

Supporting Information

Nitrogen-doped porous carbon nanosheets based on Schiff base reaction for high-performance lithium-ion batteries anode

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1. Figures and Tables

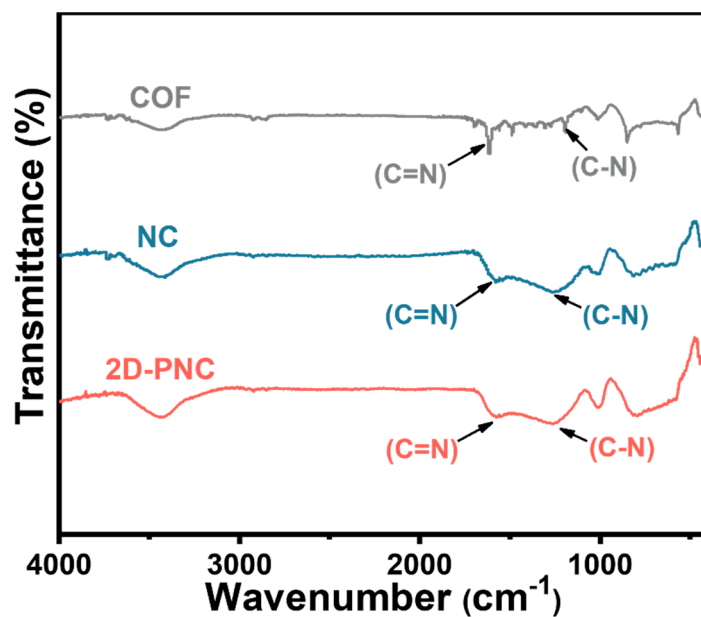


Figure S1. FTIR of COF, NC, and 2D-PNC.

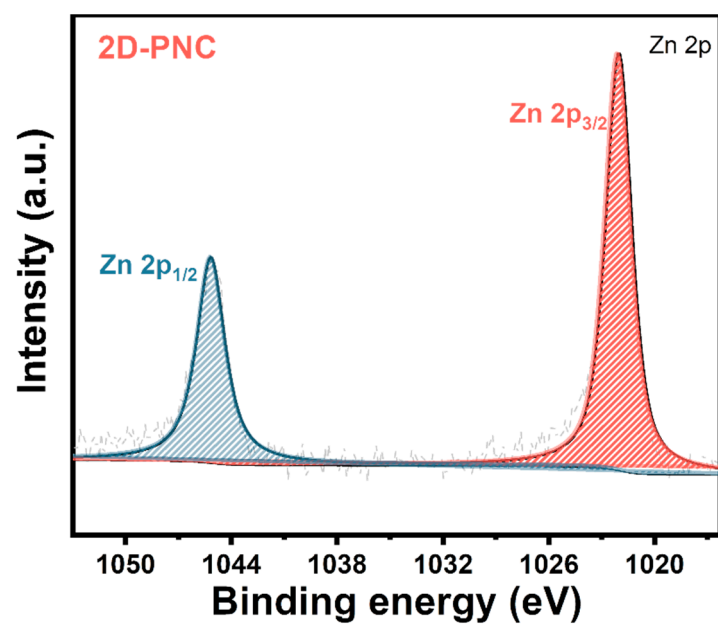


Figure S2. Zn 2P XPS spectra of the 2D-PNC.

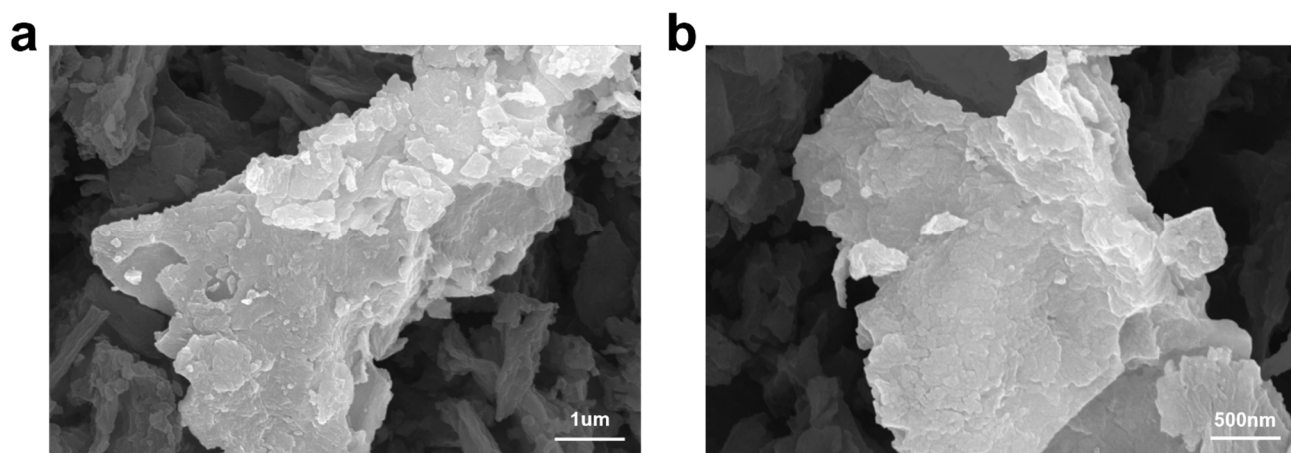


Figure S3. (a, b) SEM images of NC.

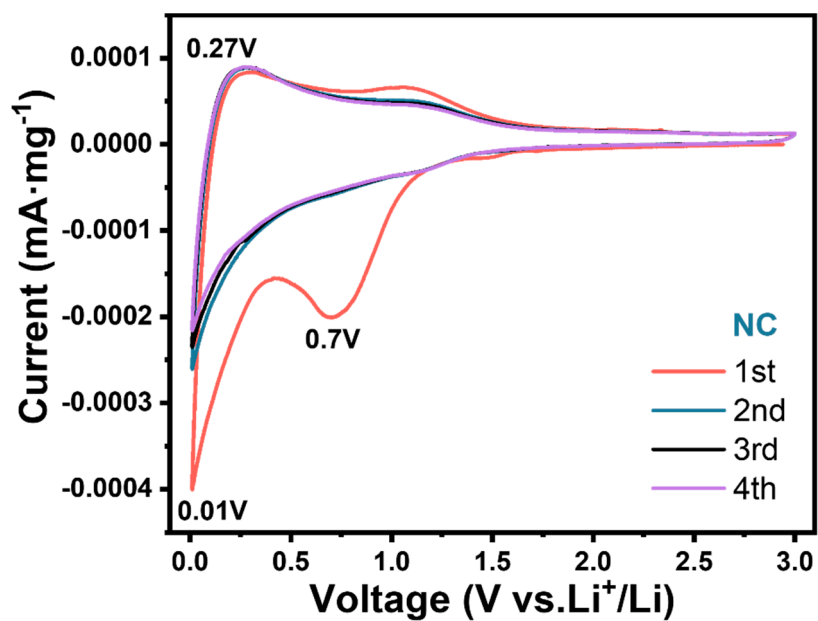


Figure S4. CV curves for the first four cycles at $0.1 \text{ mV} \cdot \text{s}^{-1}$ of NC.

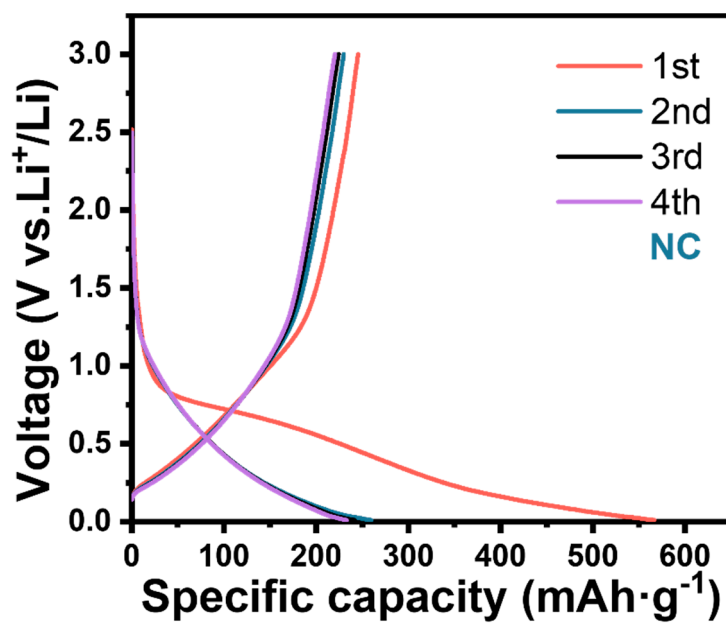


Figure S5. Charge/discharge voltage profiles for the first four cycles at $0.2 \text{ A} \cdot \text{g}^{-1}$ of NC.

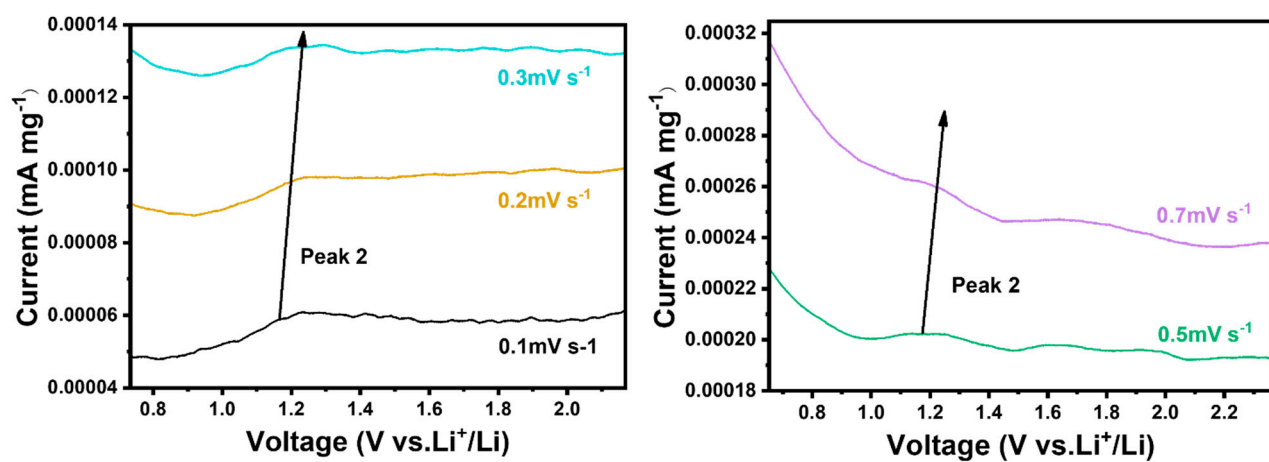


Figure S6. The zoomed-in figures of CV curves of 2D-PNC at different scan rates.

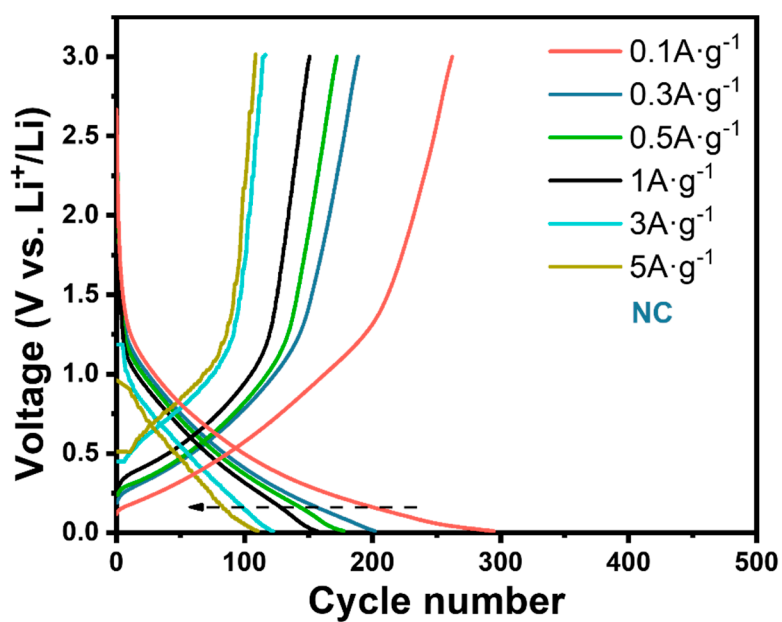


Figure S7. The corresponding voltage profiles at various current densities from 0.1 to 5 A·g⁻¹ of NC

Table S1. The values of different scan rates (mV s^{-1}) and the corresponding current peaks ($\text{mA} \cdot \text{mg}^{-1}$).

v	Peak 1	Peak 2
0.1	-0.000033	0.000059
0.2	-0.000074	0.000096
0.3	-0.00011	0.00013
0.5	-0.00018	0.00020
0.7	-0.00026	0.00026
1.0	-0.00037	0.00034
2.0	-0.00076	0.00060
3.0	-0.0011	0.00081