

[Electronic Supplementary Information]

**Electrochemically grown three-dimensional porous Si@Ni inverse
opal structure for higher-performance Li ion battery anode**

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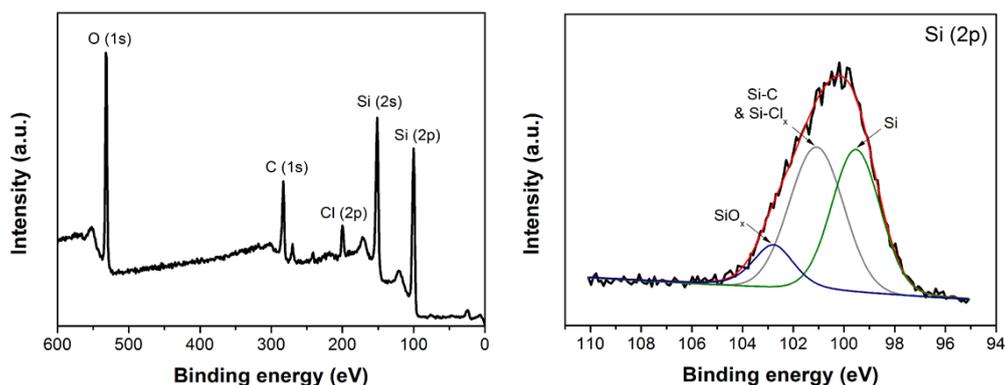


Fig. S1 Typical low resolution XPS spectrum recorded of as-prepared 3D porous Si@Ni inverse opal structure between 0 and 600 eV (left), and high resolution Si 2p spectrum of the sample (right), respectively.^{S1-S3}

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