

Supporting Information

One-Step Synthesis of Silicon/Hematite@Carbon Hybrid Nanosheets/Silicon Sandwich-Like Composite as Anode Material for Li-ion Batteries

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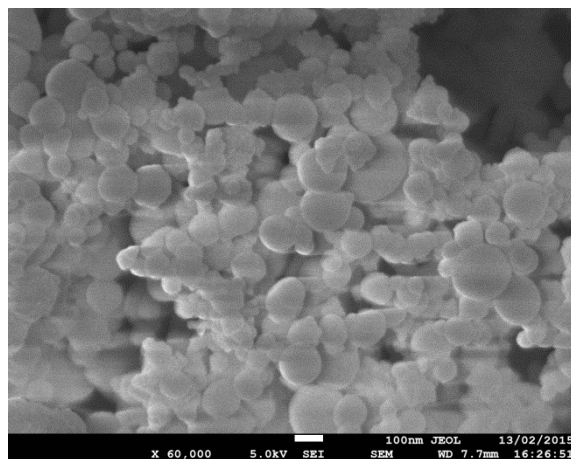


Fig. S1. SEM image of Si NPs.

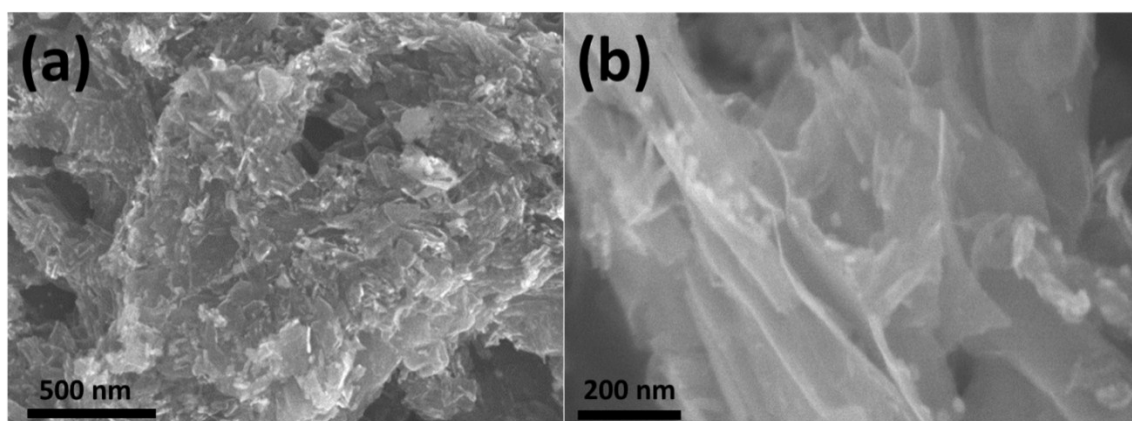


Fig. S2. SEM pictures of the sheet-like C@Fe₂O₃

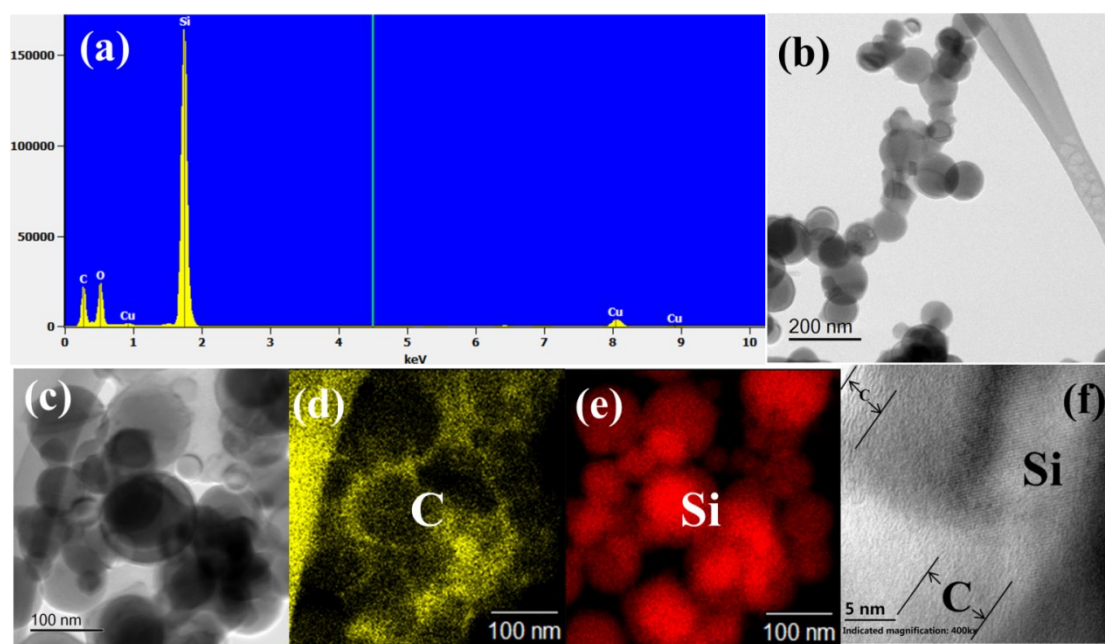


Fig. S3. C-Si: EDX spectrum (a), TEM images (b, c), the corresponding carbon (yellow) and silicon (red) elemental mapping images (d and e), and the HRTEM picture of C-Si (f).

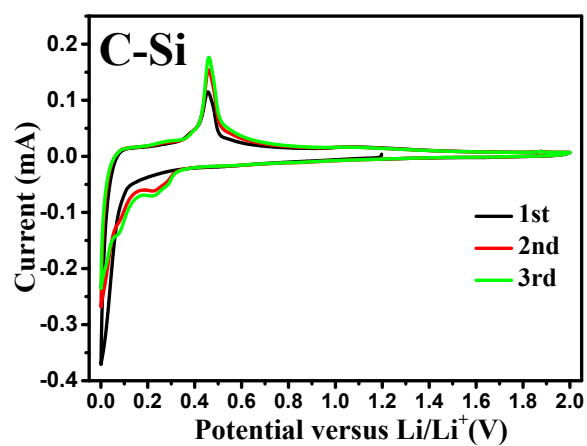


Fig. S4. The first three consecutive CV curves of C-Si at a scan rate 0.1 mV s^{-1} .

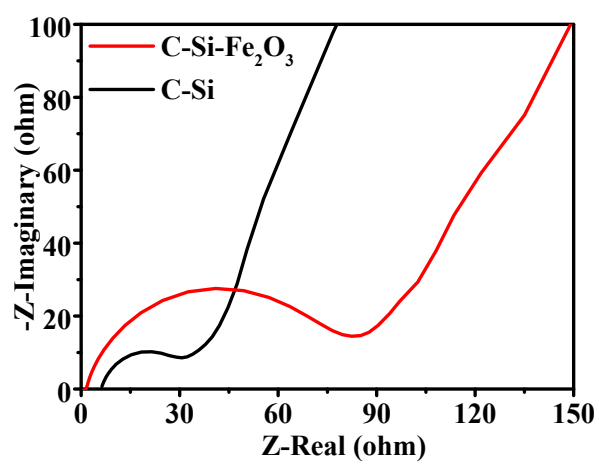


Fig. S5. Electrochemical impedance plots of C-Si-Fe₂O₃ and C-Si.