

Supporting Information

A ZIF-derived ZnS@Co₃S₄ coupled with MXene and Ni-LDH on Ni foam: constructing a honeycomb-like electrode for advanced supercapacitor

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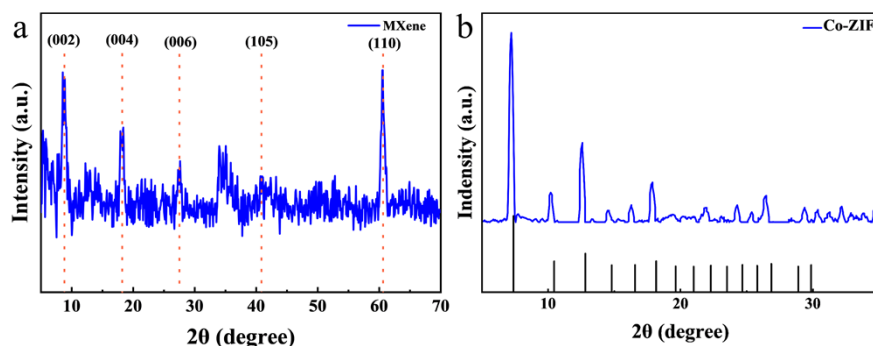


Fig. S1. XRD spectrum of Ti₃C₂T_x and Co-ZIF.

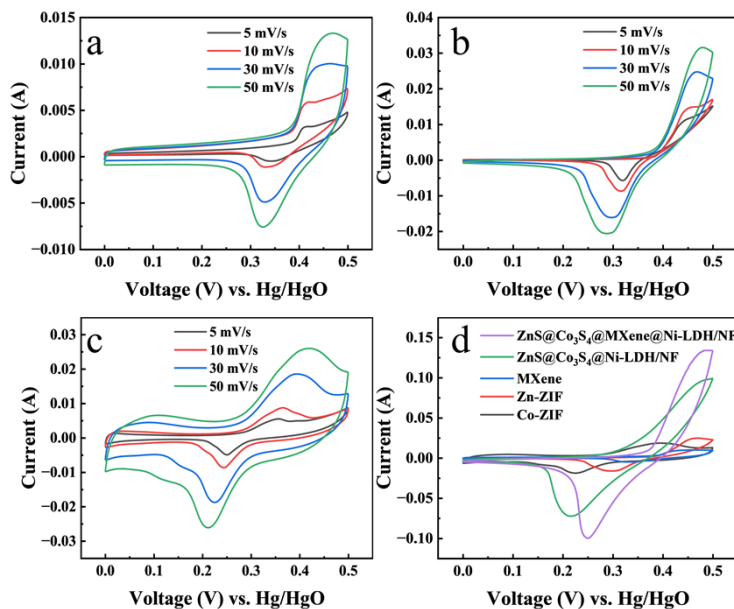


Fig. S2. The CV curves of (a) MXene, (b) Zn-ZIF, and (c) Co-ZIF; (d) A comparative CV plots at a scan rate of 30 mV/s for MXene, Zn-ZIF, Co-ZIF, ZnS@Co₃S₄@Ni-LDH, and ZnS@Co₃S₄@MXene@Ni-LDH.

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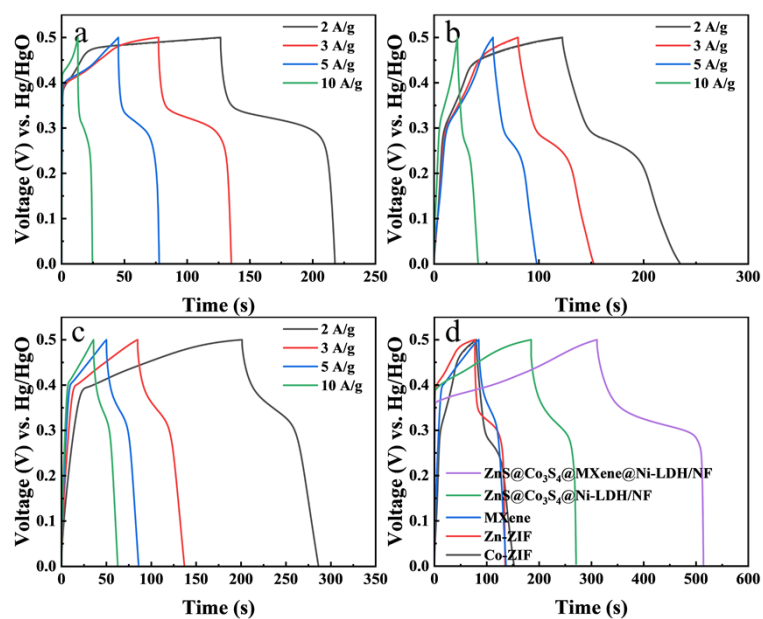


Fig. S3. The GCD curves of (a) MXene, (b) Zn-ZIF, and (c) Co-ZIF at various current densities; (d) A comparative GCD plots measured at a current density of 3 A/g for MXene, Zn-ZIF, Co-ZIF, ZnS@Co₃S₄@Ni-LDH, and ZnS@Co₃S₄@Ni-LDH@MXene.