

Redox Activity of Sodium Vanadium Oxides Towards Oxidation in Na Ion Batteries

The following are the detailed information about the Supplementary Materials.

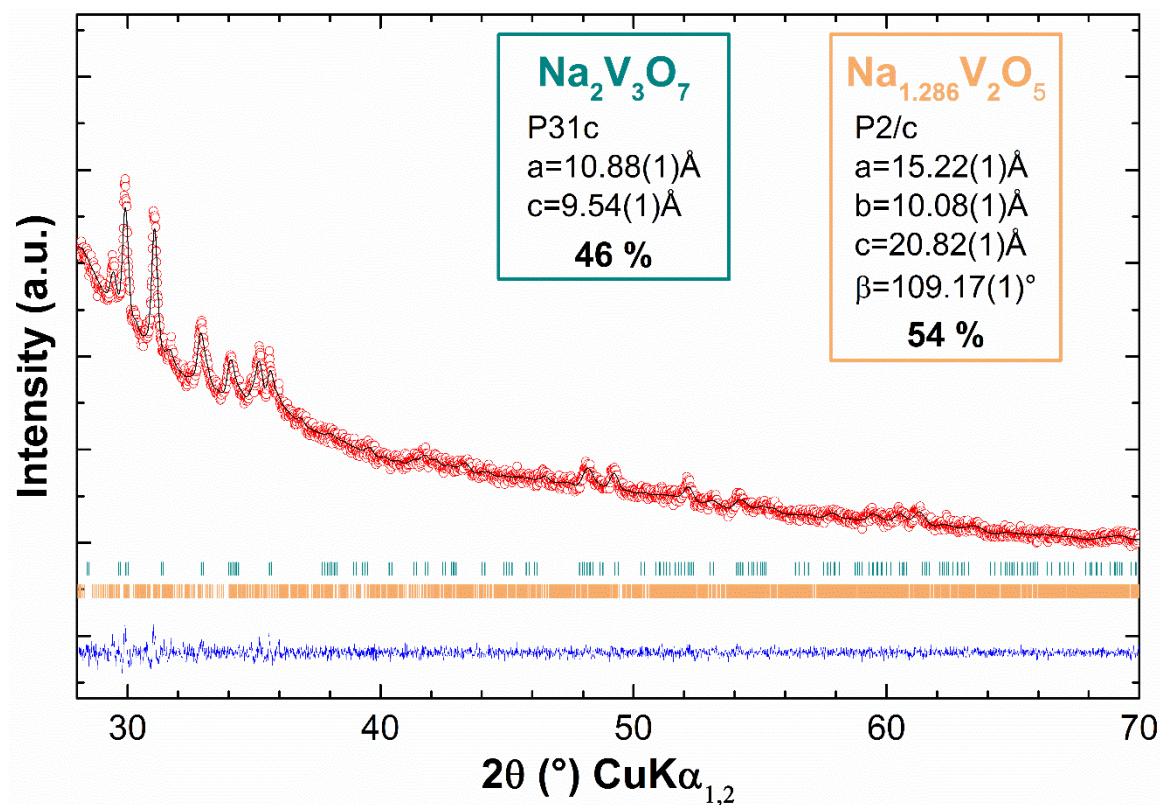


Figure S1: XRD pattern and Rietveld fit of chemically oxidized $\text{Na}_2\text{V}_3\text{O}_7$. Bragg reflections for $\text{Na}_2\text{V}_3\text{O}_7$ and $\eta\text{-Na}_{1.286}\text{V}_2\text{O}_5$ are indicated in cyan and orange, respectively.

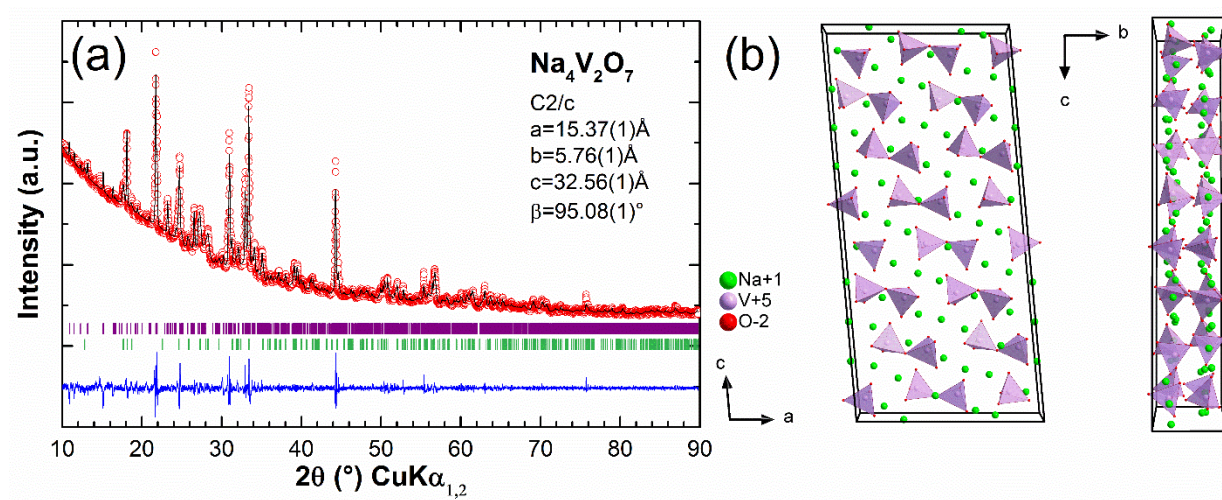


Figure S2: (a) XRD pattern and Le Bail fit for $\text{Na}_4\text{V}_2\text{O}_7$. Note the presence of NaVO_3 as impurity (14%). Bragg reflections for $\text{Na}_4\text{V}_2\text{O}_7$ and NaVO_3 are indicated in purple and green, respectively. (b) Structural view along the b and the a axis for $\text{Na}_4\text{V}_2\text{O}_7$.

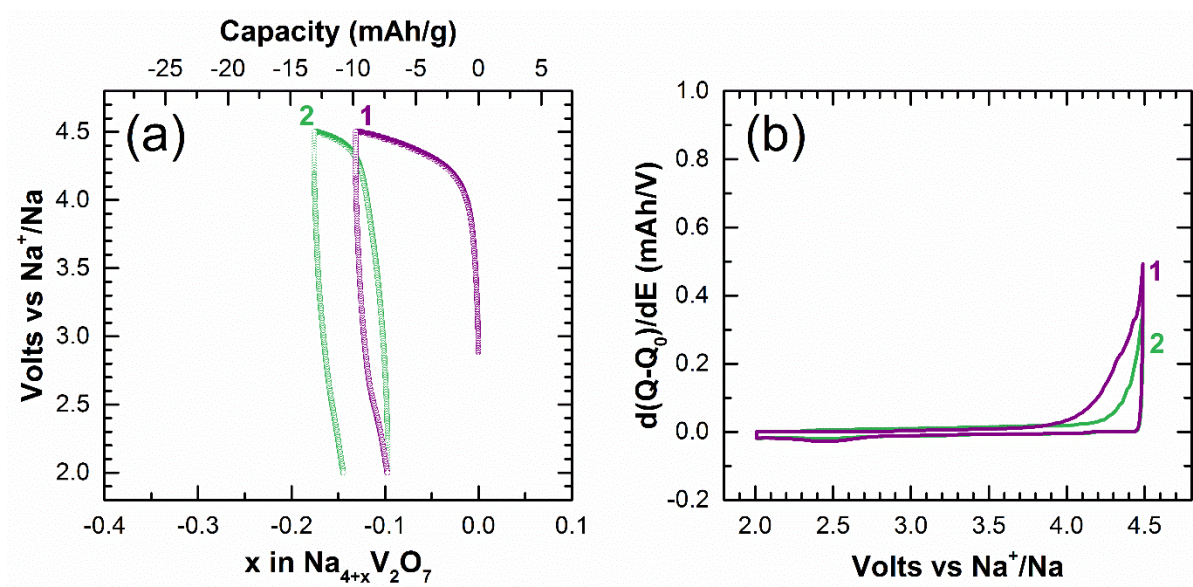


Figure S3: (a) Voltage vs. composition profiles of $\text{Na}_4\text{V}_2\text{O}_7$ between 4.5 V and 2.0 V at a rate of C/20 and (b) corresponding derivative curves.