

Stimuli Responsive Multicolour Fluorescence Emission in Carbon Nanodots and Application in Metal Free Hydrogen Evolution from Water

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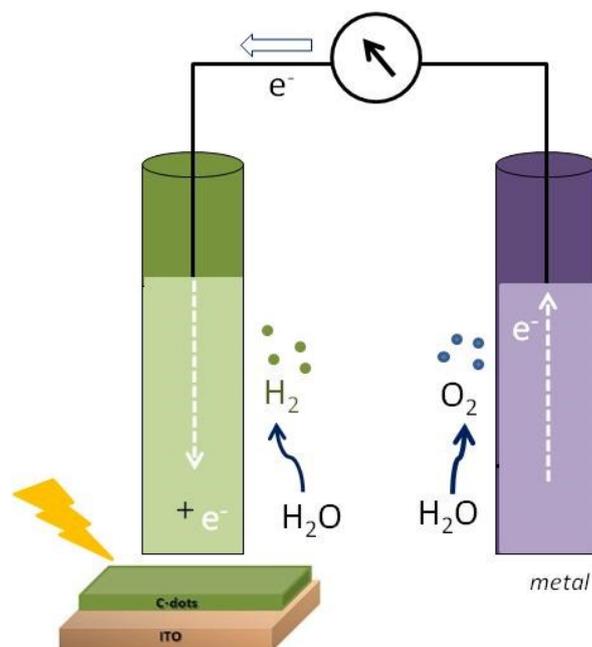


Fig. S1: Device setup for hydrogen evolution reaction.

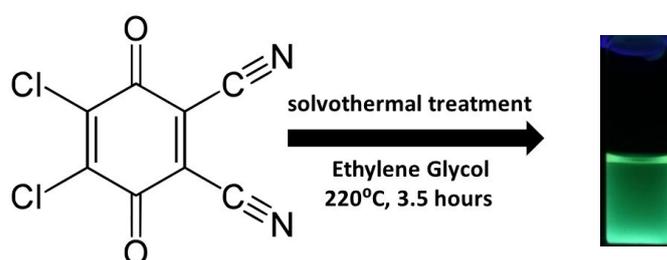


Fig. S2: Synthesis of C-dots1.

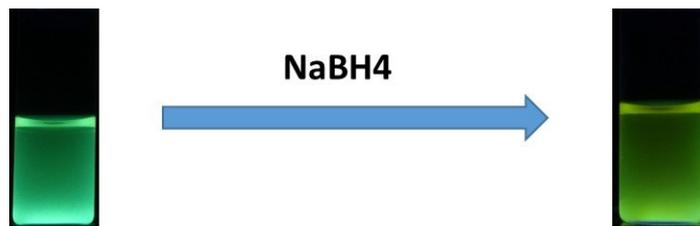


Fig. S3: Formation of C-dots2 from C-dots1 through NaBH_4 reduction.

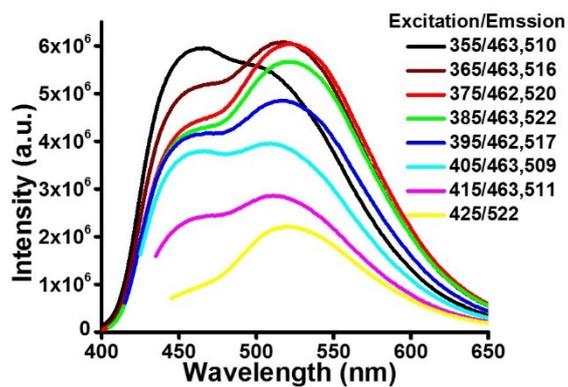


Fig. S4: Fluorescence spectra of C-dots1 at different excitation wavelengths.

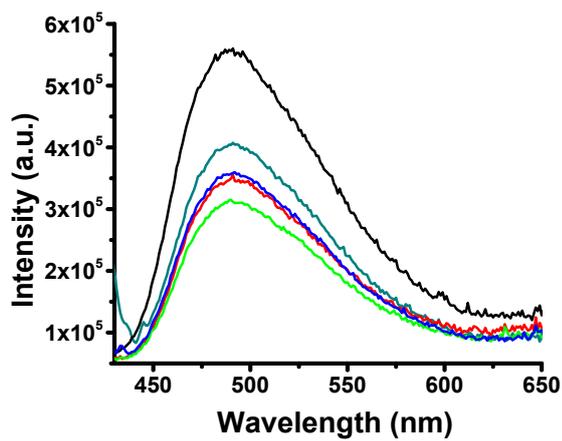


Fig. S5: Cyan solid state fluorescence spectra of carbon dots at different excitation wavelengths .

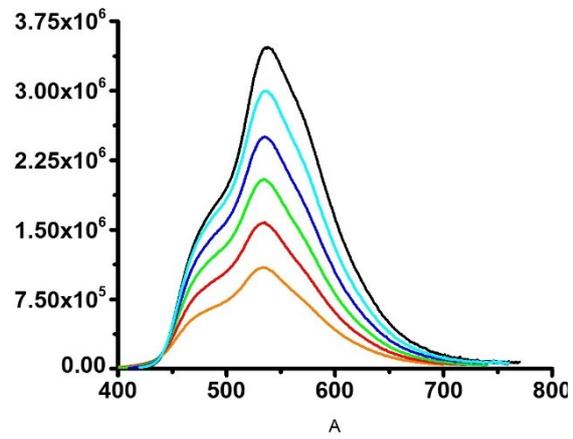


Fig. S6: Green solid state fluorescence spectra of carbon dots at different excitation wavelengths .

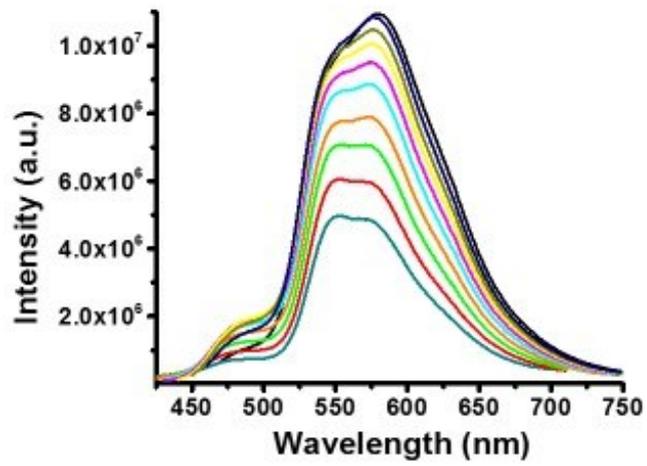


Fig. S7: Yellow solid state fluorescence spectra of carbon dots at different excitation wavelengths .

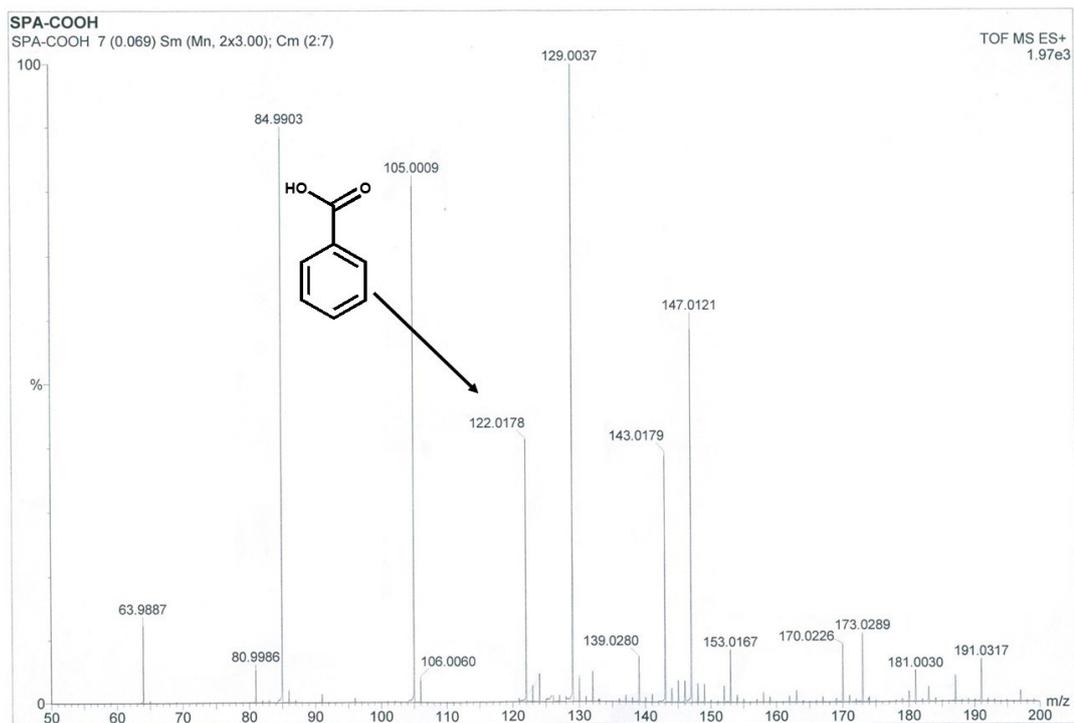


Fig. S8: Mass spectrum of benzyl alcohol oxidation products using C-dots2 in presence of visible light indicating the presence of benzoic acid.

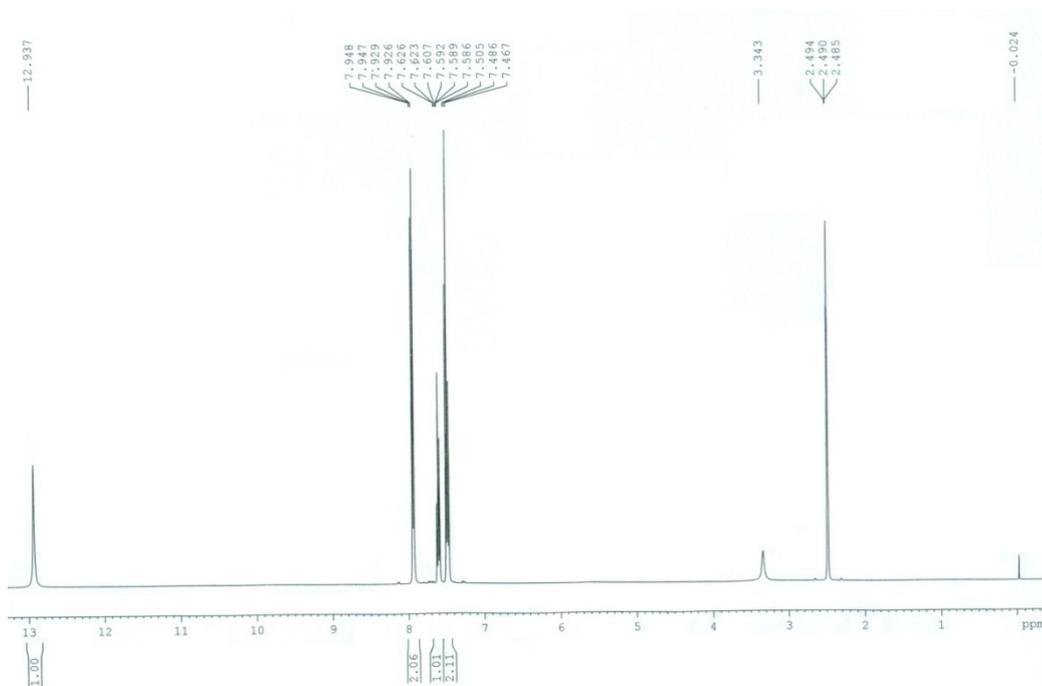


Fig. S9: NMR spectrum of benzoic acid formed by oxidation of benzyl alcohol with C-dots2.

