

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

The following are the detailed information about the Supplementary Materials.

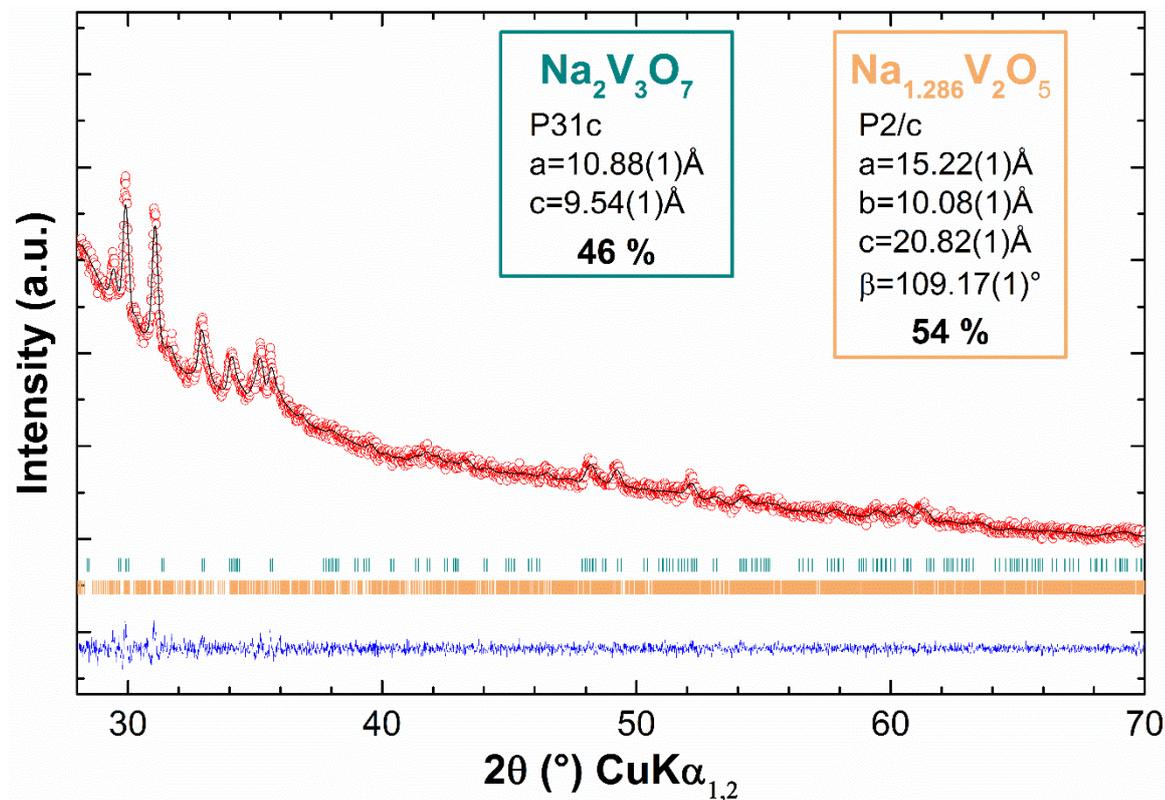


Figure S1: XRD pattern and Rietveld fit of chemically oxidized Na₂V₃O₇. Bragg reflections for Na₂V₃O₇ and η-Na_{1.286}V₂O₅ are indicated in cyan and orange, respectively.

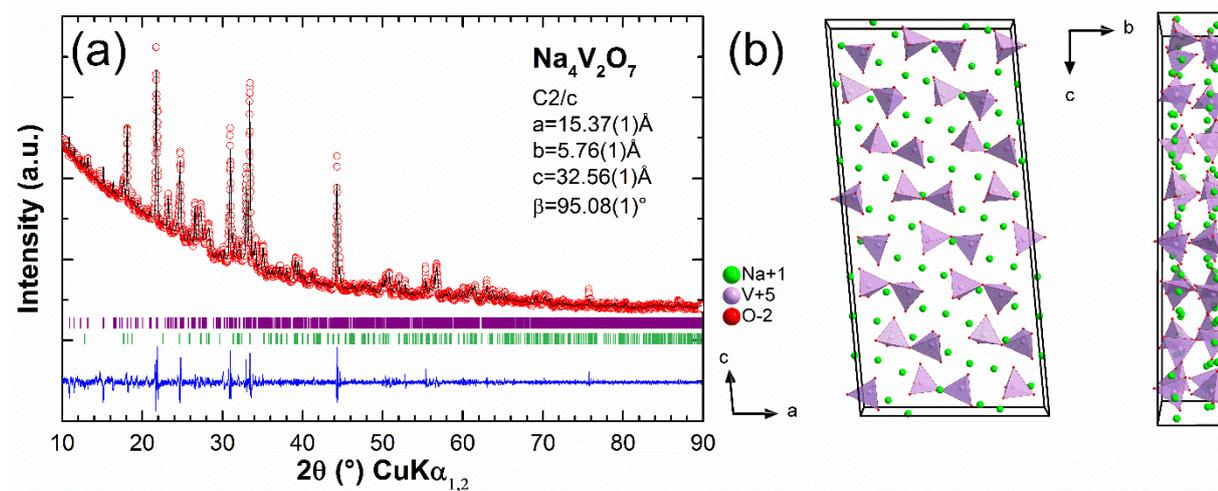


Figure S2: (a) XRD pattern and Le Bail fit for Na₄V₂O₇. Note the presence of NaVO₃ as impurity (14%). Bragg reflections for Na₄V₂O₇ and NaVO₃ are indicated in purple and green, respectively. (b) Structural view along the b and the a axis for Na₄V₂O₇.

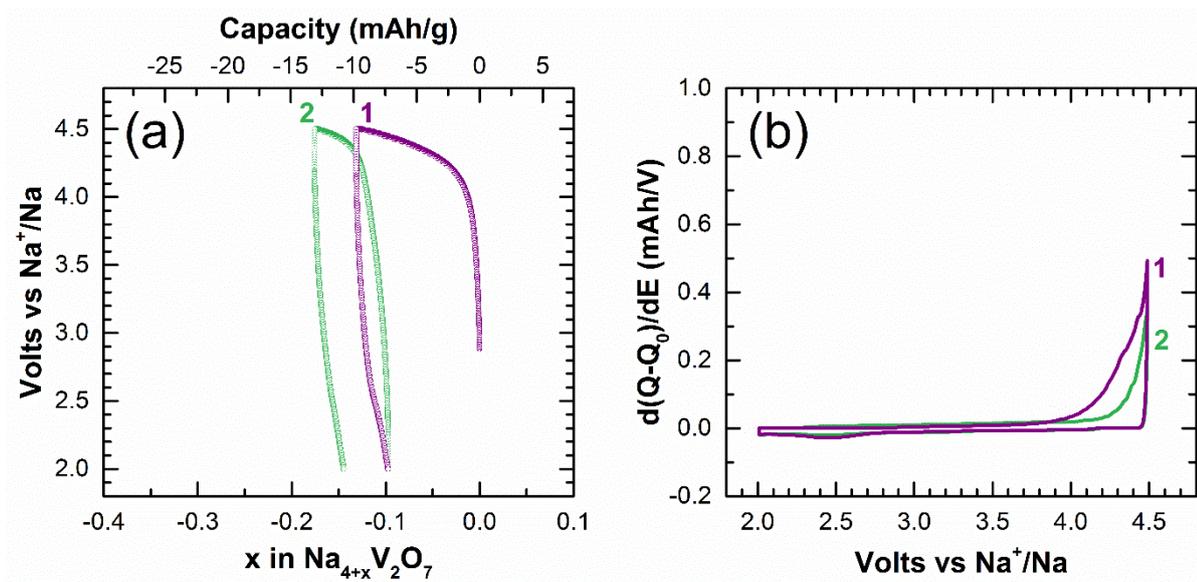


Figure S3: (a) Voltage vs. composition profiles of $\text{Na}_4\text{V}_2\text{O}_7$ between 4.5 V and 2.0 V at a rate of $C/20$ and (b) corresponding derivative curves.