

Supplementary Information

Peanut Shell Carbon Quantum Dots Modified with Citric Acid: Amplifying Visual Detection of Fluorescent Sensitivity for Cu²⁺

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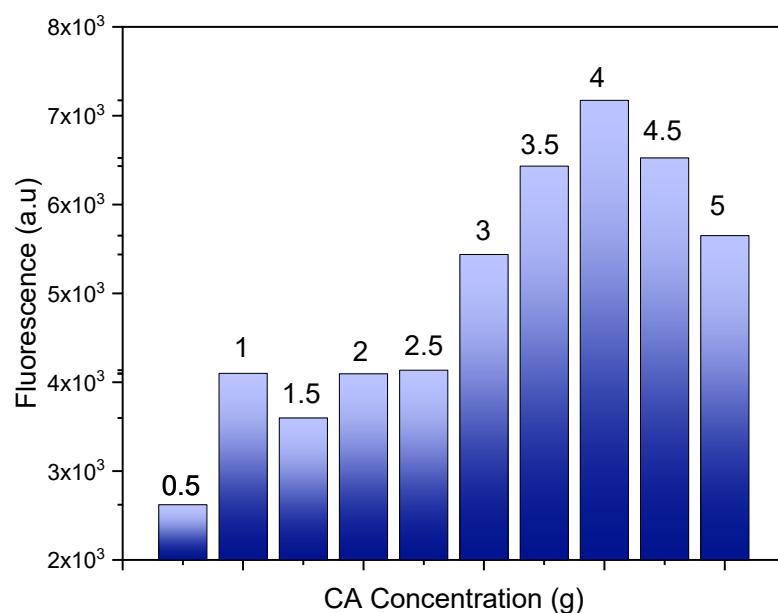


Fig. S1 CA concentration optimization

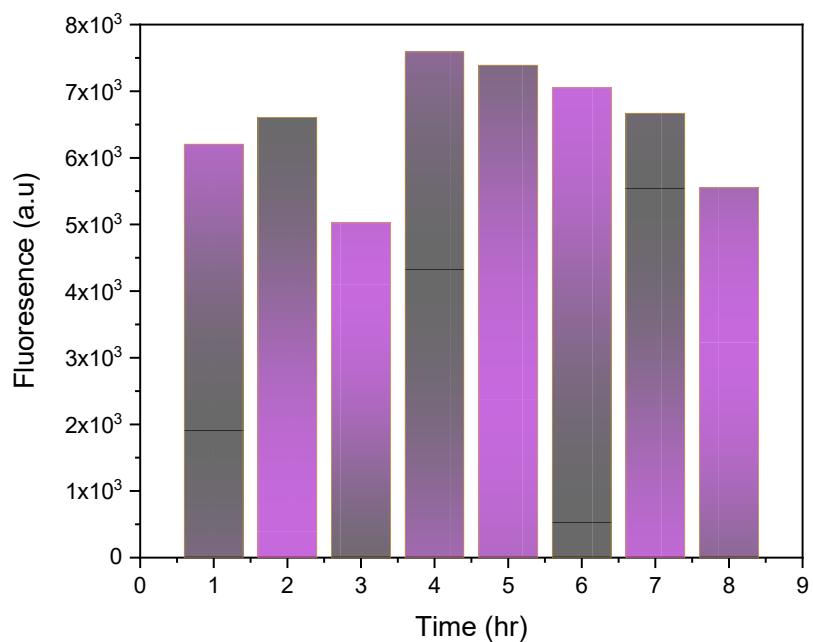


Fig. S2 Optimization of time for PSCA-CQD pyrolysis

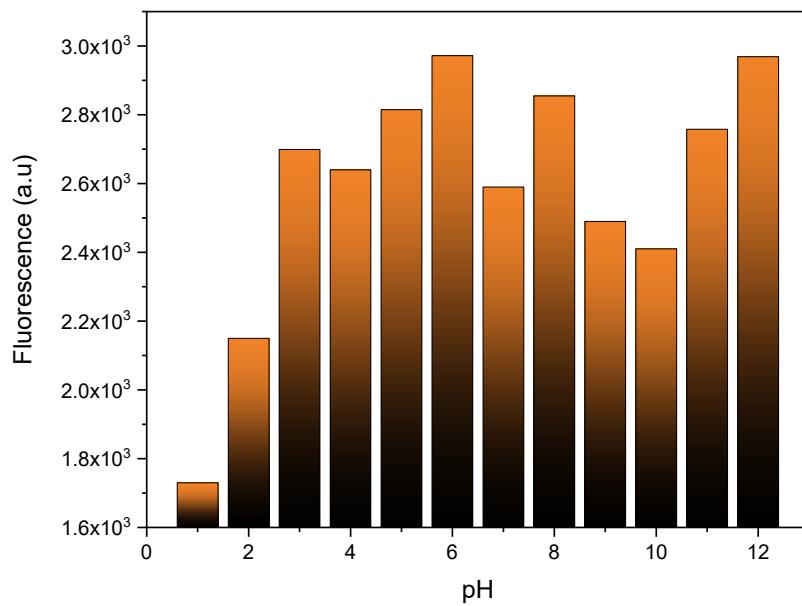


Fig. S3 Fluorescent stability of PSCA-CQD in pH ranging from 1-12

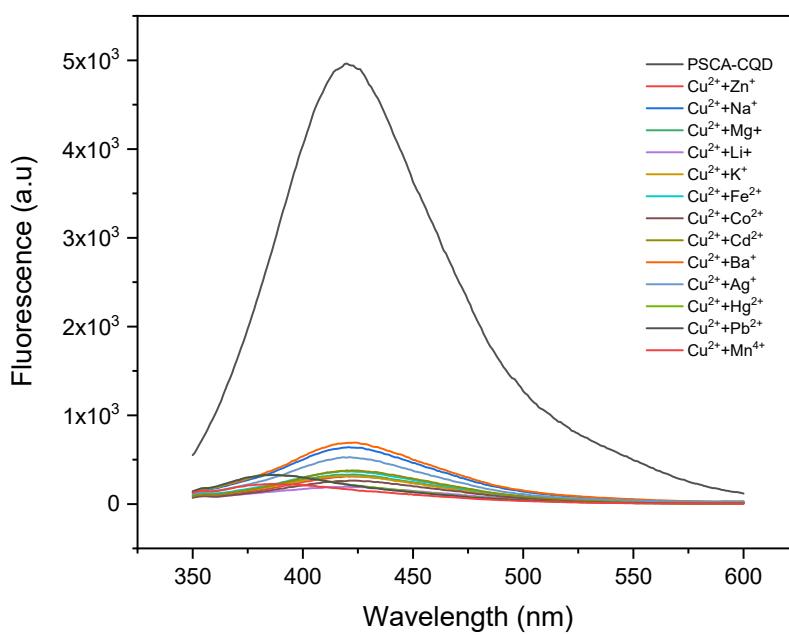


Fig. S4 Fluorescence Spectrum of metal interferences

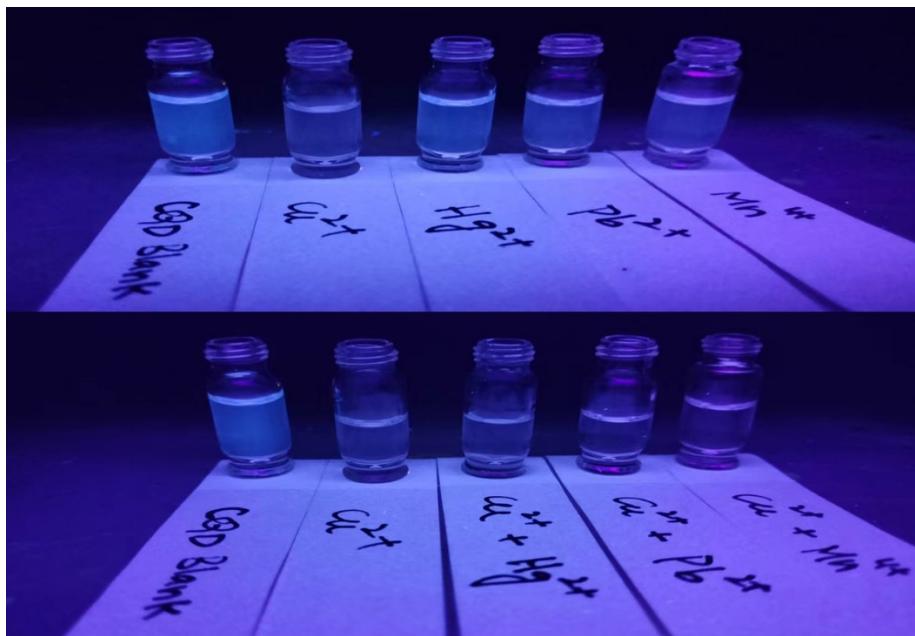


Fig. S5 Digital image of fluorescence sensitivity and selectivity of PSCA-CQD with Mn^{4+} , Pb^{2+} , and Hg^{2+}