

In-Situ Alloy-modified Sodiophilic Current Collectors for Anode-Less Sodium Metal Batteries

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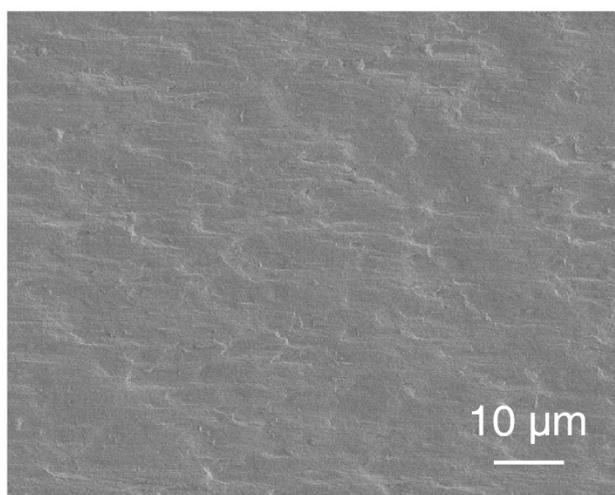


Figure S1. The SEM image of the Bare Cu.

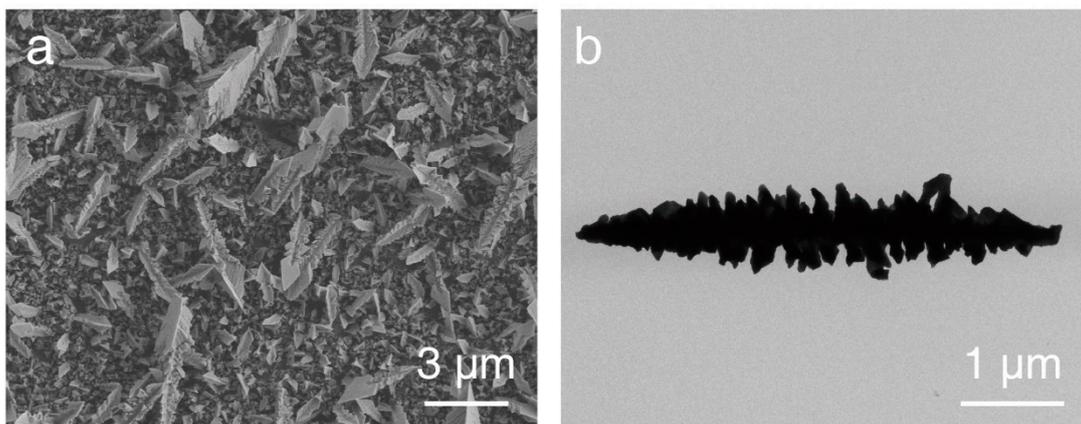


Figure S2. (a) The SEM image of the Cu@Bi. (b) The TEM image of the dendrite Bi.

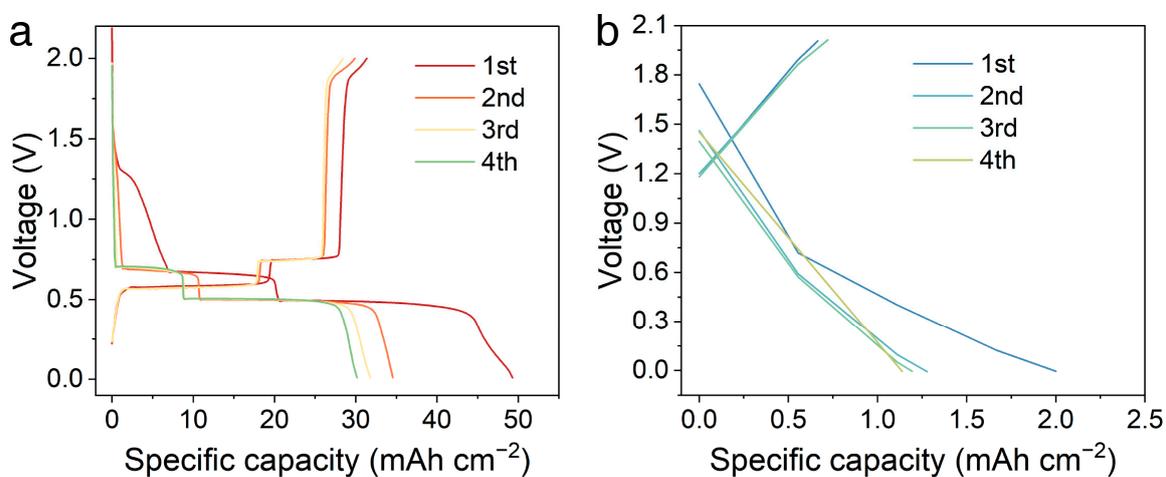


Figure S3. The activation process of (a) the Cu@Bi and (b) the Bare Cu.

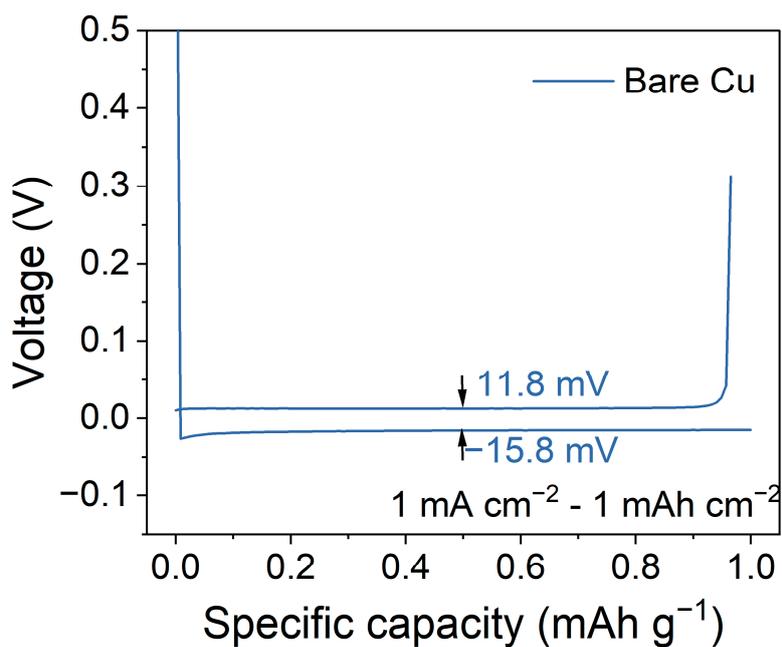


Figure S4. The voltage profile of the Bare Cu||Na at 1 mA cm^{-2} and 1 mAh cm^{-2} .

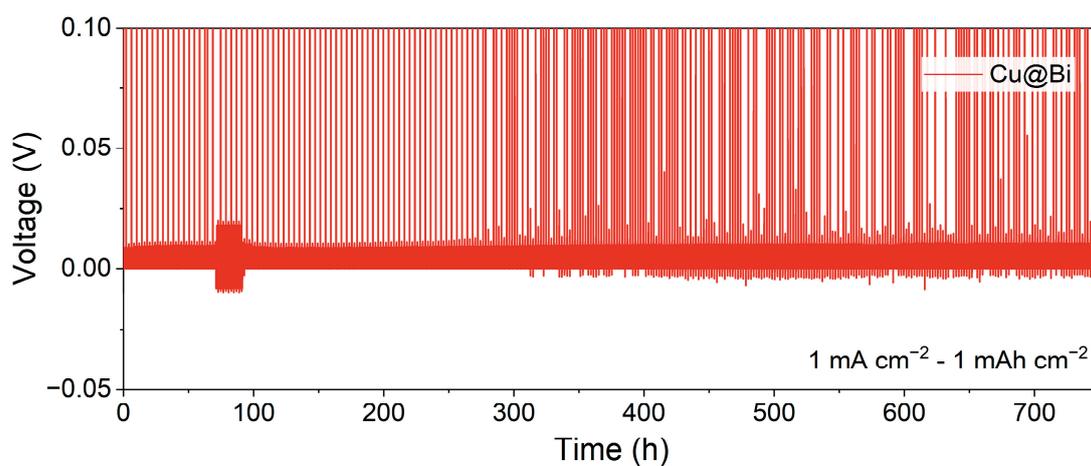


Figure S5. The voltage-time curves of the Cu@Bi||Na at 1 mA cm⁻² and 1 mAh cm⁻².

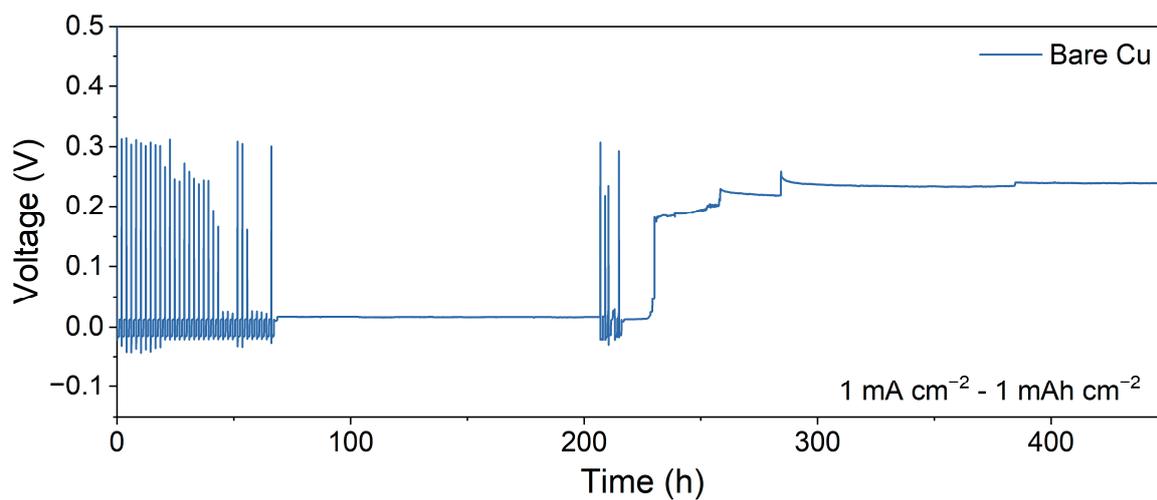


Figure S6. The voltage-time curves of the Bare Cu||Na at 1 mA cm⁻² and 1 mAh cm⁻².

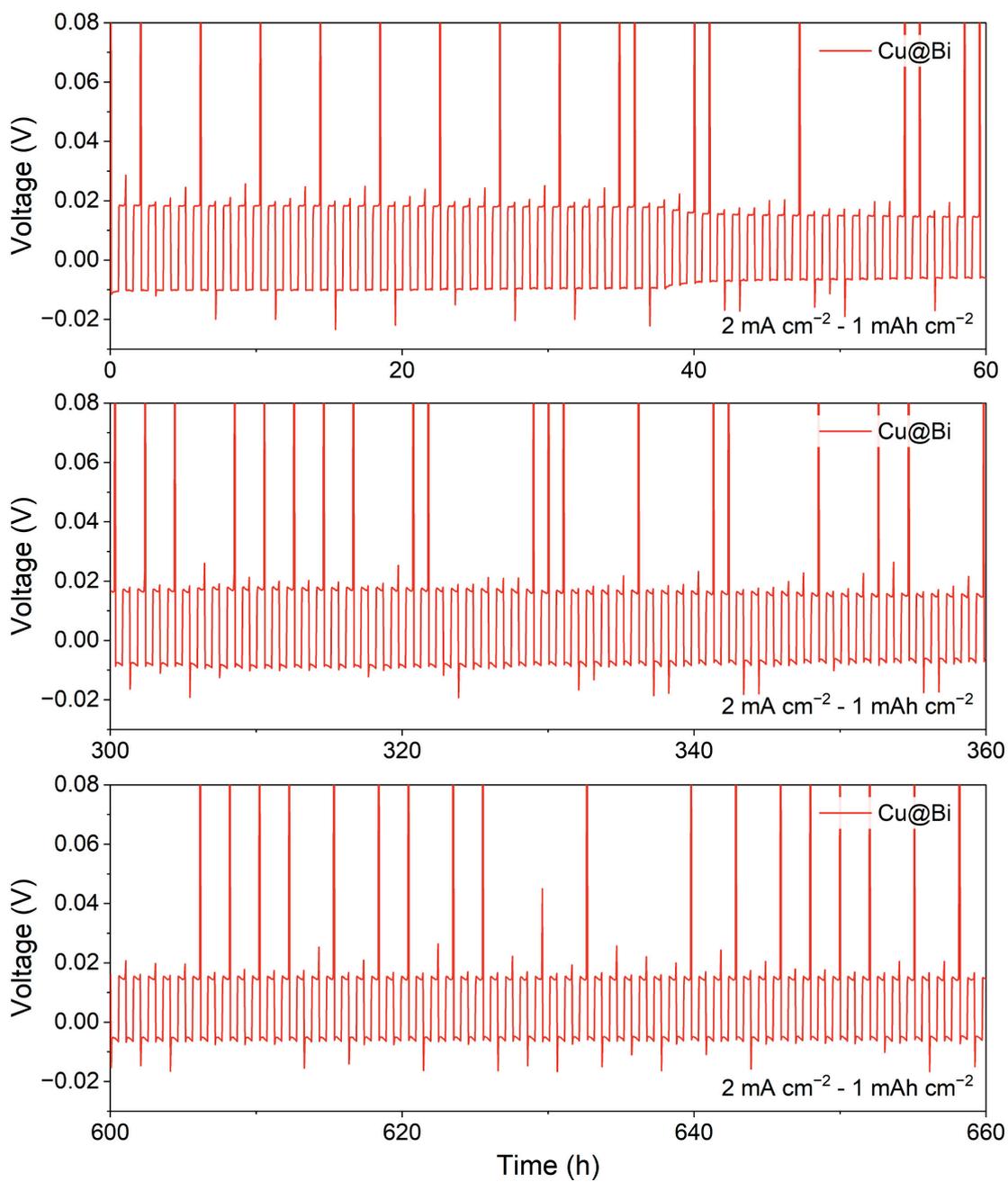


Figure S7. The enlarged voltage-time curves of the Cu@Bi||Na at 2 mA cm^{-2} and 1 mAh cm^{-2} .

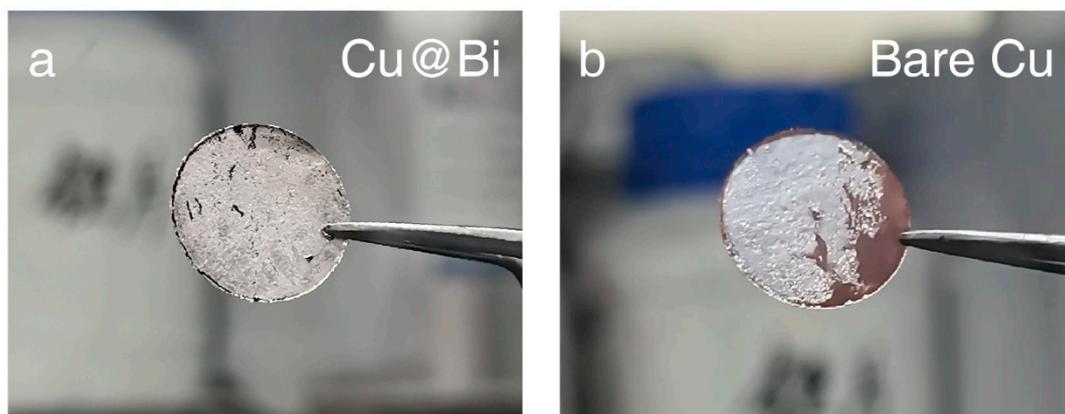


Figure S8. The optical image of 1 mAh cm^{-2} Na metal plated on (a) the Cu@Bi and (b) the Bare Cu.

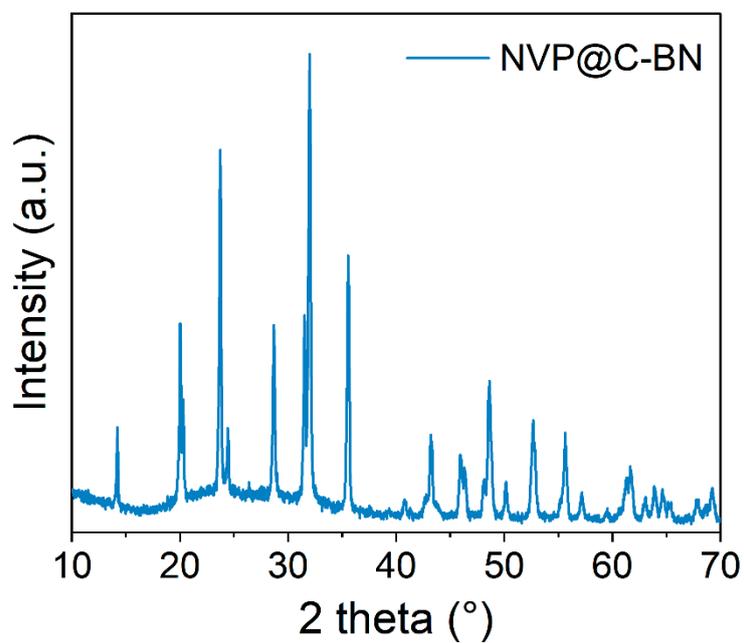


Figure S9. The XRD pattern of the NVP@C-BN.

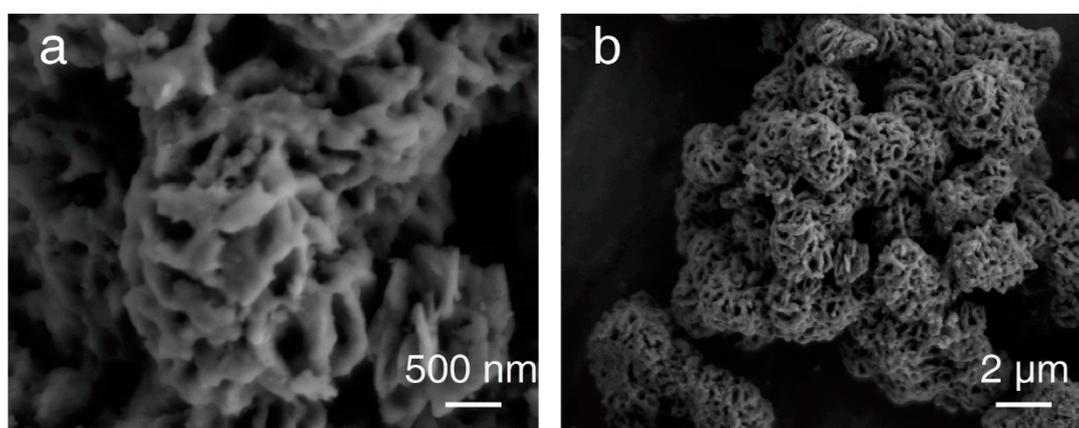


Figure S10. The SEM images of the NVP@C-BN.

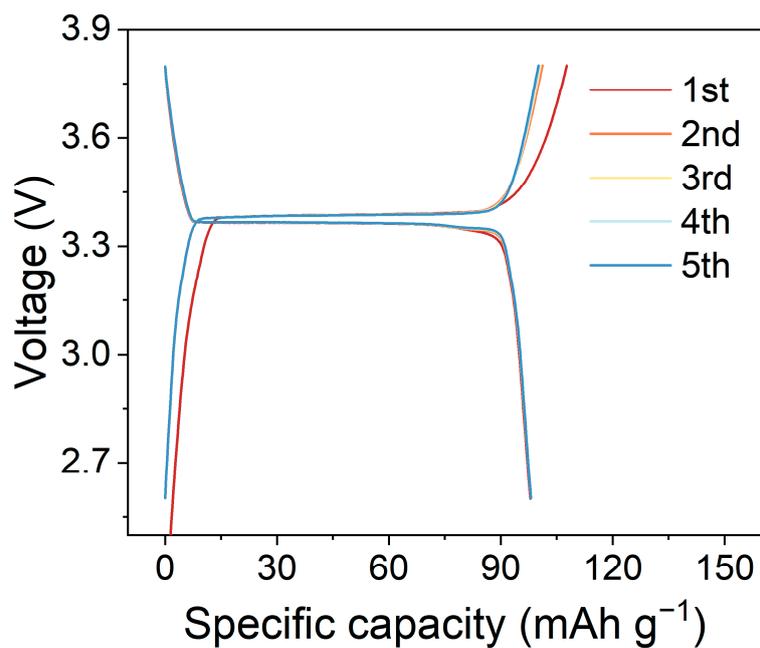


Figure S11. The voltage profiles of the NVP@C-BN when cycling at 1C.

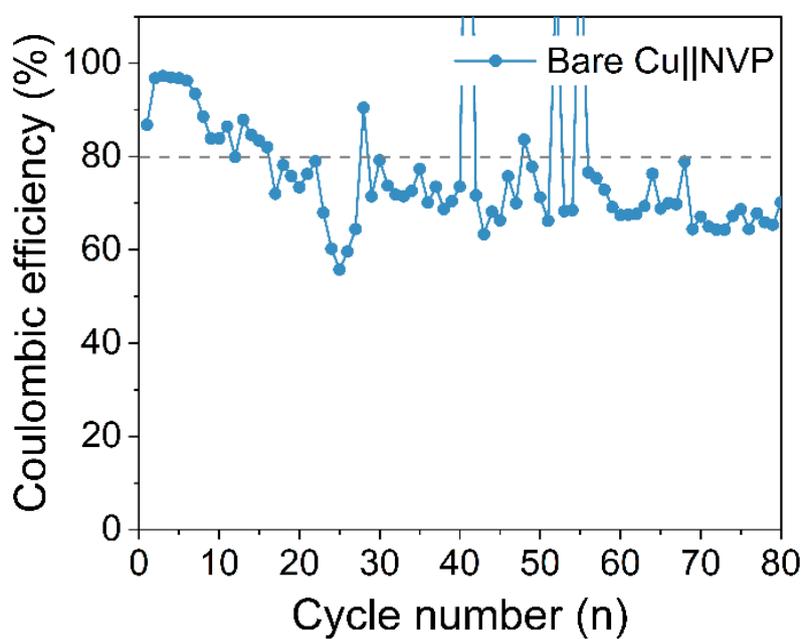


Figure S12. The coulombic efficiency of the Bare Cu||NVP at 1C.