

Electronic Supplementary Information For

**Multifunctional MnO₂-Nanosheet-Modified Fe₃O₄@SiO₂/NaYF₄: Yb,
Er Nanocomposites as Novel Drug Carriers**

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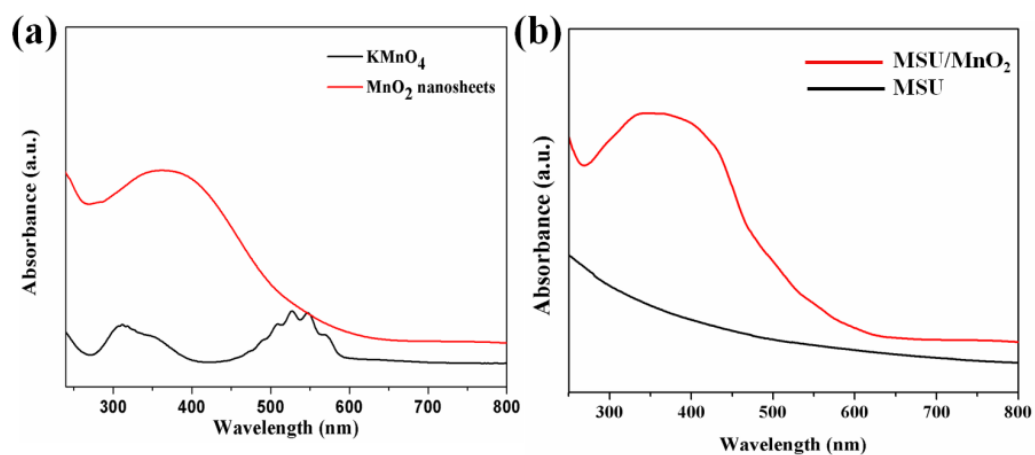


Figure S1 UV-vis absorption spectra of aqueous solutions of (a) KMnO_4 and MnO_2 nanosheets, (b) MSU composites and MSU/ MnO_2 nanocomposites.

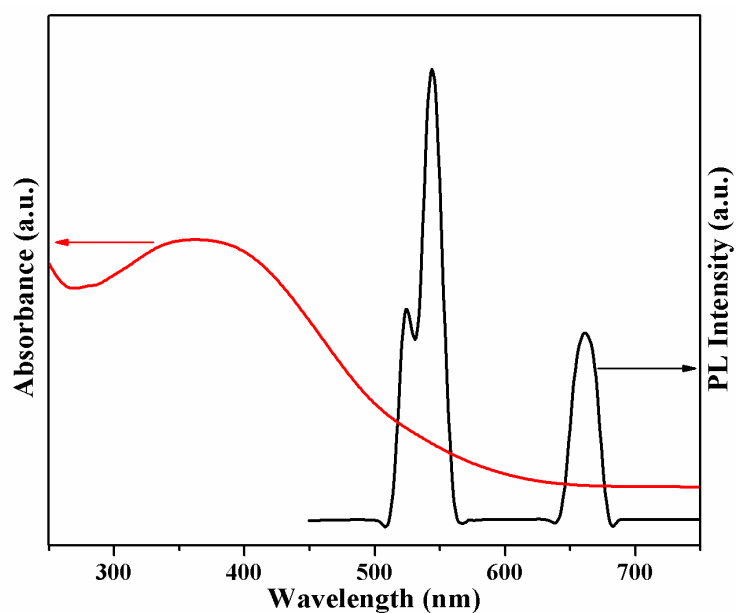


Figure S2 Absorption spectrum (red line) of MnO_2 nanosheets showing the spectral overlapping with the emission spectrum (black line) of the MSU nanocomposites excited at 980 nm.

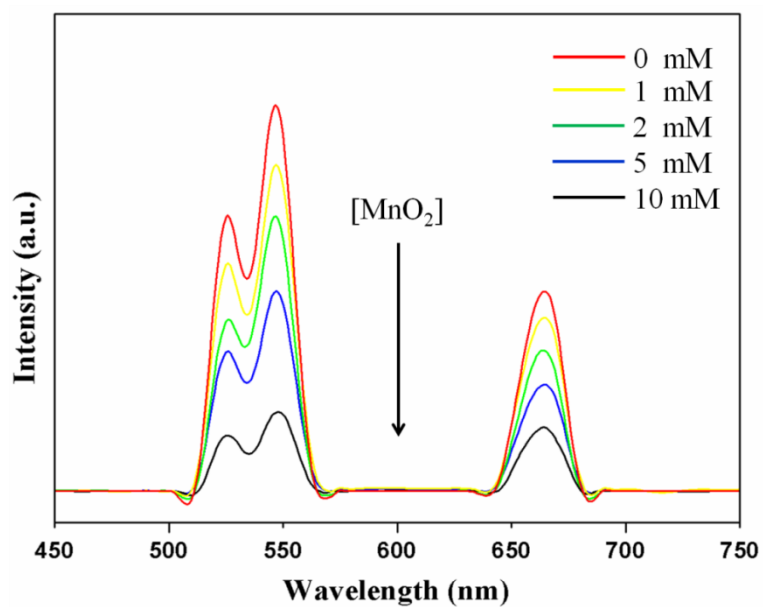


Figure S3 Upconversion emission spectra of MSU modified with MnO₂ nanosheets at different concentrations. The concentrations of MSU fixed at 1mM.