

Supporting Information

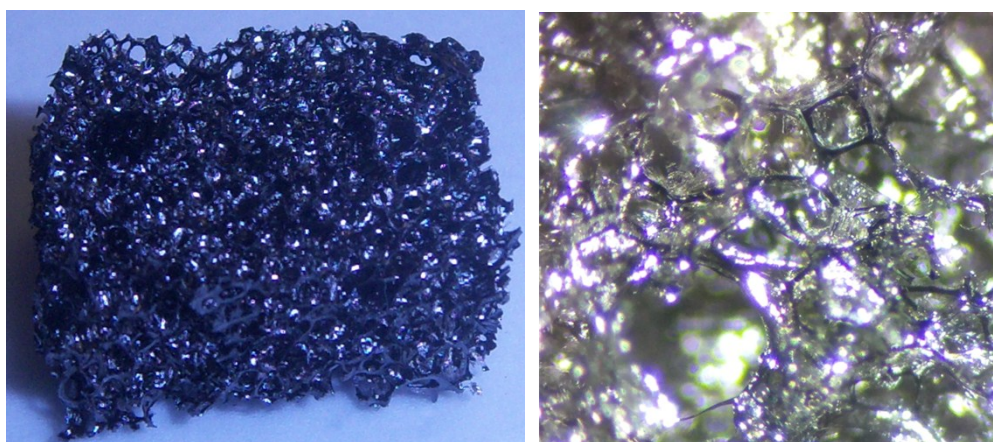
Surficial Nanoporous Carbon with High Pyridinic/Pyrrolic N-Doping from sp^3/sp^2 -N-Rich Azaacene Dye for Lithium Storage

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NC

Figure S1. The photograph of shining self-supported 3D carbon: NC.

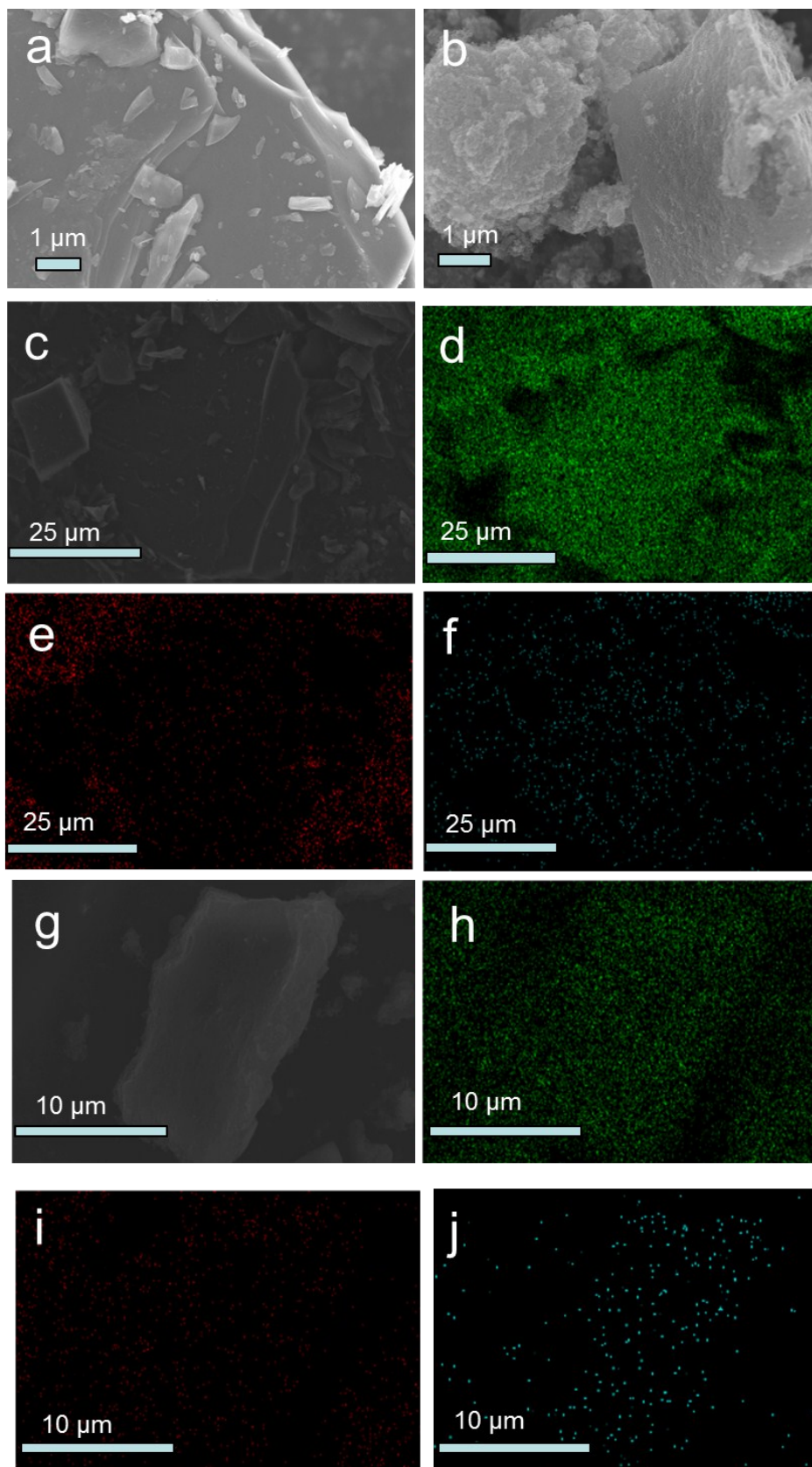


Figure S2. FE-SEM images of NC with smoothing surface (a) and NPC with etched surface (b); Carbon (d, h), oxygen (e, i), and nitrogen (f, j) mapping images of NC (d, e, f) and NPC (h, i, j) particles.

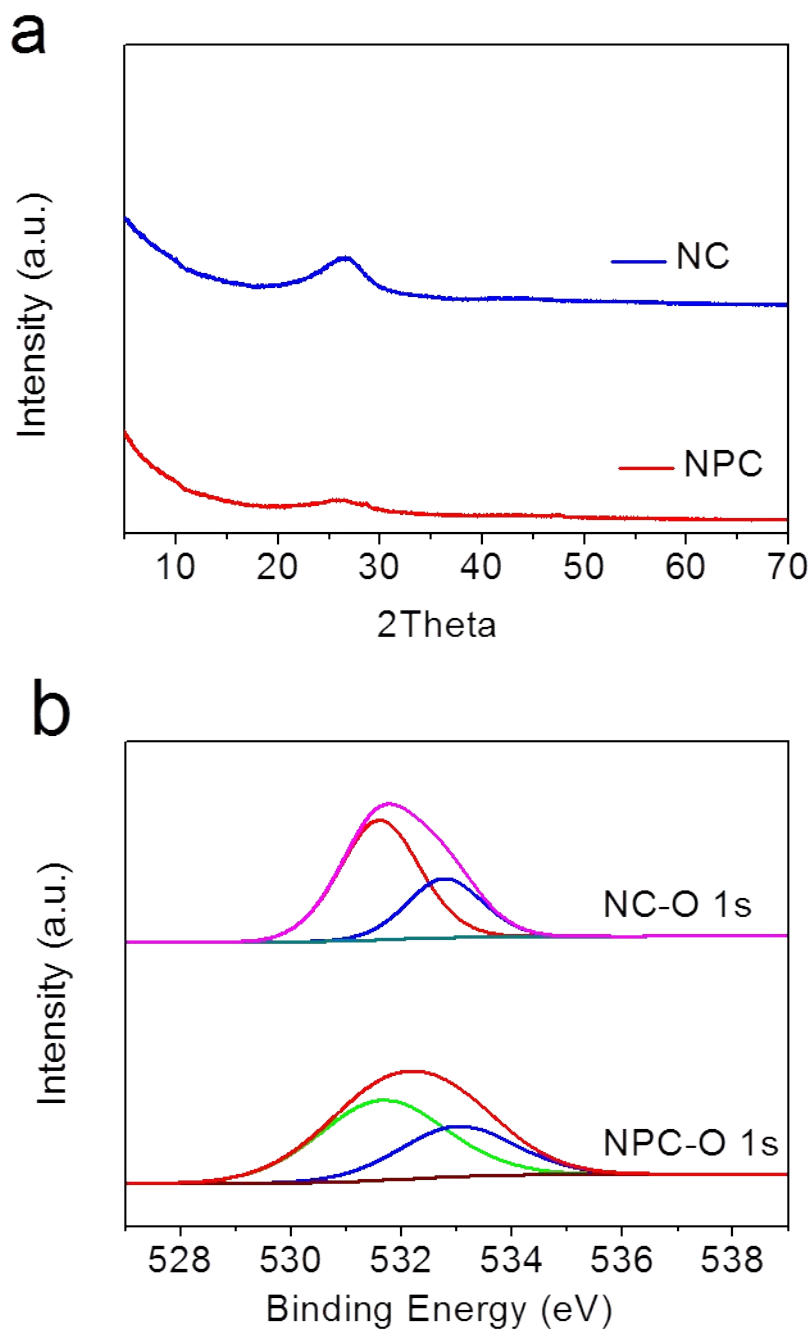


Figure S3. (a) Powder XRD patterns of **NC** and **NPC** made from π -conjugated azaacene dye at 700 °C; (b) The O 1s XPS spectrum with fitted curves of **NC** and **NPC**.

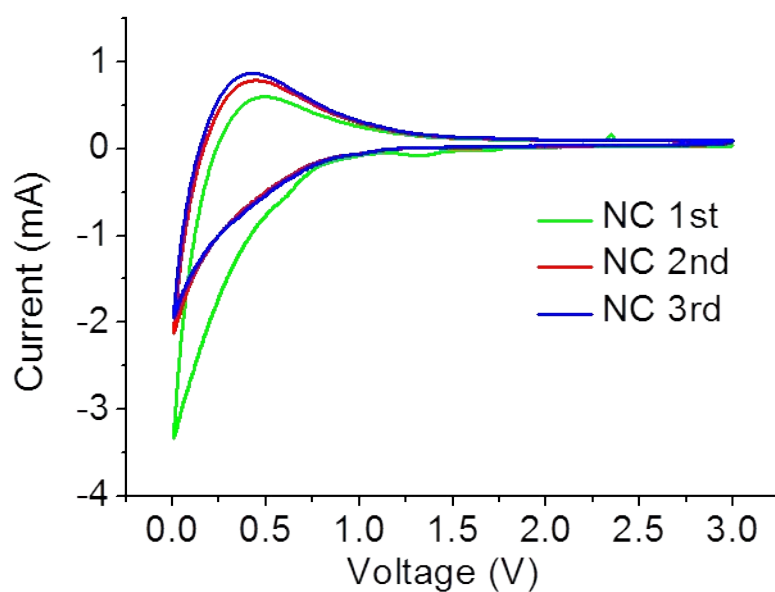


Figure S4. Electrochemical performance of NC electrode: The first, second, and third CV profiles at a scan rate of 0.5 mVs^{-1} over the potential window of 0.005–3 (vs Li/Li⁺).

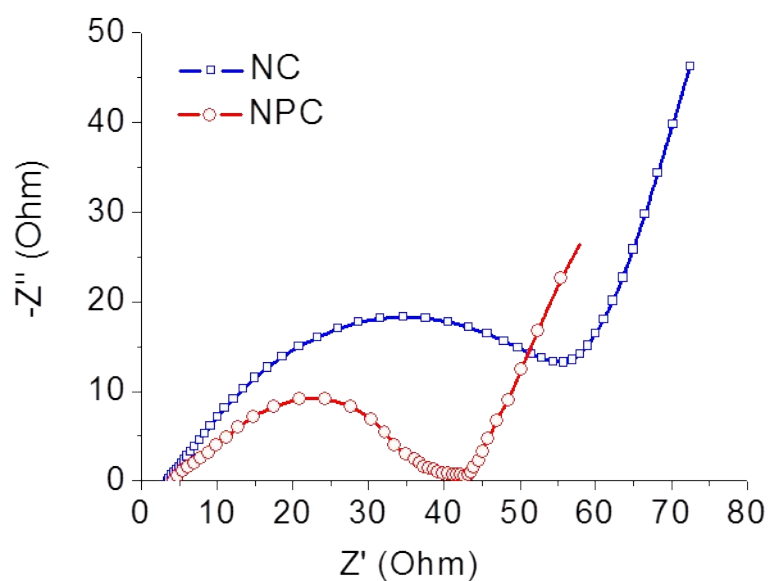


Figure S5. a) Electrochemical impedance spectroscopy of NC and NPC electrodes