

Supporting Information

Si@SiO₂ Nanowires/Carbon Textiles Cable-type Anodes for High-Capacity Reversible Lithium-Ion Batteries

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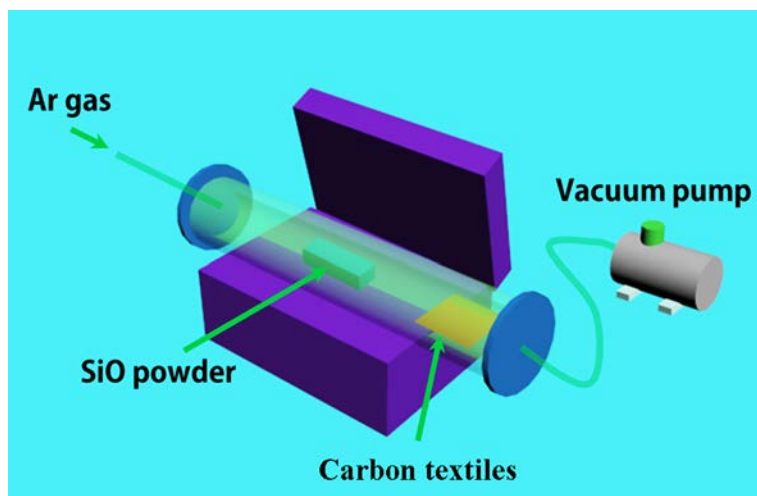


Figure S1. Schematic illustration of the experimental facility

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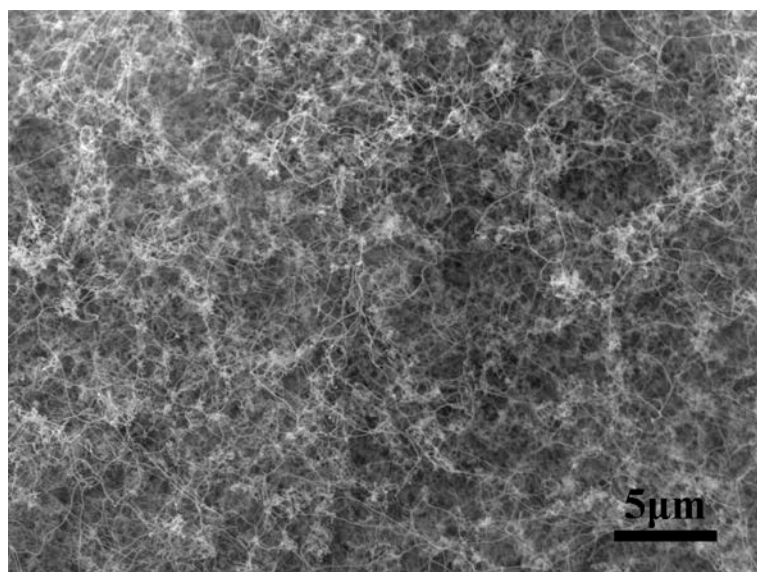


Figure S2. SEM image of Si@SiO₂ nanowires/carbon fiber.

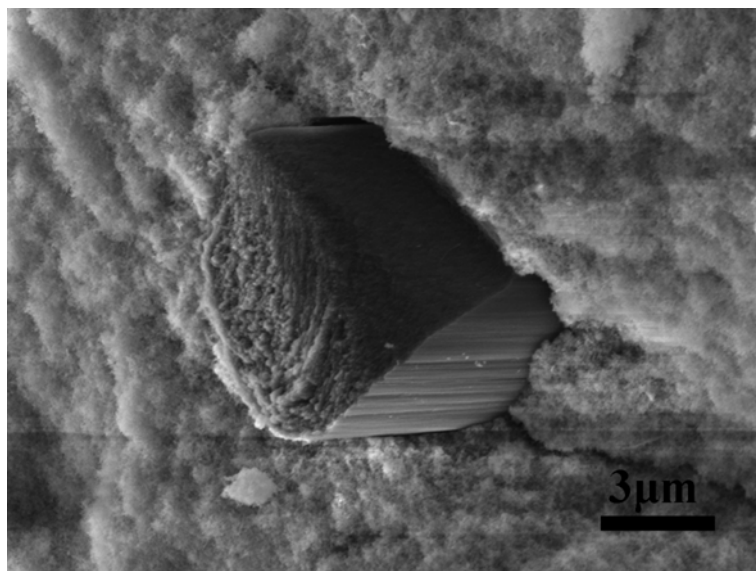


Figure S3. Cross section SEM image of Si@SiO₂ nanowires/carbon fiber.

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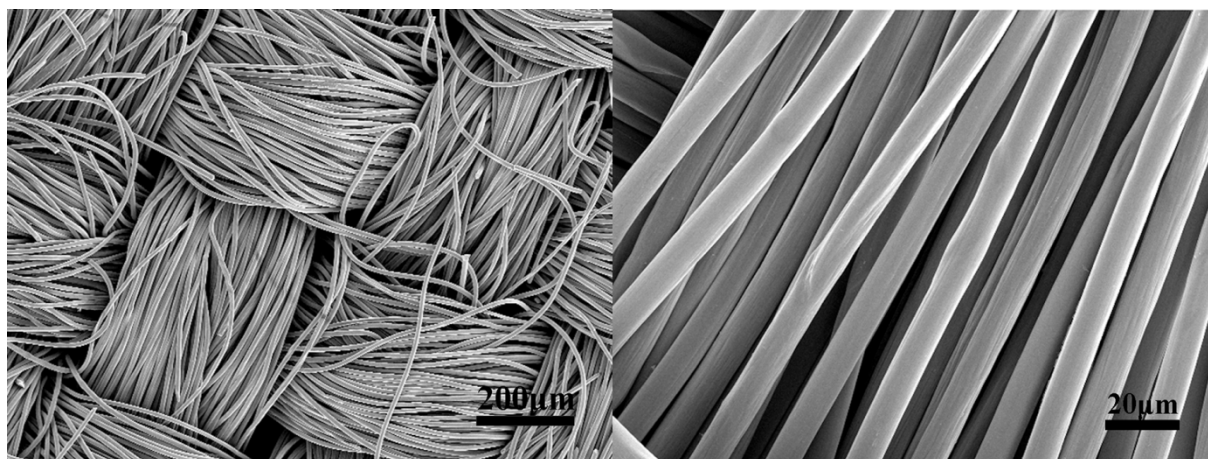


Figure S4. SEM of pure carbon textiles.

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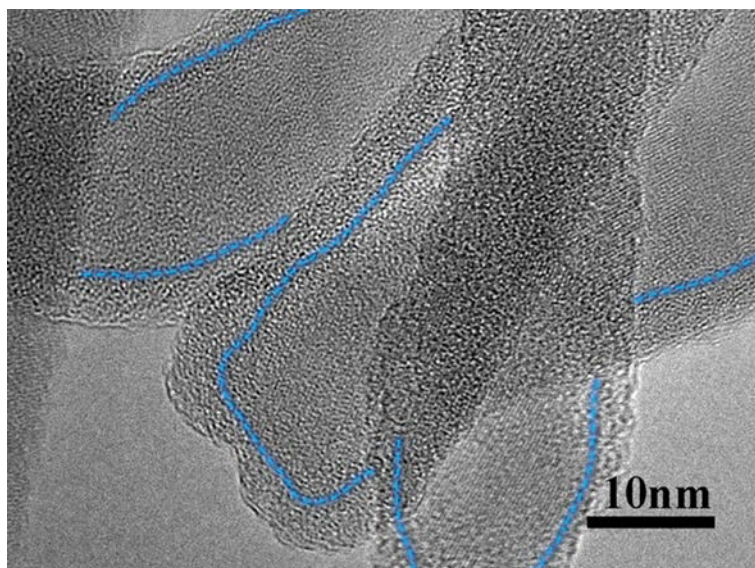
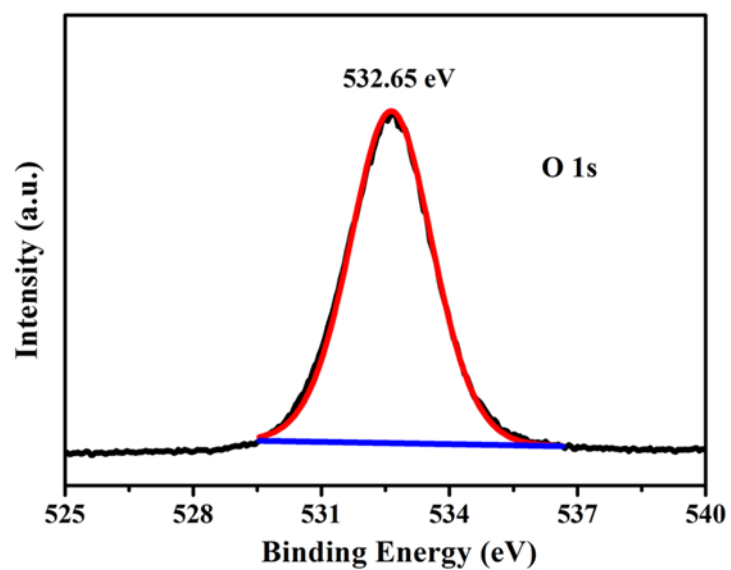


Figure S5. TEM of ultrafine core-shell Si@SiO₂ nanowires.

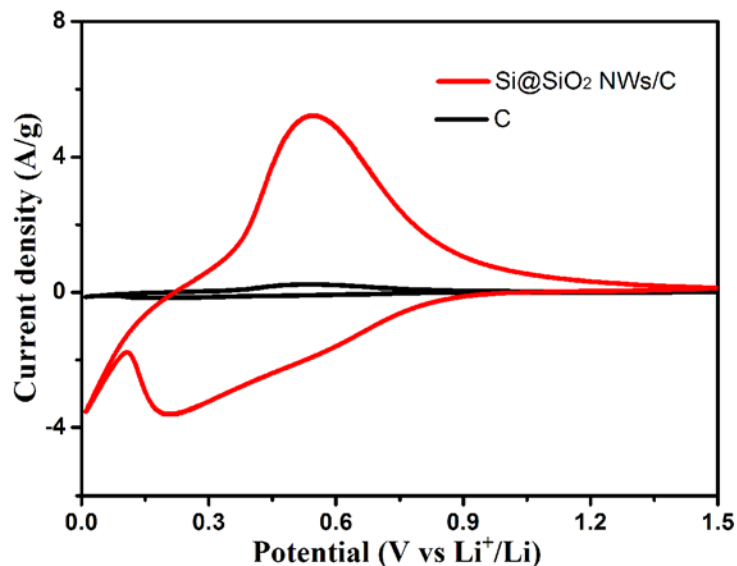
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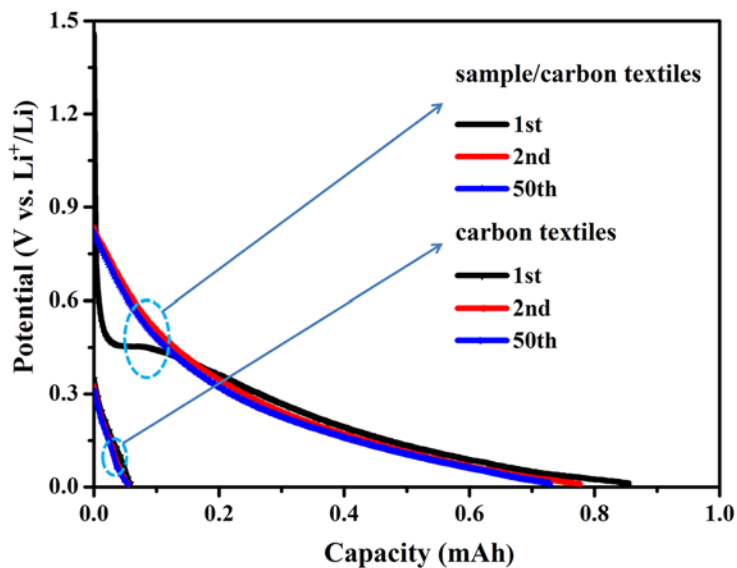
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Figure S6. XPS spectrum of O 1s.

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5 **Figure S7.** Cyclic voltammetry (CV) for the Si@SiO₂ NWs/C and pure C electrodes.



10 **Figure S8.** Galvanostatic discharge curves of samples/carbon fabric and carbon fabric.

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Figure S9. The practical application of the full cells, which can easily lighten LEDs with different colors.