Supporting information for

One-pot synthesis of carbon-coated VO$_2$(B) nanobelts for high-rate lithium storage

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Figure S1. (a) Raman spectra of the as-prepared samples obtained at different I_{IV2O5:sucrose} in the hydrothermal process. (i) I = 5.00, (ii) I = 2.50, (iii) I = 1.67 and (iv) I = 1.25. (b) XPS C 1s region for the sample prepared at I = 1.25.
Figure S2. CV plots of VO$_2$(B)@C electrodes with different scan rates of 0.1, 0.2, 0.3 and 0.5 mV s$^{-1}$ during the 3$^{rd}$ cycle. (a) VO$_2$(B)@C(4.2 wt%), (b) VO$_2$(B)@C(6.6 wt%), (c) VO$_2$(B)@C(8.4 wt%) and (d) VO$_2$(B)@C(9.6 wt%).