

3. Results and Discussion

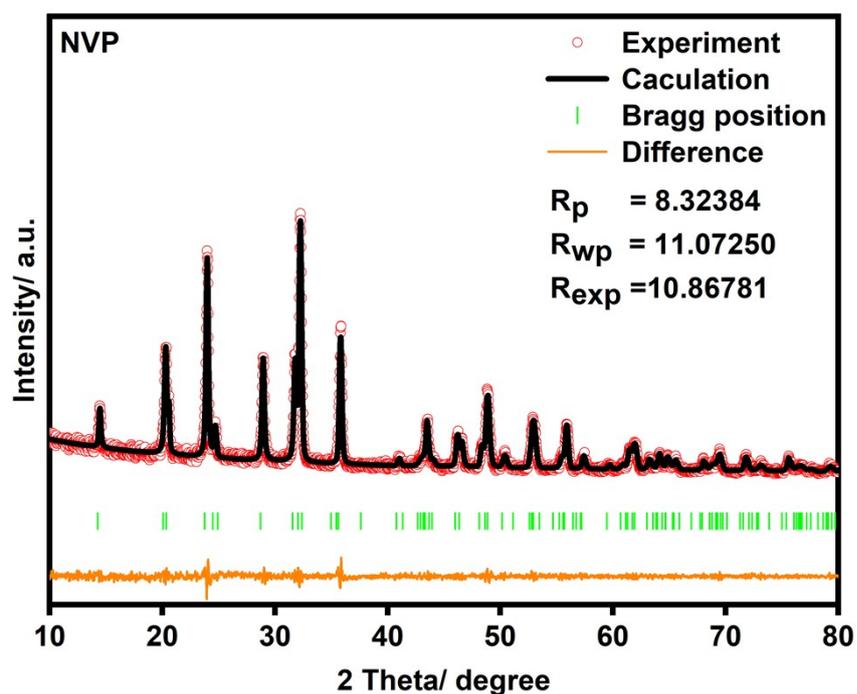


Fig.S1 Rietveld refined XRD patterns of NVP.

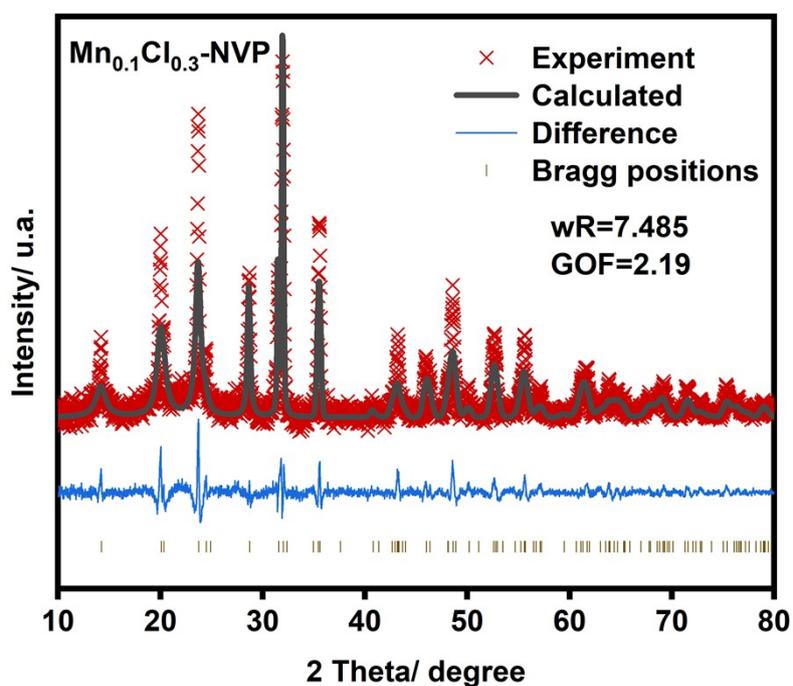


Fig.S2 Rietveld refined XRD patterns of Mn_{0.1}Cl_{0.3}-NVP by GSAS

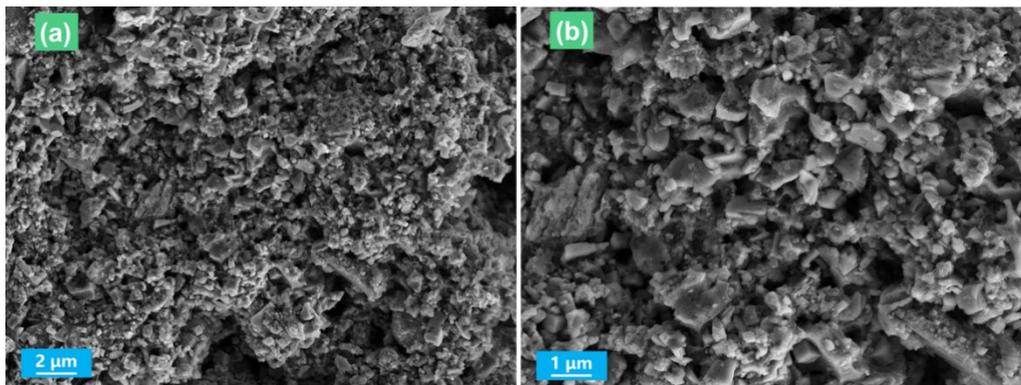


Fig.S3 SEM images of $\text{Cl}_{0.3}\text{-NVP}$ (a and b) at the magnifications of 5k and 10k.

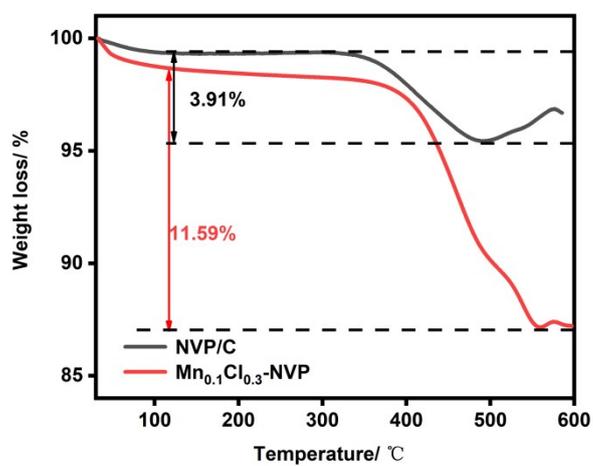


Fig.S4 The TG spectrum of NVP and $\text{Mn}_{0.1}\text{Cl}_{0.3}\text{-NVP}$.

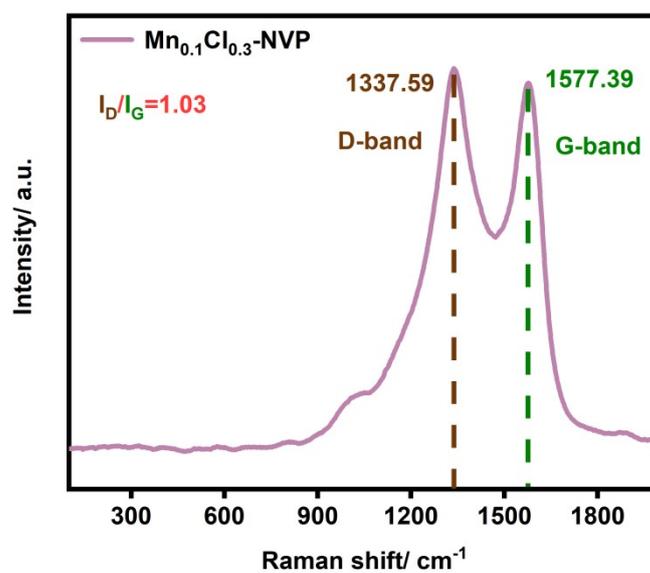


Fig.S5 Raman spectra of $\text{Mn}_{0.1}\text{Cl}_{0.3}\text{-NVP}$.

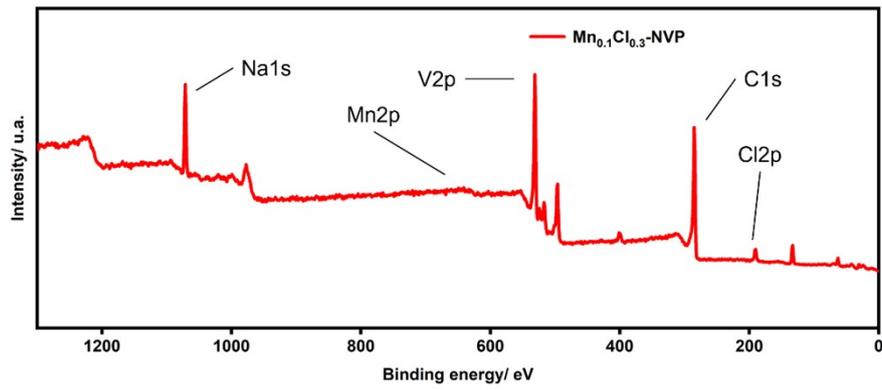


Fig.S6 XPS full spectra of $\text{Mn}_{0.1}\text{Cl}_{0.3}\text{-NVP}$.

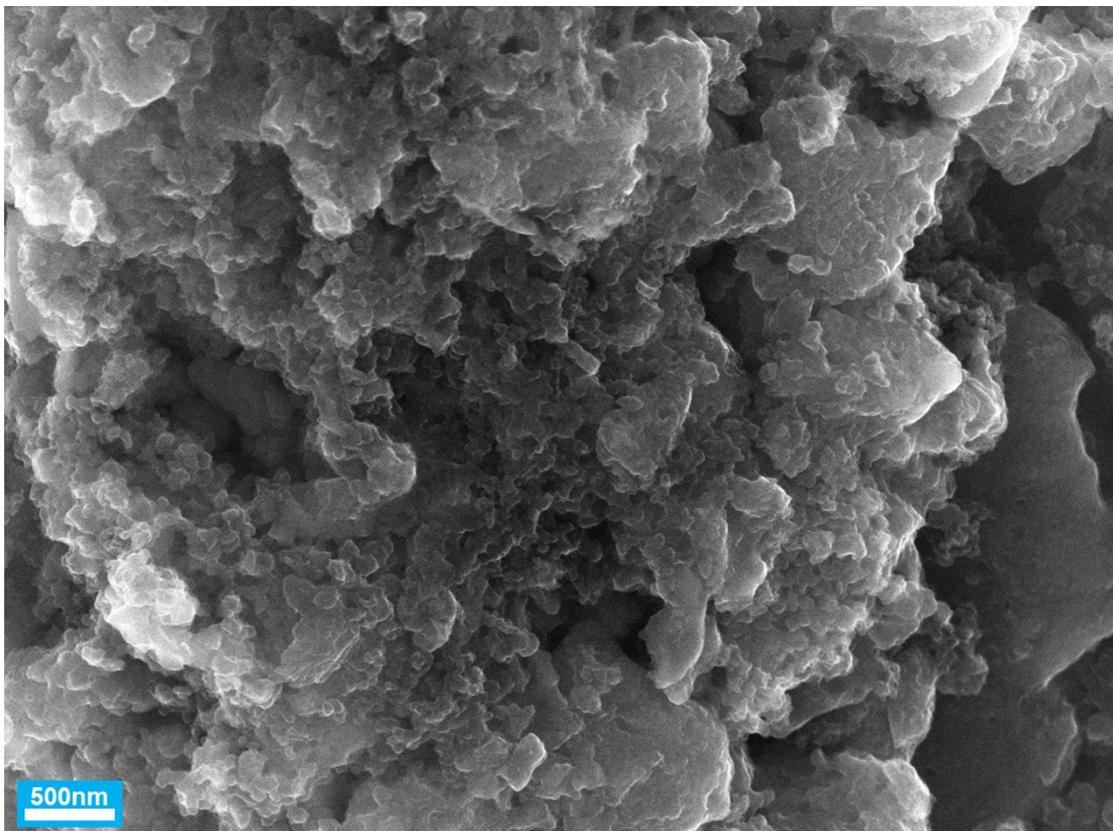


Fig.S7 SEM image of $\text{Mn}_{0.1}\text{Cl}_{0.3}\text{-NVP}$ after 400 cycles at 10C.

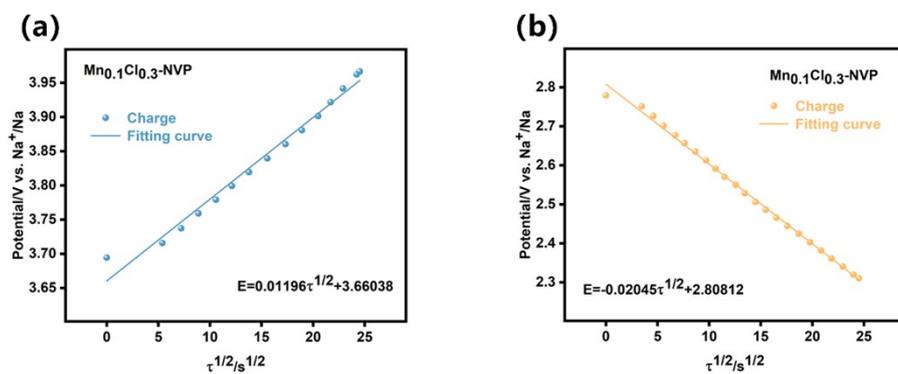


Fig.S8 Corresponding linear behavior of potential against $\tau^{1/2}$ in (a) Charge and (b) Discharge process.