

Carbon dots sensitized BiOI with dominant {001} facets for superior photocatalytic performance

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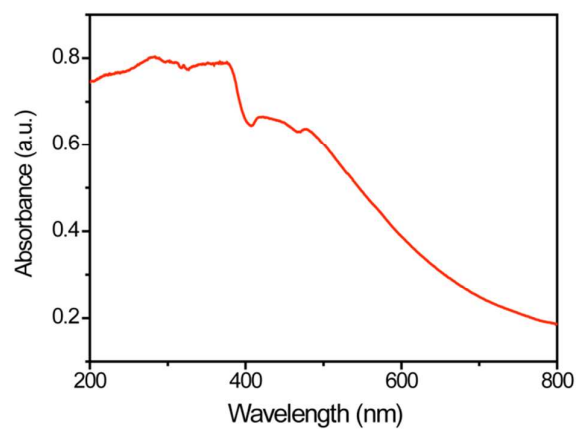


Figure S1. UV-Vis absorption spectra of CDs solution.

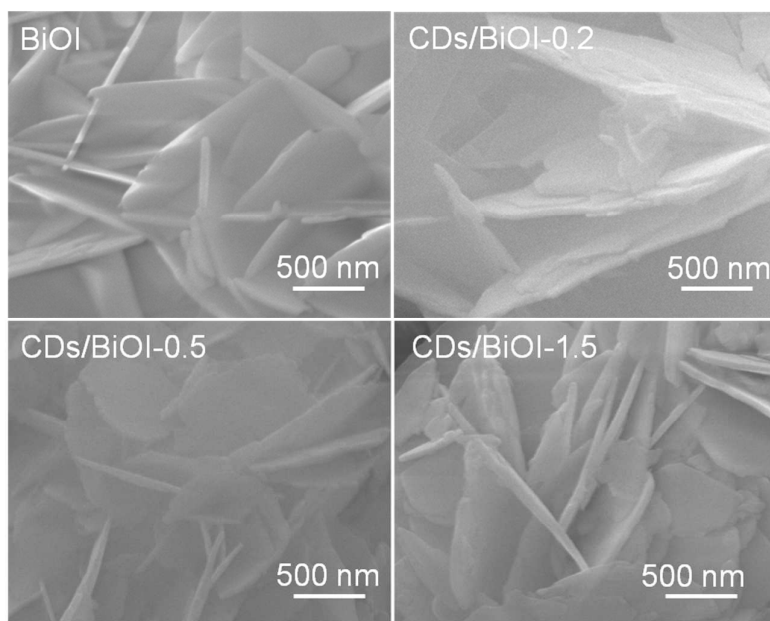


Figure S2. SEM images of BiOI nanosheets, CDs/BiOI-0.2 nanosheets, CDs/BiOI-0.5 nanosheets, and CDs/BiOI-1.5 nanosheets.



Figure S3. The photo image of BiOI nanosheets, CDs/BiOI-0.2 nanosheets, CDs/BiOI-0.5 nanosheets, CDs/BiOI-1 nanosheets, and CDs/BiOI-1.5 nanosheets.

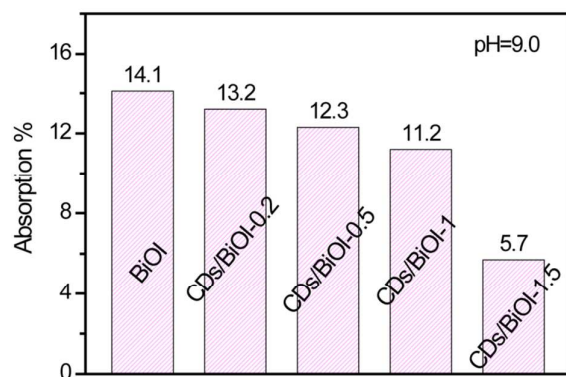


Figure S4. Adsorption capacity of MO over BiOI nanosheets, CDs/BiOI-0.2 nanosheets, CDs/BiOI-0.5 nanosheets, CDs/BiOI-1 nanosheets, and CDs/BiOI-1.5 nanosheets solution after 60 min in the dark.

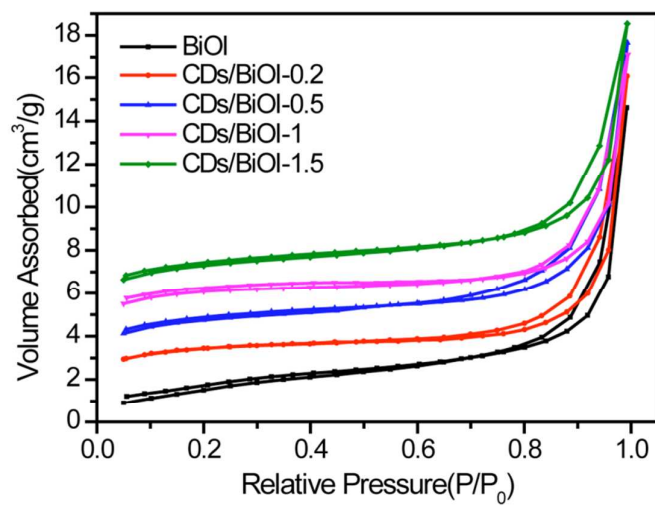


Figure S5. Nitrogen adsorption-desorption isotherm of untreated BiOI, CDs/BiOI-0.2 nanosheets, CDs/BiOI-0.5 nanosheets, CDs/BiOI-1 nanosheets, and CDs/BiOI-1.5 nanosheets.