

Got TiO₂ Nanotubes? Lithium Ion Intercalation can Boost Their Photoelectrochemical Performance

Supporting Information

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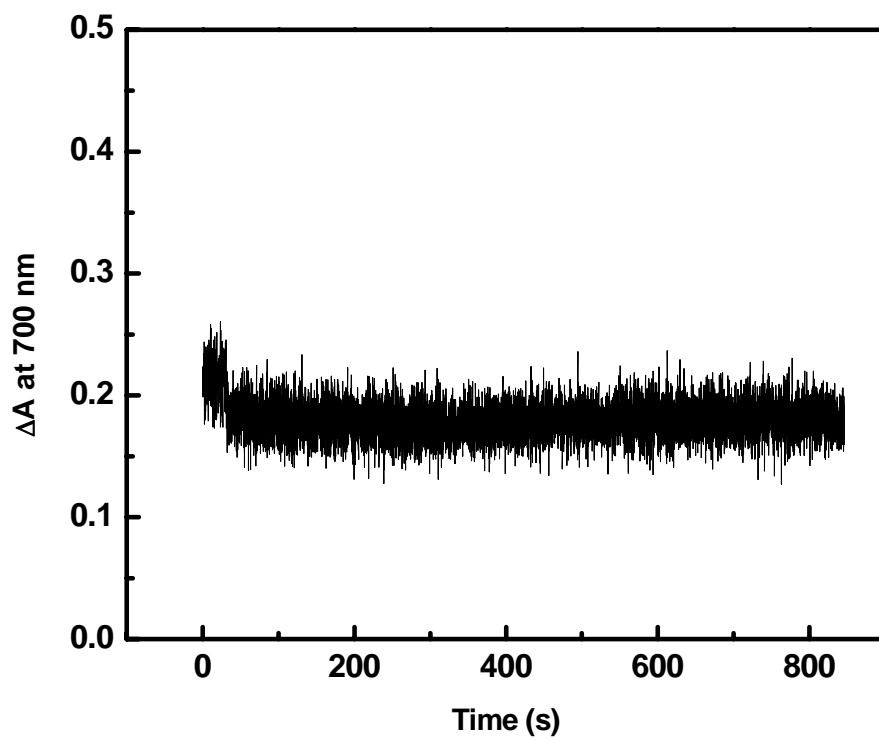


Figure S1: Absorbance at 700 nm as 1V (vs. Ag/AgCl) is applied for 5 minutes. Electrolyte is 1M KOH. Application of voltage occurred after 30s of steady state measurement and ended at 330s.

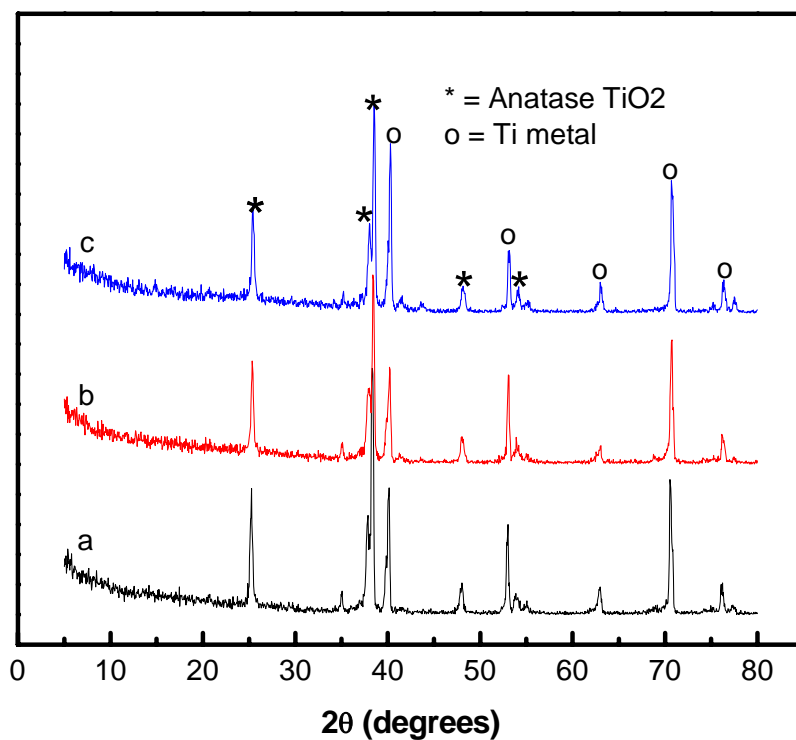


Figure S2: XRD patterns of (a) TiO_2 nanotubes on Ti substrate, (b) TiO_2 nanotubes on Ti substrate after applying potential of -1.5V in 1M LiClO_4 for 3 seconds, and (c) TiO_2 nanotubes on Ti substrate after applying potential of -1.5V in 1M LiClO_4 for 5 minutes