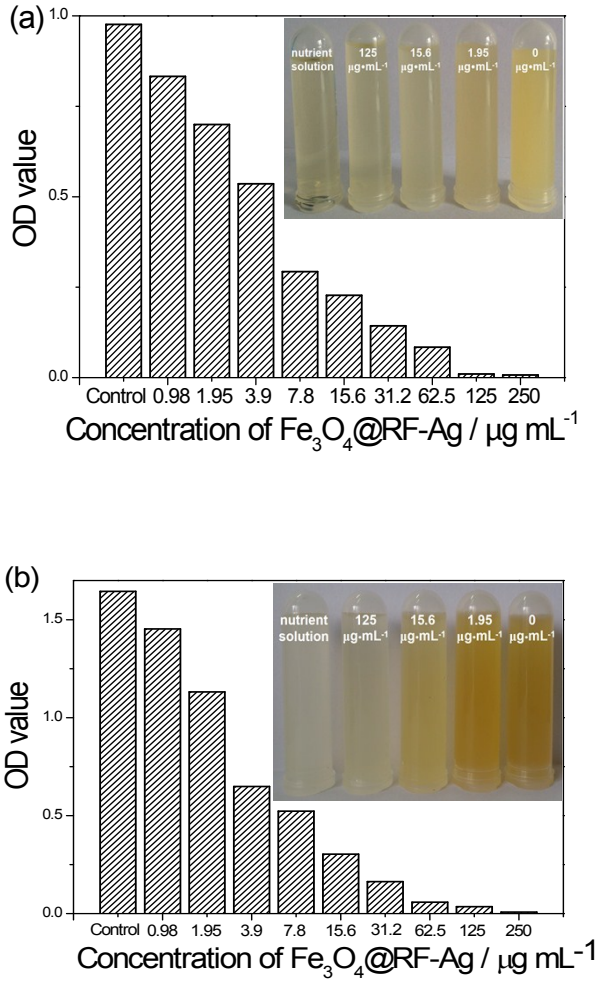

Figure S1. The concentration influence of chain-like Fe_3O_4@RF-2 microstructures on the propagation of bacteria after incubation at 37 °C for 24 h: (a) *S. Aureus* and (b) *E. coli*.

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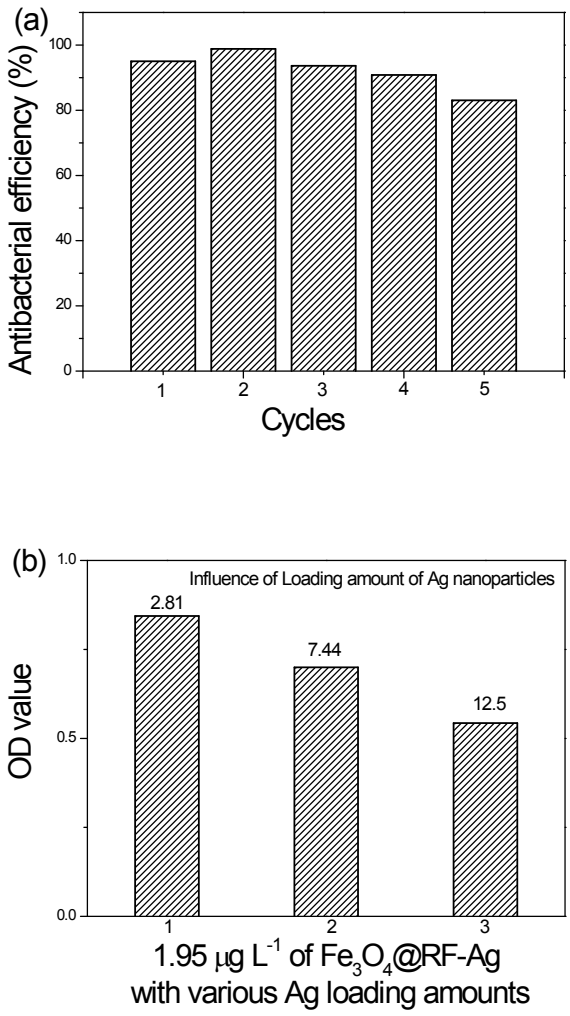


Figure S2. (a) The correlation between the antibacterial efficiency of chain-like Fe_3O_4@RF-2 microstructures to *S. Aureus* and the regeneration cycle. (b) The influence of the loading amount of Ag nanoparticles on the propagation of *S. Aureus*.

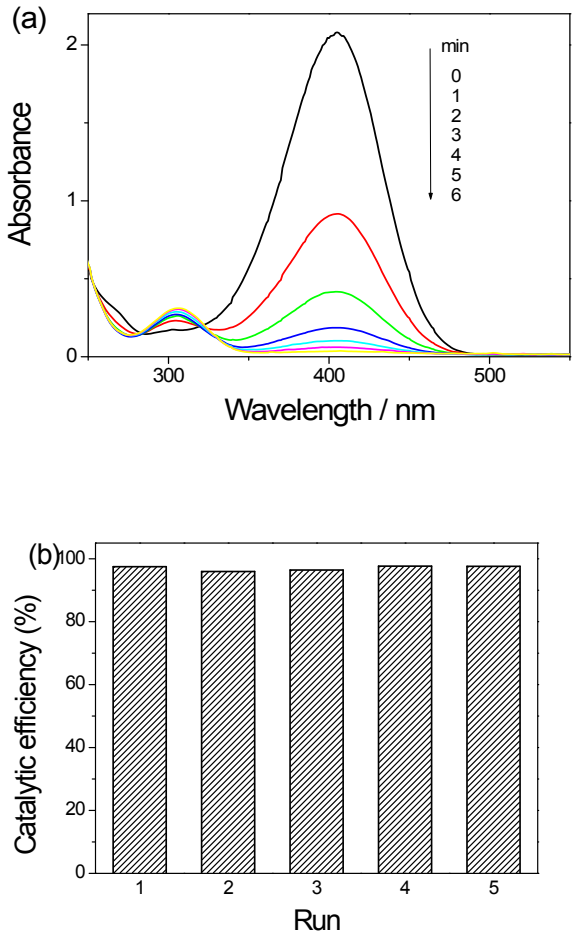
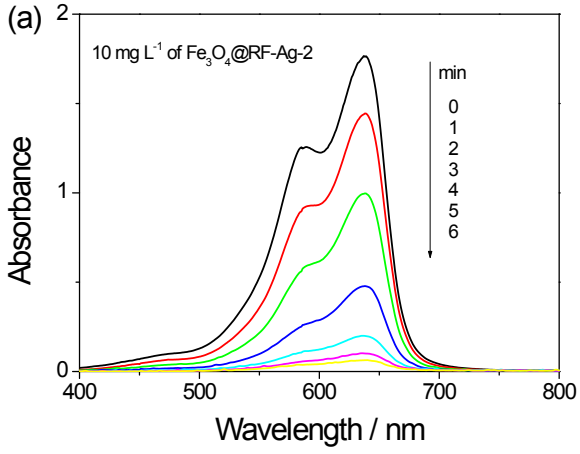


Figure S3. (a) UV-Vis absorption spectra of the 4-NP-$NaBH_4$ system in the presence of 10 mg L^{-1} Fe_3O_4@ RF-Ag-2 for various durations. (b) The correlation between the catalytic efficiency of Fe_3O_4@ RF-Ag-2 and recycling times.



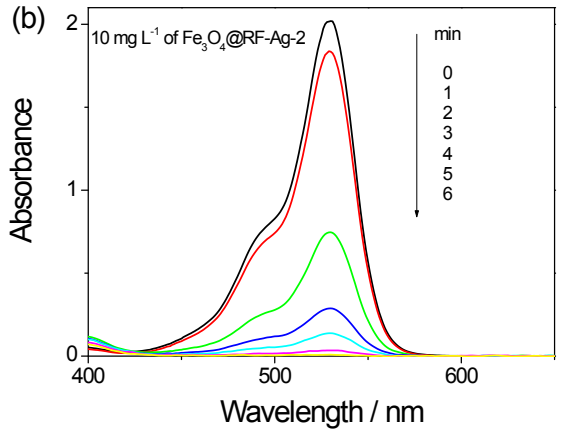


Figure S4. UV-Vis absorption spectra of the dye-$NaBH_4$ system in the presence of 10 mg L^{-1} Fe_3O_4@ RF-Ag-2 for various durations: (a) MB and (b) RdB.