Supplementary Materials: Evaluation of Nanoporous Carbon Synthesized from Direct Carbonization of Metal-organic Complex as Highly Effective Dye Adsorbent and Supercapacitor

Xiaoze Shi, Shuai Zhang, Xuecheng Chen and Ewa Mijowska

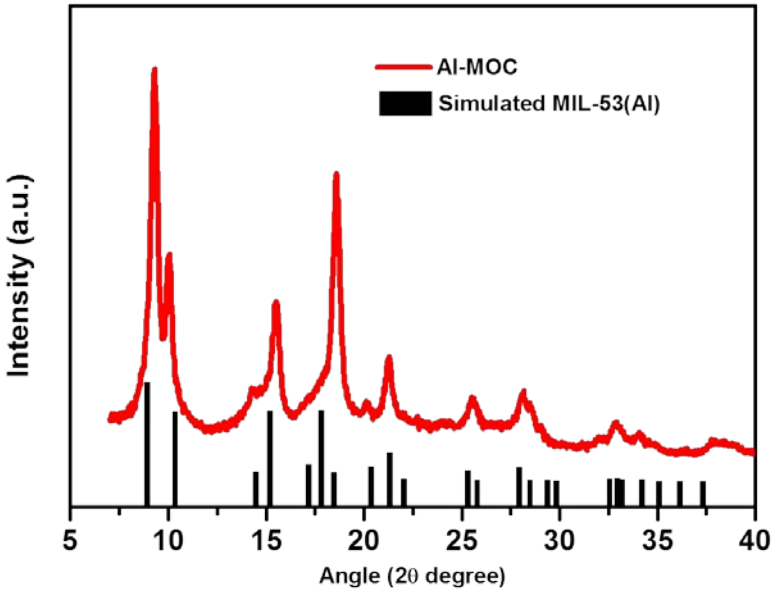

Figure 1. X-ray diffraction (XRD) pattern of Al-based metal-organic complex (Al-MOC) and the peak position of simulated MIL-53 (Al).

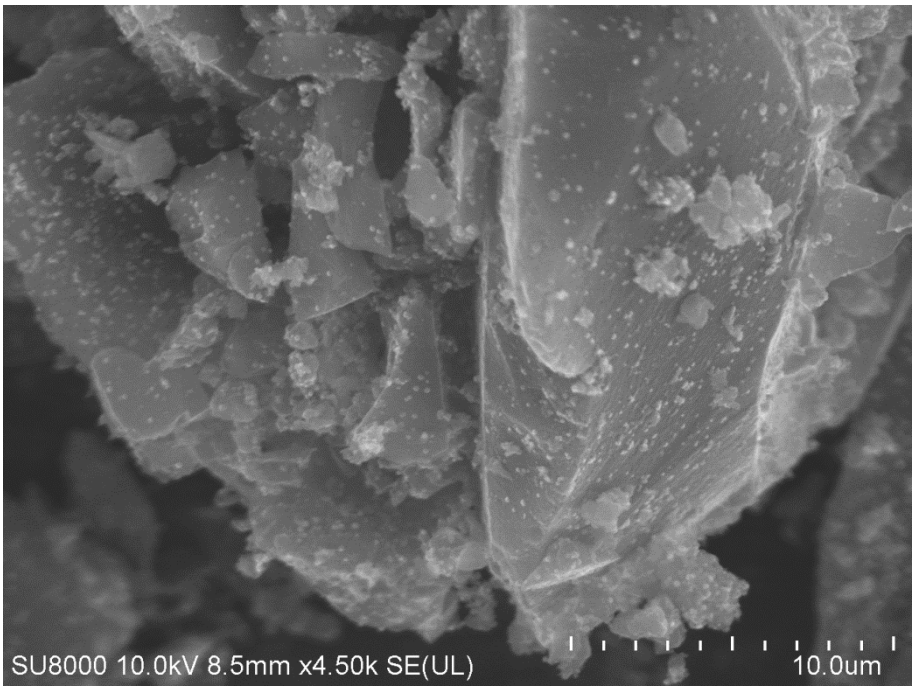

Figure 2. Scanning Electron Microscopy (SEM) image of nanoporous carbon (NPC).

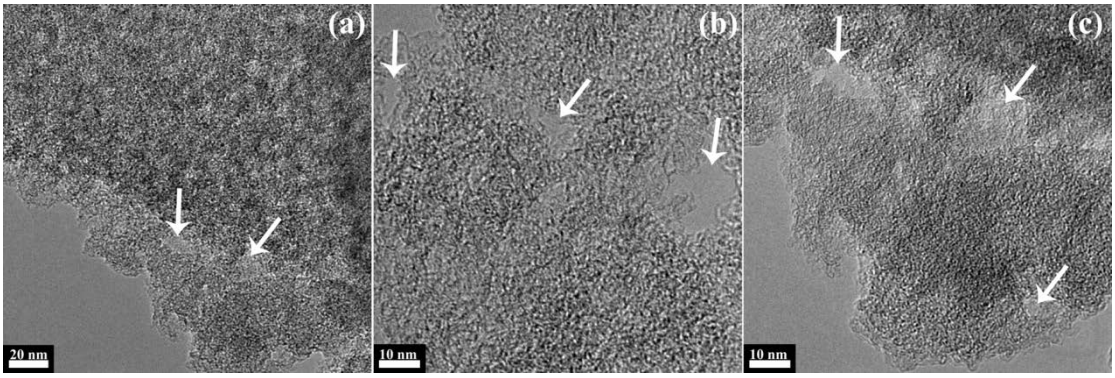

Figure 3. (**a**) Transmission electron microscopy (TEM) image of NPC with mesopores pointed by arrows at the edge. (**b**,**c**) High-resolution TEM images of the thin edges of NPC with mesopores pointed by arrows.

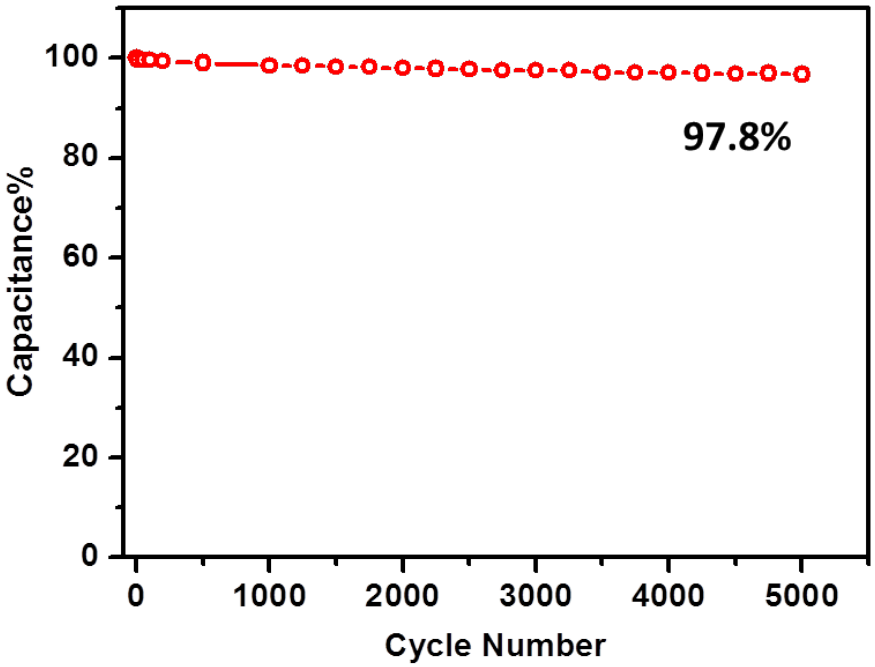

Figure 4. Specific capacitance retention for NPC at a current density of 10 A/g within 5000 cycles.