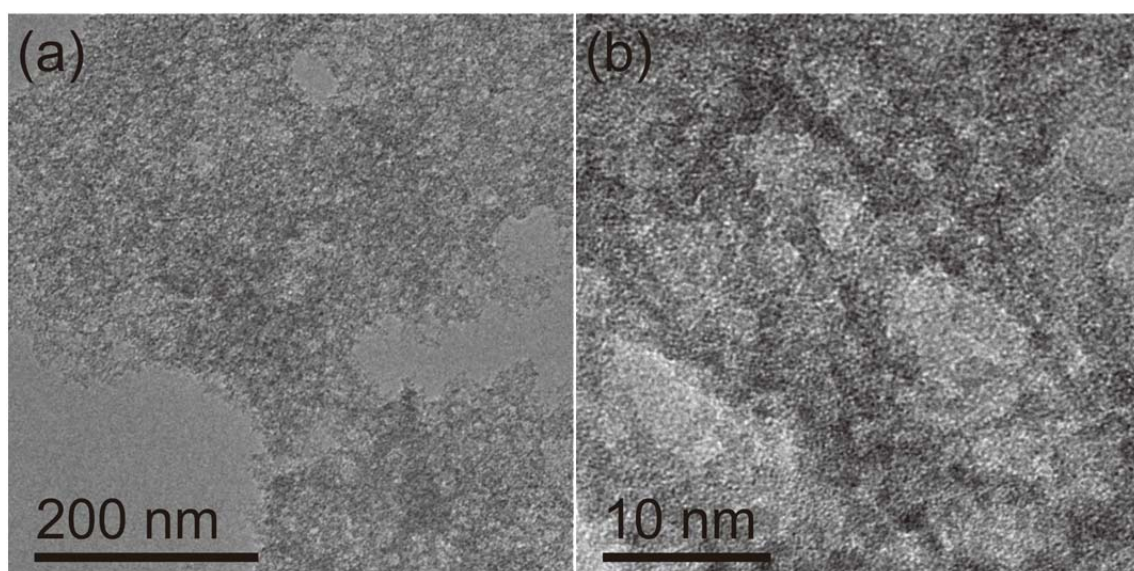


## Supplementary Information†

### Two-dimensional assemblies of ultrathin titanate nanosheets for lithium ion battery anodes

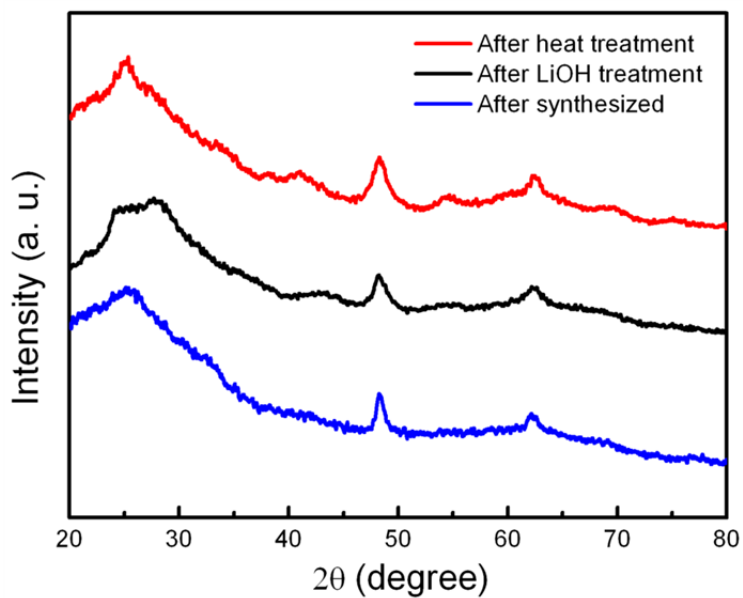
Seung-Ho Yu,<sup>‡</sup> Mihyun Park,<sup>‡</sup> Hyun-Sik Kim, Aihua Jin, Mohammadreza Shokouhimehr, Tae-Young Ahn, Young-Woon Kim, Taeghwan Hyeon\* and Yung-Eun Sung\*



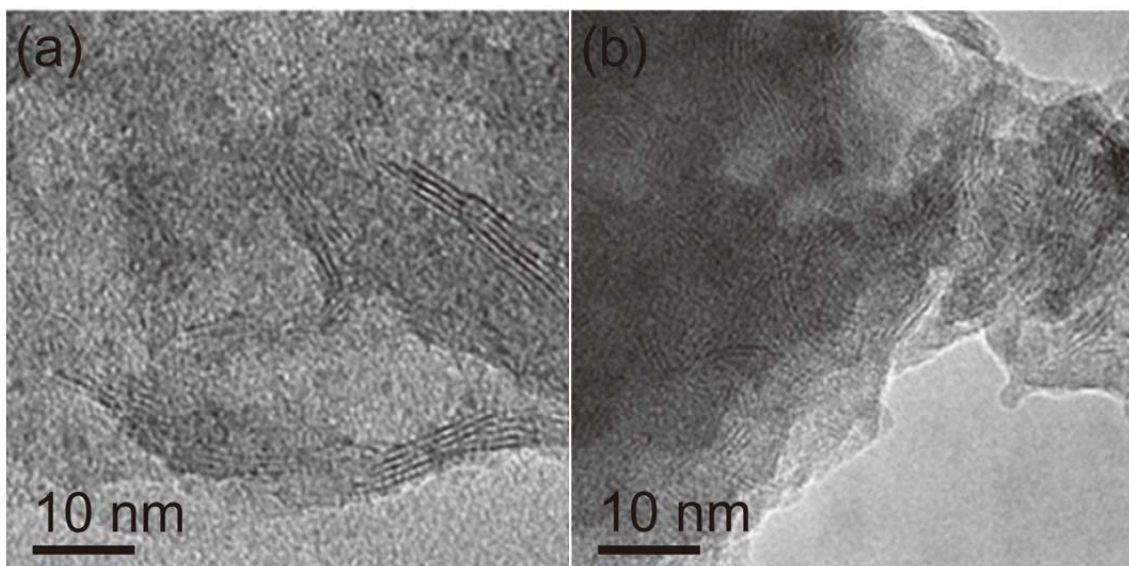
**Fig. S1** TEM images of agglomerated titania nanoparticles prepared using titanium (IV) isopropoxide.



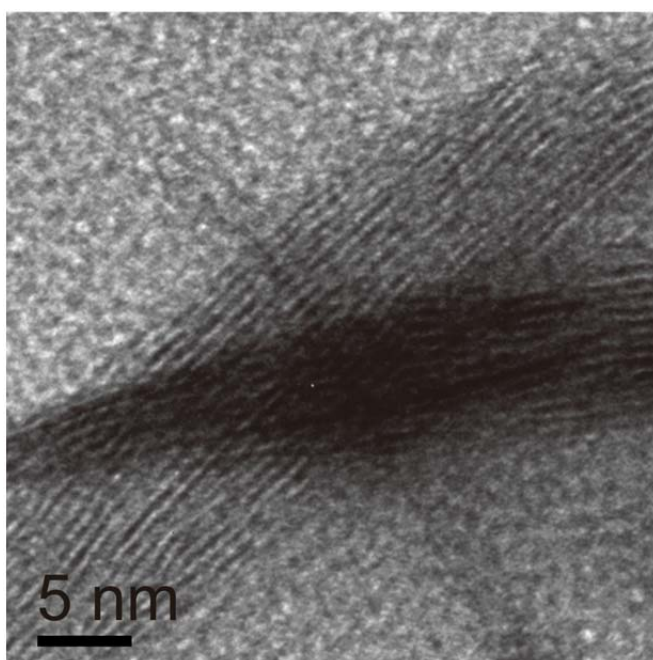
**Fig. S2** A photograph showing 1.87 g of the synthesized nanosheets.



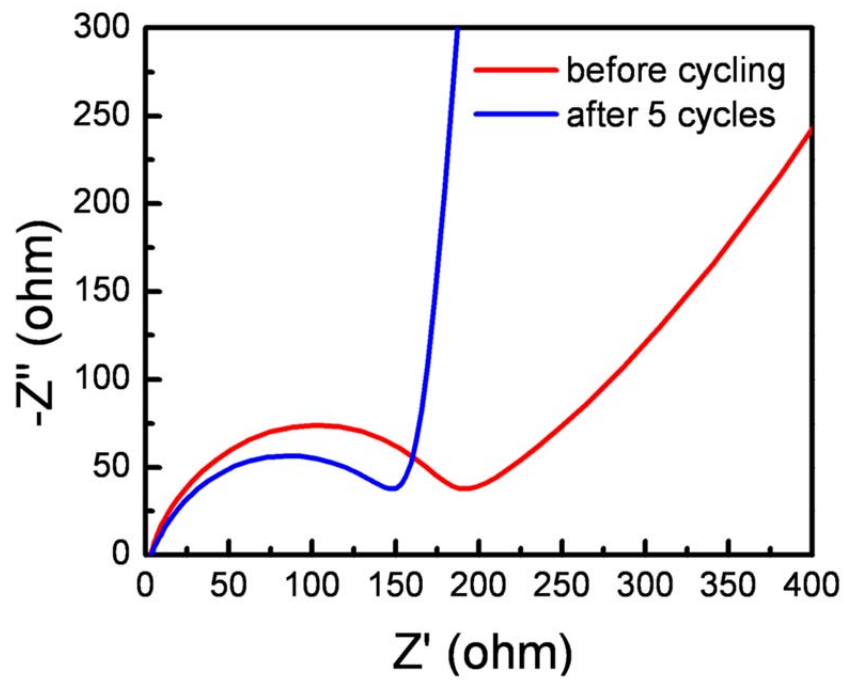
**Fig. S3** X-ray diffraction patterns of the nanosheets followed by the assembly processes.



**Fig. S4** TEM images of the titanate nanosheets treated by (a) KOH and (b) NaOH.



**Fig. S5** HR-TEM image of titanate nanosheets after reaction with LiOH.



**Fig. S6** Electrochemical impedance spectra of titanate nanosheets before and after cycles.