

Electronic Supplementary Information for

**Pinecone-like hierarchical anatase TiO₂ bonded with carbon
enabling ultrahigh cycling rates for sodium storage**

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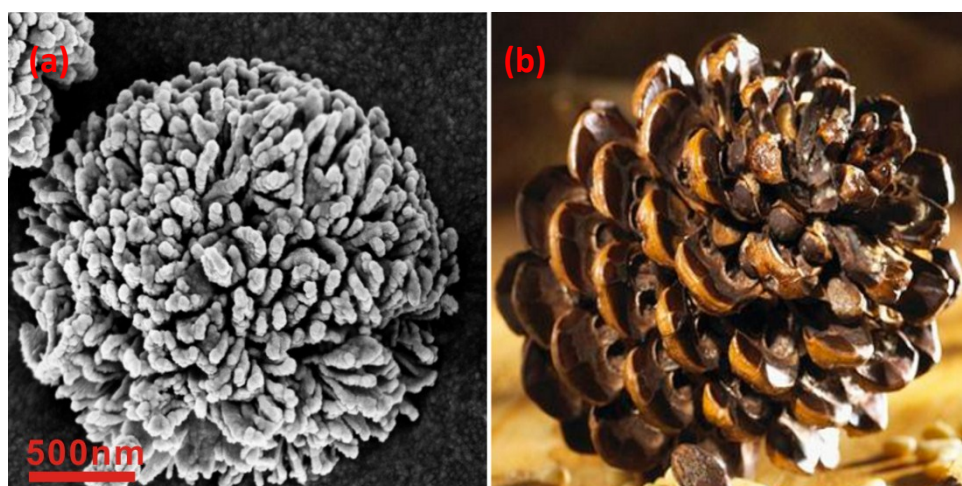


Fig. S1 The SEM image of CTO compared with photograph of pinecone.

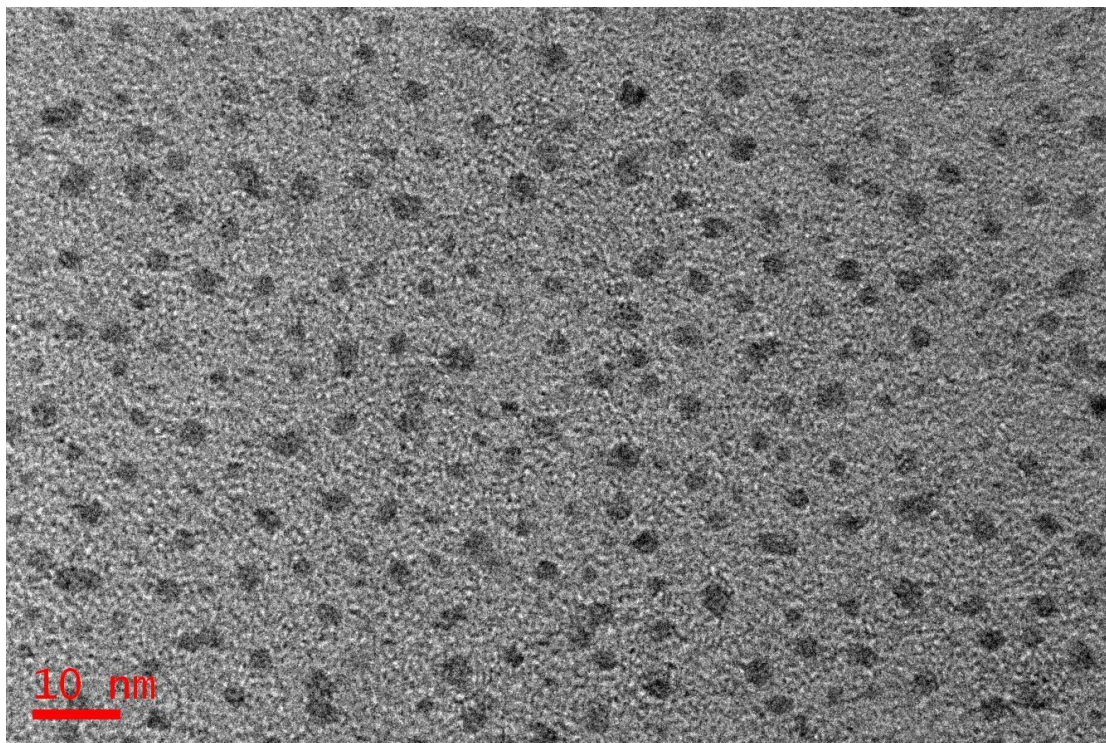


Fig. S2 TEM image of the obtained CQDs.

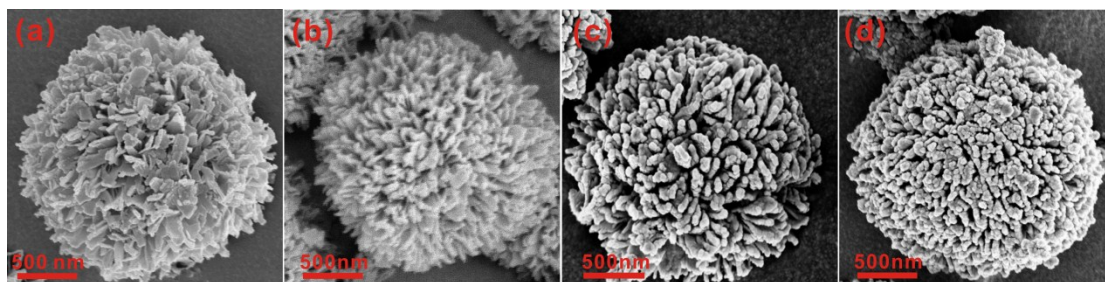


Fig. S3 The SEM images of the carbon coupled hierarchical TiO_2 obtained by changing the CQDs addition amounts of (a) 0 mg, (b) 50 mg, (c) 100 mg, (d) 150 mg.

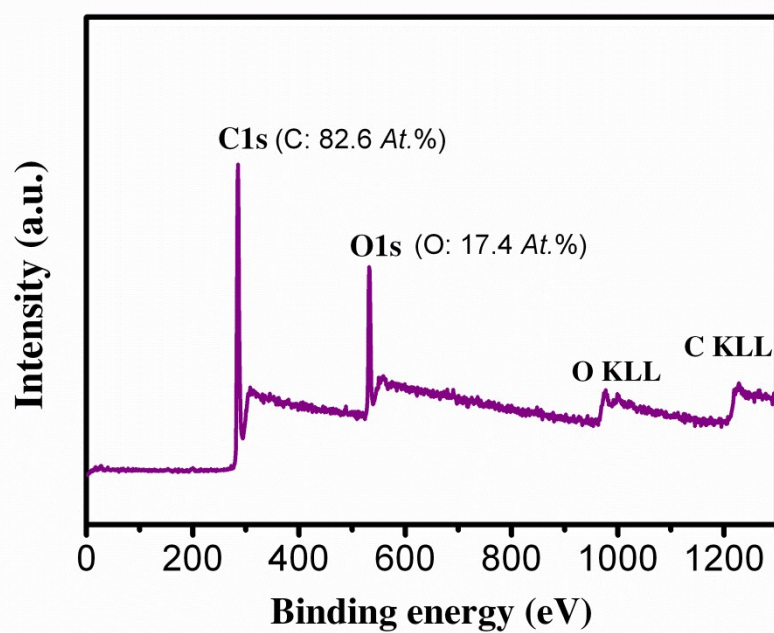


Fig. S4 The XPS survey scan of CQDs.

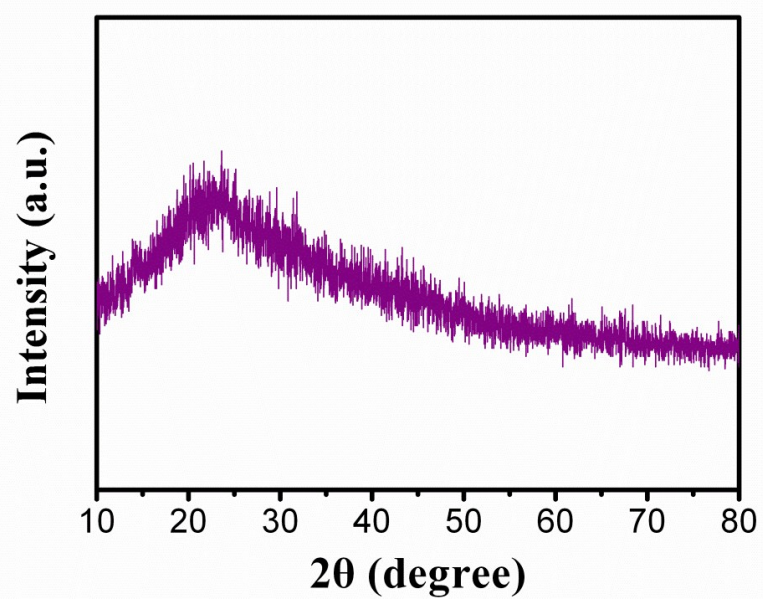


Fig. S5 The XRD pattern of CQDs.

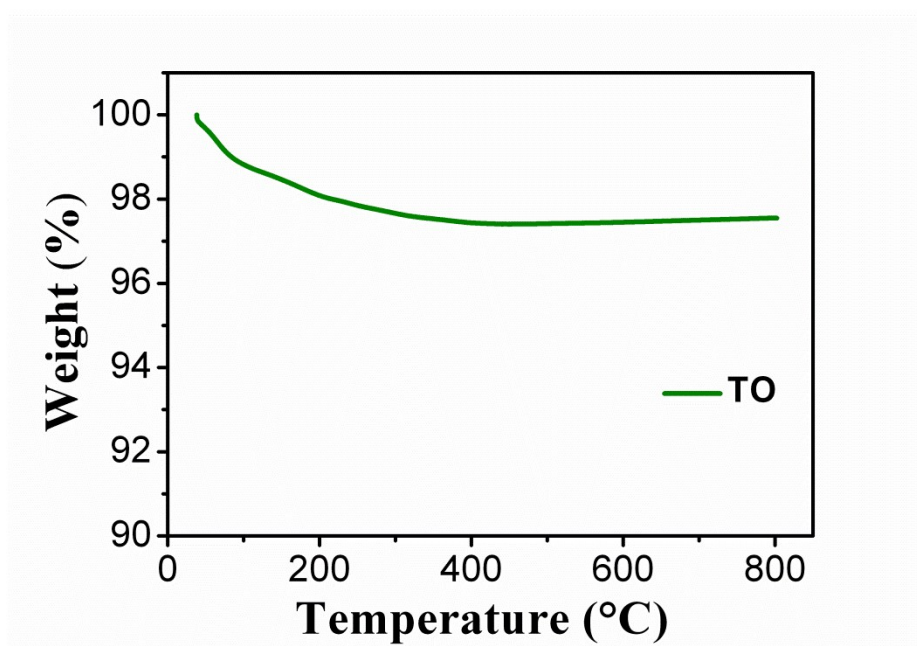


Fig. S6 The TGA curve of pristine TO obtained in air atmosphere from room temperature to 800 °C.