Supplementary Material (ESI) for Energy & Environmental Science

Supplementary Information

Evaluation of Si/Carbon Composite Nanofiber-Based Insertion Anodes for New-Generation Rechargeable Lithium-Ion Batteries

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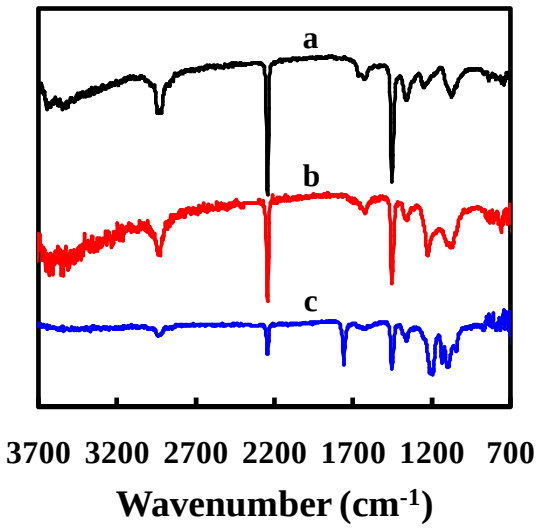

Fig. S1 ATR-FTIR spectra of (a) pure PAN, (b) Si/PAN, and (c) Si/PAN/PLLA nanofibers.

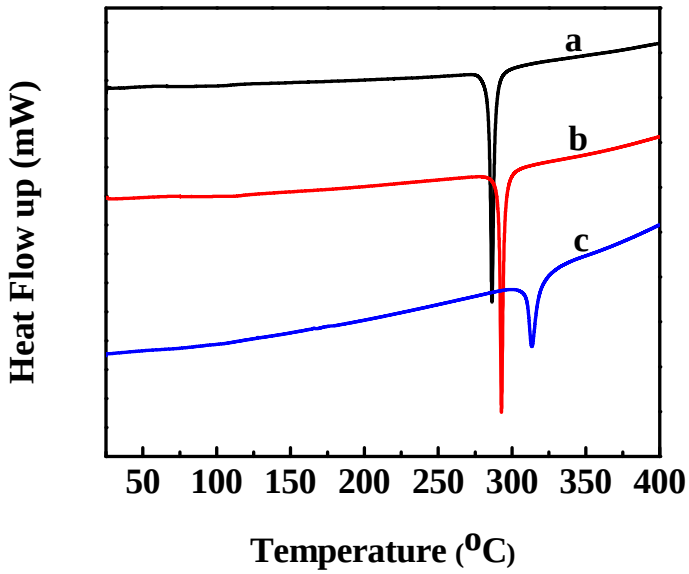

Fig. S2 DSC thermograms of (a) pure PAN, (b) Si/PAN, and (c) Si/PAN/PLLA nanofibers

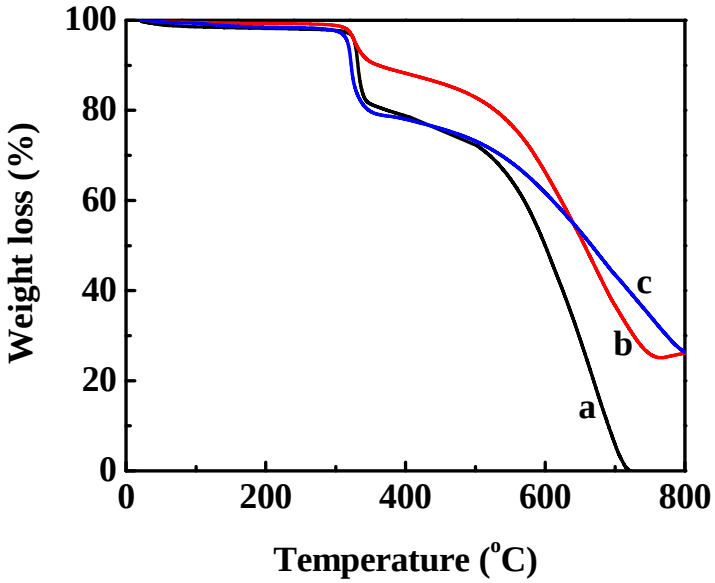

Fig. S3 TGA thermograms of (a) pure PAN, (b) Si/PAN, and (c) Si/PAN/PLLA nanofibers.

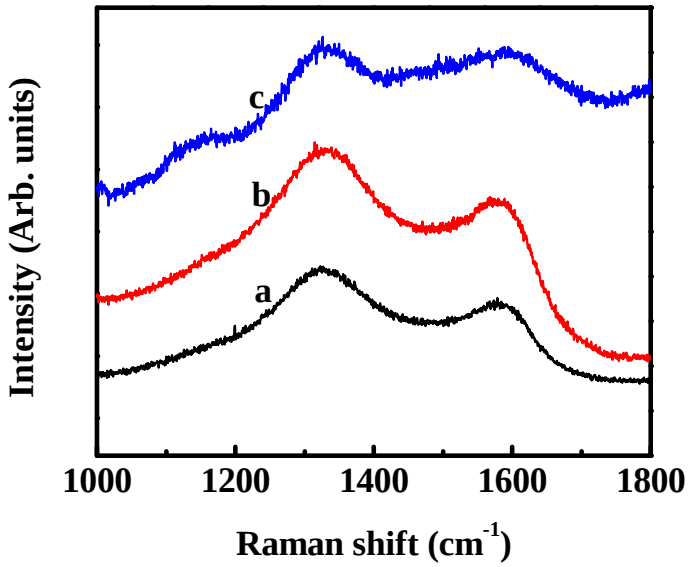

Fig. S4 Raman spectra of (a) pure CNFs, (b) Si/CNFs (100/0), and (C) Si/CNFs (85/15).