Electronic Supplementary Information (ESI) for

Porous SnO$_2$-Fe$_2$O$_3$ nanocubes with improved electrochemical performance for lithium ion batteries

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Fig. S1 TG profile of nanocubic Sn$_3$[Fe(CN)$_6$]$_4$ precursor.
Fig. S2 The differential capacity vs voltage of SnO$_2$-Fe$_2$O$_3$ cell cycled at 200 mA g$^{-1}$.

Fig. S3 SEM images of the precursor Sn$_3$[Fe(CN)$_6$]$_4$ obtained under different solvothermal temperatures: (a) 120 °C and (b) 180 °C.
Fig. S4 Cycling performance of SnO$_2$-Fe$_2$O$_3$ samples with Sn/Fe mole ratios of 7.26 (a) and 1.53 (b) at the current density of 2000 mA g$^{-1}$. 

![Diagram showing cycling performance of SnO$_2$-Fe$_2$O$_3$ samples]