Comparison of Electrochemical Performances of Olivine NaFePO$_4$ in Sodium-Ion Batteries and Olivine LiFePO$_4$ in Lithium-Ion Batteries

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Thermogravimetric analysis (TGA) test for carbon-coated LiFePO$_4$.

Thermogravimetric analysis (TGA) is used to determine the percentage of carbon in the carbon-coated LiFePO$_4$ sample. The powder sample is loaded into the TGA equipment (CAHN TG 2131, USA) and heated from room temperature to 700 °C in air atmosphere with a heating rate of 10 °C per min. As shown in Figure S1, the 13% mass loss above 500 °C corresponds to the oxidation of carbon in the sample.

Figure S1 TGA result of carbon-coated LiFePO$_4$. 

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