Supporting Information

Silver-Coated Magnetite/Carbon Core/Shell Microspheres as Substrate-Enhanced SERS Probes for Detection of Trace Persistent Organic Pollutants

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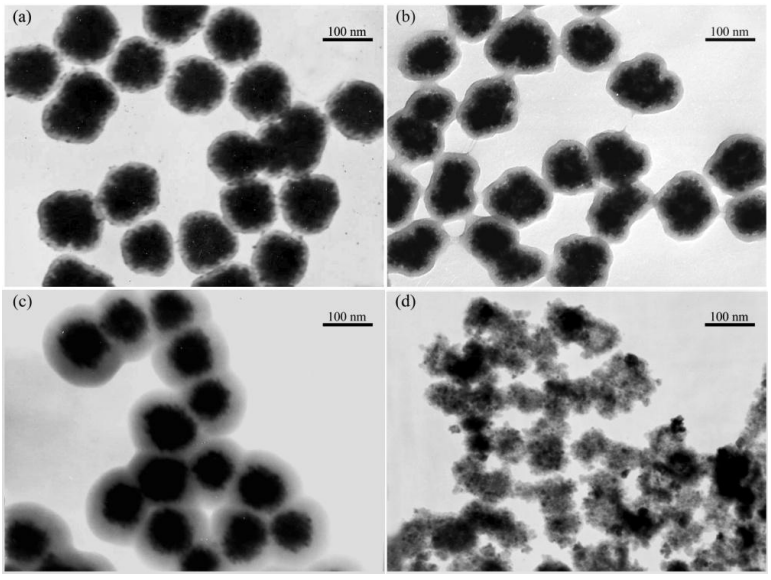

Figure S1. TEM images of Fe_3O_4@carbon composite microspheres synthesized with various amounts of hydrogen peroxide: (a) 1.5, (b) 2.0, (c) 2.5, and (d) 3.0 mL. All scale bars in TEM are 100 nm.

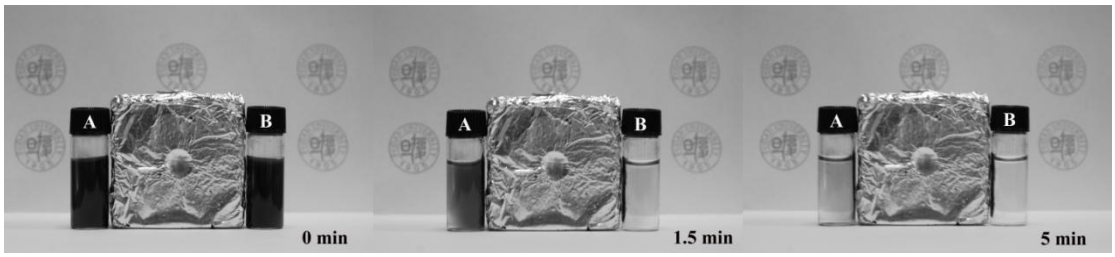

Figure S2. Separation behaviors of the two Fe_3O_4@carbon composite microspheres to the applied magnetic field (the magnetic field strength of the magnet is 2000 G).

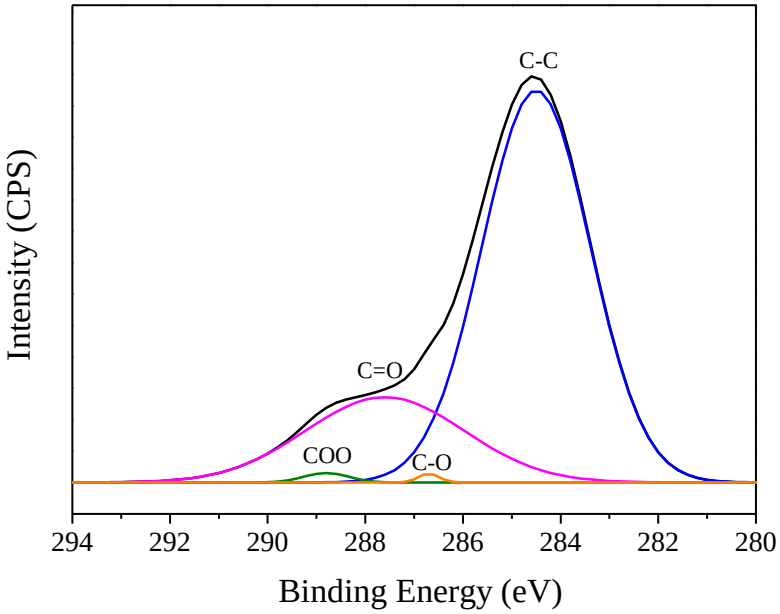

Figure S3. C 1s XPS spectrum of Fe_3O_4@cabon composite microspheres.