

Electronic Supplementary Information for A SiO_x/C@RGO three dimensional nanocomposite as a high energy anode material for lithium-ion batteries †

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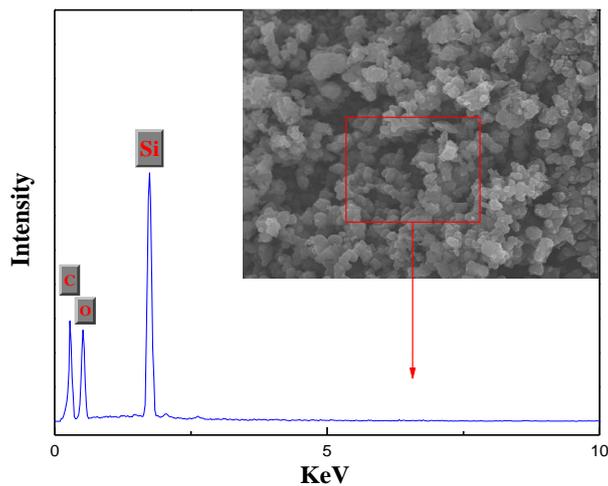
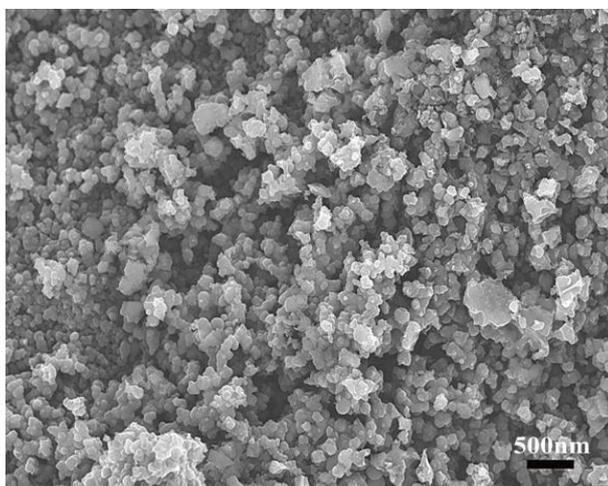


Fig. S1 EDAX spectra from the surface of the SiO_x/C NPs.



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Fig. S2 FESEM of the SiO_x/C NPs.

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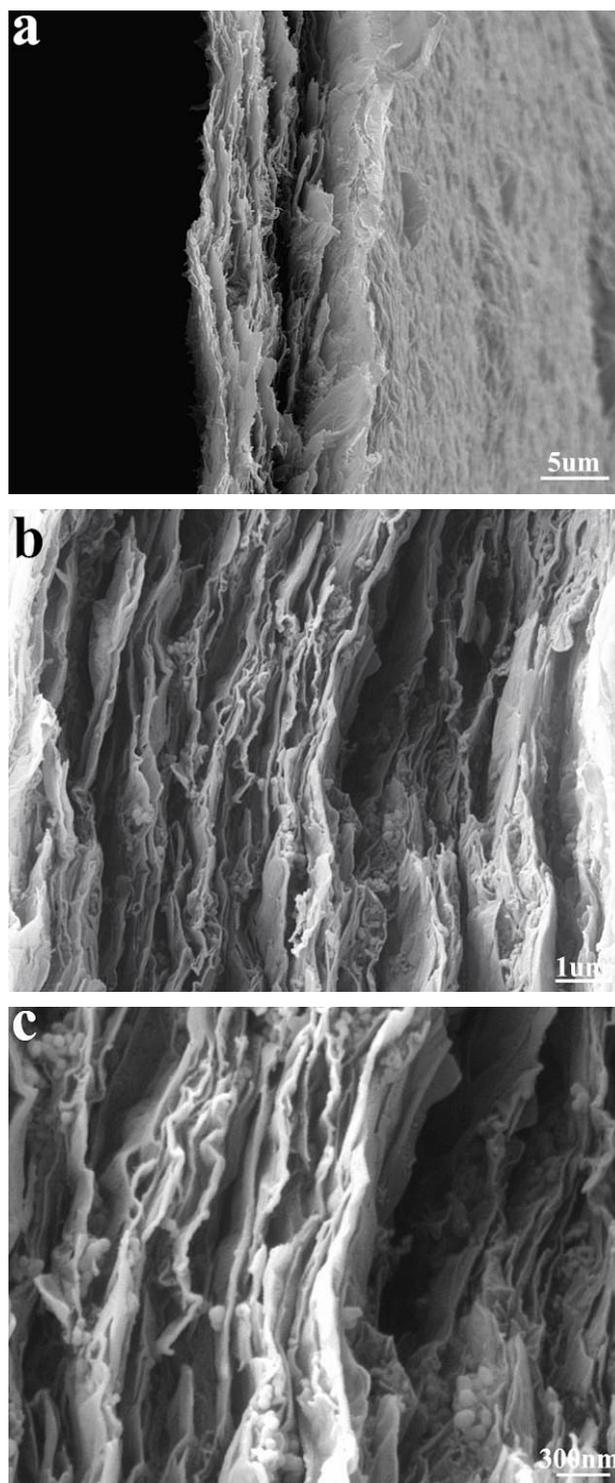


Fig. S3 Cross-section view FESEM images of SiO_x/C@RGO at different magnification.

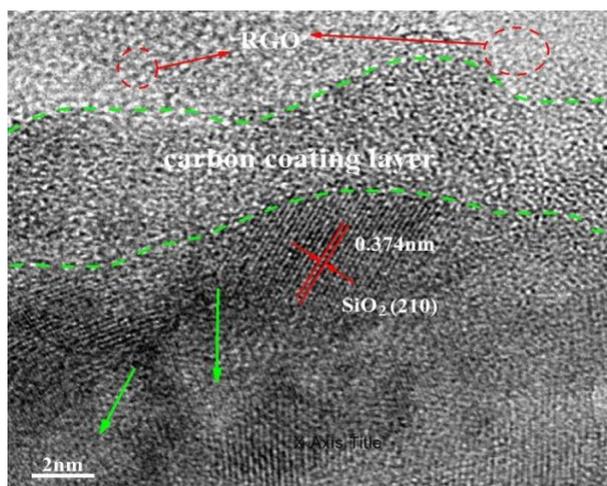


Fig. S4 HRTEM of the SiO_x/C@RGO NCPs.

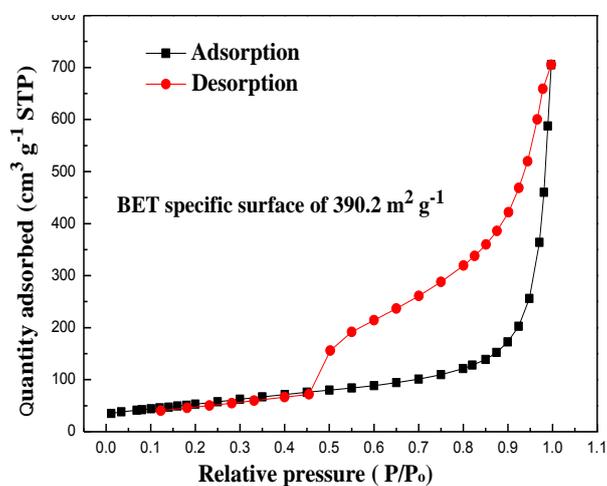


Fig. S5 BET isothermal profile of SiO_x/C@RGO NCPs.

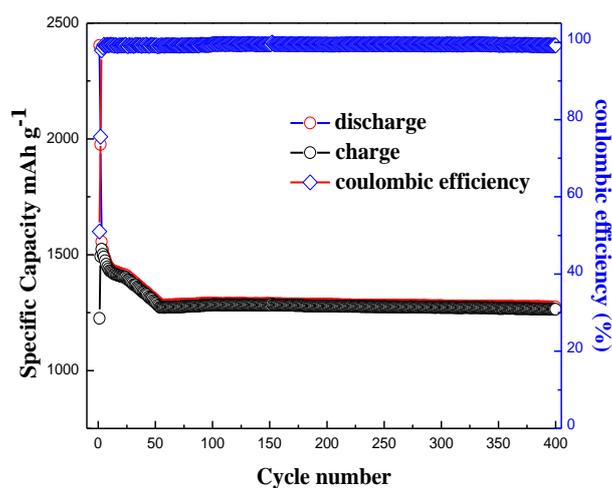


Fig. S6 Superior cycle stability of SiO_x/C@RGO NCPs in the long-run up to 400 cycles under a current density of 100 mA g⁻¹. (Red: discharge capacity; Black: charge capacity; blue: coulombic efficiency)