# Supporting Information

## Photoluminescence Mechanism of Carbon Dots: Triggering Multiple Color Emissions through Controlling the Degree of Protonation

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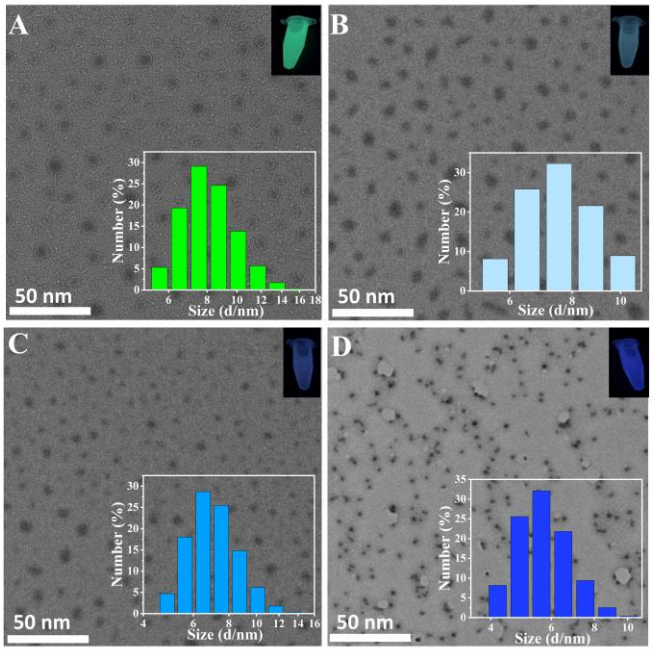


**Figure S1.** TEM images of (A) the 2-CDs, (B) 7-CDs, (C) 10-CDs and (D) 14-CDs. Inset: the photos of four CDs under ultraviolet and their particle size distribution.

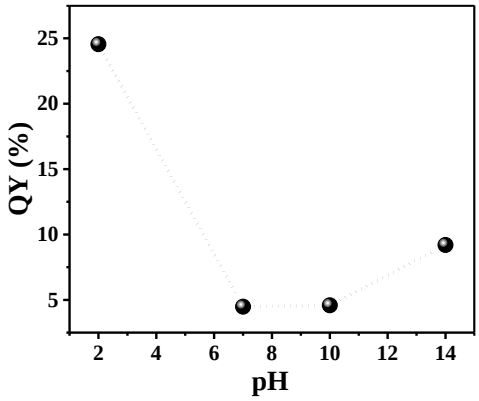


**Figure S2.** Quantum yields of 2-CDs, 7-CDs, 10-CDs and 14-CDs.