

Supplementary Information

α -Na₂Ni₂Fe(PO₄)₃: a Dual Positive/Negative Electrode Material for Sodium Ion Batteries

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Supplementary Information

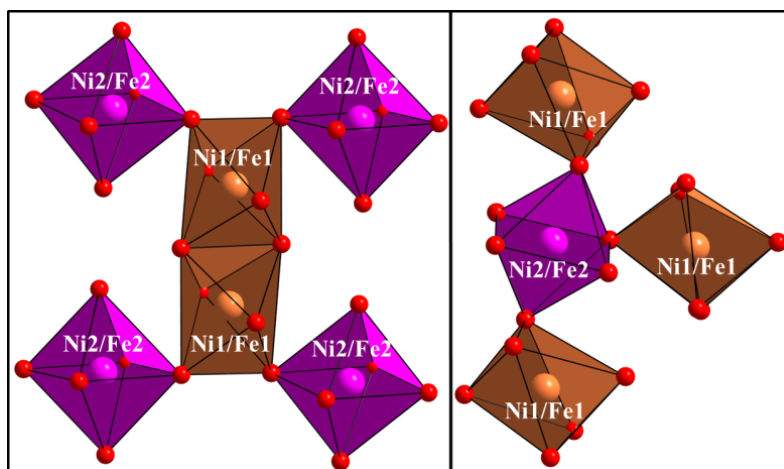


Fig. S1. Connectivity between the $[(\text{Ni}2/\text{Fe}1)\text{O}_6]$ and $[(\text{Ni}2/\text{Fe}2)\text{O}_6]$ octahedra in $\alpha\text{-Na}_2\text{Ni}_2\text{Fe}(\text{PO}_4)_3$.

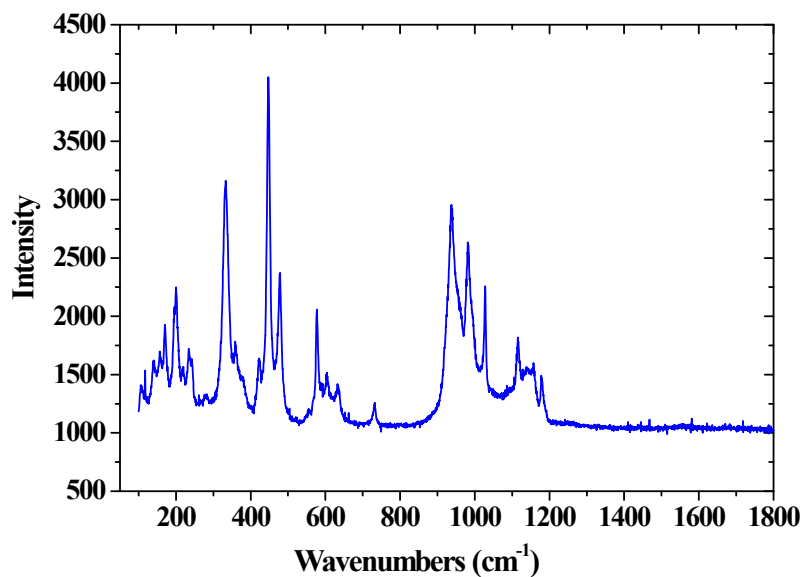


Fig. S2. Raman spectra of $\alpha\text{-Na}_2\text{Ni}_2\text{Fe}(\text{PO}_4)_3$.

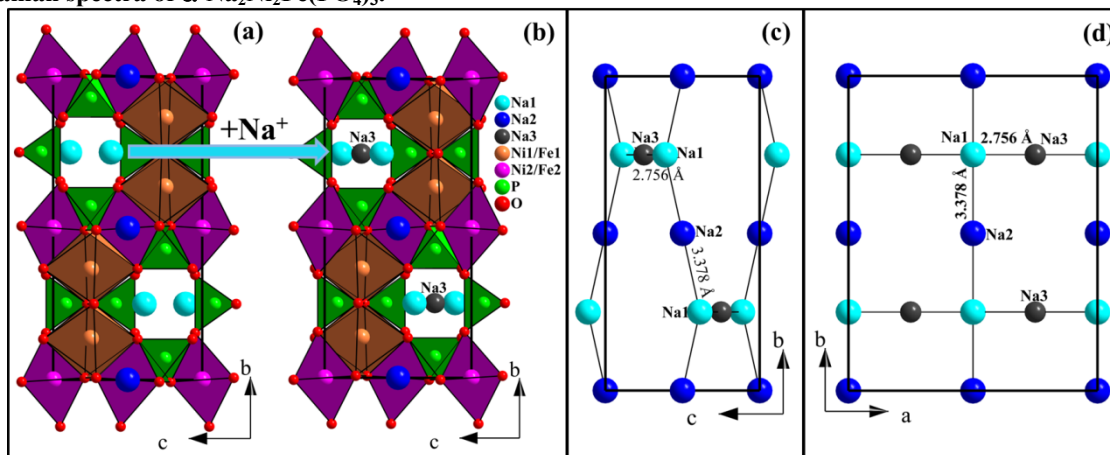


Fig. S3. Theoretical intercalation mechanism of one sodium atoms into $\alpha\text{-Na}_2\text{Ni}_2\text{Fe}(\text{PO}_4)_3$.