Preparation of Fe$_3$O$_4$-Au–GO Nanocomposite for Simultaneous Treatment of Oil/Water Separation and Dye Decomposition

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Figure S1 (A) XRD pattern and (B) Raman spectra of GO (Dark) and Fe$_3$O$_4$-Au-GO nanocomposite (Red)
Figure S2: High-resolution XPS C 1s spectra of (A) GO, (B) Fe₃O₄-Au-GO and (C); high-resolution XPS Au 4f (D) Fe 2p spectrum of Fe₃O₄-Au-GO, the inset is XPS spectra of Fe₃O₄-Au-GO nanocomposite.
Figure S3 The relationship of assembly volume with time in the reaction