



Supplementary Materials

Carbon Quantum Dots Modified (002) Oriented $\text{Bi}_2\text{O}_2\text{CO}_3$ Composites with Enhanced Photocatalytic Removal of Toluene in Air

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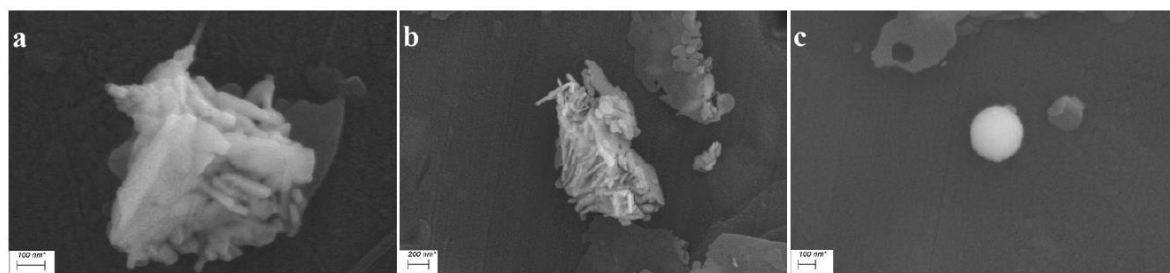


Figure S1. SEM images of BOC (a) and BOC-CQD-10 (b,c).

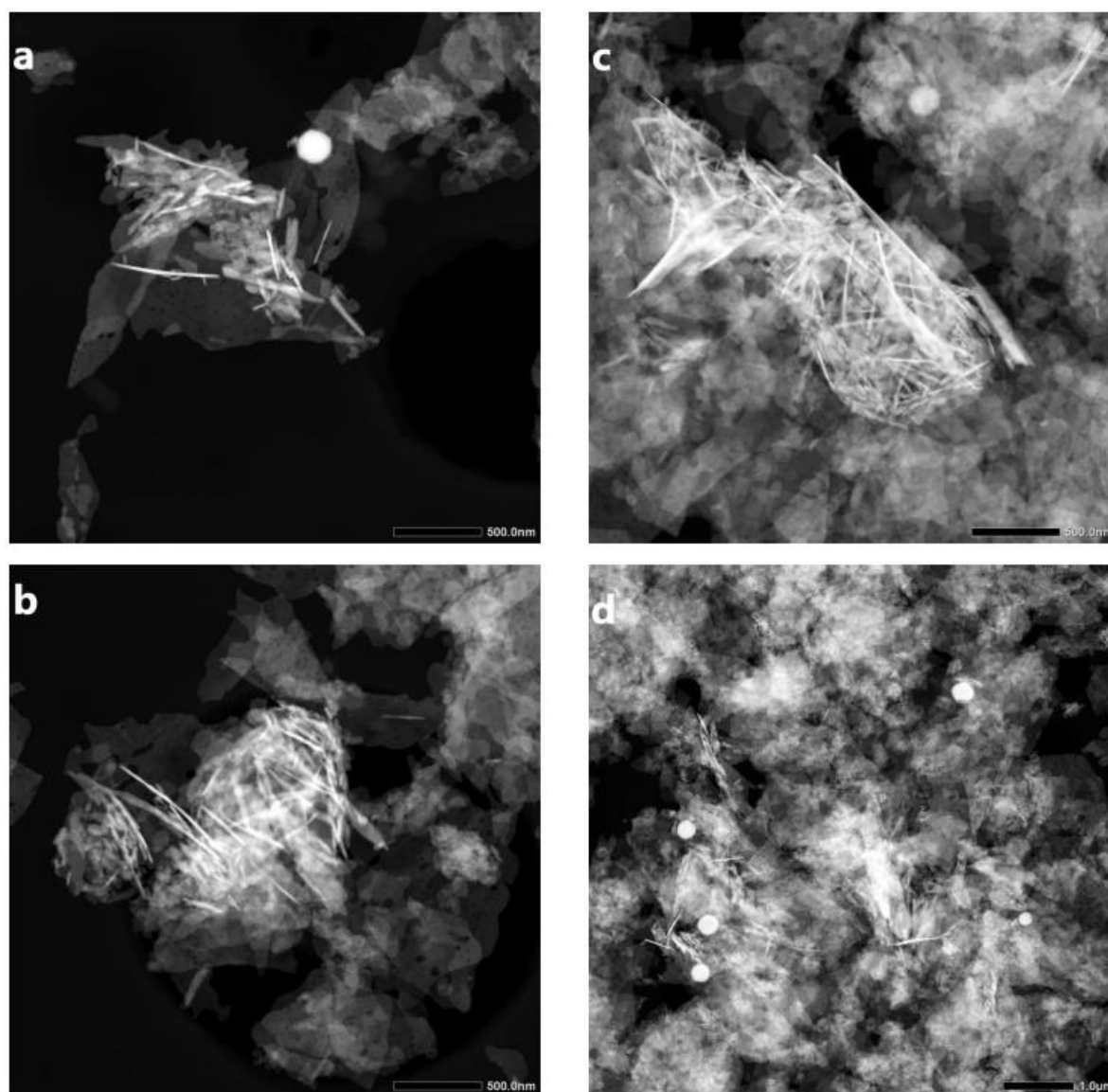


Figure S2. TEM images of BOC-CQD-15 (a, b, c, d).

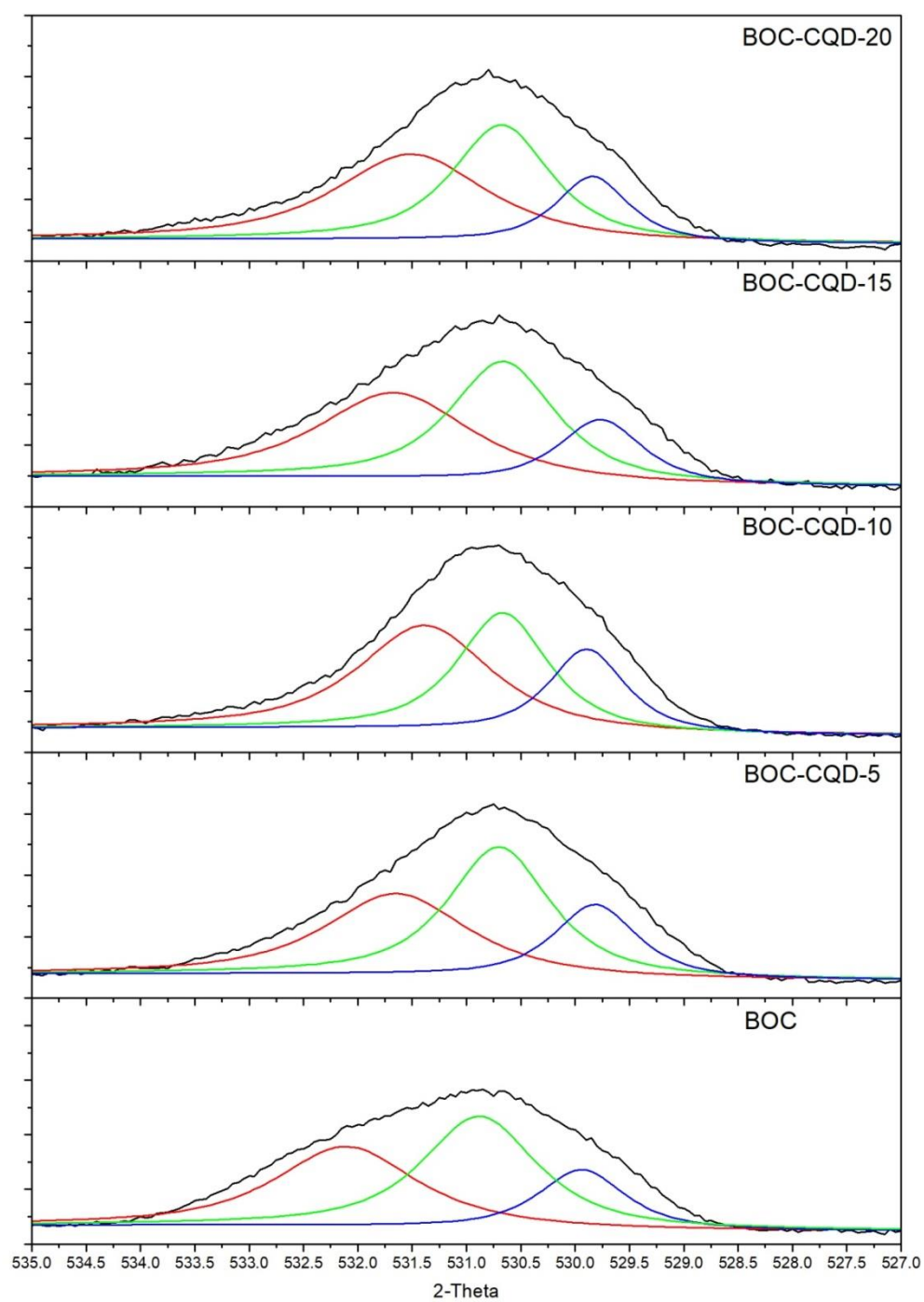


Figure S3. XPS spectra of BOC samples: O1s.

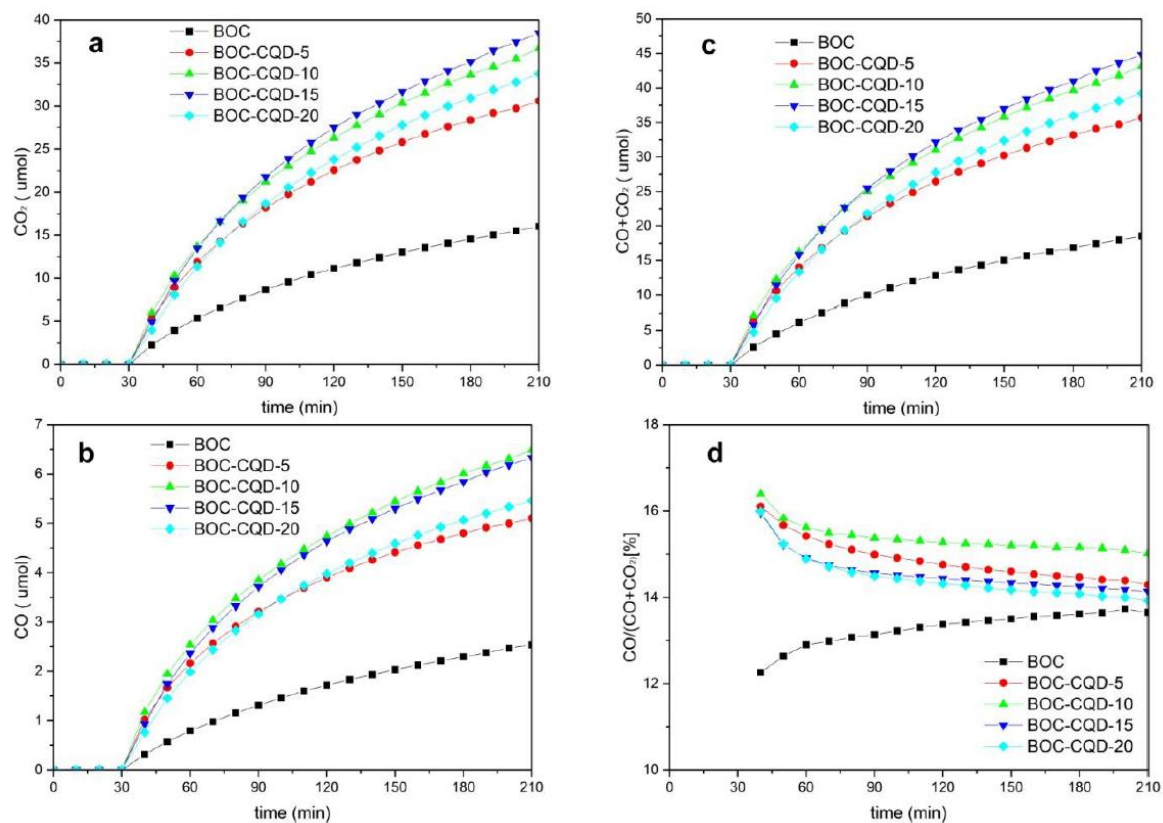


Figure S4. The CO₂ productivity (a), the CO productivity (b), the total productivity of CO₂ + CO (c), the rate of CO₂/CO (d) of the as-prepared samples for toluene removal in air.

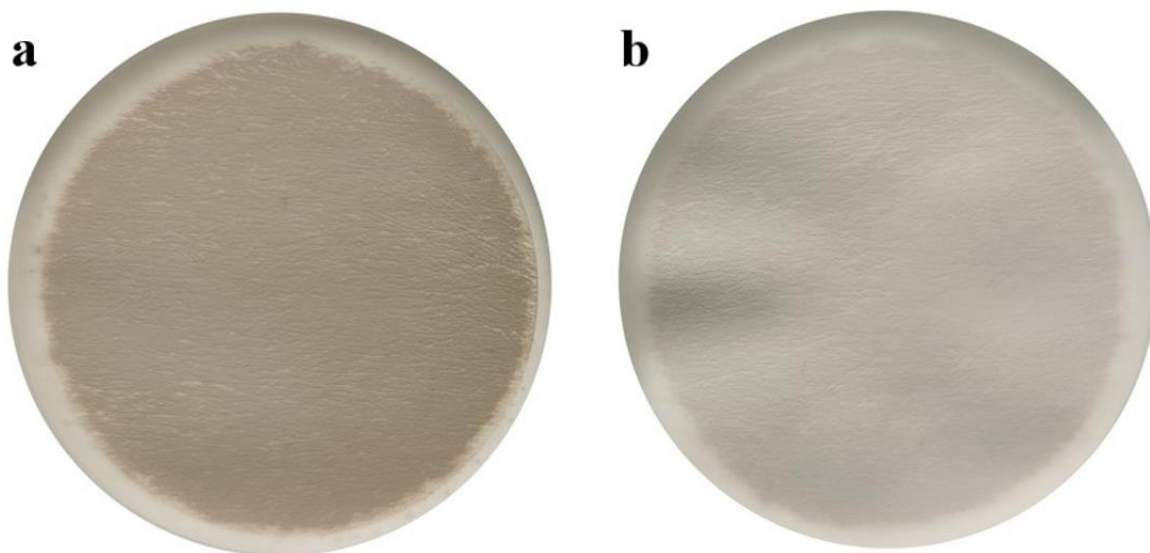


Figure S5. The photo images of BOC-CQD-15 under IR, Vis, UV, and full light irradiation during five cycles : before (a) and after (b).