

Supporting information

A composite with SiO_x nanoparticles confined in carbon framework as an
anode material for lithium ion battery

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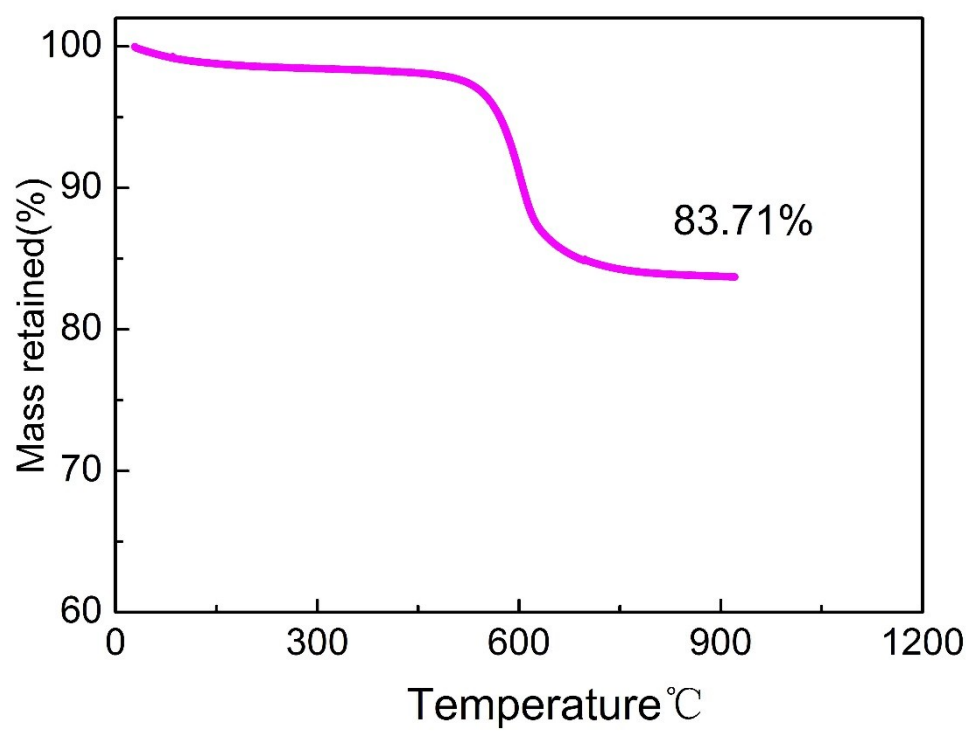


Fig. S1 TGA curve of the SiO_x/C NPs under air atmosphere with a rate of 10 °C min⁻¹

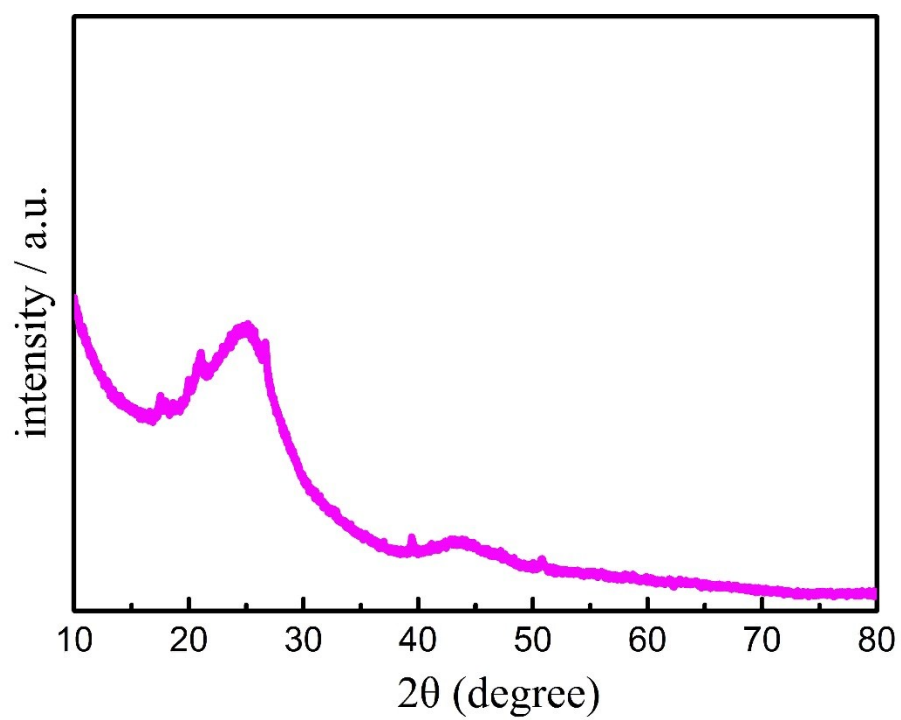


Fig. S2 XRD patterns of the porous carbon.

Table. S1 the element content of SiO_x/C NPs by the EDX.

Element	C (K)	O (K)	Si (K)
Weight %	14.72	40.27	45.01
Atomic %	22.93	47.09	29.98

Table. S2 the element content of porous carbon by the EDX.

Element	C (K)
Weight %	100.00
Atomic %	100.00

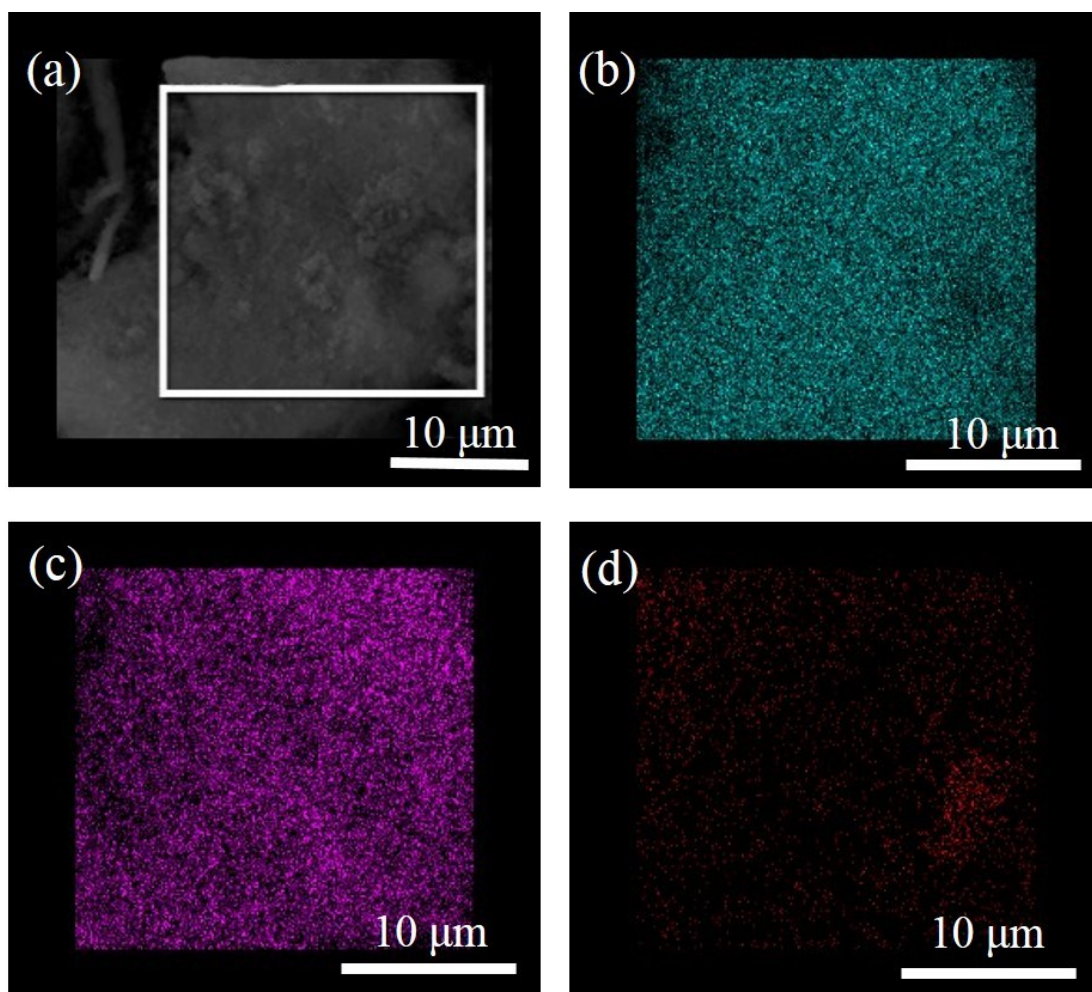


Fig. S3 SEM image (a) and elemental mapping images (b) Si, (c) O, (d) C of the SiO_x/C NPs.

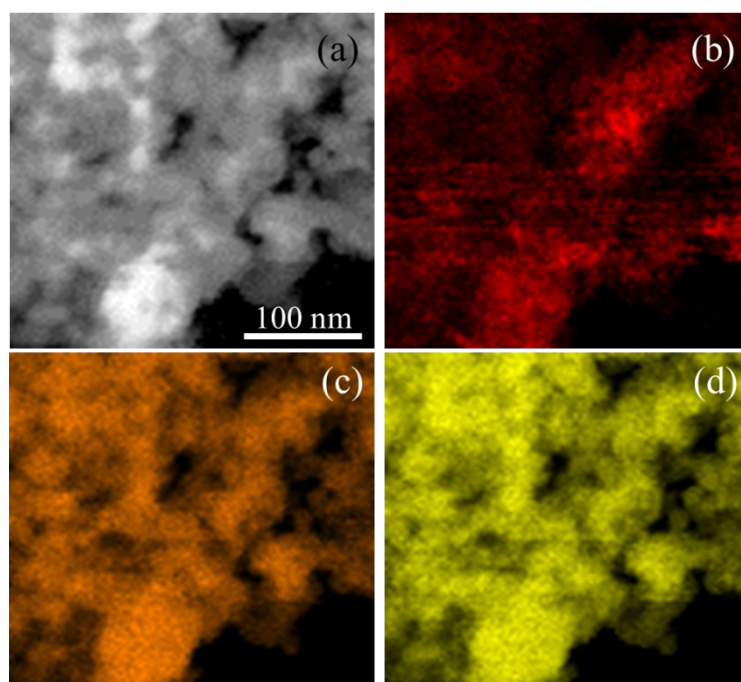


Fig. S4 TEM image (a) and elemental mapping images (b) C, (c) O, (d) Si of the SiO_x/C NPs.