

Supporting Information:

Superior-Capacity Binder-Free Anode Electrode for Lithium-ion Batteries: $\text{Co}_x\text{Mn}_y\text{Ni}_z\text{O}$ Nanosheets with Metal/Oxygen Vacancies Directly Forming on Cu Foil

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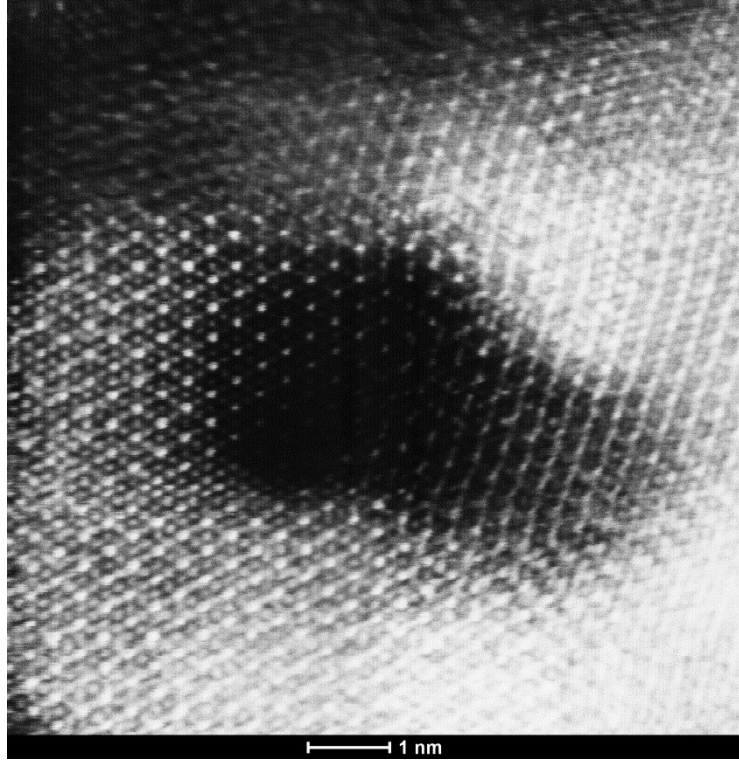


Fig. S1. STEM-HAADF image of CMN-CU.

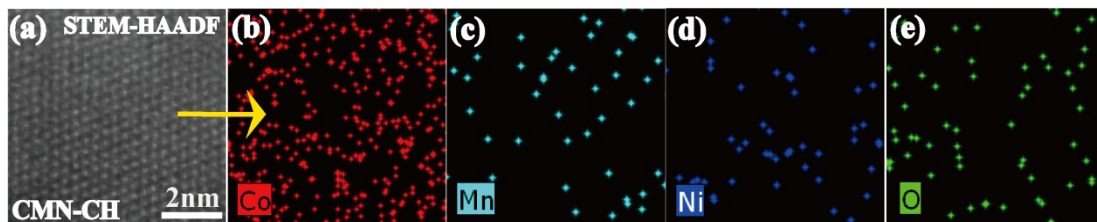


Fig. S2. Atomic mapping images of CMN-CU.

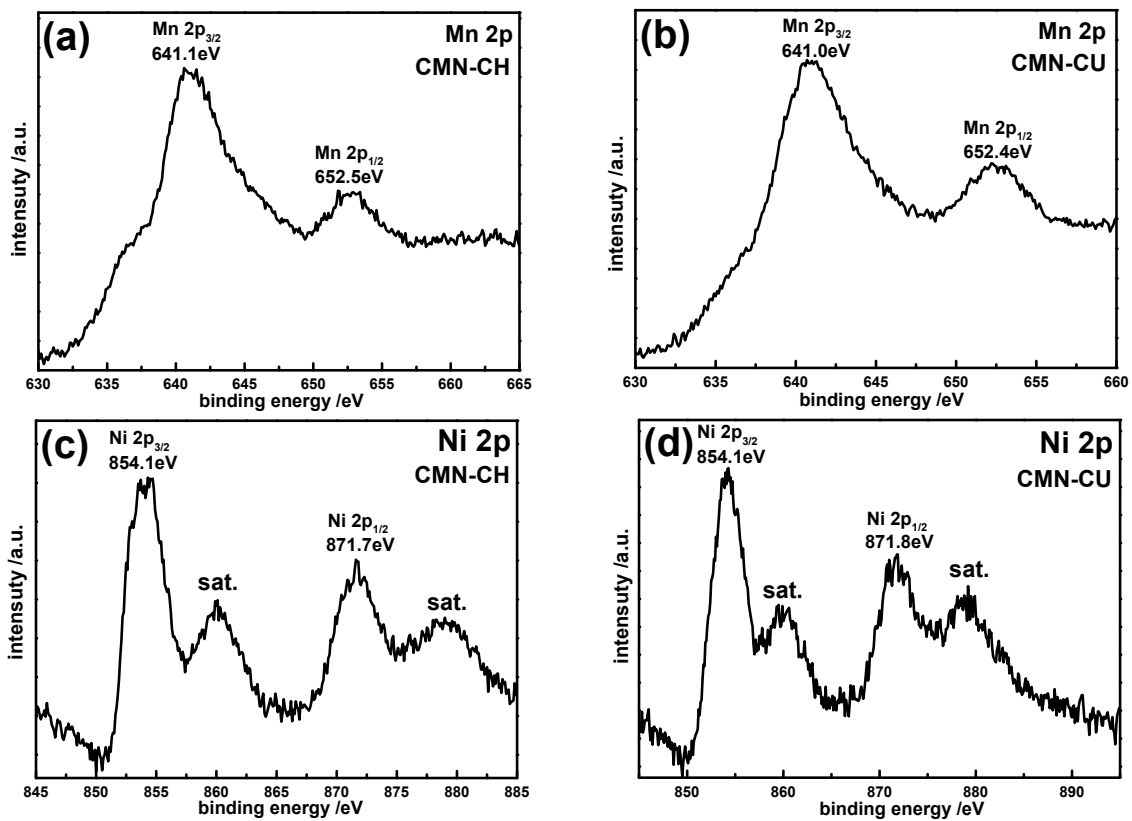


Fig. S3. XPS spectra of CMN-CH and CMN-CU.

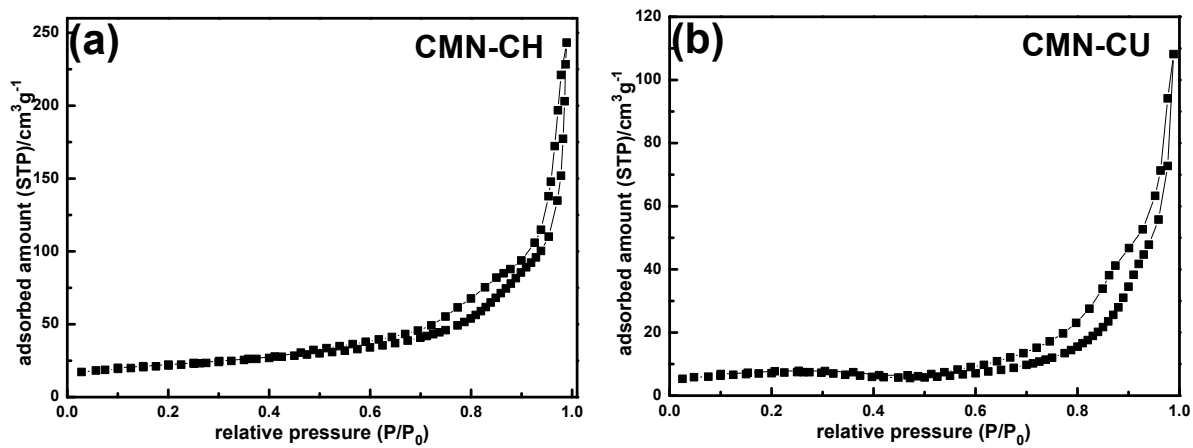


Fig. S4. The N₂ adsorption-desorption isotherms of (a) CMN-CH and (b) CMN-CU.

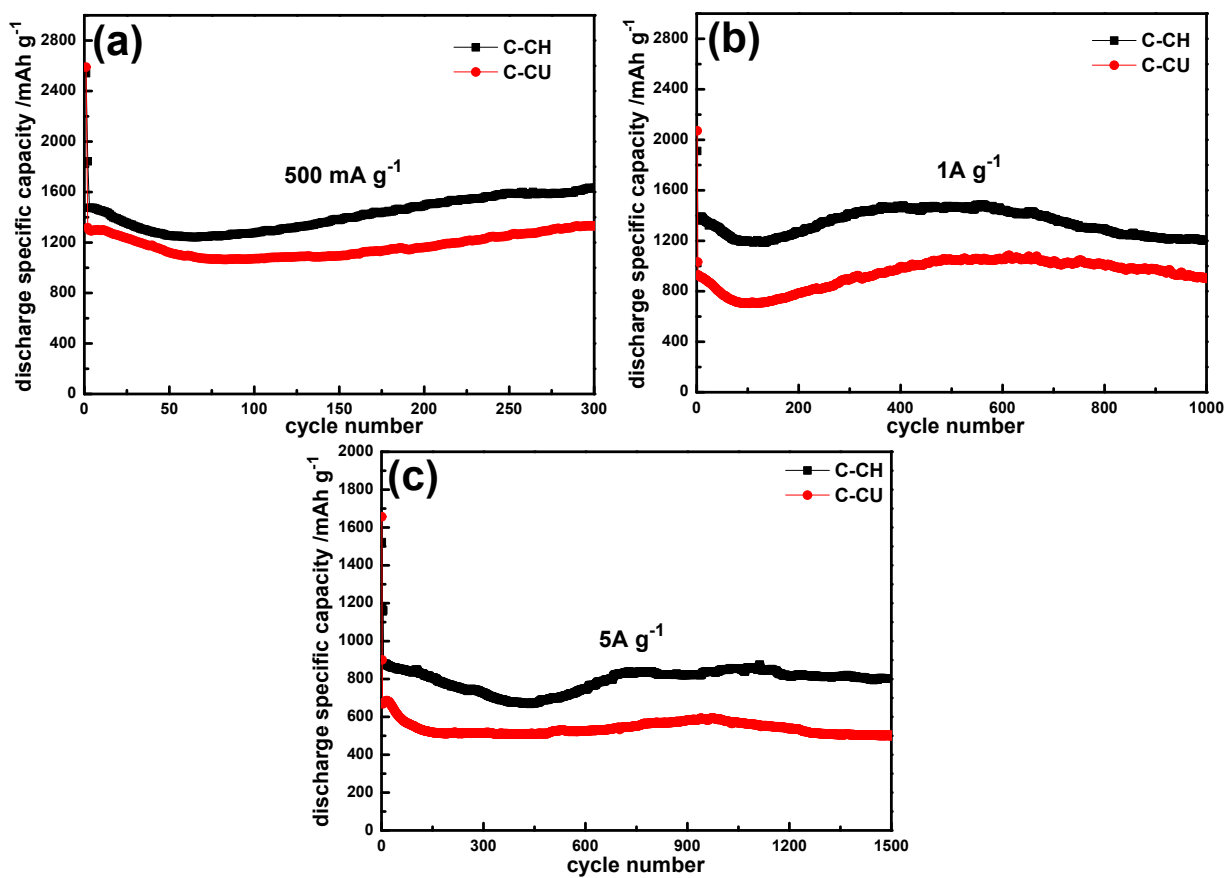


Fig. S5. Cycling performances of C-CH and C-CU at (a) 500 mA g⁻¹, (b) 1 A g⁻¹ and (c) 5 A g⁻¹. The voltage range is 0.01-3 V (vs Li/Li⁺).

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