

Supporting information

Facile synthesis and basic catalytic application of 3D mesoporous carbon nitride with a controllable bimodal distribution**

Siddulu Naidu Talapaneni,^{b,c} Srinivasan Anandan,^b Gurudas P. Mane,^{b,c} Chokkalingam Anand,^{a,b} Dattatray S. Dhawale,^a Shaji Varghese,^a Ajayan Mano,^b Toshiyuki Mori,^{c,d} and Ajayan Vinu^{a,b,c*}

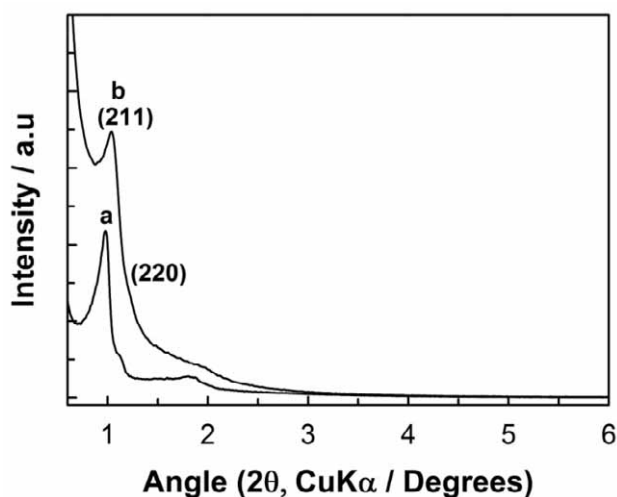


Fig. 1S Lower angle powder XRD pattern of (a) KIT-6-100 and (b) MCN-6-100.

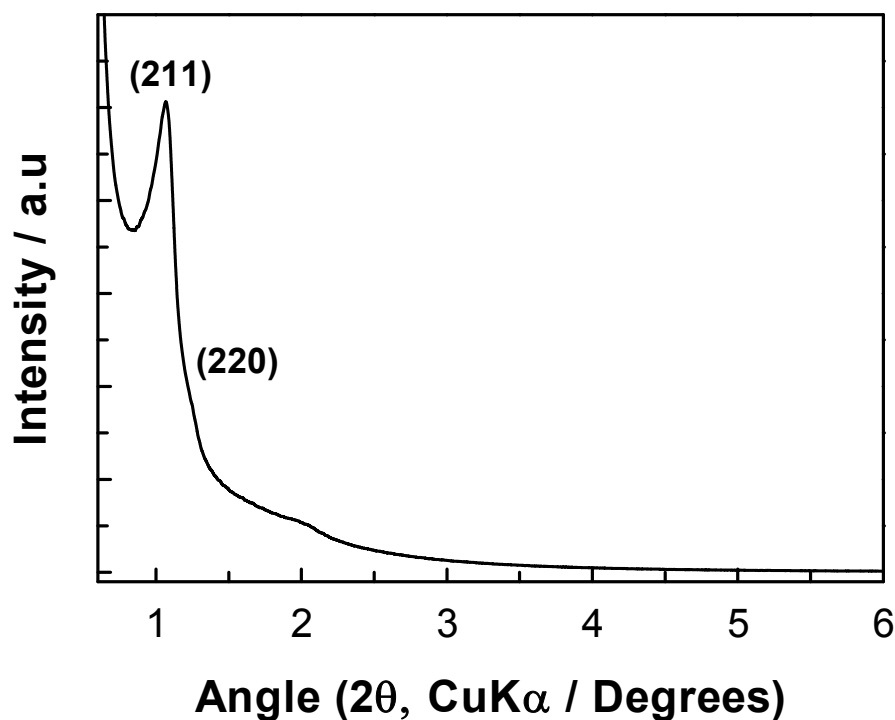


Fig. 2S Lower angle powder XRD pattern of mesoporous carbon nitride washed with NaOH.

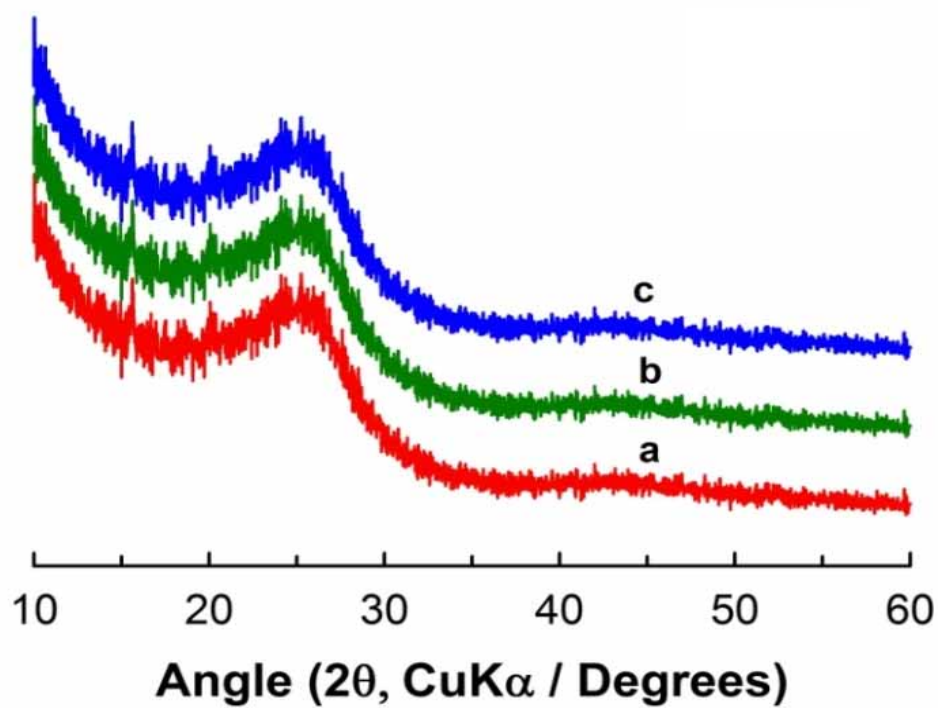


Fig. 3S Lower angle powder XRD pattern of (a) KIT-6-100 and (b) MCN-6-100.

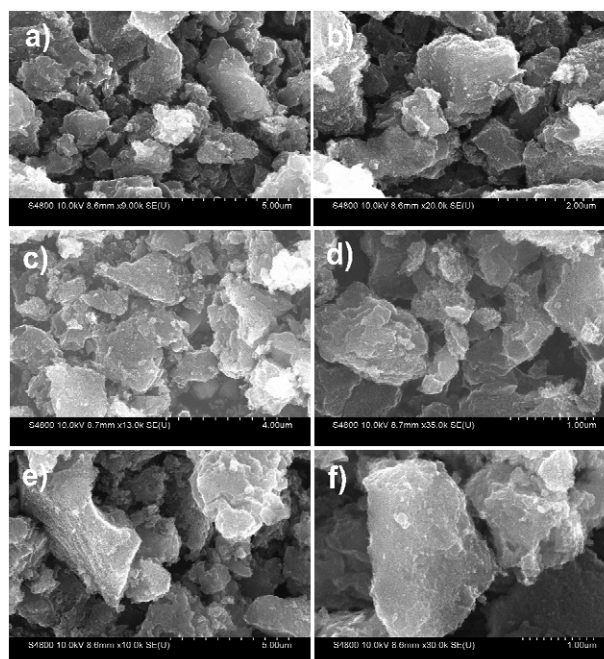


Fig. 4S HRSEM images of (a-b) MCN-6-100; (c-d) MCN-6-130 and (e-f) MCN-6-150.

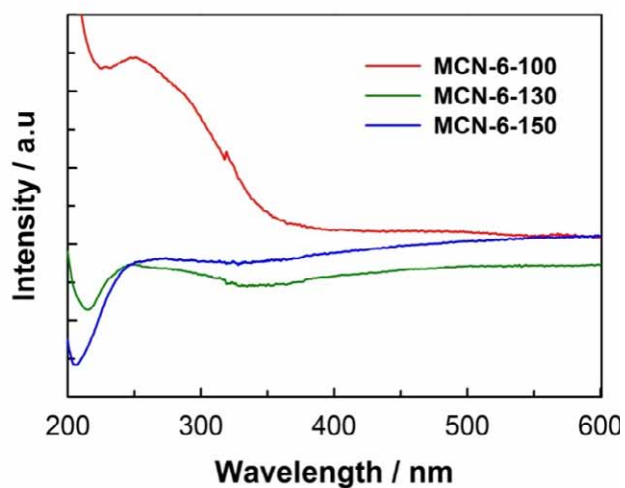


Fig. 5S UV-vis absorbance spectra of MCN-6 materials.

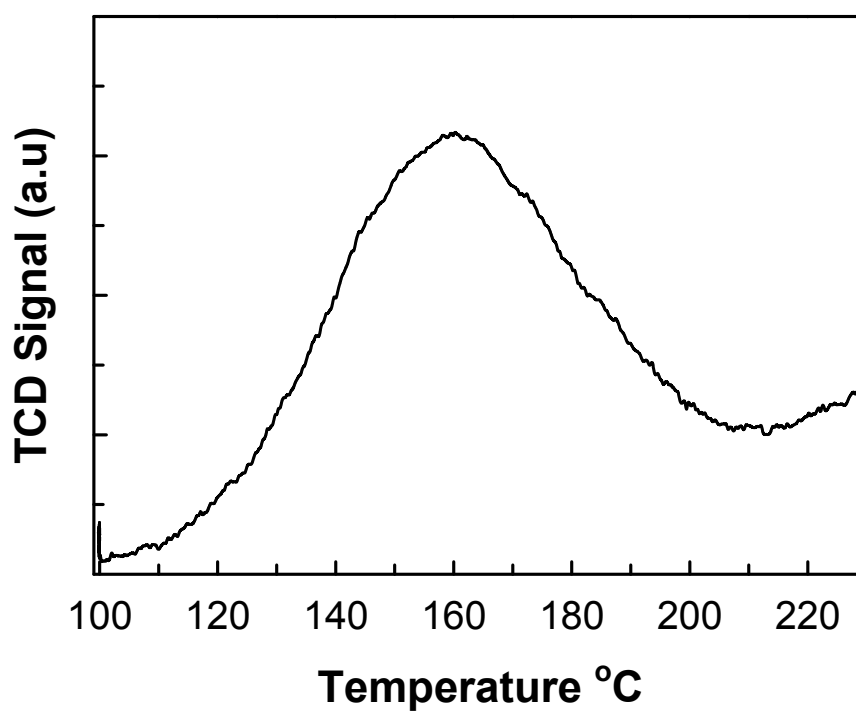


Fig. 6S CO₂ TPD data of MCN-6-100 prepared after NaOH treatment (0.13 mmol of CO₂/g at 177.2°C).