

Supporting Information

Self-assembly of TiO₂ Composite Microspheres: Facile Synthesis, Characterization and Photocatalytic Activities

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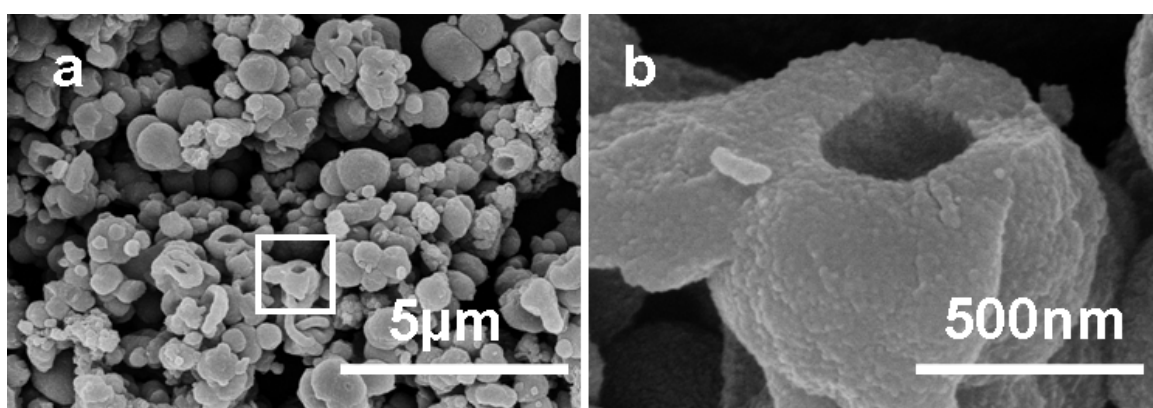


Fig. S1. (a,b) FESEM images of the as-prepared TiO₂ /SiO₂ composite microspheres after calcination at 500 °C for 2 h.

Fig. S1 show the FESEM images of the as-prepared TiO₂ /SiO₂ microspheres after calcination at 500 °C for 2 h, in which hollow microspheres have been observed and the structure of the formed microspheres collapses due to the decomposition of the siloxane polymers adsorbed on the surface of TiO₂ nanoparticles to get SiO₂ by releasing CO₂ while these TiO₂ nanoparticles aggregate with each other to form hollow microstructures.

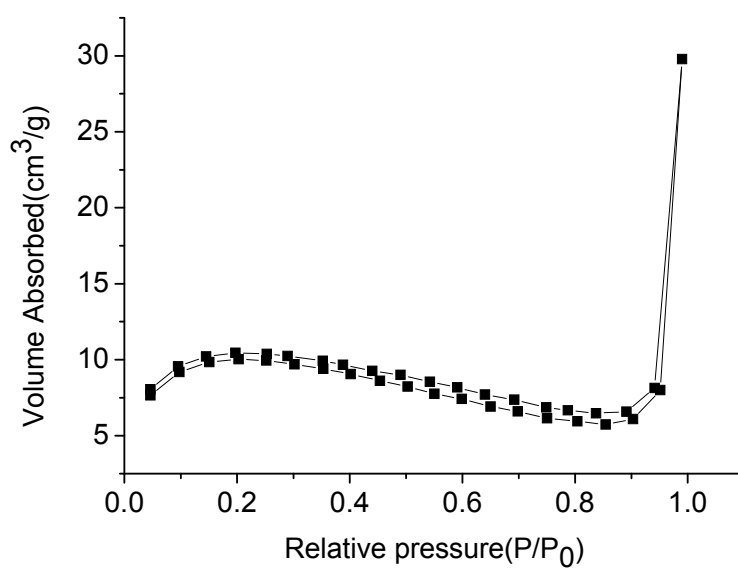


Fig. S2. N₂ adsorption-desorption isotherm of the sample obtained after calcination of the product shown in Figure 1 with 500 °C for 2 h.