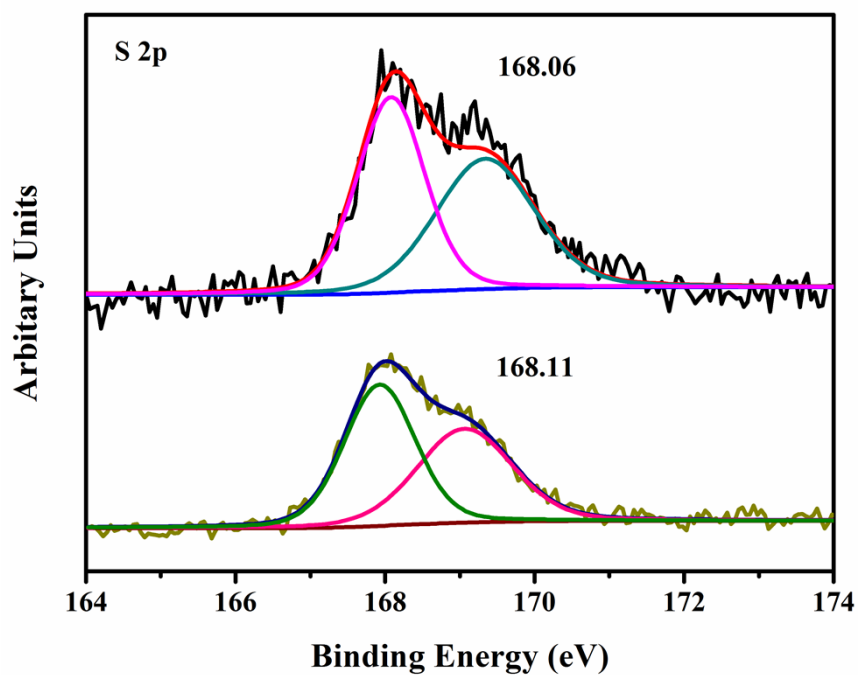


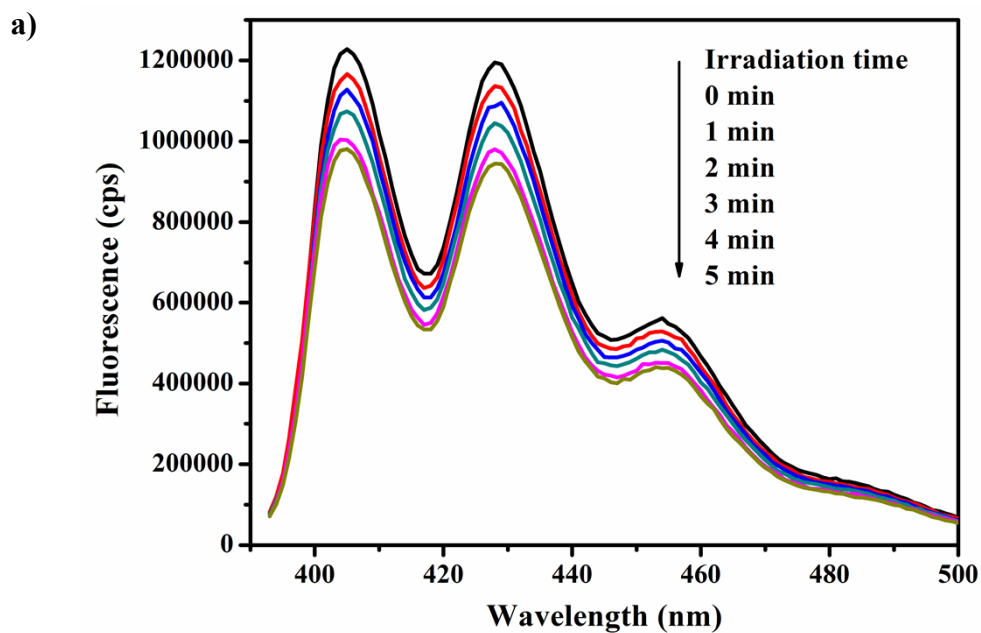
# **Graphene loading water-soluble phthalocyanine for dual-modality photothermal/photodynamic therapy via a one-step method**

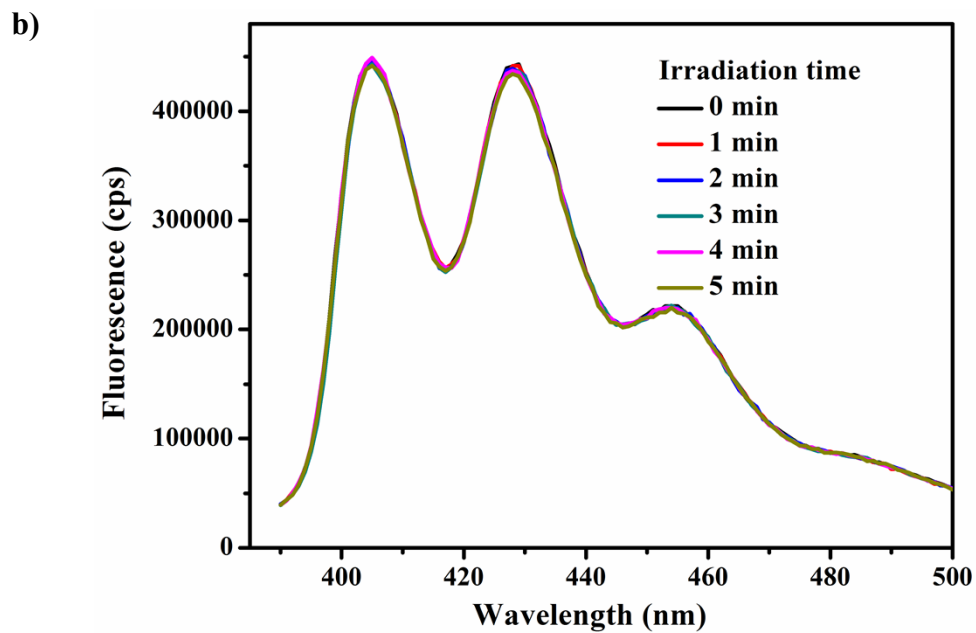
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**Fig. S1.** High resolution S 2p spectra. The upper spectra belong to TSCuPc complex and the lower to GR-TSCuPc.





**Fig. S2.** Fluorescence spectra of the mixtures of (a) free TSCuPc with ADPA and (b) GR-TSCuPc with ADPA after irradiation at 650 nm for 0, 1, 2, 3, 4, 5 min.  $\lambda_{\text{exc}}=376$  nm.