

Supplementary Information

Colorimetric aptasensor for visual detection of Staphylococcus aureus based on peroxidase-mimetic metal- organic framework nanoparticles and magnetic carbon dots

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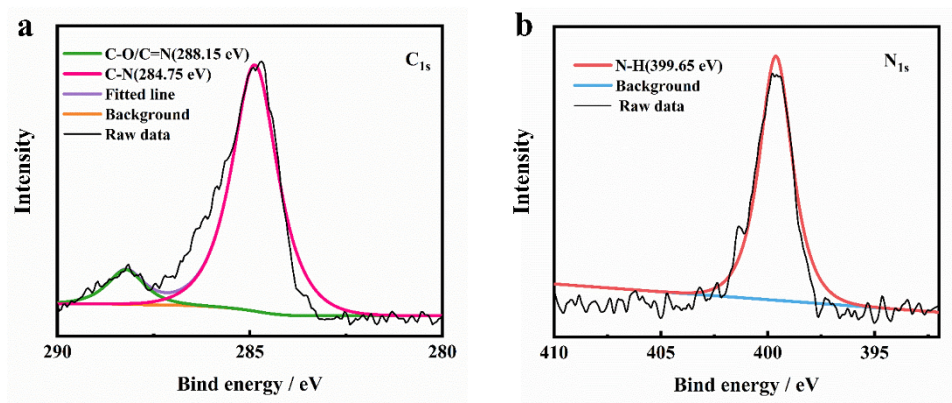


Fig. S1 XPS spectra of Cu-MOFs: (a) HR Spectra of C_{1s}; (b) HR Spectra of N_{1s}

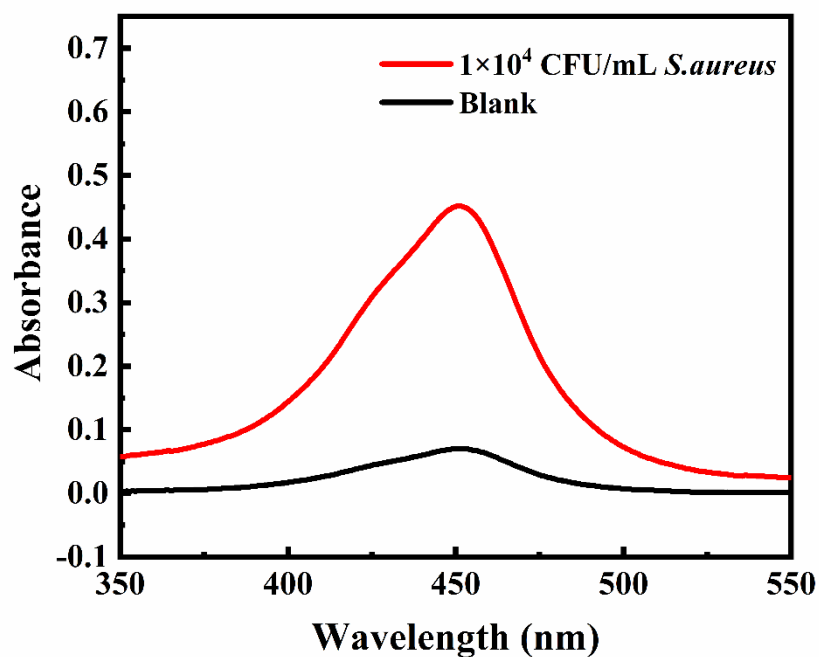


Fig. S2 UV-Vis absorption spectrum of the TMB, H₂O₂ reaction system by the blank control sample without *S. aureus* and the negative control sample with 1 × 10⁴ CFU/mL *S. aureus*

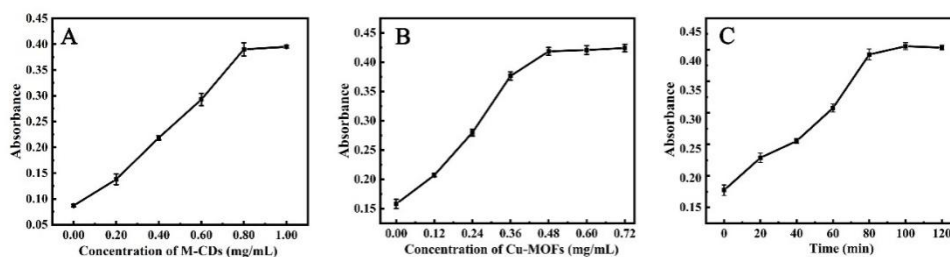


Fig. S3 The effects of (a) concentration of M-CDs and (b) concentration of Cu-MOFs and (c) reaction time on absorbance of detection system

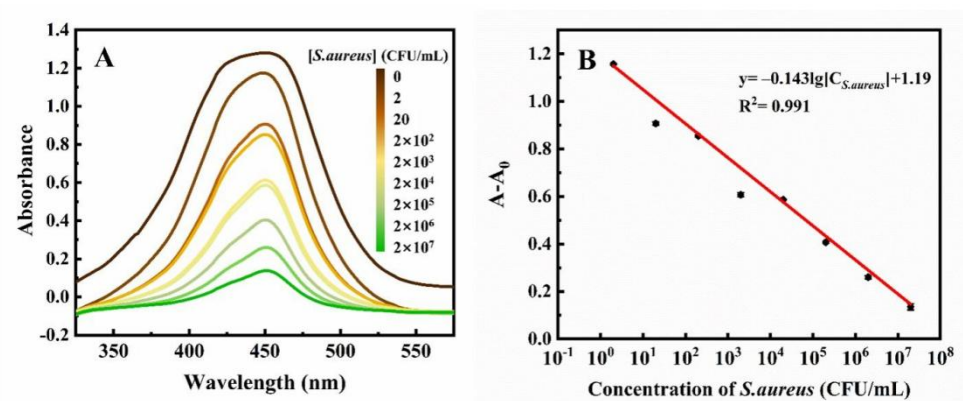


Fig. S4 (a) UV-Vis absorption spectrum of the reaction systems catalyzed by supernatant with different concentrations of *S. aureus*; (b) linear relationship between