

Supplementary Material

Nitrogen-doped carbon dots as a probe for the detection of Cu^{2+} and its cellular imaging

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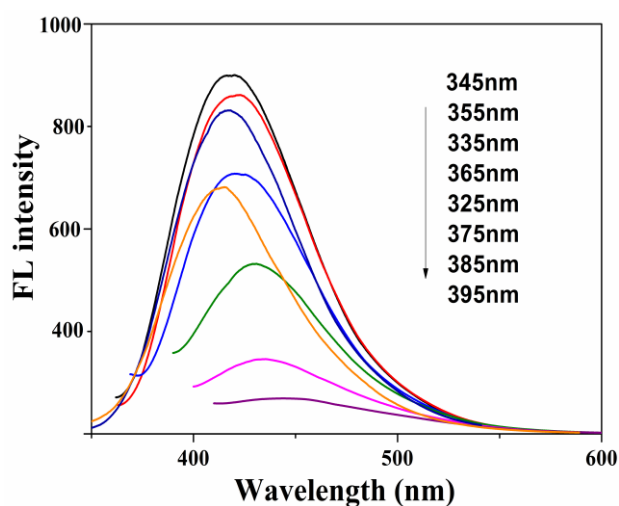


Figure. S1 Fluorescence emission spectra of NCDs under different excitation wavelengths

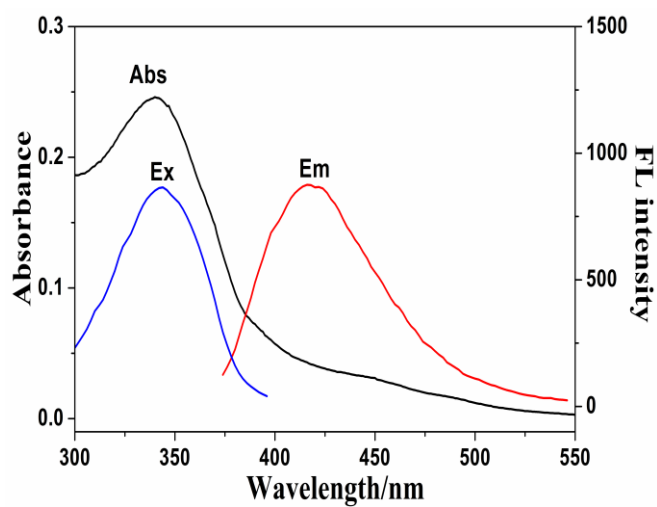


Figure. S2 The UV-visible absorption spectra, fluorescence excitation (Ex) and

emission spectra (Em) of NCDs

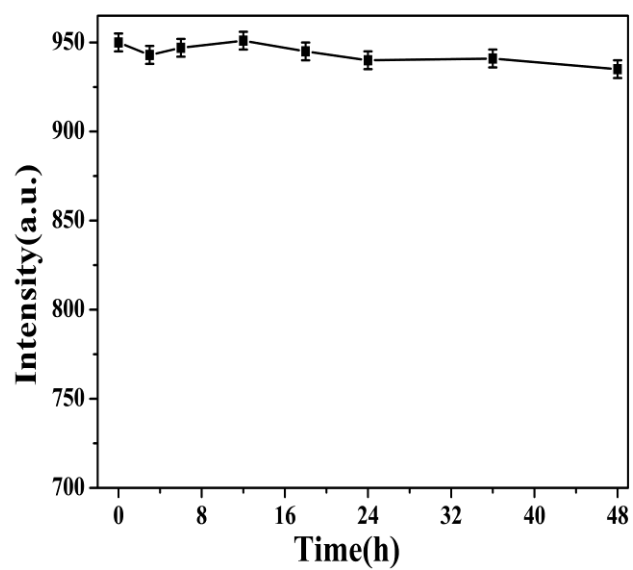


Figure. S3 The effect of exposure to sunlight on fluorescence intensity of N-CDs

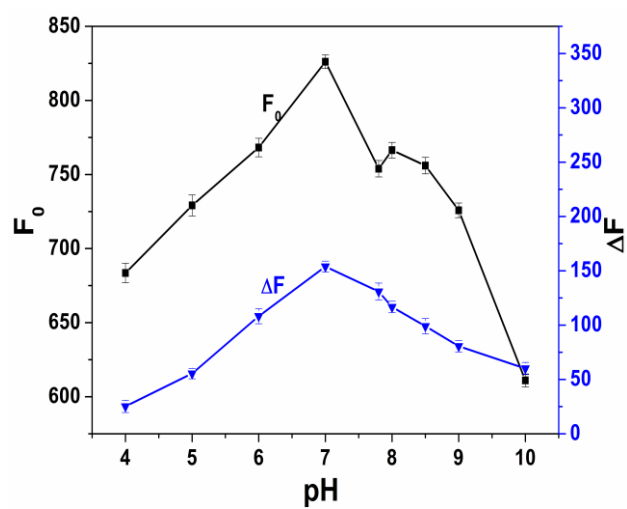


Figure. S4 The effect of pH on fluorescence intensity of NCDs and Cu^{2+} -

NCDs reaction system

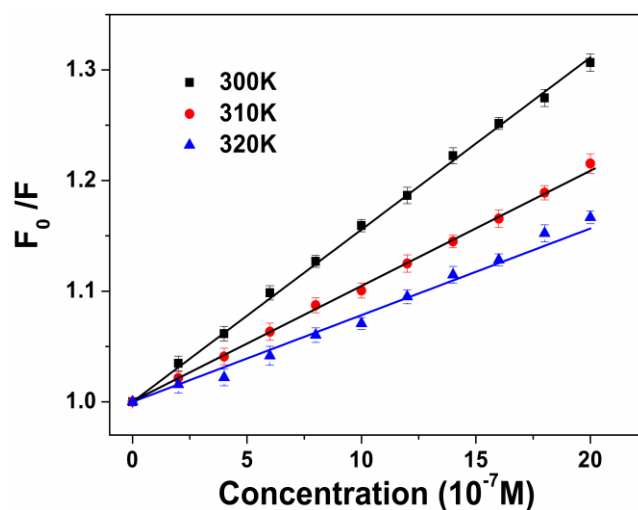


Figure. S5 The effect of NCDs concentration on the detection of Cu^{2+}

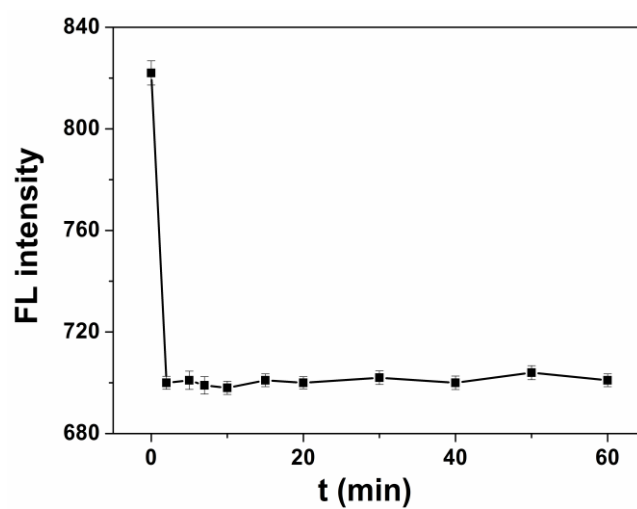


Figure. S6 The effect of reaction time on fluorescence intensity of Cu^{2+} -NCDs

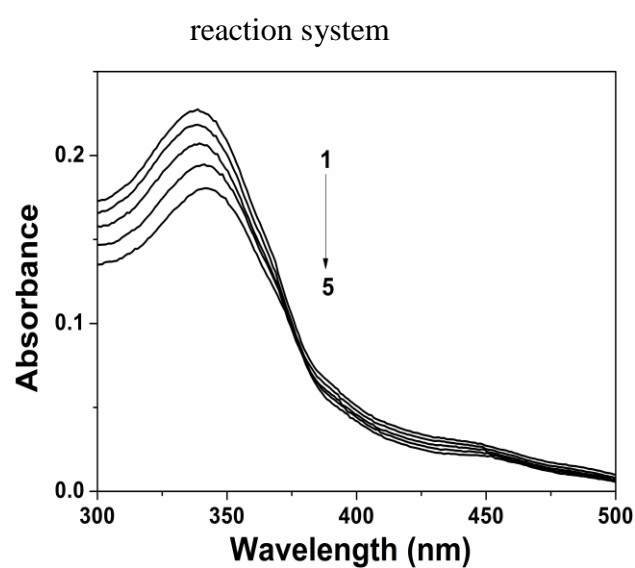


Figure. S7 The effects of different concentrations of Cu^{2+} on UV-vis spectra of

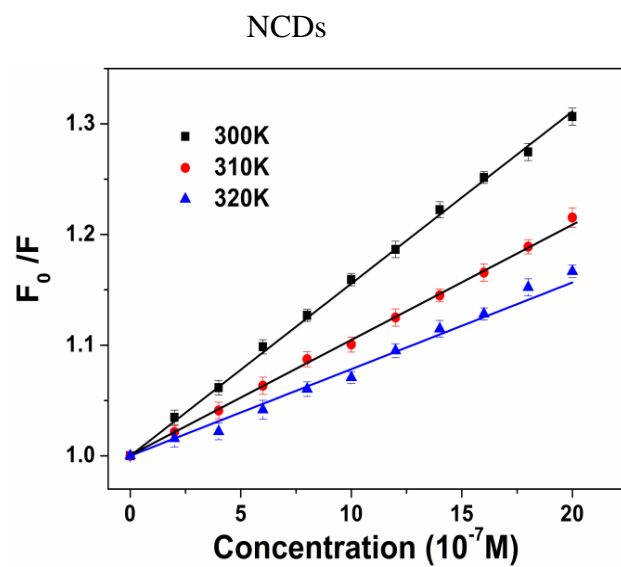


Figure. S8 The effect of temperature on fluorescence intensity of Cu^{2+} -NCDs

system