Supplementary Information

Reduction chemical reaction synthesized scalable 3D porous silicon/carbon hybrid architectures as anode materials for lithium ion battery with enhanced electrochemical performance

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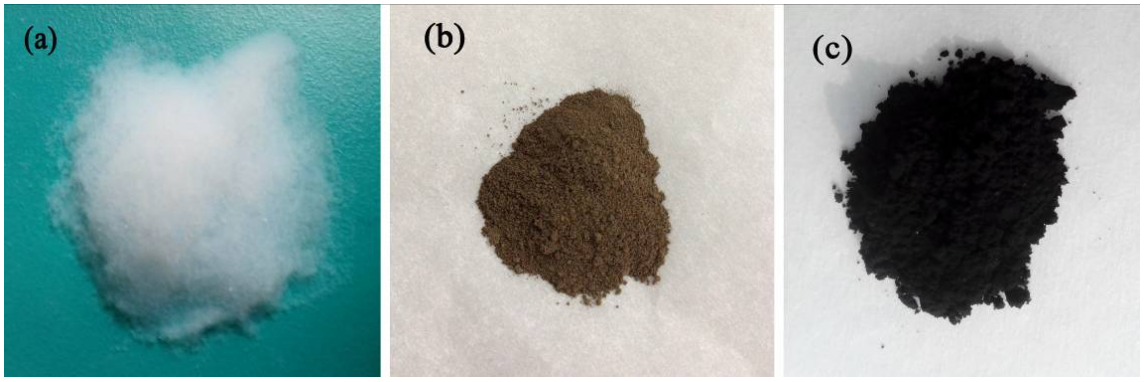

Fig. S1. Optical images of the synthesized samples, (a) SiO_2 aerogel, (b) porous Si, and (c) porous Si/C hyrbids.

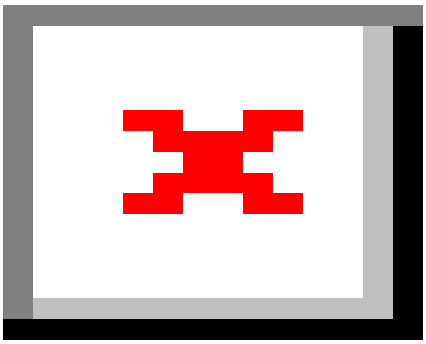

Fig. S2. FE-SEM images of the silica aerogels.

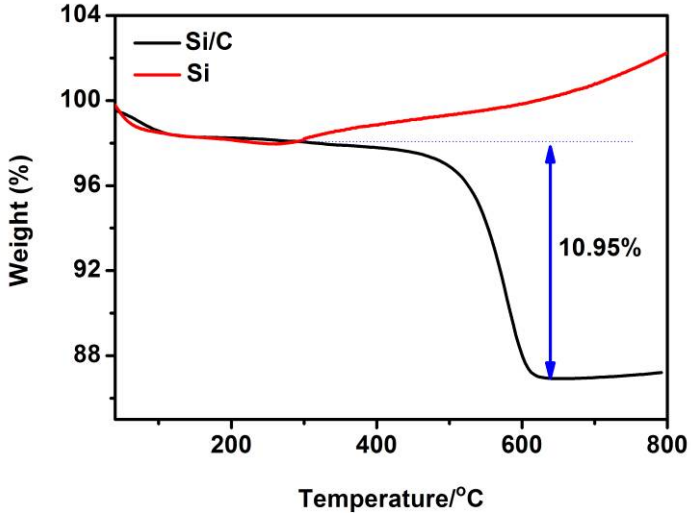

Fig. S3. TGA curves of the porous Si/C hybrids under air at a rate of 10 °C min^{-1} from 40 to 800 °C.

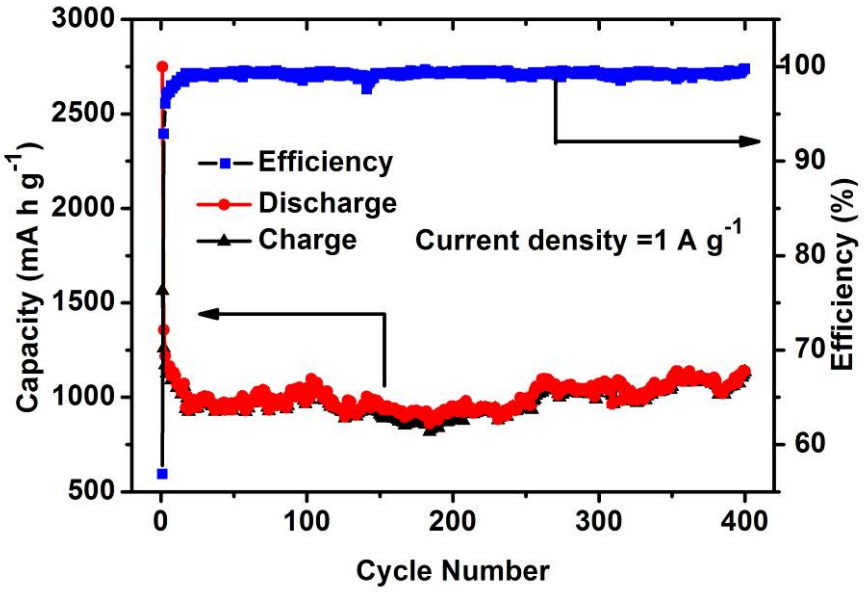

Fig S4. Long cycle performance of the Si/C hybrid material