

Supporting information

Synthesis and electrochemical performance of $\text{Li}_4\text{Ti}_5\text{O}_{12}/\text{TiO}_2/\text{C}$ nanocrystallines for high-rate lithium ion batteries

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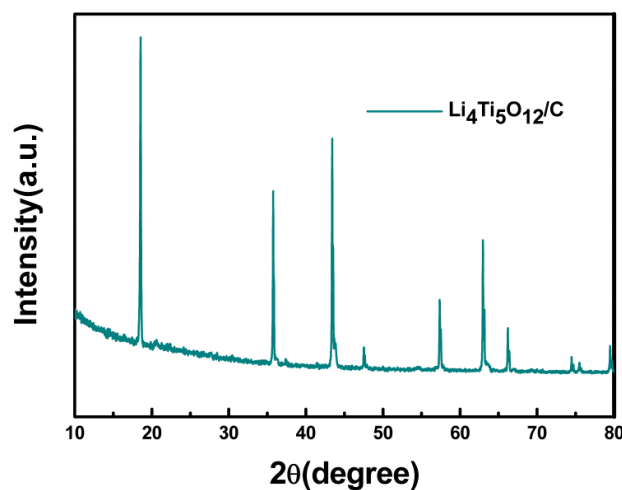


Fig. S1 XRD pattern of the $\text{Li}_4\text{Ti}_5\text{O}_{12}/\text{C}$ composite.

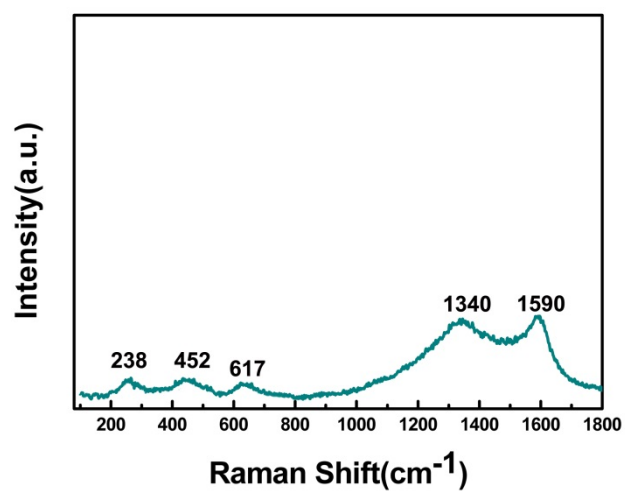


Fig. S2 Raman spectra of the $\text{Li}_4\text{Ti}_5\text{O}_{12}/\text{C}$ composite.

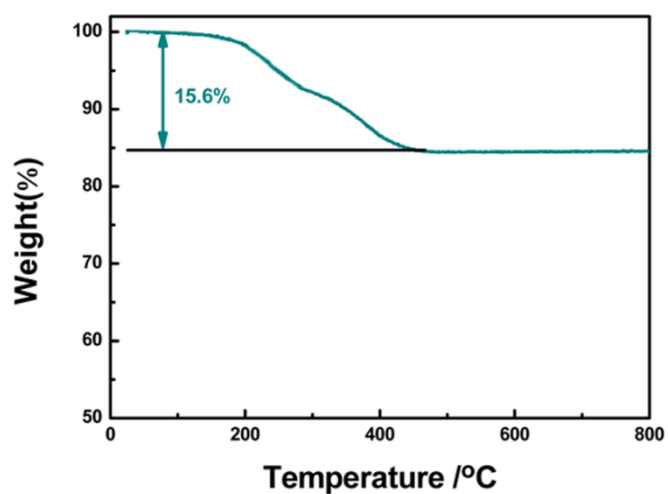


Fig. S3 TG curve of the $\text{Li}_4\text{Ti}_5\text{O}_{12}/\text{C}$ composite.

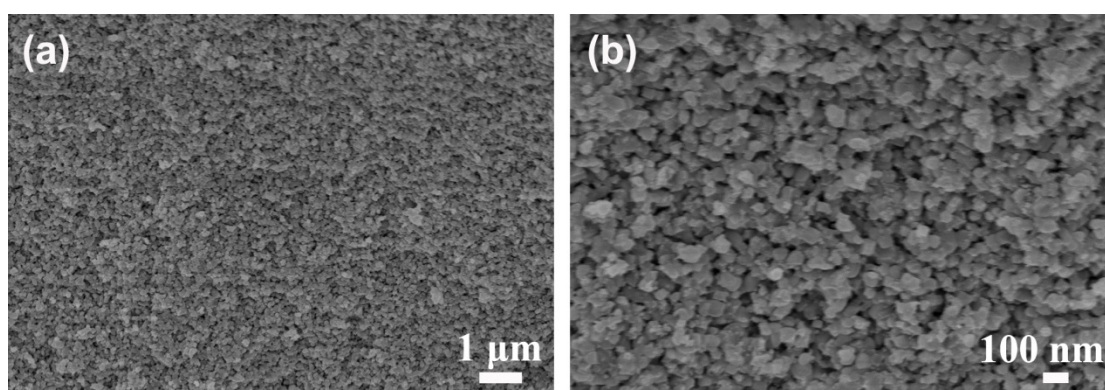


Fig. S4 Typical low-magnification (a) and high-magnification (b) SEM images of the $\text{Li}_4\text{Ti}_5\text{O}_{12}/\text{C}$ composite.

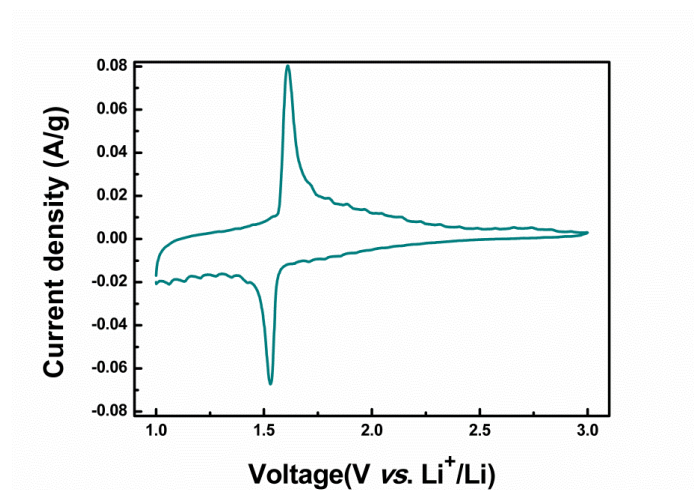


Fig. S5 CV curve of the $\text{Li}_4\text{Ti}_5\text{O}_{12}/\text{C}$ composite.