Supporting Information

Magnetic Conducting Polymer/Mesoporous SiO_2 Yolk/Shell Nanomaterials: Multifunctional Nanocarriers for Controlled Release of Doxorubicin

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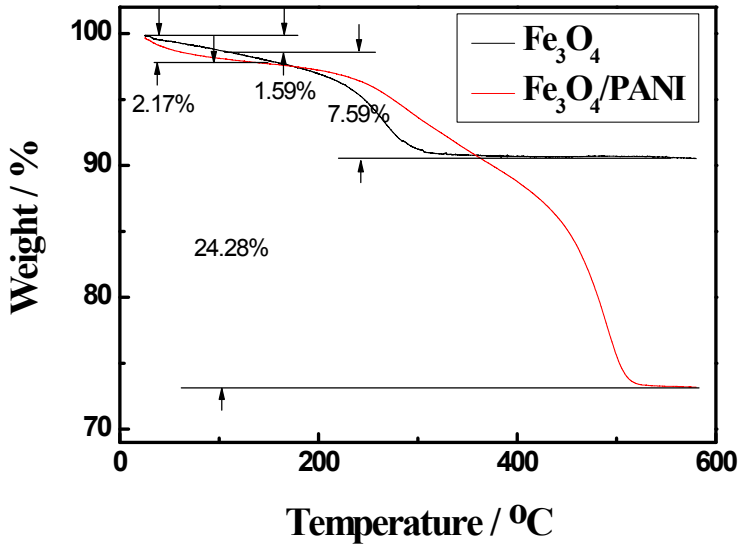

Figure S1. TG curves of PVP-modified Fe_3O_4 and Fe_3O_4/PANI core/shell spheres. The first step loss is attributed to the loss of water or solvent, and the second step loss results from the degradation and decomposition of the polymer backbone. The PVP amount in Fe_3O_4 is calculated to be 7.7%. Considering no weight loss during the coating process of PANI on surfaces of Fe_3O_4, the PANI amount in Fe_3O_4/PANI core/shell spheres is calculated to be 18.4%.

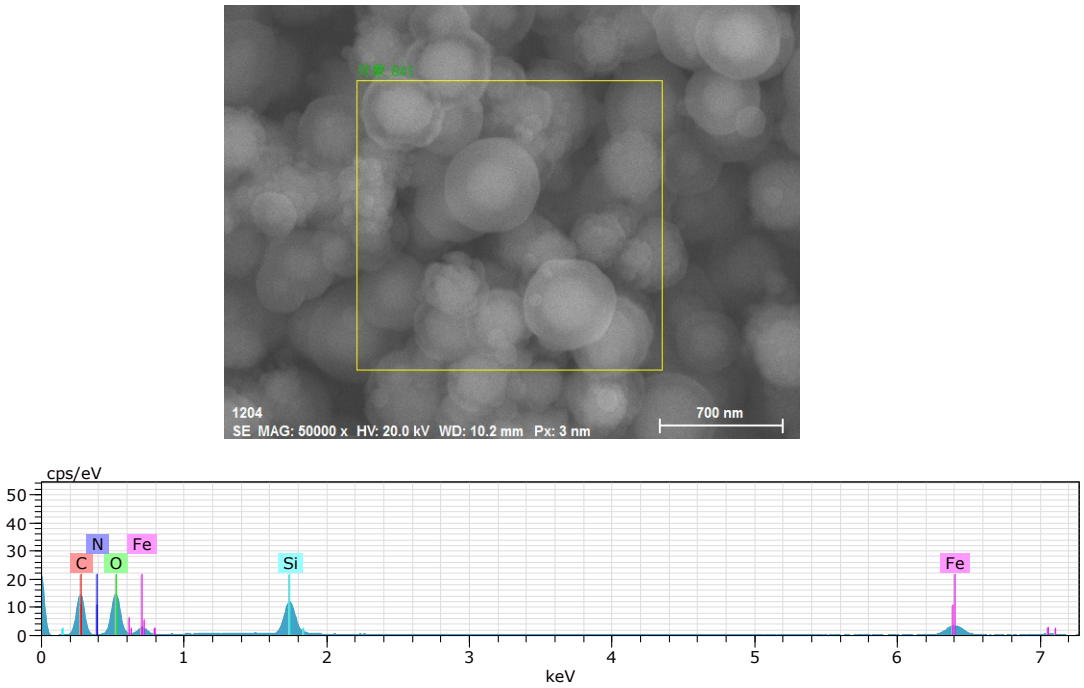

Figure S2. SEM image and EDS analysis of Fe_3O_4/PANI/SiO_2/mesoporous SiO_2 core/shell spheres.