

Supporting Information for In-Operando X-Ray Studies of the Conversion Reaction in Mn_3O_4 Lithium Battery Anodes

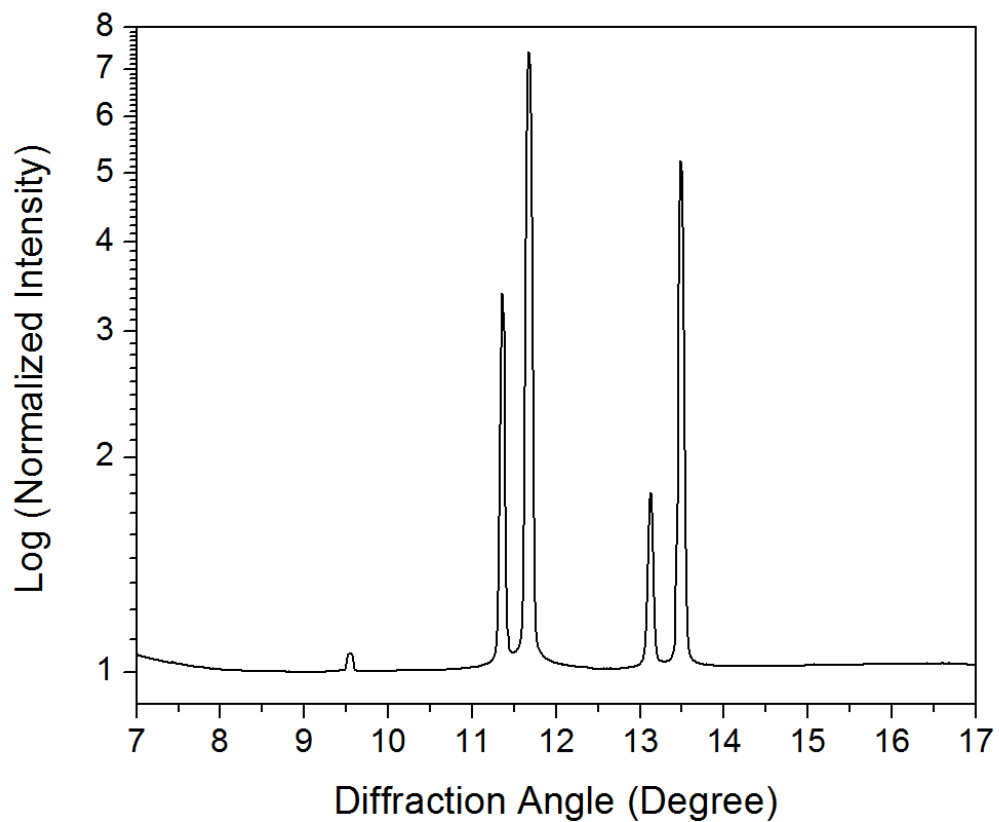


Figure S1. Piecewise-constructed background for x-ray diffraction. Note the intensity is plotted on a log scale to clearly show the background between diffraction peaks from cell components.

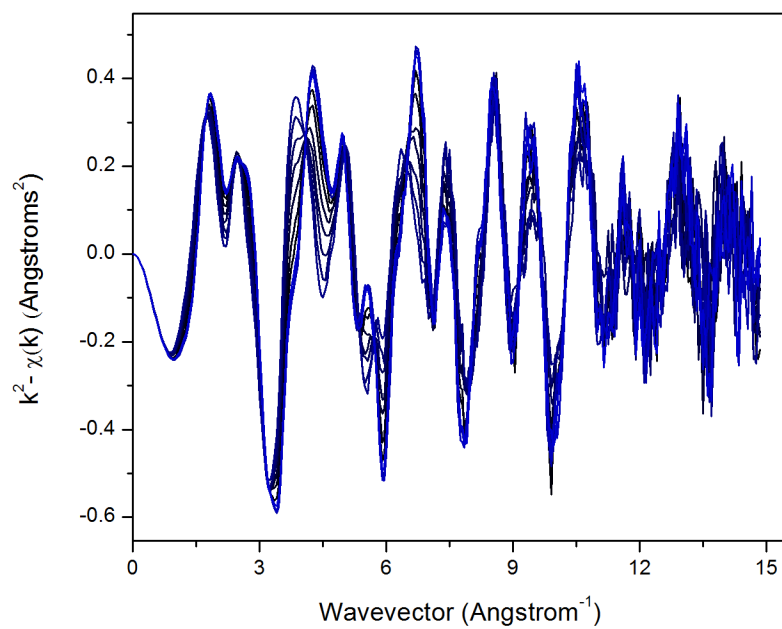


Figure S2. Overlaid k^2 -weighted EXAFS data during phase I. Data Analysis was performed up to $k=10$.

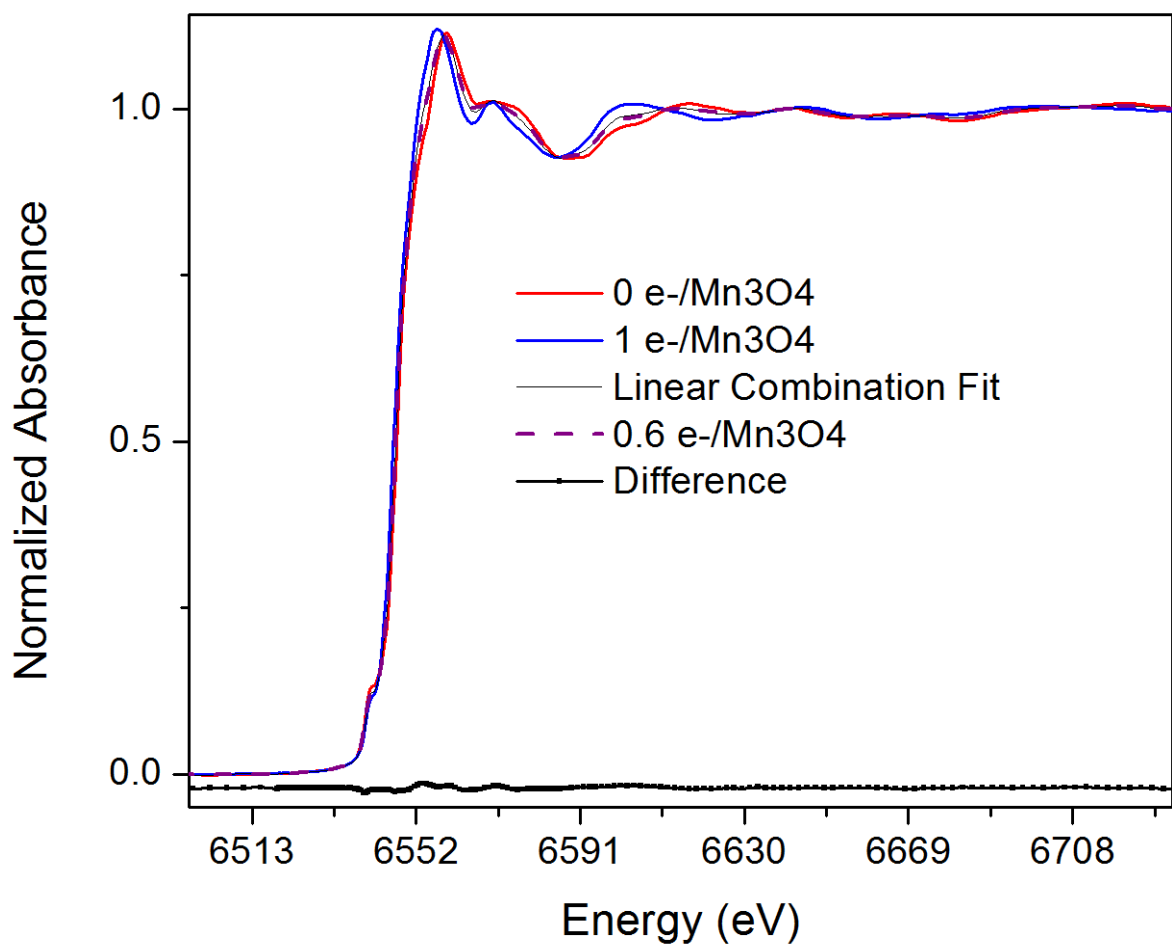


Figure S3. Demonstration of fitting an intermediate XANES spectra using a linear combination of spectra acquired at 0 and 1 e⁻/Mn₃O₄.

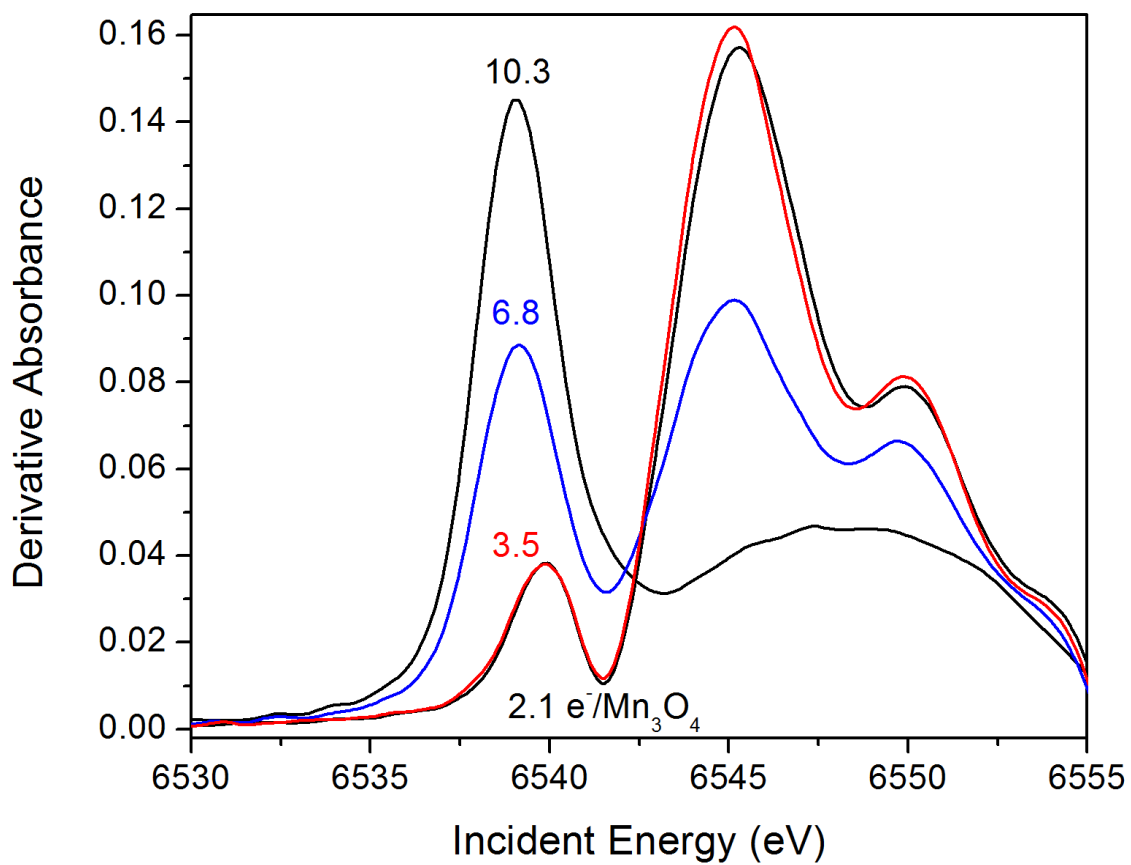


Figure S4. First derivative of XANES during lithiation of Mn₃O₄.

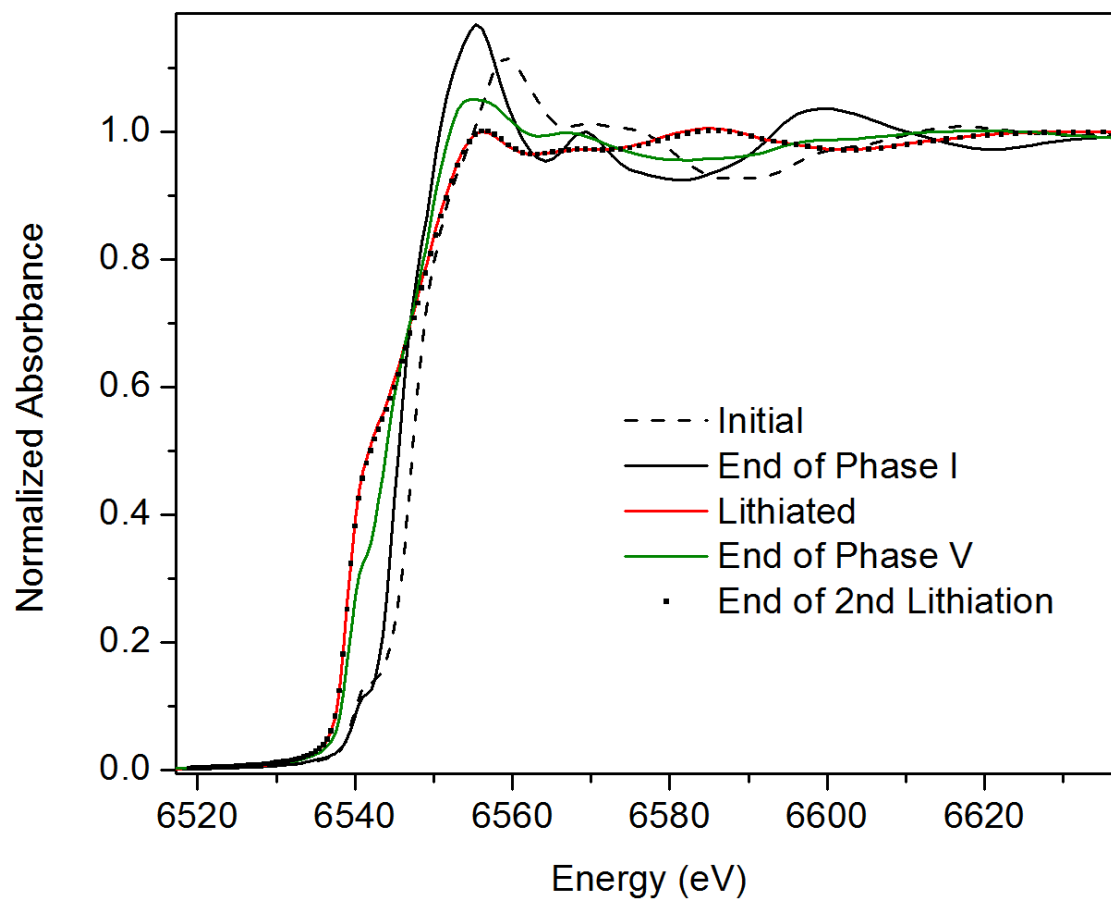


Figure S5. XANES during lithiation of Mn_3O_4 .