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## Supplementary Tables and Figures



**Fig. S1.** CV curves of different CQDs on a platinum electrode in 0.1 M tetrabutylammonium hexafluorophosphate in acetonitrile at a scanning rate of 50 mV s<sup>-1</sup>.



Fig. S2. (a) UV-vis absorption spectra of m-TiO<sub>2</sub>/N-CQDs photoanodes at immersion time range of

0-12 h. (b) Plots of absorbance at 450 nm as a function of immersion time.