

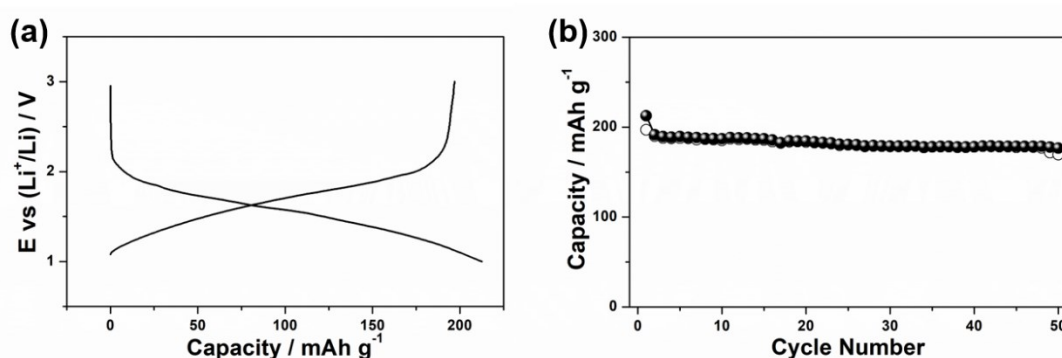
## Supplementary Information

### **Copper, zinc, and manganese niobates ( $\text{CuNb}_2\text{O}_6$ , $\text{ZnNb}_2\text{O}_6$ , and $\text{MnNb}_2\text{O}_6$ ): structural characteristics, $\text{Li}^+$ storage properties, and working mechanisms**

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**Fig. S1** (a) Charge–discharge profile at the 1st cycle and (b) cycling performance of  $\text{Nb}_2\text{O}_5$  at current density of  $100 \text{ mA g}^{-1}$