

Supporting Information

Porous $\text{Li}_2\text{FeSiO}_4$ /Carbon Monoliths with Controlled Macropores: Effects of Pore Properties on Electrode Performance as Cathode of Lithium Ion Batteries

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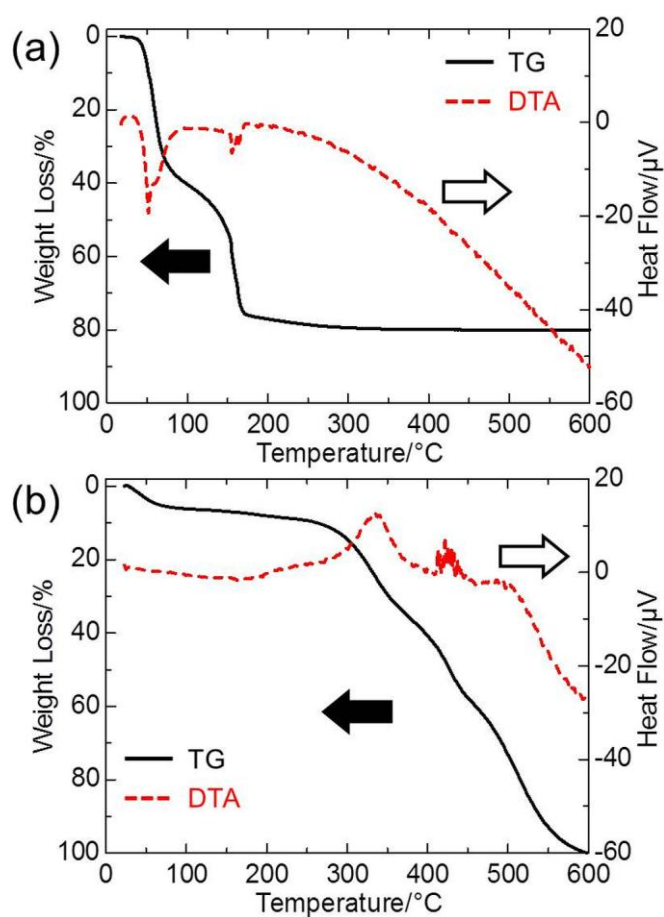


Figure S1 TG-DTA curves of (a) $\text{Fe}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$ and (b) Poly(vinylpyrrolidone) (PVP, $M_w = 55,000$) under air atmosphere.

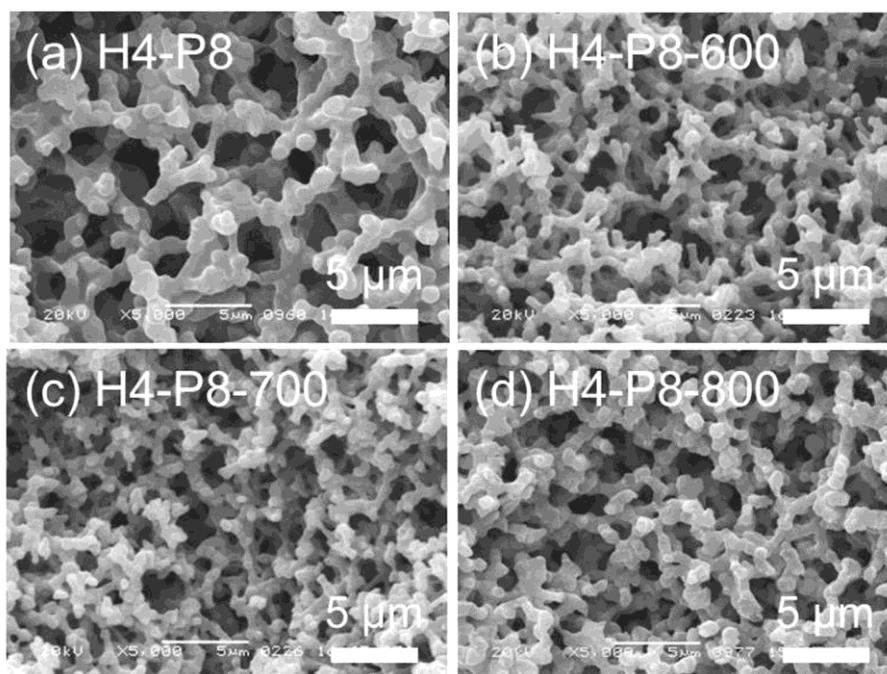


Figure S2 SEM images of the monolithic $\text{Li}_2\text{FeSiO}_4/\text{carbon}$ composites calcined at different temperatures; (a) H4-P8, (b) H4-P8-600, (c) H4-P8-700, and (d) H4-P8-800.

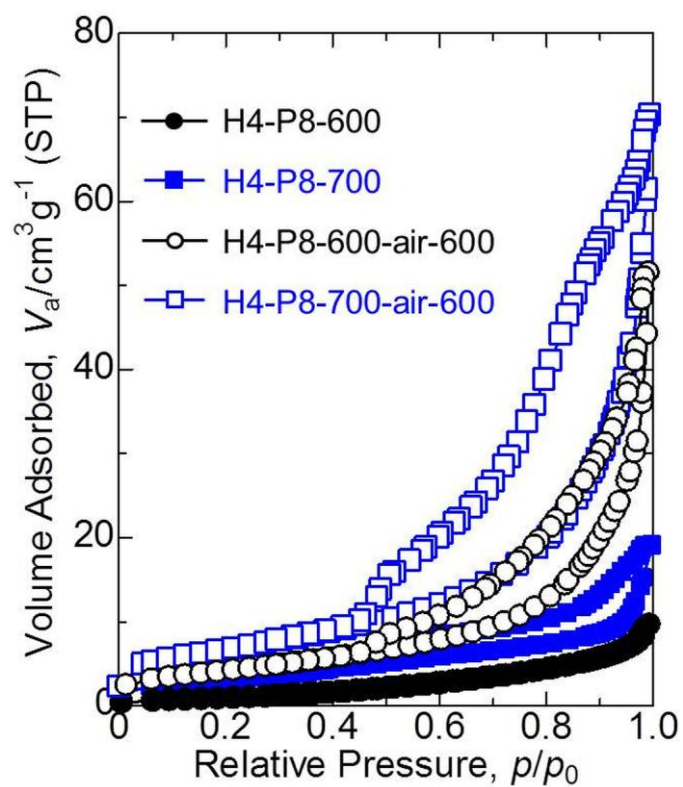


Figure S3 Nitrogen adsorption-desorption isotherms of the $\text{Li}_2\text{FeSiO}_4/\text{carbon}$ composites and those of the samples after the removal of carbon by the calcination at 600 °C for 2 h under air atmosphere.

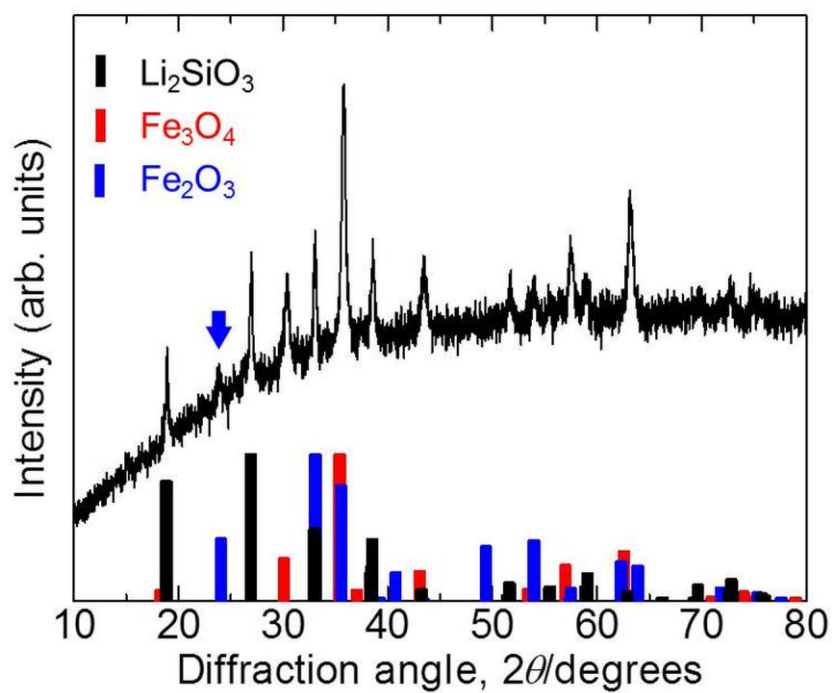


Figure S4 The XRD pattern of the sample calcined at 700 °C under N_2 atmosphere (H4-P8-700) followed by heat treatment at 800 °C under air atmosphere.

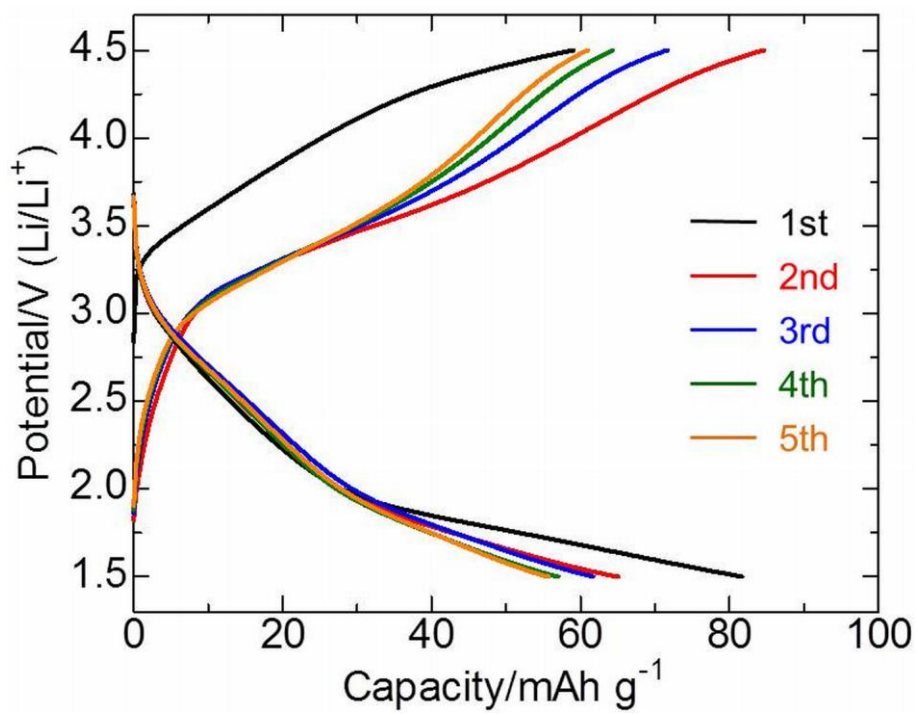


Figure S5 Charge and discharge curves of the electrode prepared from H4-P8-700 at 10 mA g⁻¹.

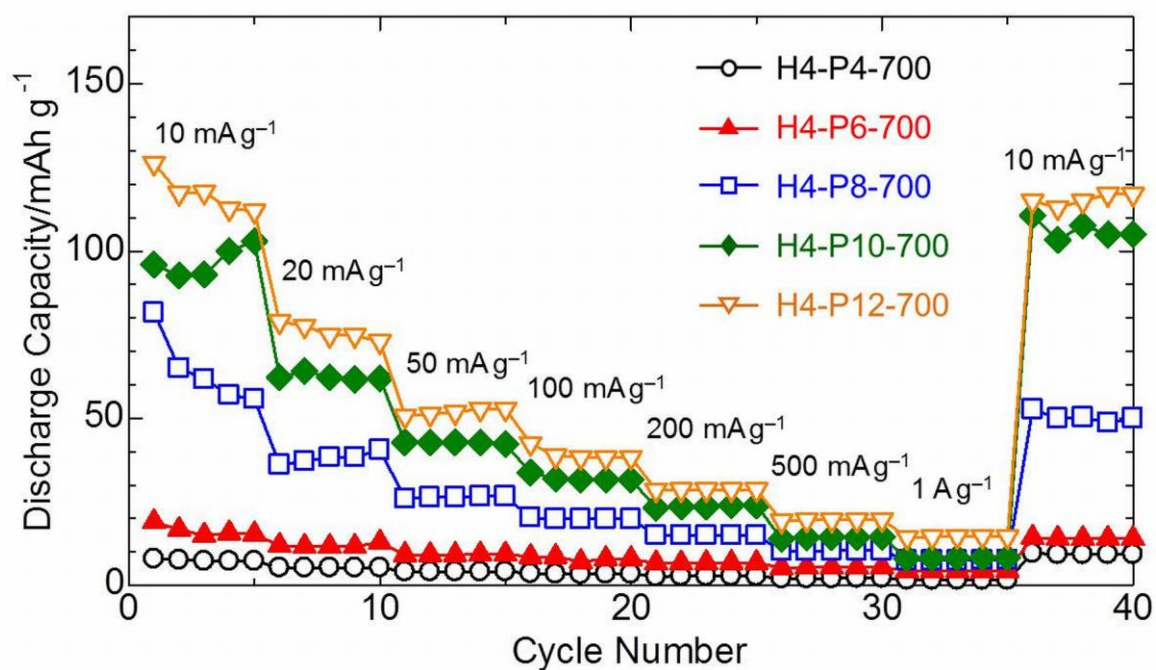


Figure S6 Discharge capacities of the samples calcined at 700 °C from different precursor gels at different currents.