

Supporting information

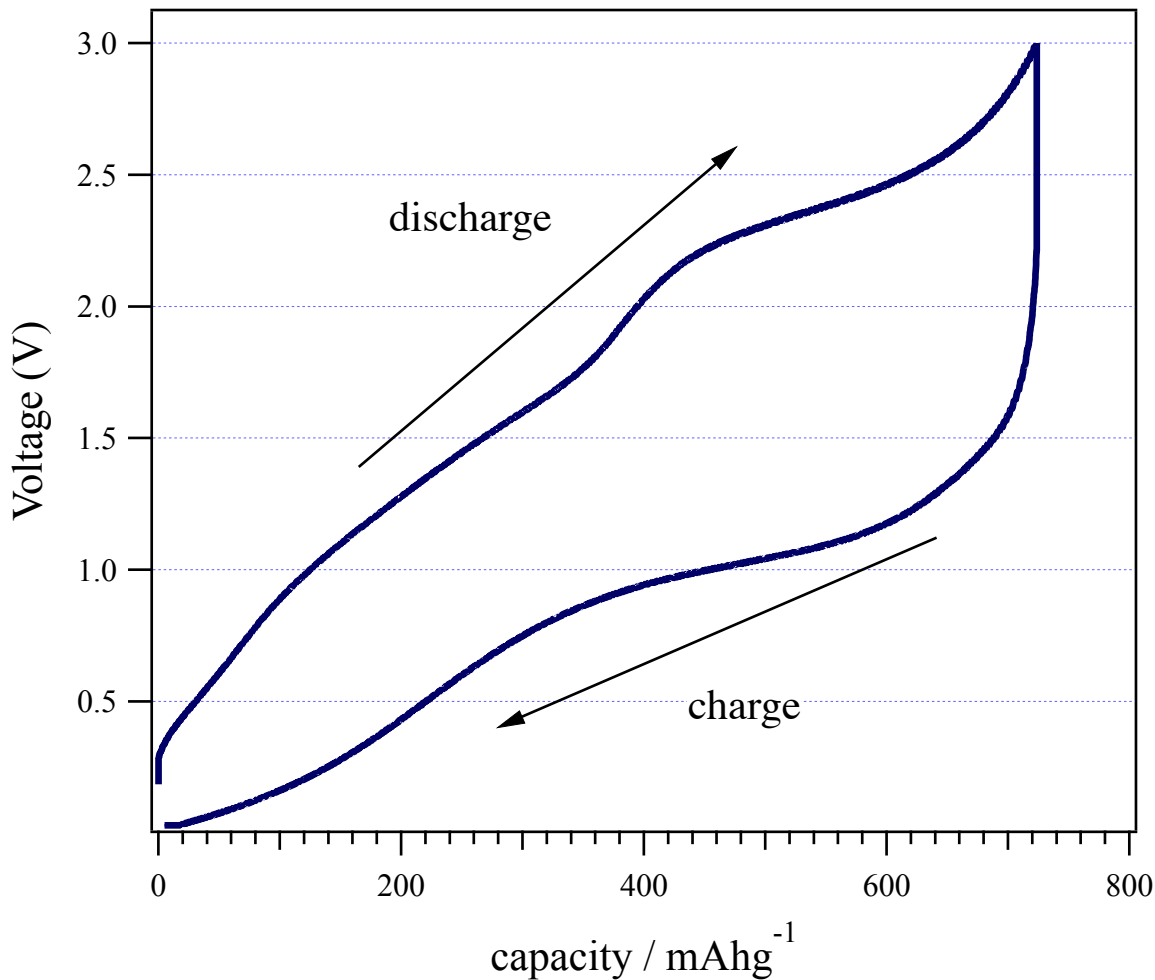


Fig. S1. Charge-discharge curve of NiO in the third cycle.

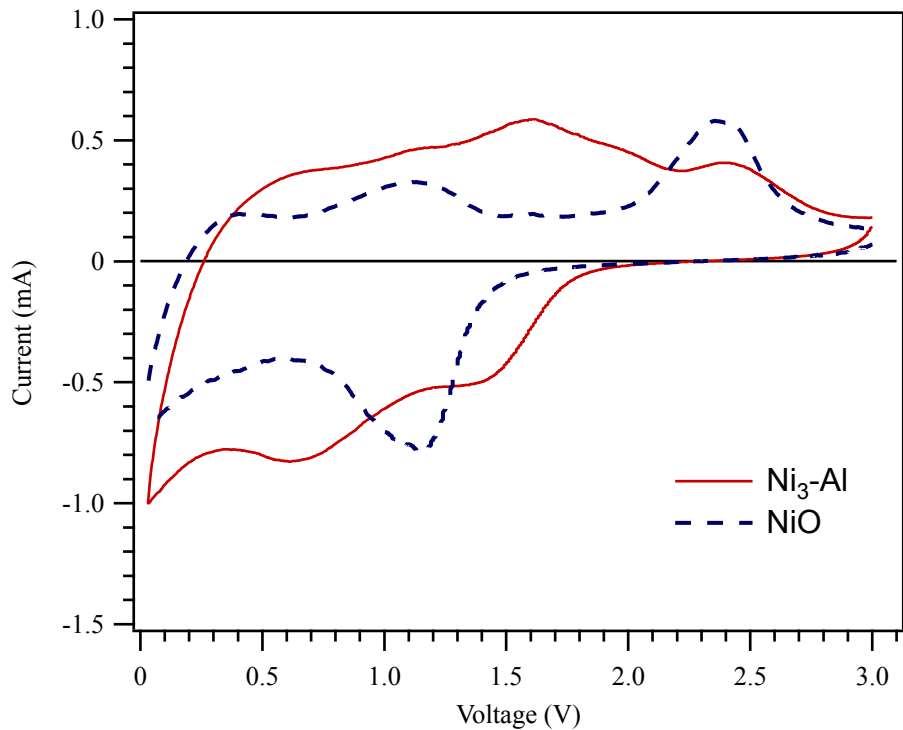


Fig. S2. Cyclic voltammograms of NiO and Ni₃AlO recorded at a scan rate of 0.1 mV s^{-1} .

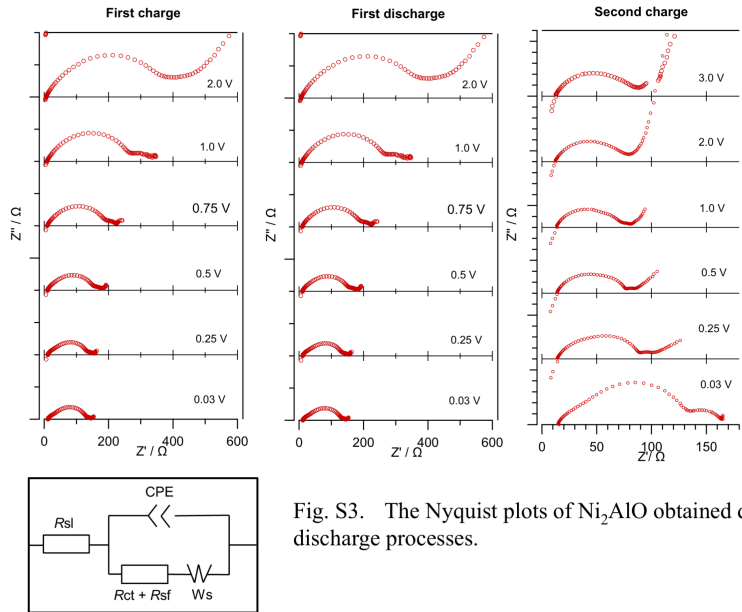


Fig. S3. The Nyquist plots of Ni_2AlO obtained during charge-discharge processes.

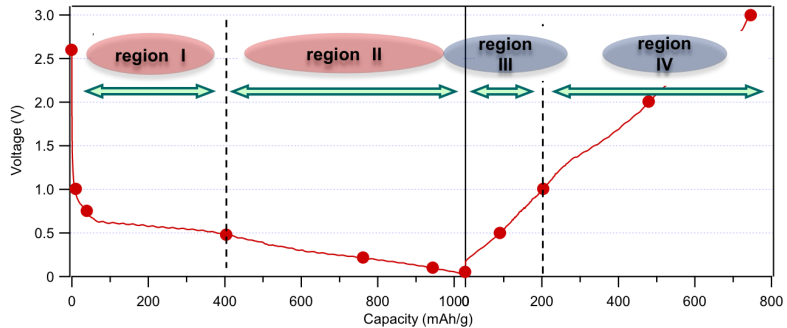


Fig. S4. The charge-discharge curves of Ni₂AlO in the first cycle.

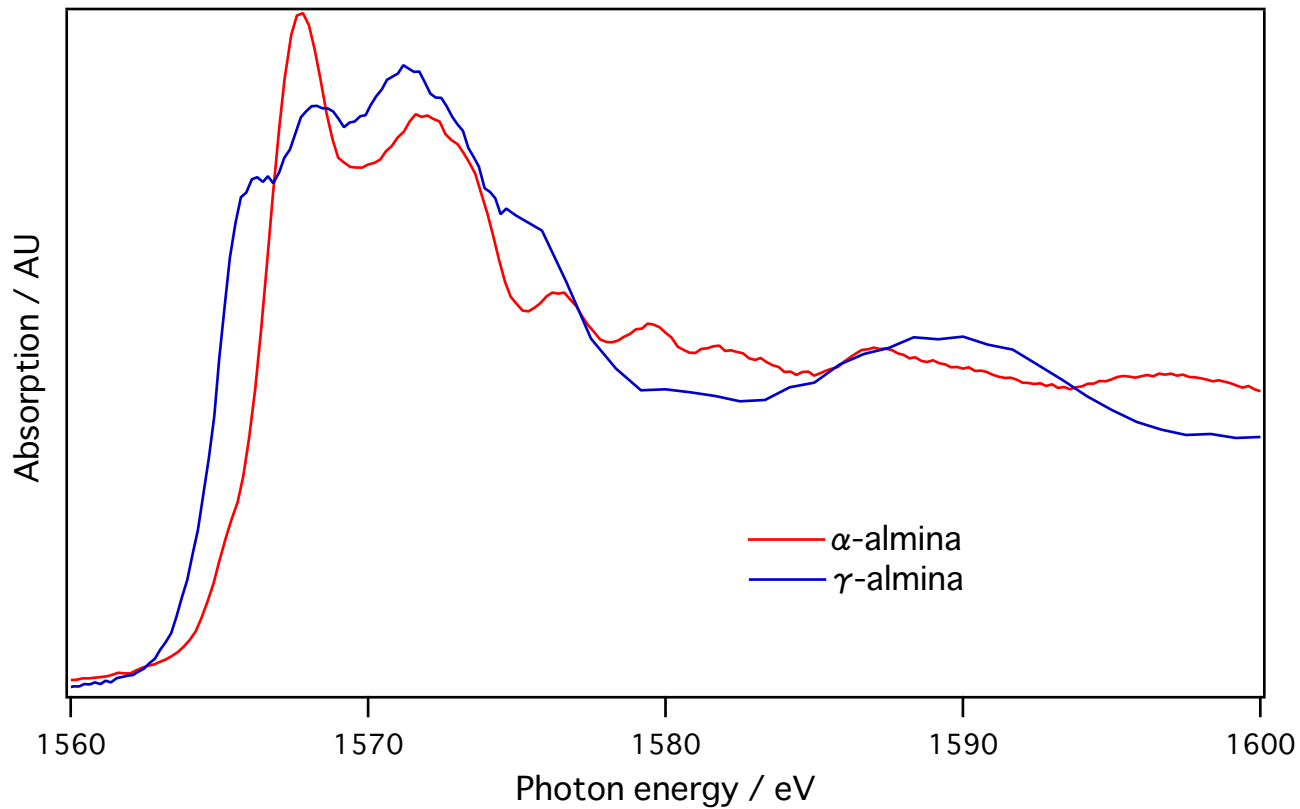


Fig. S5. XAFS spectra of α - and γ - Al_2O_3 .

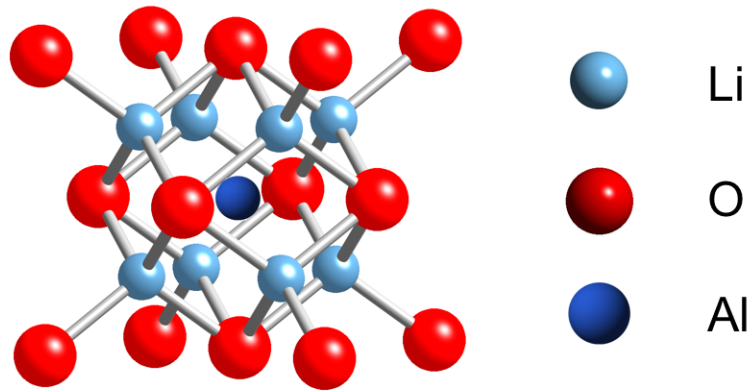


Fig. S6 The structural model of an Al metal particle surrounded by Li_2O .

