

Supporting Information

Nanoporous Carbons with a 3D Nanonetwork-Interconnected 2D

Ordered Mesoporous Structure for Rapid Mass Transport

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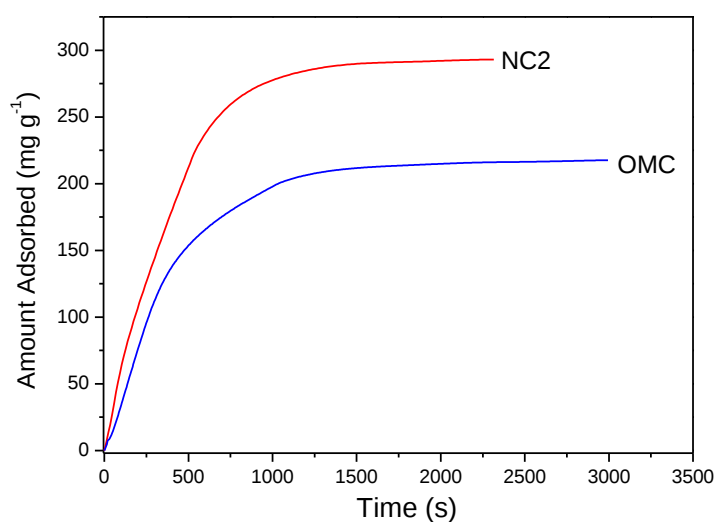


Fig. S1 Adsorption speed of NC2 and OMC for methanol vapor.

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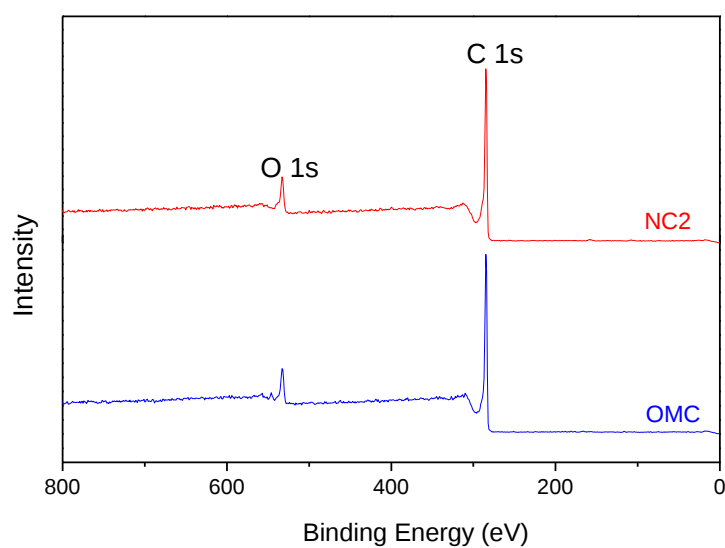


Fig. S2 XPS spectra of NC2 (C: 86.5 at.%; O: 13.5 at.%) and OMC (C: 87.6 at.%; O: 12.4 at.%), confirming their surface chemistry similarity.

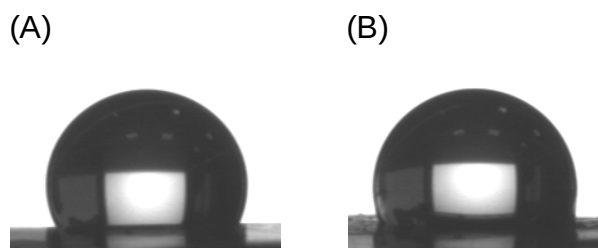


Fig. S3 Optical micrographs of the water droplets on NC2 (A) and OMC (B) with water contact angles of 120° and 119° , respectively, validating their surface wettability similarity.

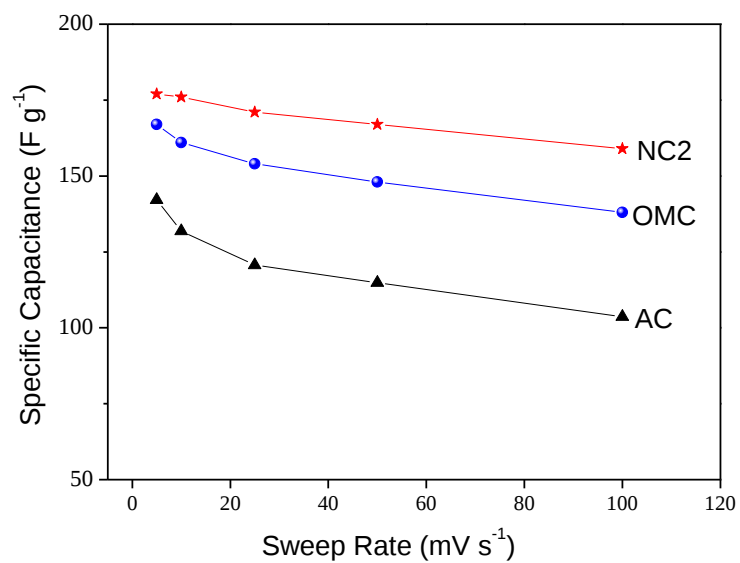


Fig. S4 The mass specific capacitance of NC2, OMC and AC at various sweep rates.

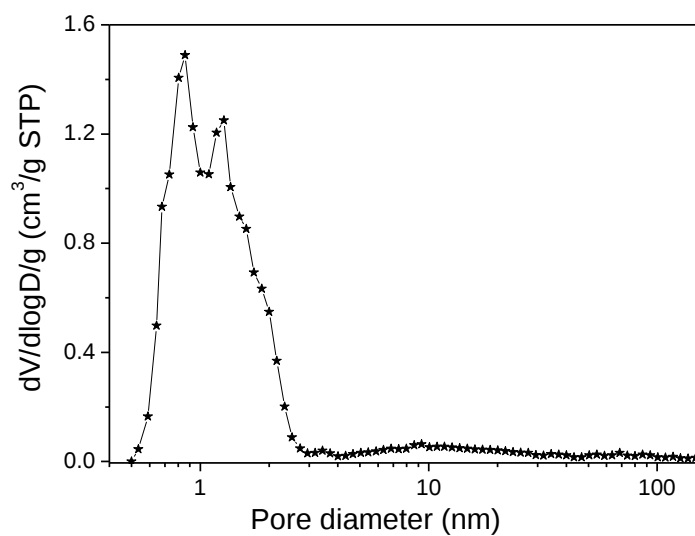


Fig. S5 Pore size distribution of AC.