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Supplementary Information



Fig.S1. The standard curve of CDs.



Fig.S2. QY measurement of CDs.



Fig.S3. Fluorescence decay profile of CDs.



Fig. S4. UV-vis absorption and fluorescence excitation and emission spectra of CDs.



Fig.S5. Fluorescence emission spectra of CDs at different excitation wavelengths.



Fig.S6. Fluorescence intensity of CDs against excitation time ($\lambda_{exc} = 360$ nm).



Fig. S7. Effect of pH on the fluorescence intensity of CDs.



Fig. S8. EDS of CaCO₃/CDs hybrid composites.