Supporting Information

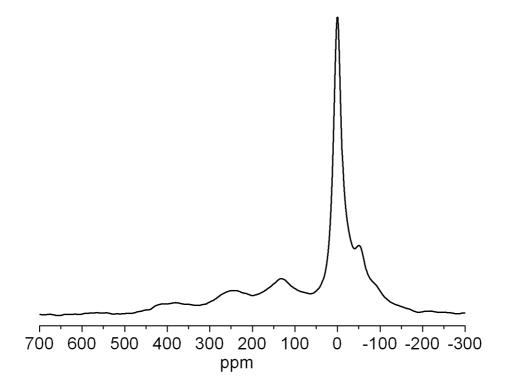


Figure S1. A ⁶Li MAS NMR spectrum of a **90Co** pristine sample made with natural abundance LiOH·H₂O, acquired at 4.7 T at a spinning speed of 38 kHz.

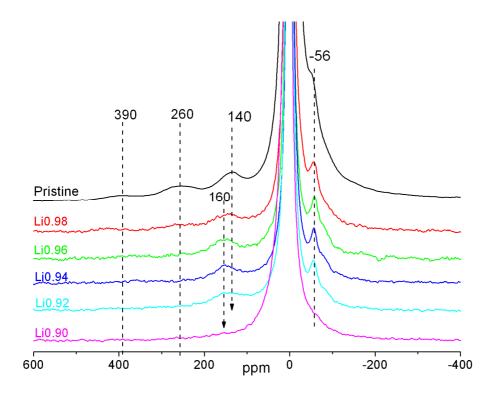


Figure S2. A zoom of the 6 Li MAS NMR spectra, normalized based on the acquisition number and sample mass, of pristine and partially charged Li[Ni_{0.02}Mn_{0.02}Co_{0.96}]O₂ (96Co) samples, labeled as Lix stand for Li_x[Ni_{0.02}Mn_{0.02}Co_{0.96}]O₂ (1.00 \geq x \geq 0.90).