

Supporting Information
for
In Situ Polymerization of Aniline on Carbon Quantum Dots: A New Platform
for Ultrasensitive Detection of Glucose and Hydrogen Peroxide

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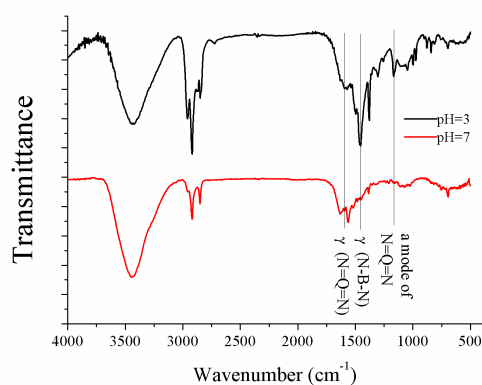


Figure S1. FTIR spectrum of polyaniline synthesized at different pHs.

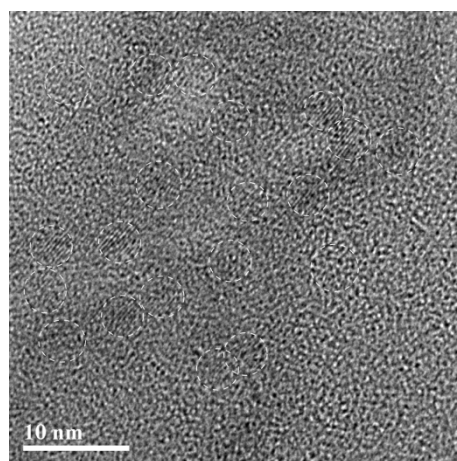


Figure S2. TEM image of the CQDs.

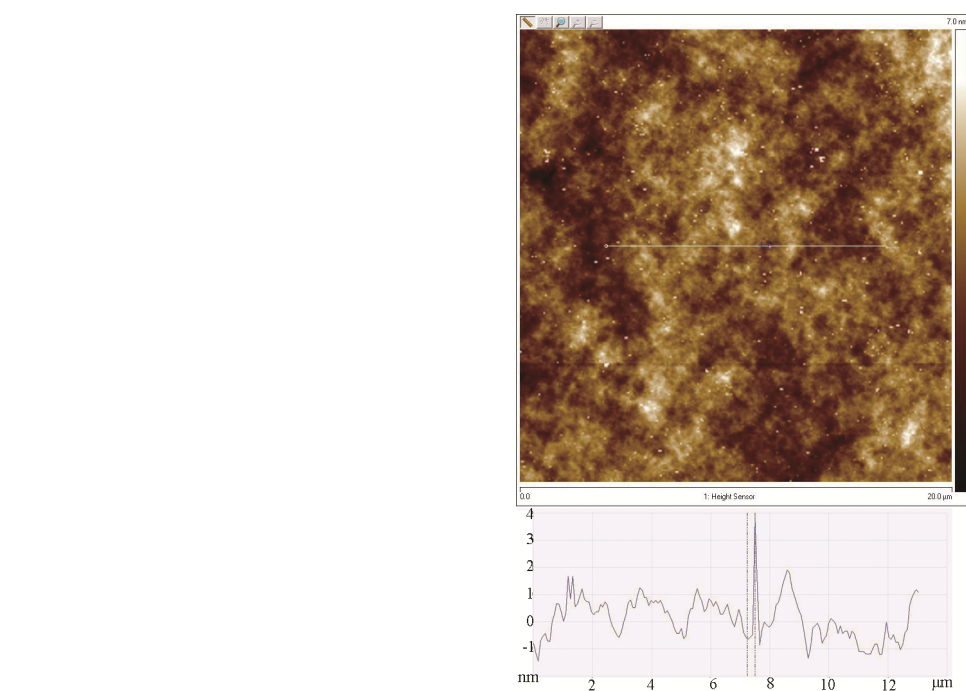


Figure S3. AFM image of the CQDs.

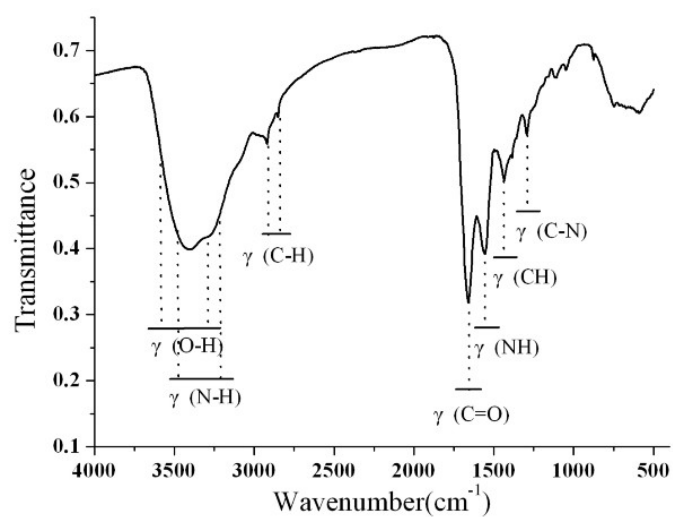


Figure S4. FTIR spectrum of the CQDs.

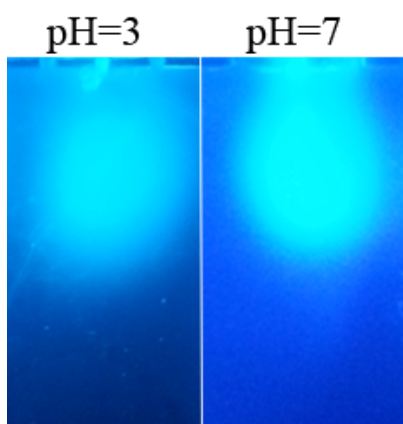


Figure S5. Agarose gel electrophoretic results of the CQDs.

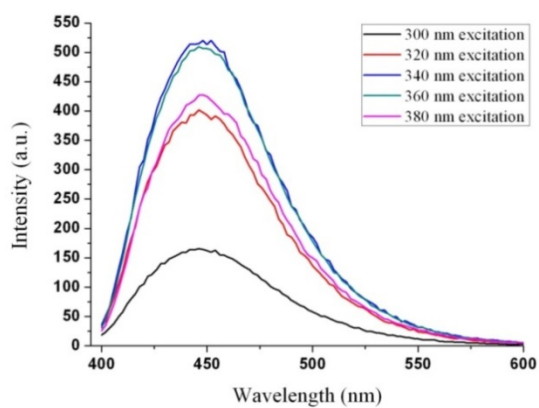


Figure S6. The dependence of the fluorescence emissions of the CQDs on the excitation wavelength.

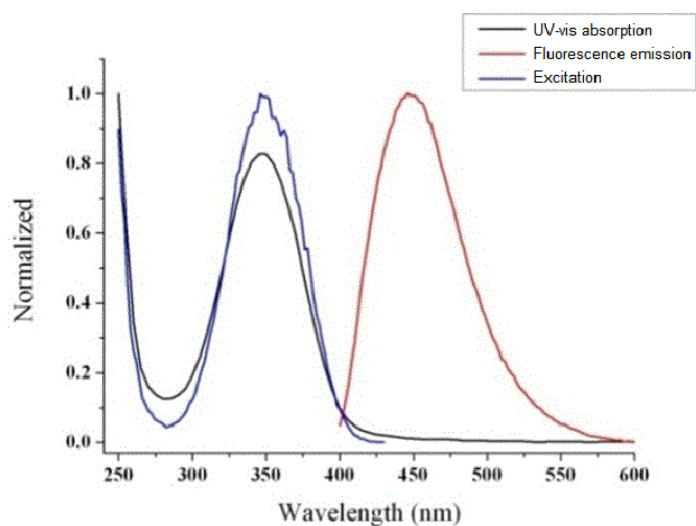


Figure S7. UV-vis absorption, fluorescence emission and excitation spectra of the CQDs.

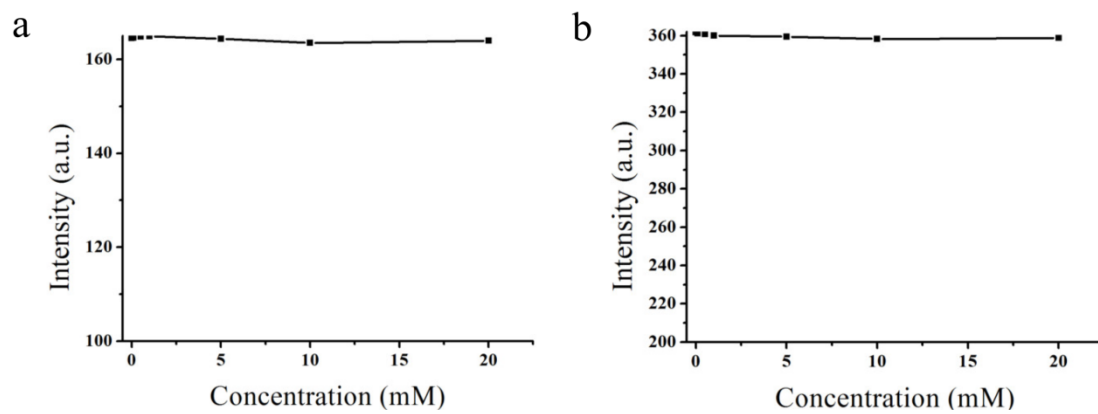


Figure S8. The effect of hydrogen peroxide on the fluorescence of the CQDs in 10 mM phosphate buffer at (a) pH 3 and (b) pH 7.