Electronic Supplementary Material (ESI) for New Journal of Chemistry

Supporting Information

Magnetically Separable Iron Oxide Nanostructures-TiO_2 Nanofibers Hierarchical Heterostructures: Controlled Fabrication and Photocatalytic Activity

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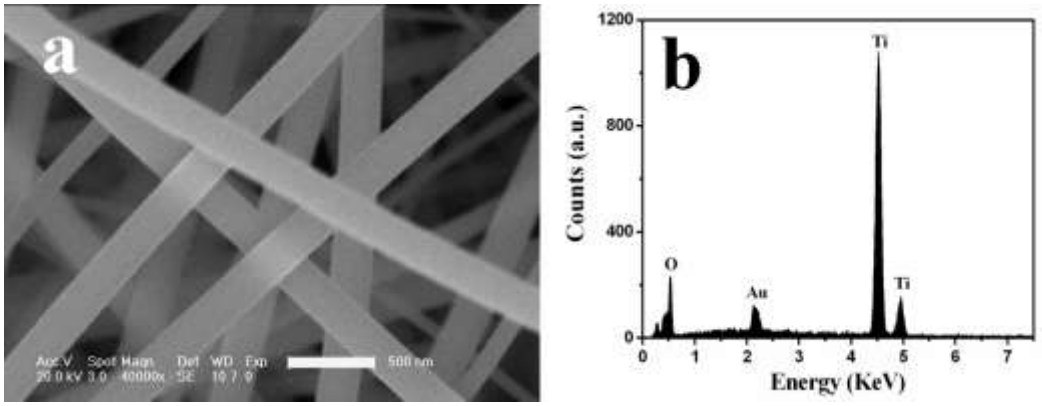

Figure S1. FESEM image of pure TiO_2 nanofibers (a) and EDX spectra of pure TiO_2 nanofibers (b).

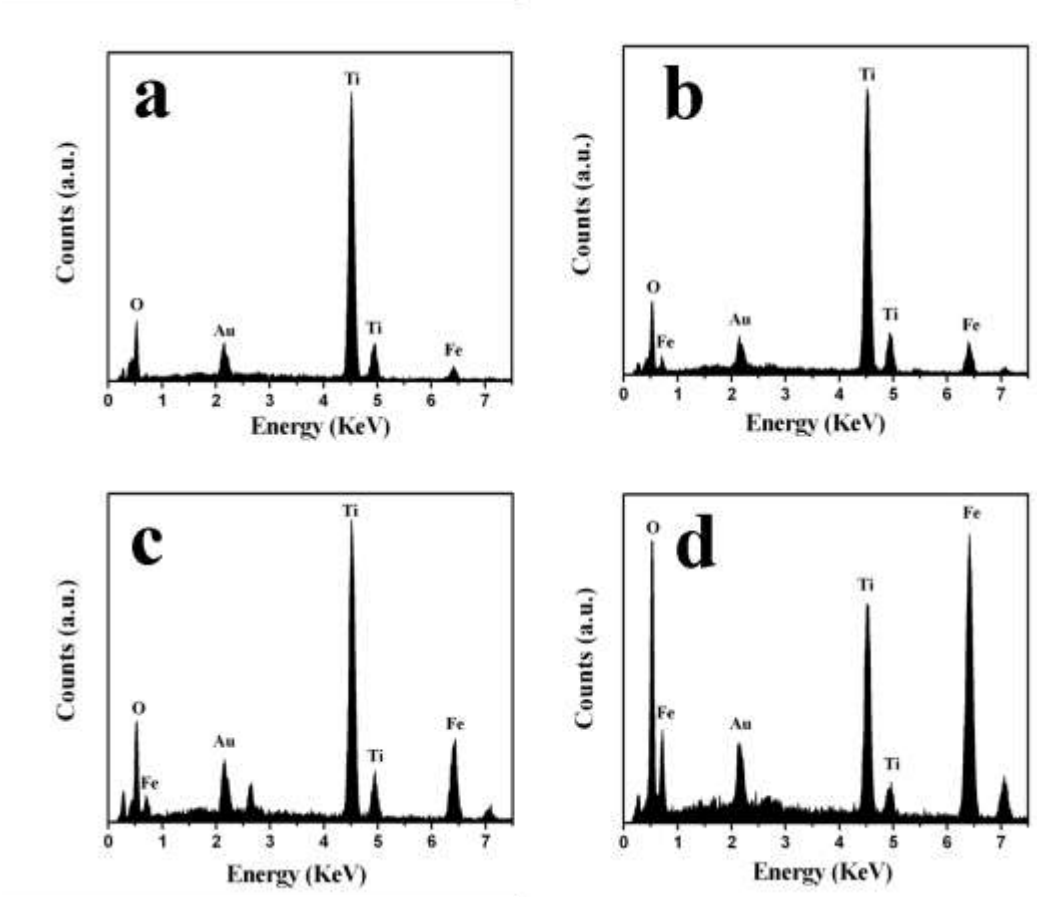

Figure S2. EDX spectra of α-Fe_2O_3/TiO_2 hierarchical heterostructures a_1 (a), a_2 (b), a_3 (c) and a_4 (d).

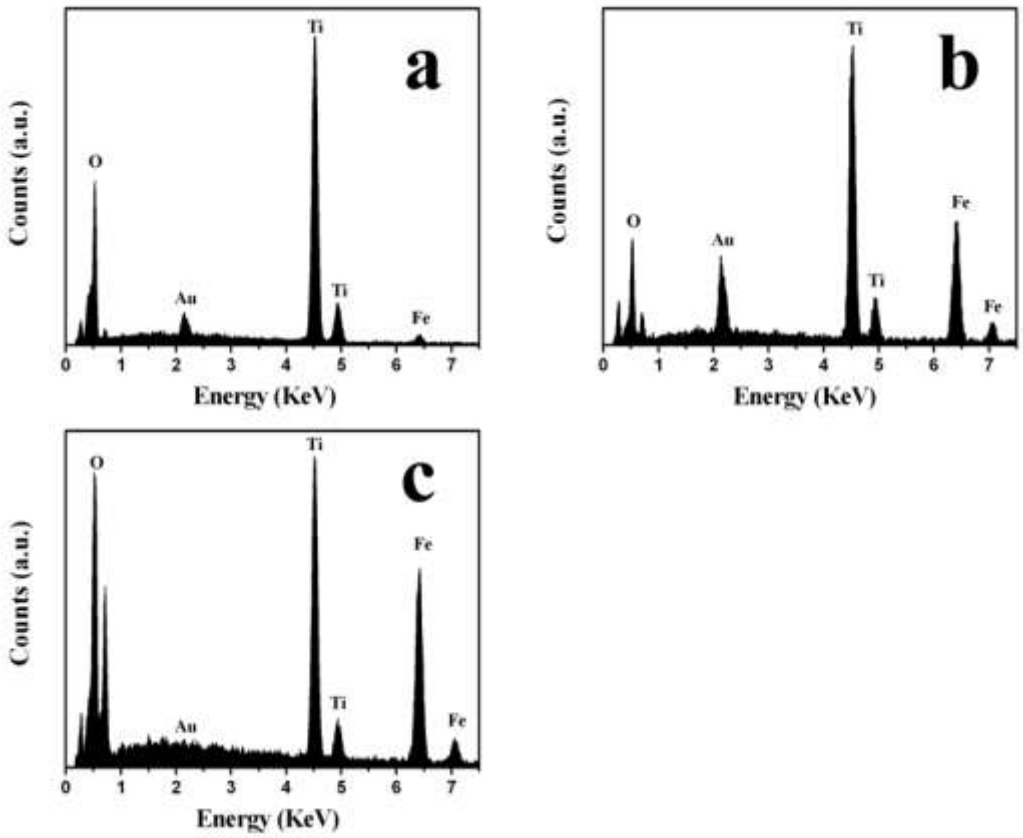

Figure S3. EDX spectra of Fe_3O_4/TiO_2 hierarchical heterostructures b_1 (a), b_2 (b) and b_3 (c).

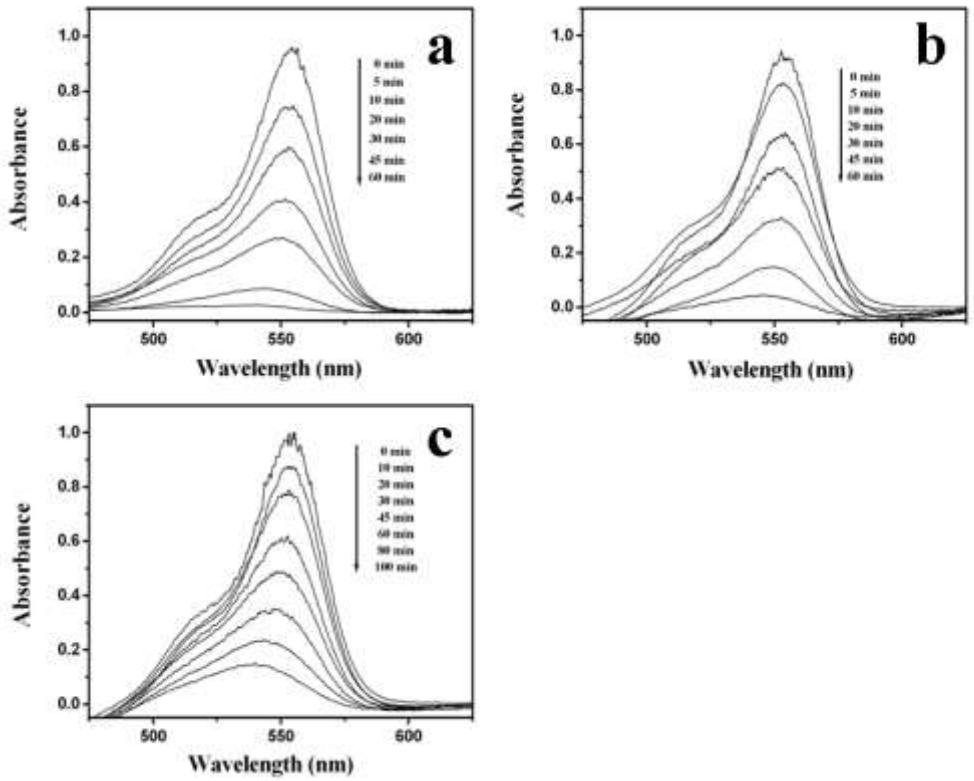

Figure S4. UV-vis spectral changes of RhB aqueous solution in the presence of pure TiO_2 nanofibers, α-Fe_2O_3/TiO_2 hierarchical heterostructures a_1 and Fe_3O_4/TiO_2 hierarchical heterostructures b_1.