

Electronic Supplementary Information
for
Fenton-like reaction triggered chemical redox-cycling signal
amplification for ultrasensitive fluorometric detection of
H₂O₂ and glucose

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Supporting Figures

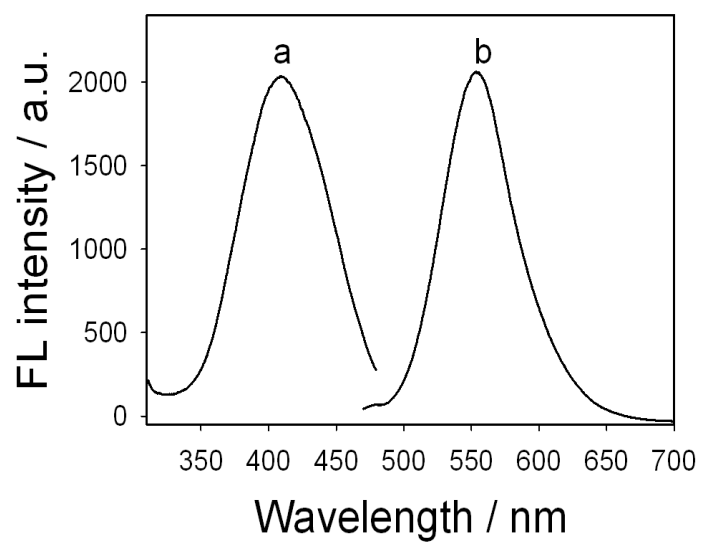


Fig. S1 Fluorescence excitation spectra (a) and fluorescence emission spectra (b) of pure DAP

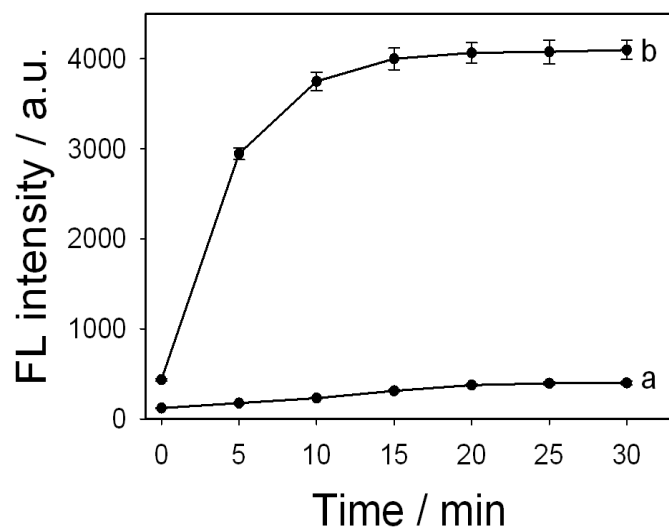


Fig. S2 Relationship between reaction time and fluorescence intensity at 555 nm in the presence of $\text{Cu}^{2+} + \text{OPD}$ (a) and $\text{Cu}^{2+} + \text{H}_2\text{O}_2 + \text{OPD}$ (b).

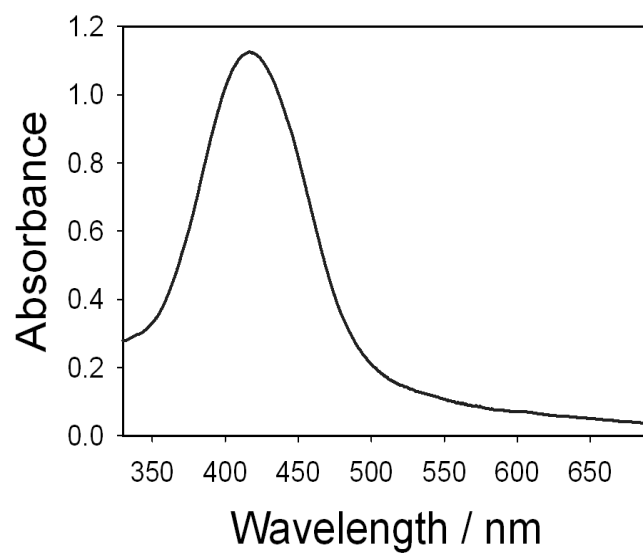


Fig. S3 UV-Vis absorption spectra of pure DAP.

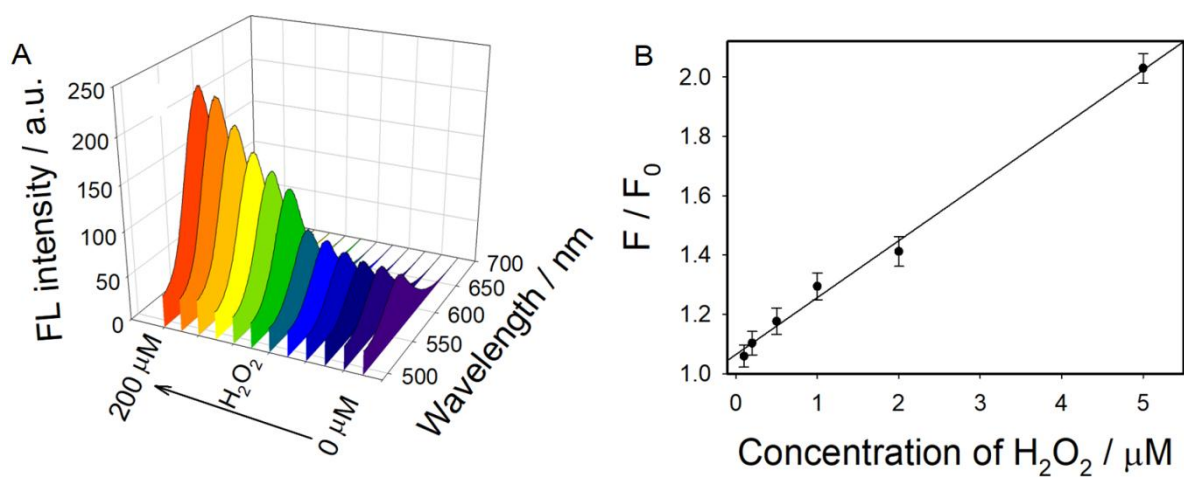


Fig. S4 (A) Fluorescence spectra of 200 μM OPD in the presence of increasing H_2O_2 concentrations from bottom to top, the concentrations of H_2O_2 are 0, 0.1, 0.2, 0.5, 1, 2, 5, 10, 20, 50, 100, 200 μM , respectively. (B) The calibration curve between the F/F_0 and the H_2O_2 concentrations. The error bars are the standard deviation of three repetitive measurements.