Supporting information

In-situ synthesis of carbon fiber-supported SiOₓ as anode materials for lithium ion batteries

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**Fig. S1** FESEM images of CF (a) top surface image, and (b) cross-section images.

**Fig. S2** FESEM images of SiO$_x$ particles.

**Fig.S3** Cycling performances of CF and SiO$_x$ at 250 mA g$^{-1}$ between 0.01 and 2.0 V.
Fig.S4 Galvanostatic voltage profiles of CF-SiO$_x$-3 at 250 mA g$^{-1}$ between 0.01 and 2.0 V.