

Supporting Information

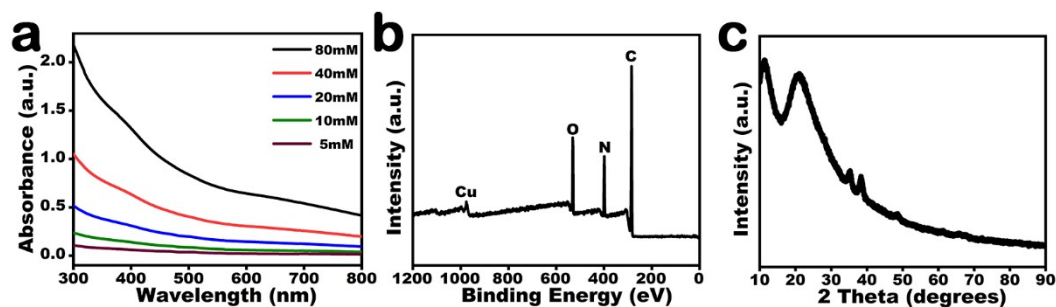


Figure S1. (a) UV-vis absorption spectrum of CPNDs. (b) Survey XPS spectra of CPNDs. (c) XRD pattern of CPNDs.

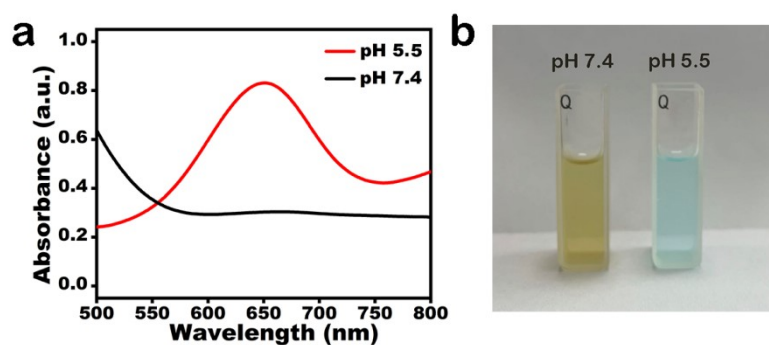


Figure S2. (a) UV-vis spectra of TMB aqueous solution of CPNDs in different pH conditions. (b) Digital photograph of $\bullet\text{OH}$ generated by CPNDs at different pH values based on TMB assay.

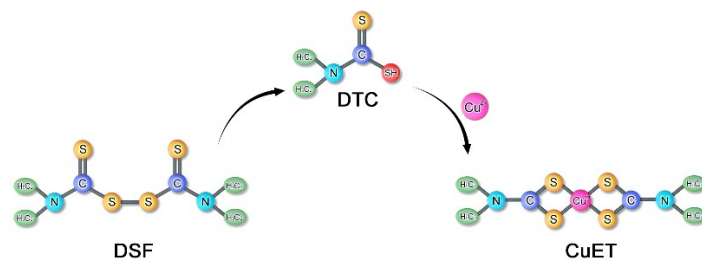


Figure S3. Mechanism of DSF/Cu²⁺ reactions.

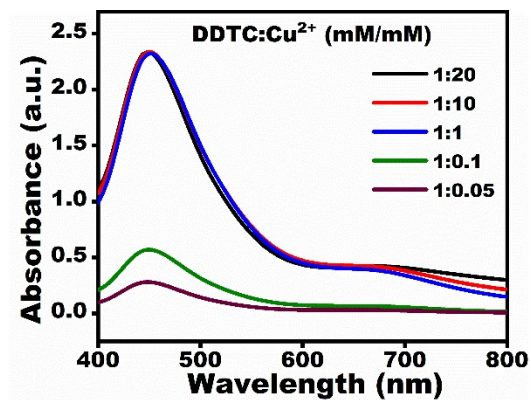


Figure S4. UV-vis absorption spectrum of CuET.

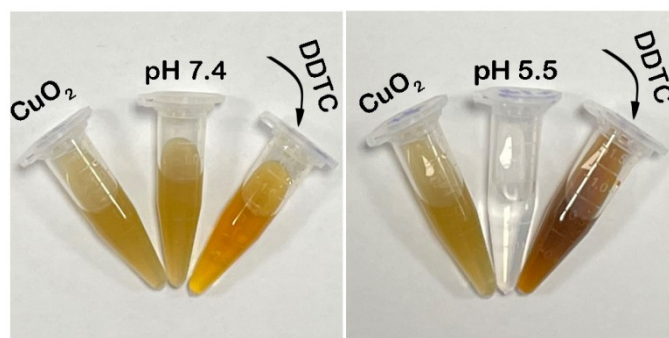


Figure S5. Digital photograph of the reaction between DDTC and CPNDs at different pH values.

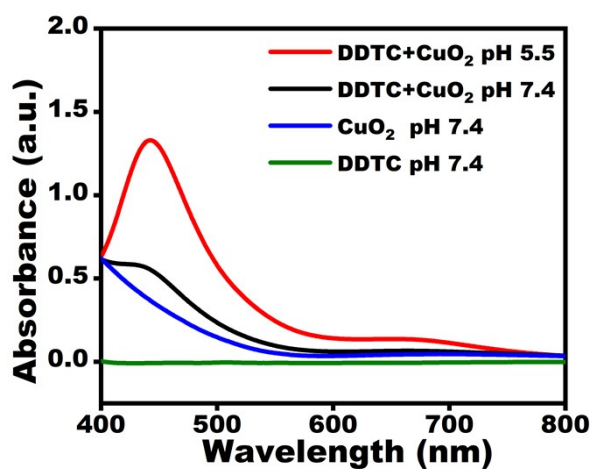


Figure S6. UV-vis spectra of DDTC, CPNDs, and their mixture in different pH conditions.

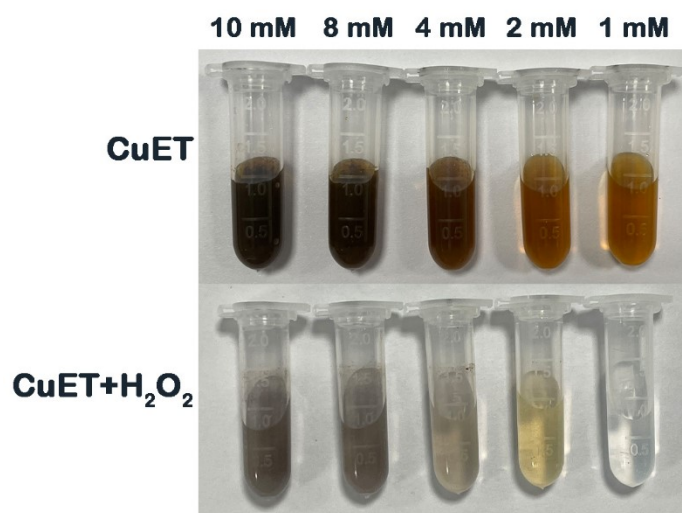


Figure S7. Digital photograph of the decomposition of CuET under oxidation condition.

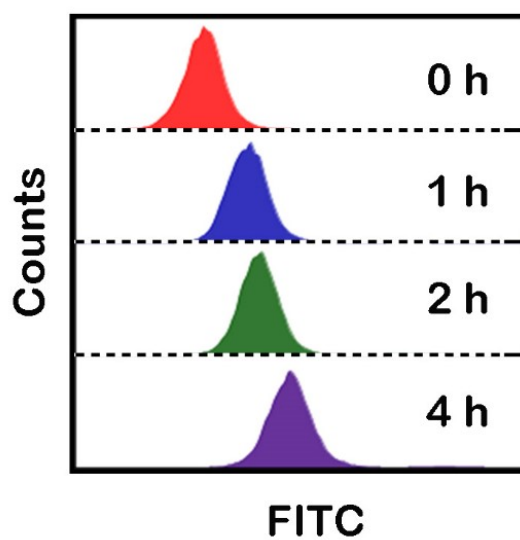


Figure S8. Flow cytometry analysis of A375 cells after different treatments.

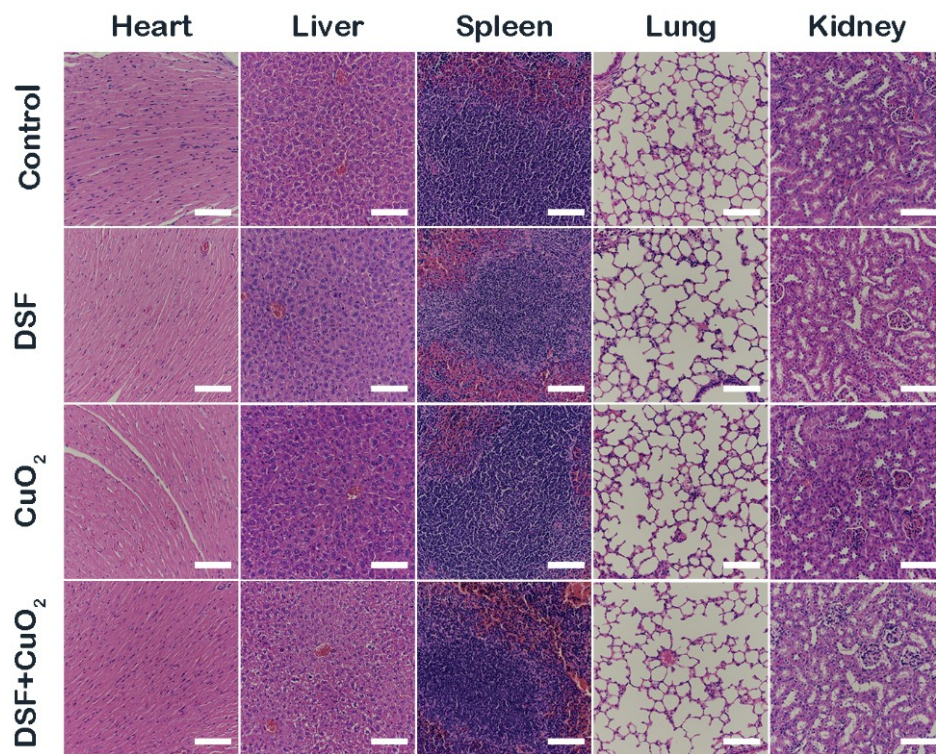


Figure S9. H&E staining of major organs (heart, liver, spleen, lung, and kidney) after different treatments, scale bar is 100μm.