

**Structural engineering of bimetallic selenides for high-energy density
sodium-ion half/full batteries**

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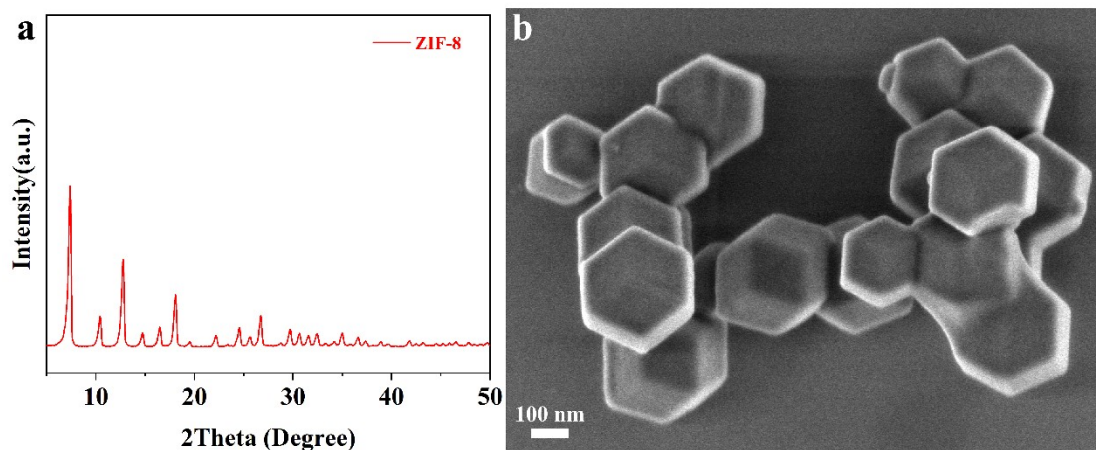


Figure S1. (a) XRD pattern and (b) SEM image of ZIF-8.

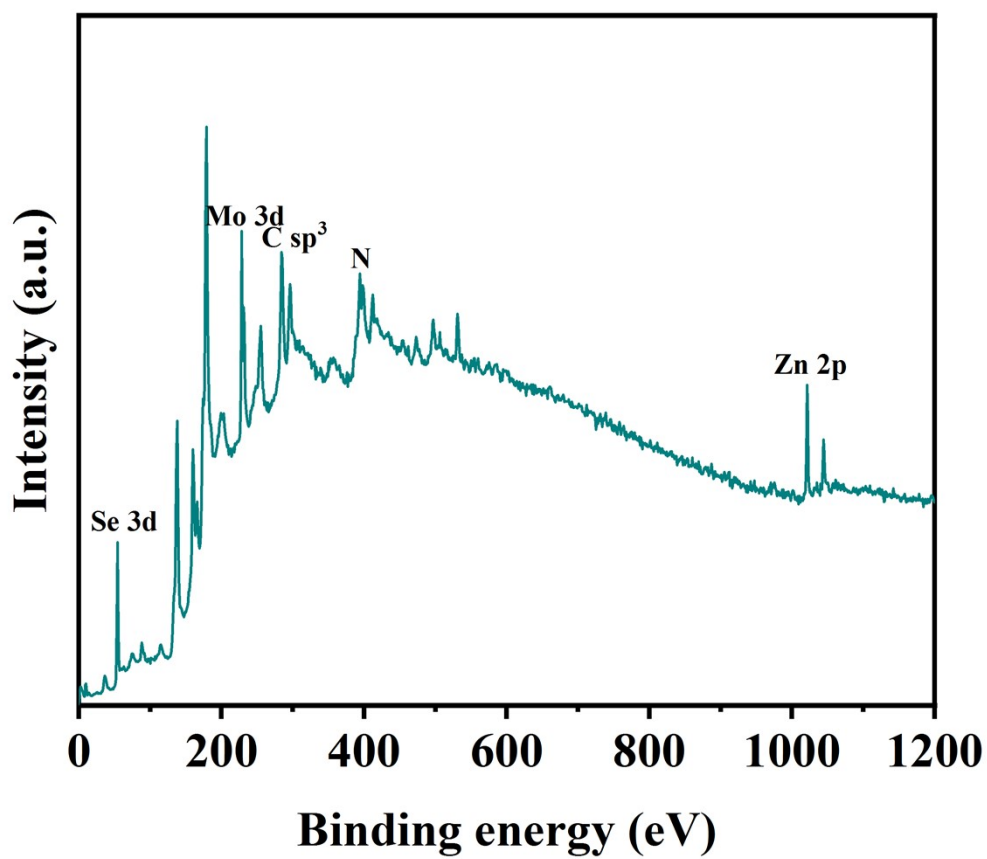


Figure S2. Full XPS survey spectrum of ZnSe/MoSe₂@NC.

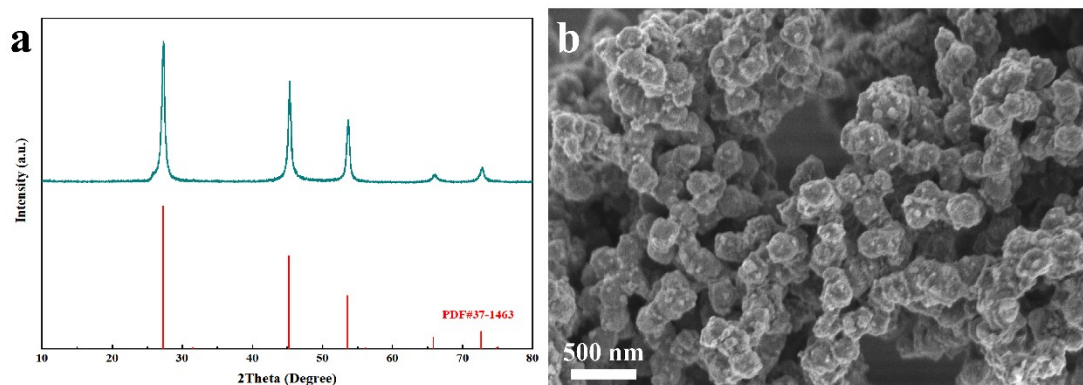


Figure S3. (a) XRD pattern and (b) SEM image of ZnSe.

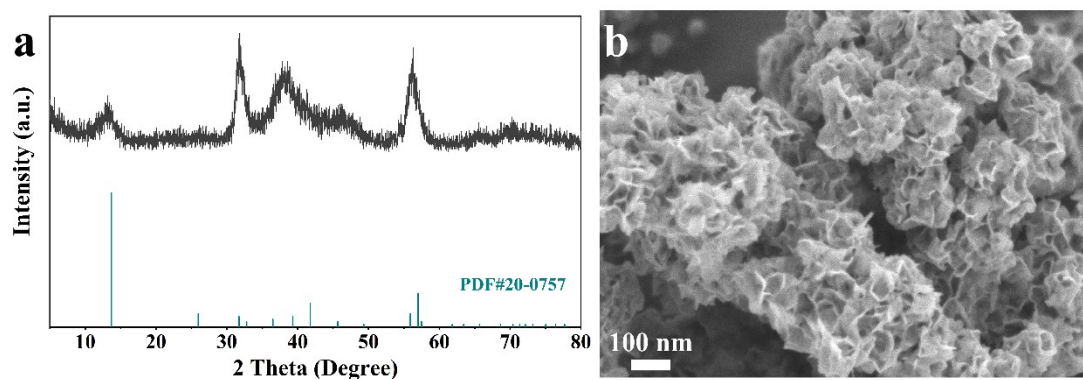


Figure S4. (a) XRD pattern and SEM image of MoSe₂.

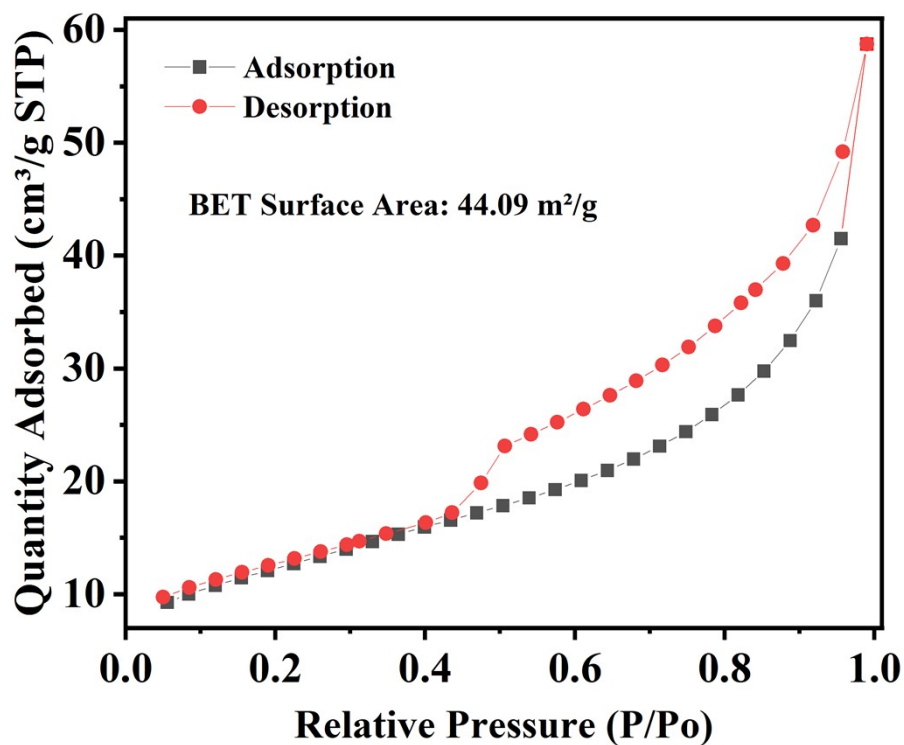


Figure S5. BET surface area of ZnSe/MoSe₂@NC.

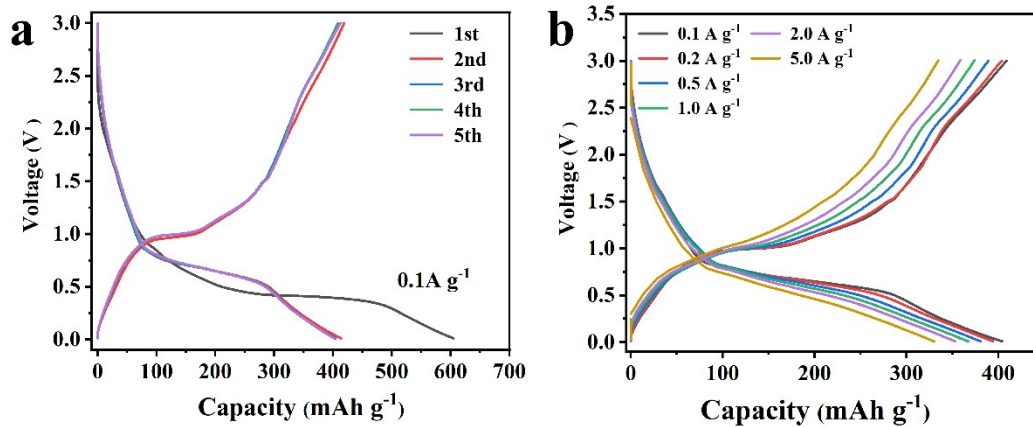


Figure S6. GCD curves of ZnSe: (a) initial 5 cycles at 0.1 A g⁻¹; (b) 0.1 to 5 A g⁻¹.

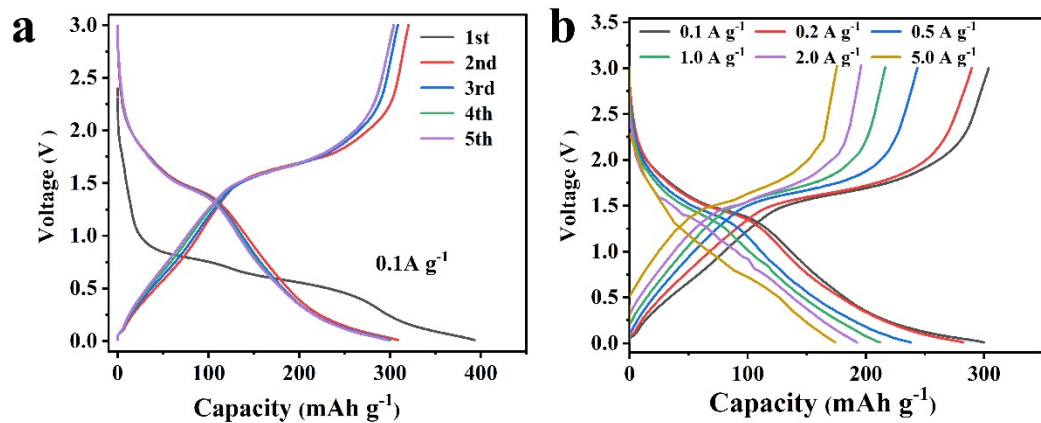


Figure S7. GCD curves of MoSe₂: (a) initial 5 cycles at 0.1 A g⁻¹; (b) 0.1 to 5 A g⁻¹.

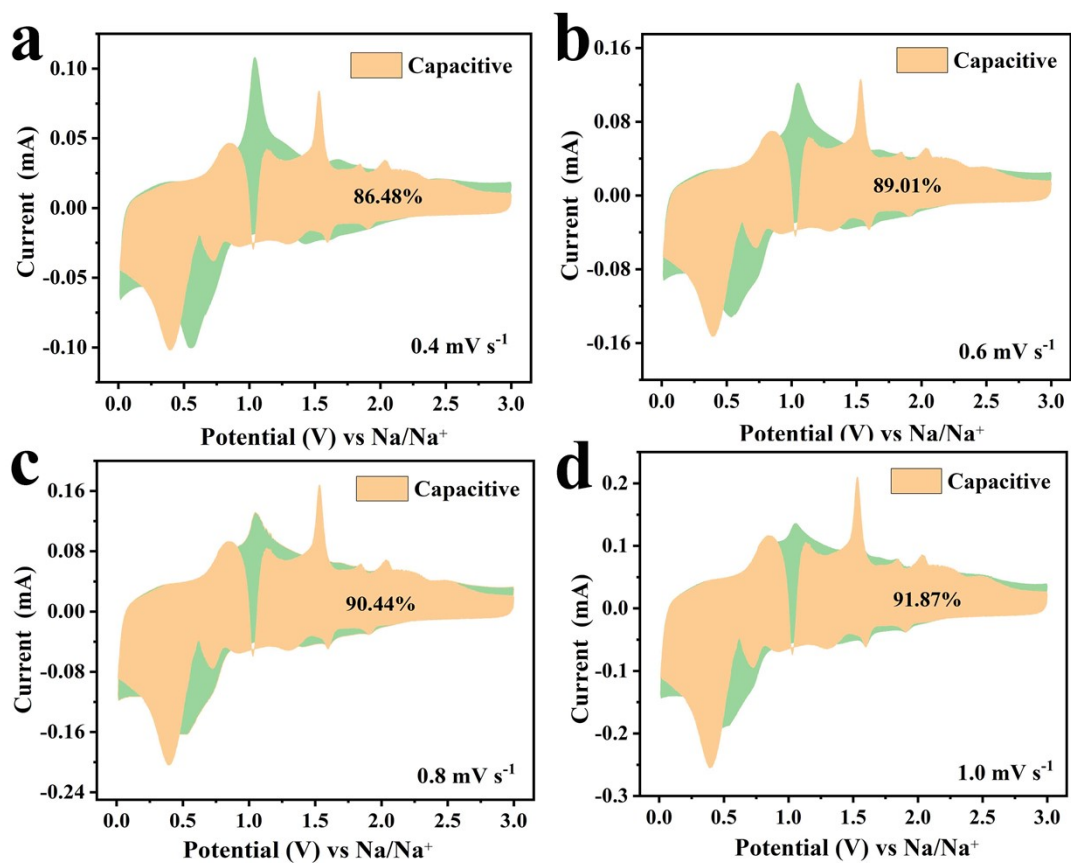


Figure S8. Capacitive contribution in CV curves under the scan rate of (a) 0.4 mV s⁻¹, (b) 0.6 mV s⁻¹, (c) 0.8 mV s⁻¹ and (d) 1.0 mV s⁻¹.