

Supplementary Material (ESI) for RSC Advances

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Anatase/rutile TiO₂ nanocomposite microspheres with hierarchically porous structures for high-performance lithium-ion batteries

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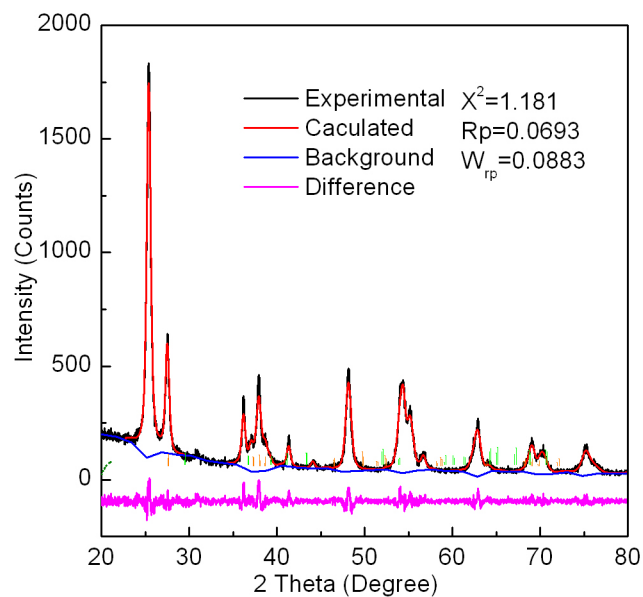


Fig. S1. XRD pattern and Rietveld analysis of ART nanocomposite microspheres. The difference spectrum is shown above. The lower vertical lines are the lines in the anatase and rutile standards, respectively.

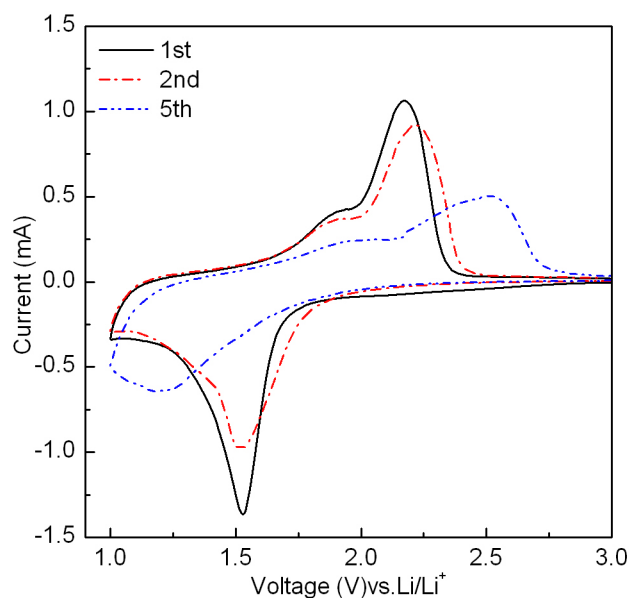


Fig. S2 Representative CVs of the electrode made from as-prepared ART at a scan rate of 0.2 mV s^{-1} in the voltage range of 1-3 V versus Li^+/Li for the first, second, and fifth cycles.

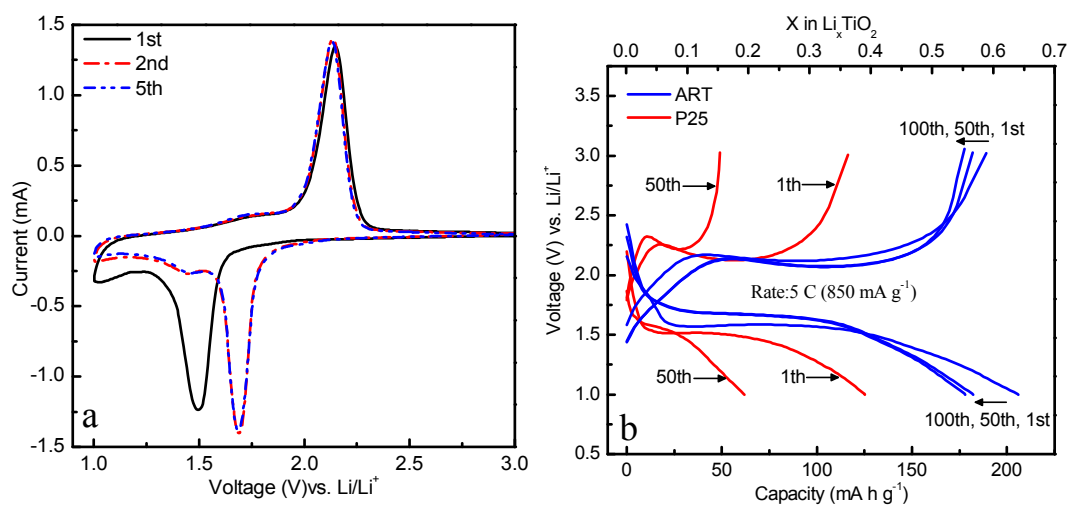


Fig. S3 (a) CVs of the electrode made from ART at a scan rate of 0.2 mV s^{-1} in the voltage range of 1–3 V versus Li^+/Li . The 2nd and 5th cycles are superimposed. (b) Galvanostatic insertion and desorption curves of ART nanocomposite measured at a scan rate of 5 C after 1, 50, 80 and 100 cycles and P25 at 5 C for 50 cycles at 1–3 V versus Li^+/Li .