A sensitive fluorescent sensor for the Detection of Trace Water in Organic Solvents Based on Carbon Quantum Dots of Yellow Fluorescence
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Fig. s1 The stability of CQDs dispersed in (a) toluene, (b) ethanol, (c) 1,4-dioxane, (d) tetrahydrofuran.

Fig. s2 (a) time-dependent fluorescence quenching of CQDs dispersed in tetrahydrofuran in the presence of H$_2$O (10%, V/V); (b) the fluorescence emission spectra of CQDs dispersed in tetrahydrofuran with different concentrations of H$_2$O (0, 0.001, 1.5, 4, 6, 10, 20, 50, 100 V/V, %); (c) the change of fluorescence intensity of CQDs solution versus the concentration of H$_2$O; (d) a linear relationship between ΔF and concentration of H$_2$O from 0.001 % to 4 %. Error bars in (c) and (d) represent the standard deviations of five independent measurements.
Fig. s3 (a) time-dependent fluorescence quenching of CQDs dispersed in 1,4-Dioxane in the presence of H₂O (10%, V/V); (b) the fluorescence emission spectra of CQDs dispersed in 1,4-Dioxane with different concentrations of H₂O (0, 0.001, 1, 2, 6, 8, 10, 20, 50, 80, 100 V/V, %); (c) the change of fluorescence intensity of CQDs solution versus the concentration of H₂O; (d) a linear relationship between ΔF and concentration of H₂O from 0.001 % to 8 %. Error bars in (c) and (d) represent the standard deviations of five independent measurements.