

Interplay between Electrochemistry and Phase Evolution of the P2-type $\text{Na}_x(\text{Fe}_{1/2}\text{Mn}_{1/2})\text{O}_2$ Cathode for Use in Sodium-Ion Batteries

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Supporting information

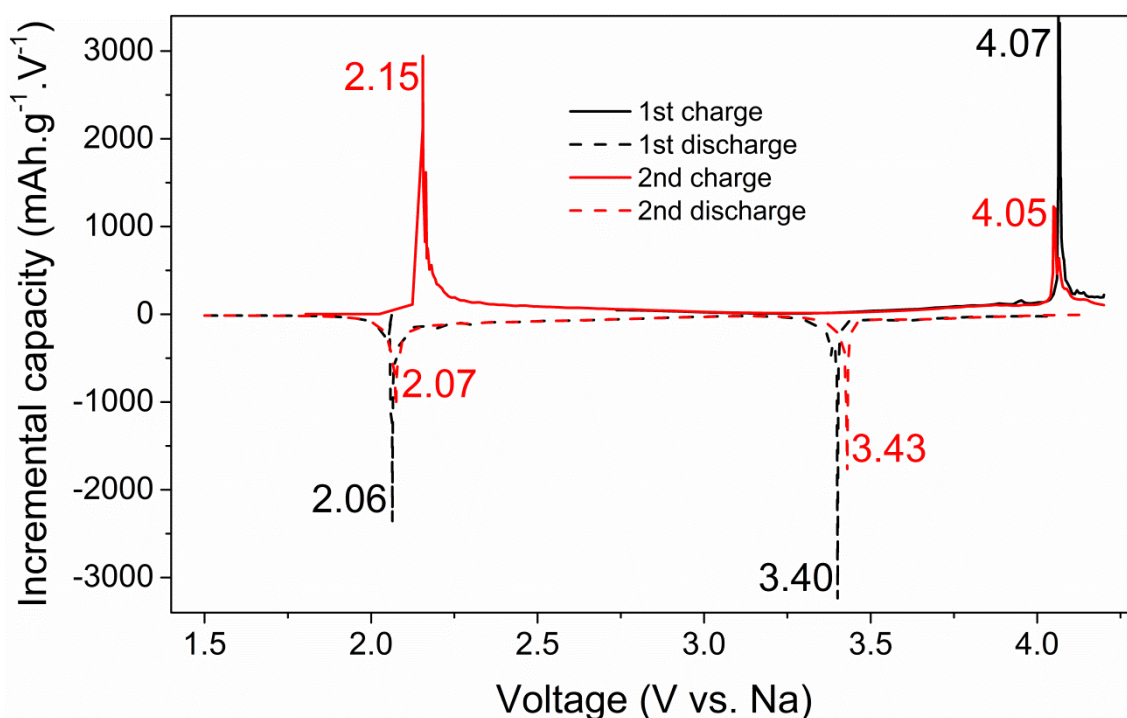


Figure S1. Incremental capacity plots for initial cycles of the NFMO cathode in a typical coin-cell.

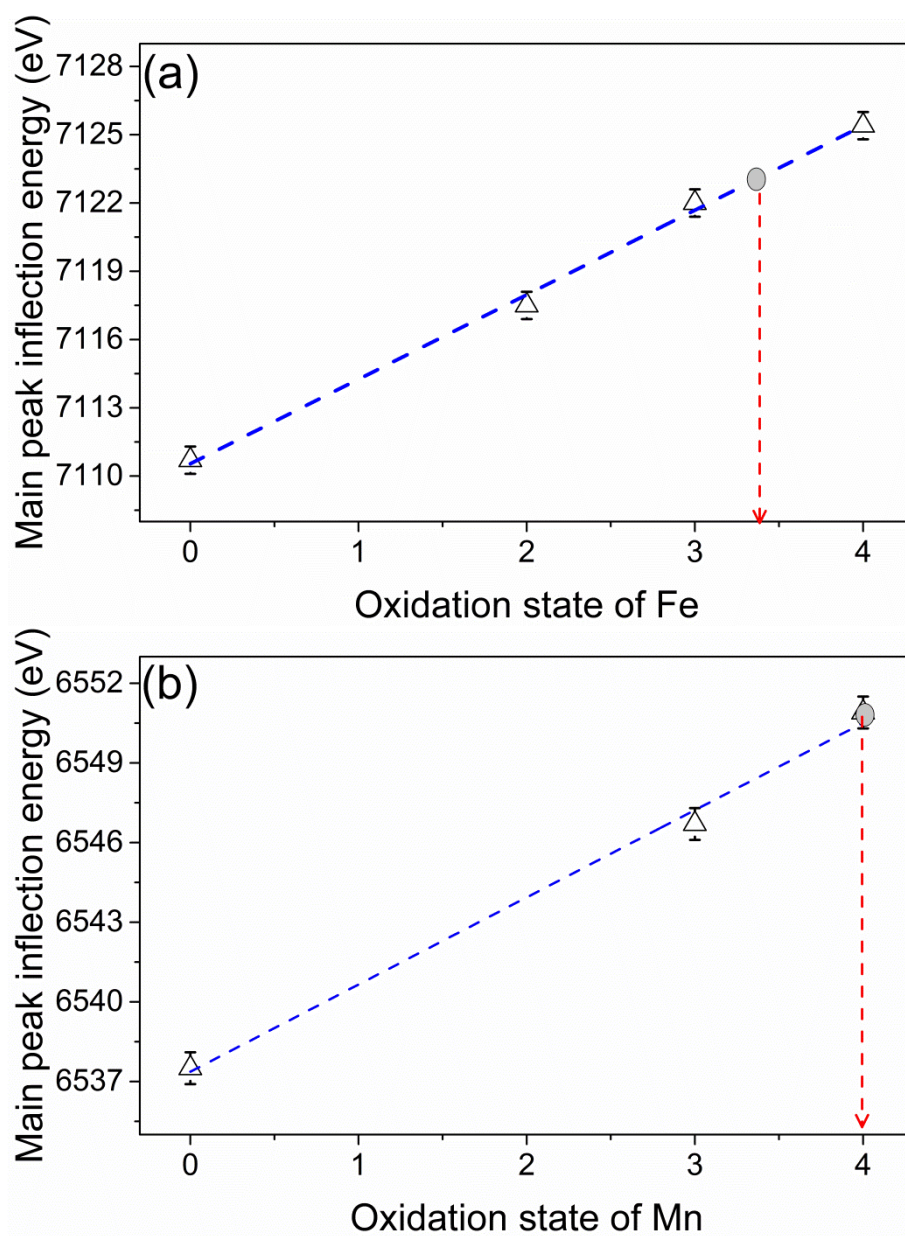


Figure S2. Estimation of Fe and Mn oxidation states in the as-prepared NFMO electrode. The main peak inflection energies, Fe and Mn K-edge spectra, of the cathode are represented by the grey circles.

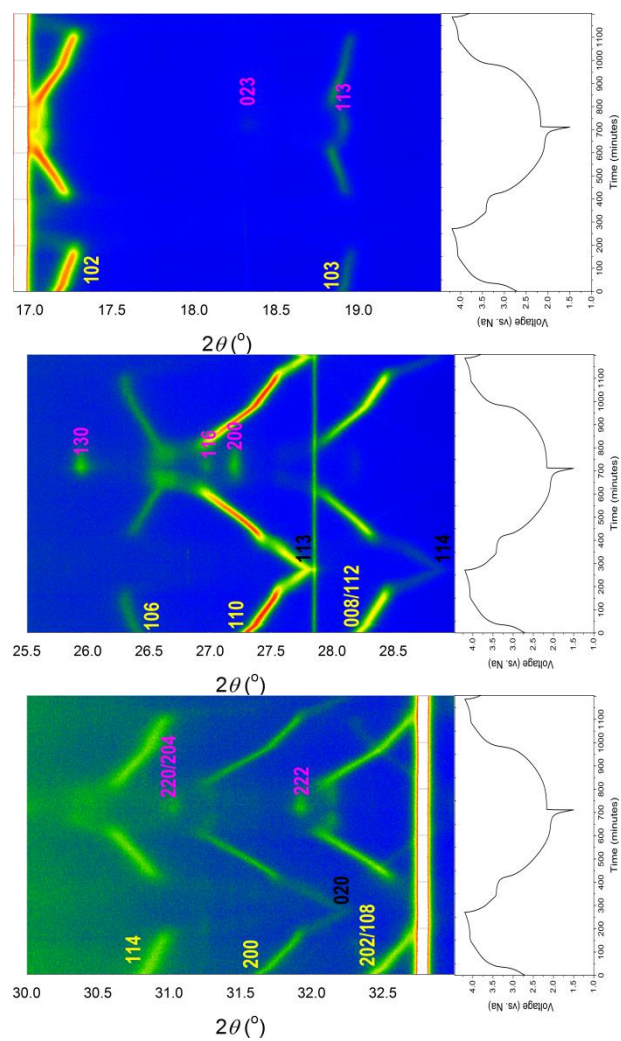


Figure S3. Contour plots of *operando* SXRPD data from the NFMO coin-cell in the 17-20, 25.5-29, and 30-33° 2-theta regions.

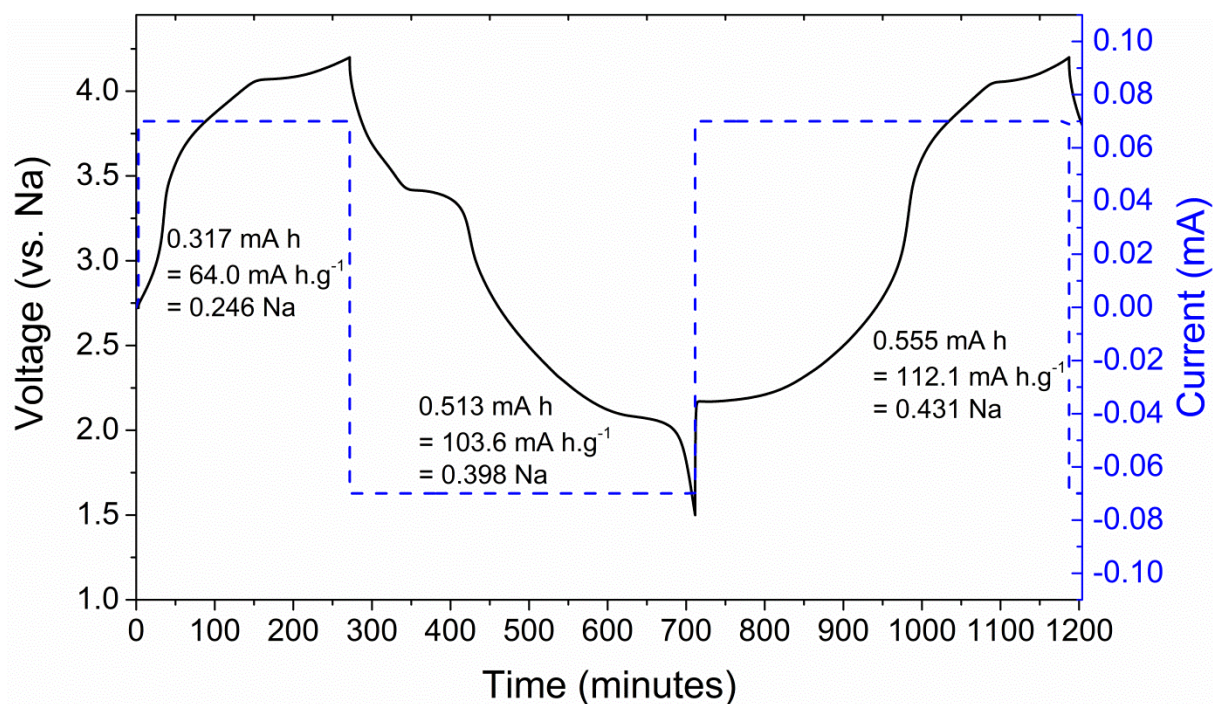
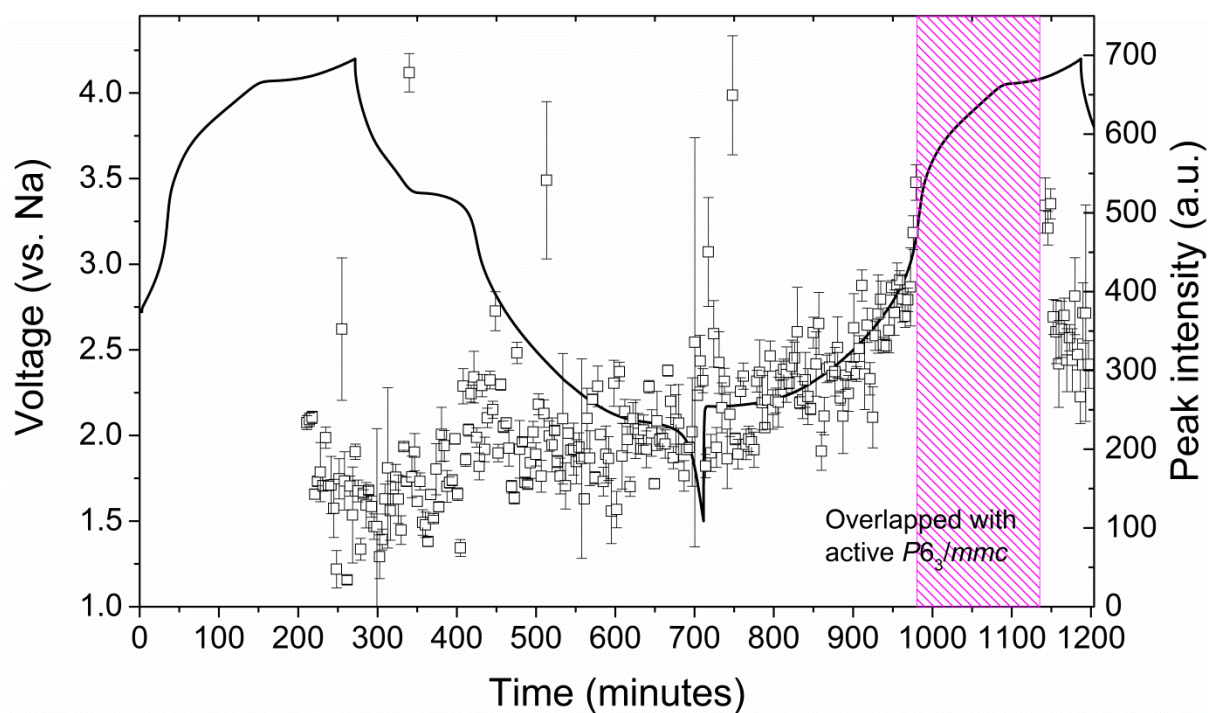


Figure S4. Charge-discharge curve of the NFMO coin-cell during the *operando* synchrotron X-ray powder diffraction experiment.



FigureS5. The increasing intensity of non-responsive cathode with time.