Structure and electrochemical performance modulation of 
LiNi$_{0.8}$Co$_{0.1}$Mn$_{0.1}$O$_2$ cathode material by anion and cation co-doping
for lithium ion battery

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Fig. S1 Rietveld refinement results of NCM (a), NCM/B (b), NCM/C (c) and NCM/CB (d).

Fig. S2 XPS spectra of Co for (d) NCM/C and (f) NCM/CB.
Fig. S3 cycle performance at high voltage.

Fig. S4 The Corresponding charge/discharge curves at the 1st, 5th, 50th and 100th cycle for NCM(a), NCM/C(b) and NCM/CB(c). The rate discharge curves between 0.1-10 C of NCM(d), NCM/C(e) and NCM/CB(f).