

Supplementary Material (ESI) for Journal of Materials Chemistry A

Hierarchical Porous $\text{Li}_2\text{FeSiO}_4/\text{C}$ Composite with 2 Li Storage Capacity and Long Cycle Stability for Advanced Li-ion Batteries

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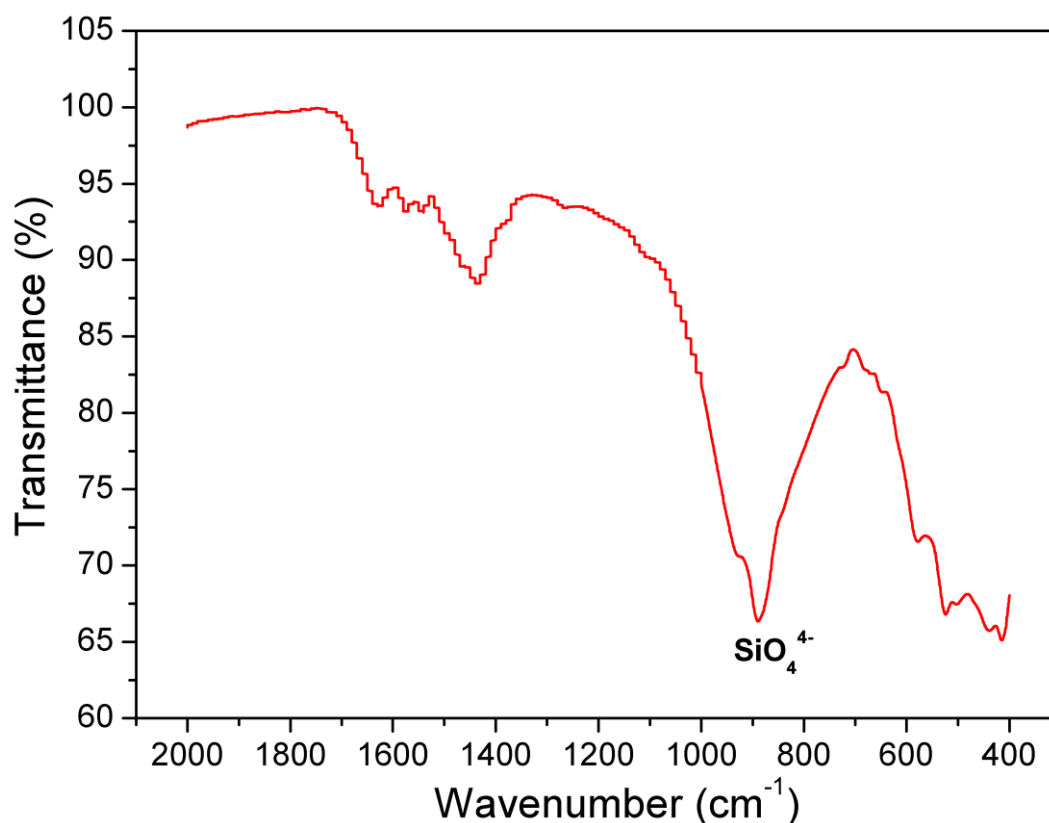


Figure S1. FTIR spectrum of the $\text{Li}_2\text{FeSiO}_4/\text{C}$ composite.

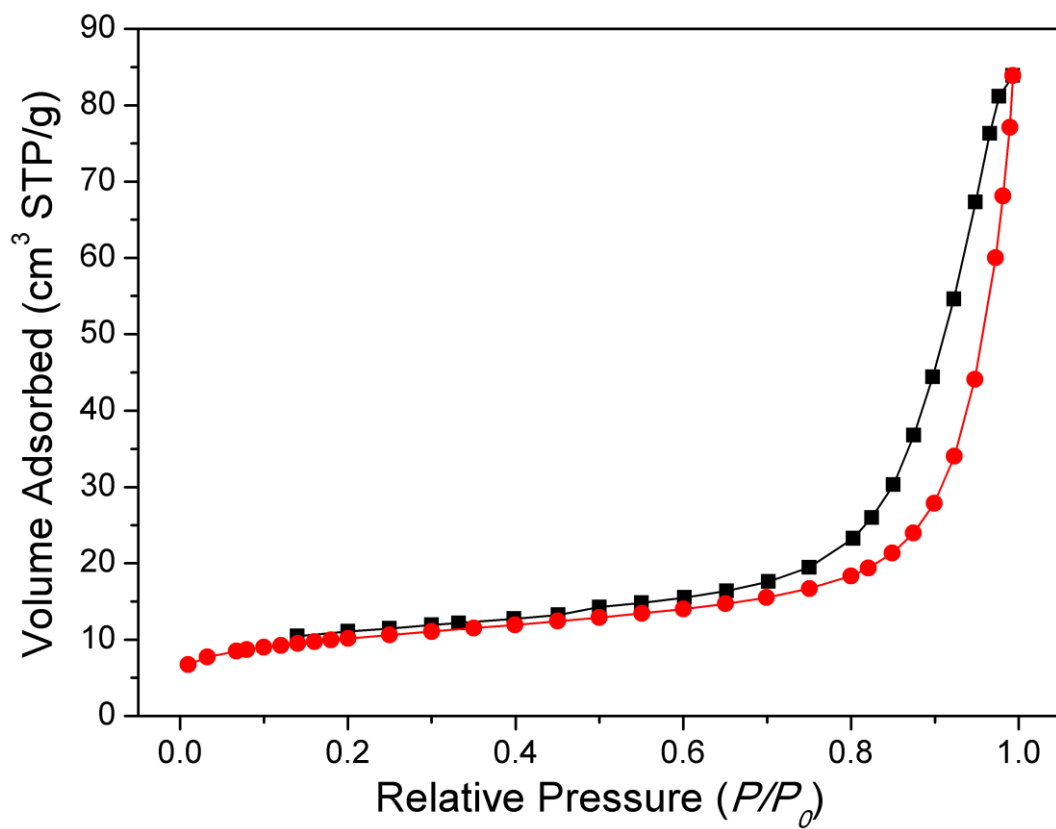


Figure S2. N₂ sorption isotherm of porous Li₂FeSiO₄/C composite.

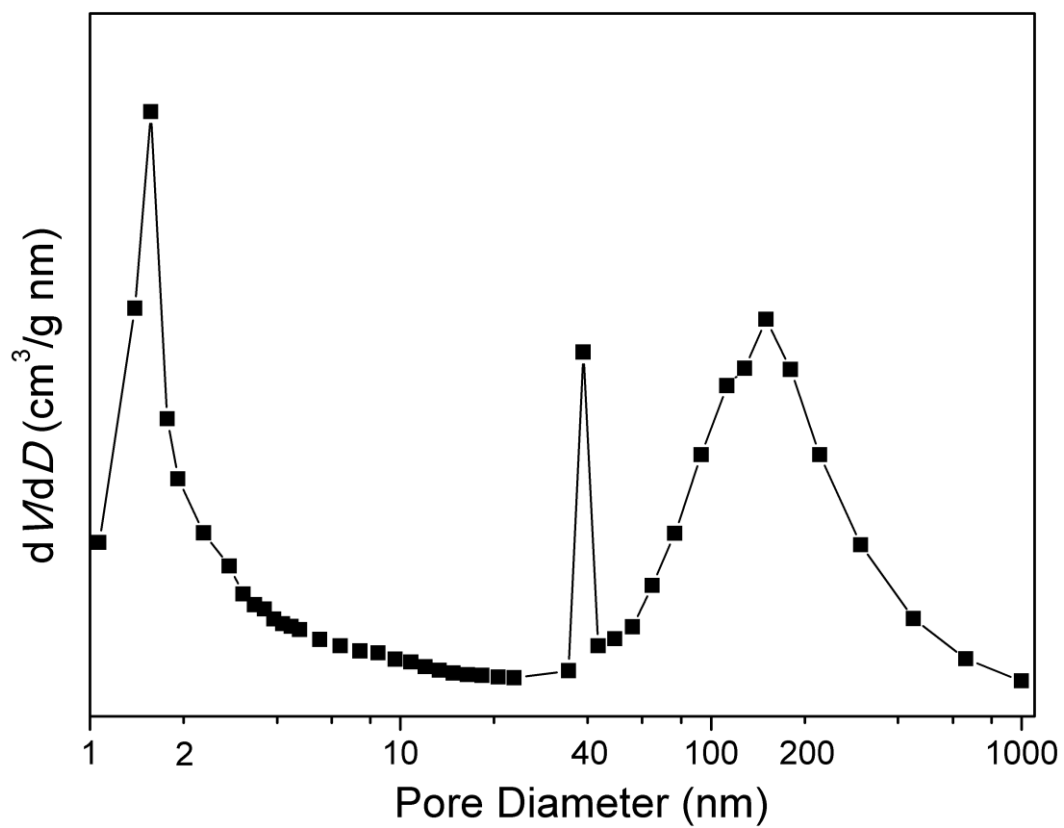


Figure S3. Pore size distribution of porous $\text{Li}_2\text{FeSiO}_4/\text{C}$ composite.

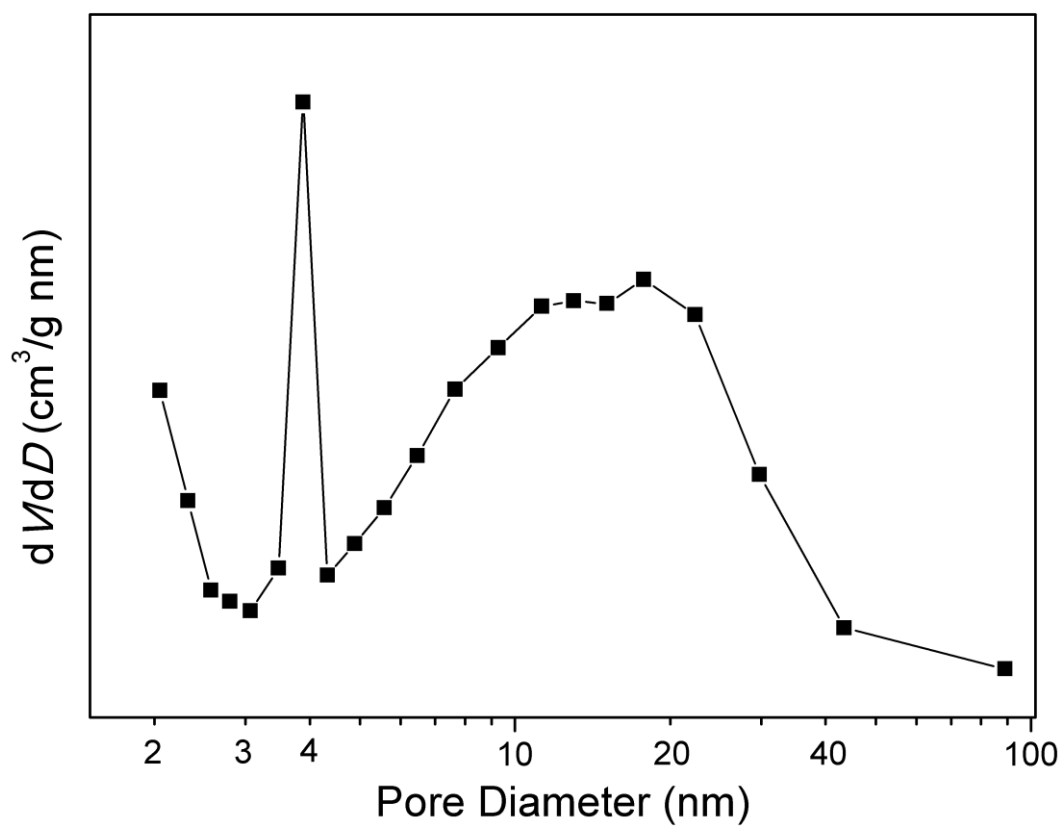


Figure S4. Pore size distribution of the intermediates after calcination at 450 °C.

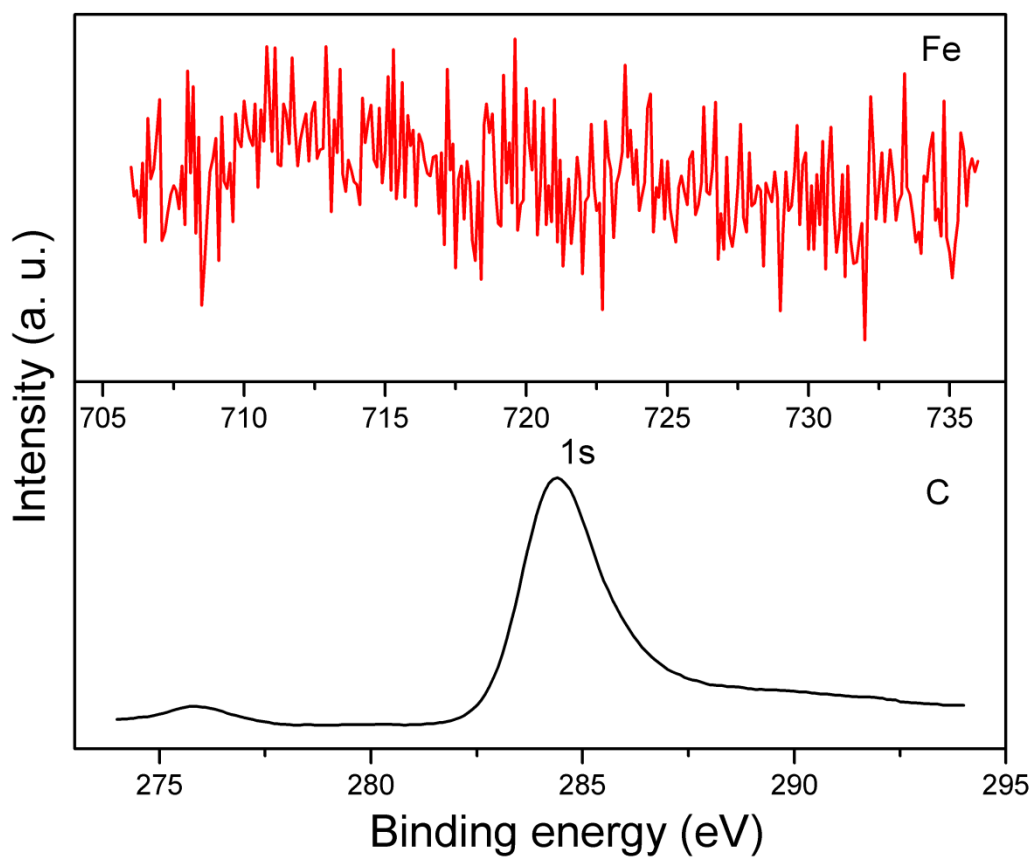


Figure S5. Binding energies of C and Fe in the as-prepared $\text{Li}_2\text{FeSiO}_4/\text{C}$ composite.

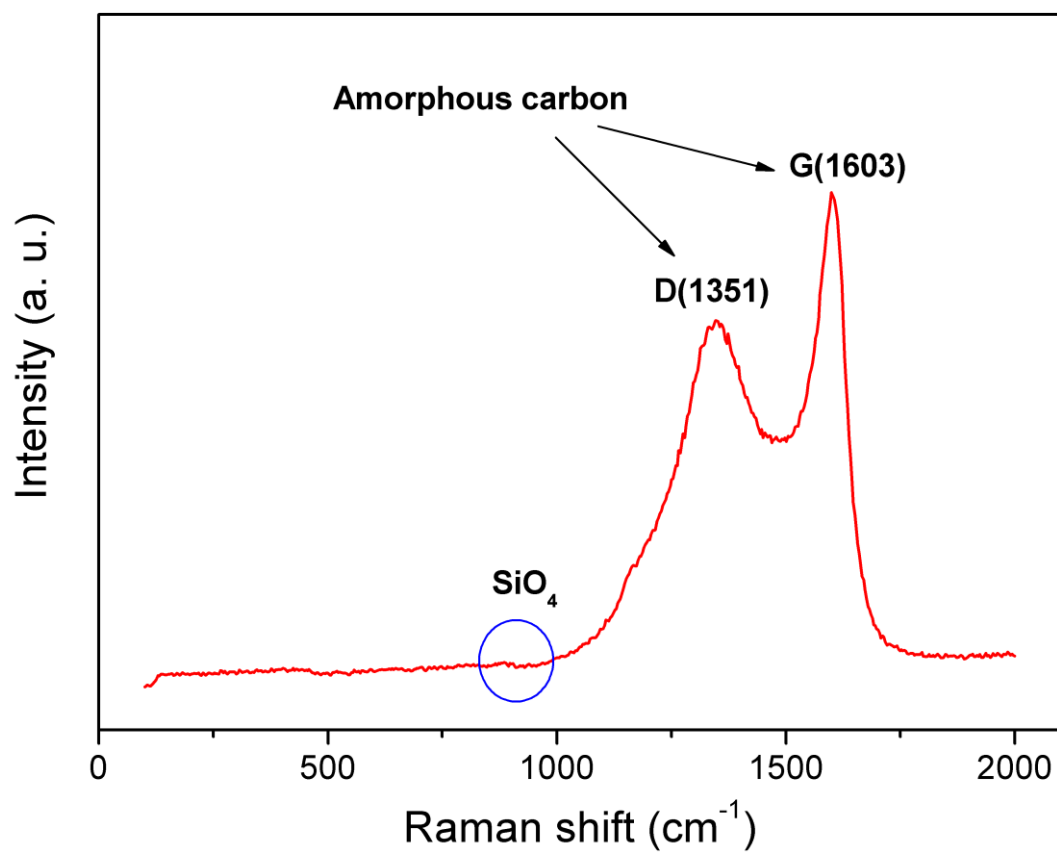


Figure S6. Raman spectrum of the Li₂FeSiO₄/C composite.

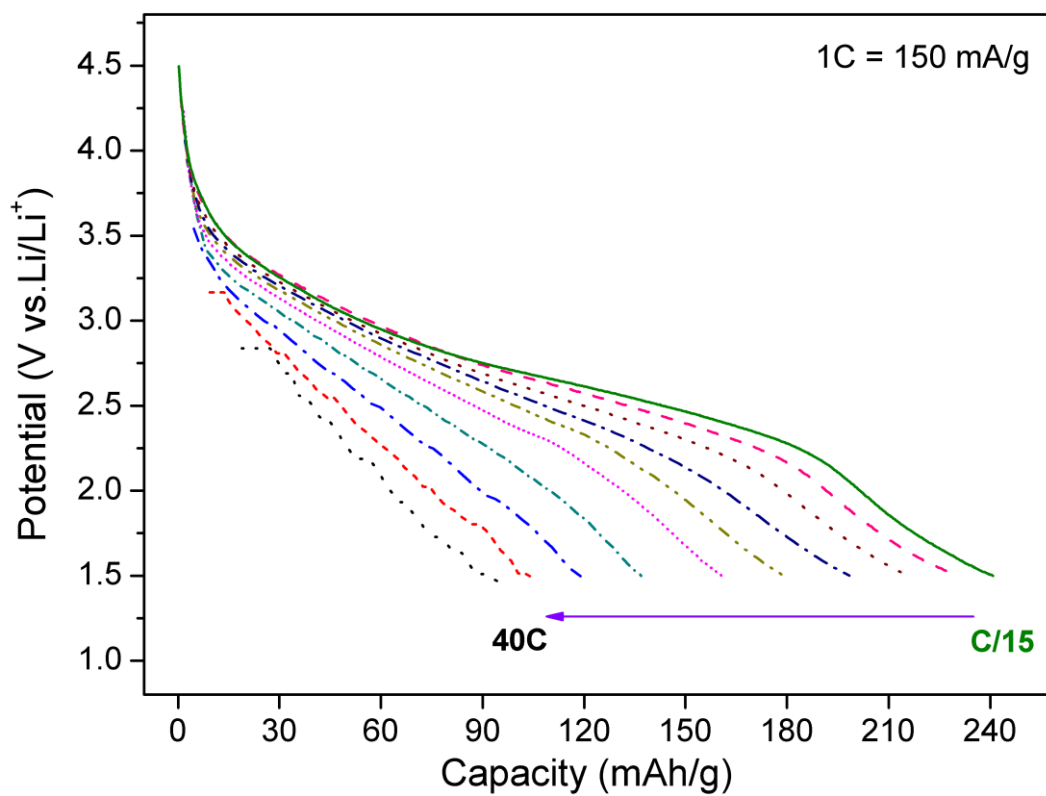


Figure S7. Discharge profiles of the porous $\text{Li}_2\text{FeSiO}_4/\text{C}$ electrode at various rates between 1.5–4.7 V