

SUPPLEMENTARY INFORMATION TO THE MANUSCRIPT

THE EFFECT OF ZEOLITE LAMELLAR MORPHOLOGY AND ACIDITY ON TOLUENE DISPROPORTIONATION AND ALKYLATION

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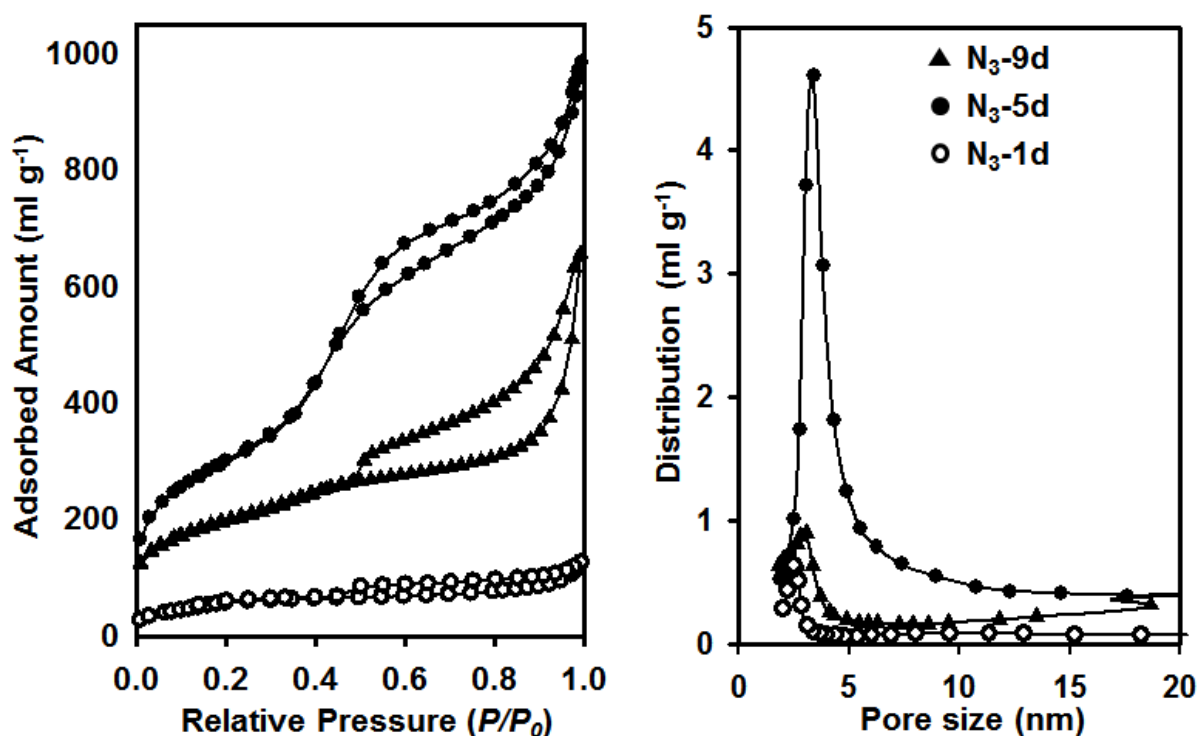


Figure SI-1 (a) N₂ adsorption isotherm and (b) BJH mesopore size distribution of the N₃-1d (white circle), N₃-5d (black circle) and N₃-9d (triangle)

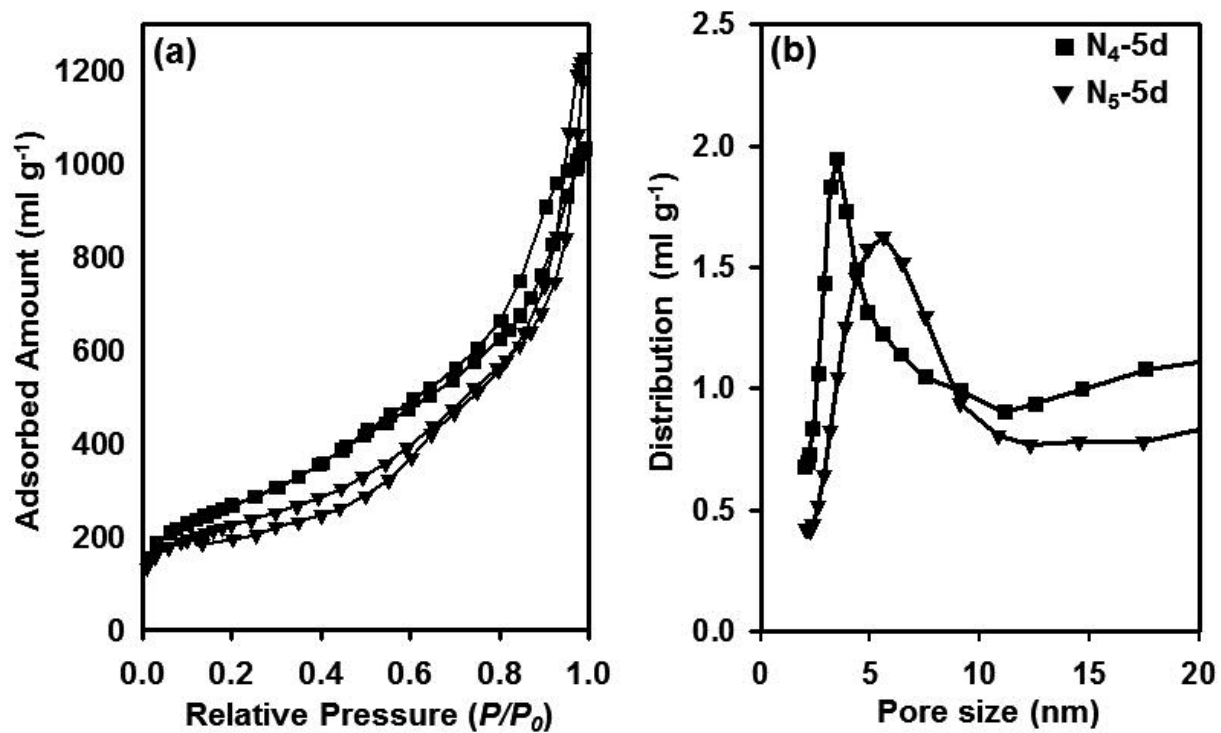


Figure SI-2 (a) N_2 adsorption isotherm and (b) BJH mesopore size distribution of the N_4 -5d (square) and N_5 -5d (inverted triangle)

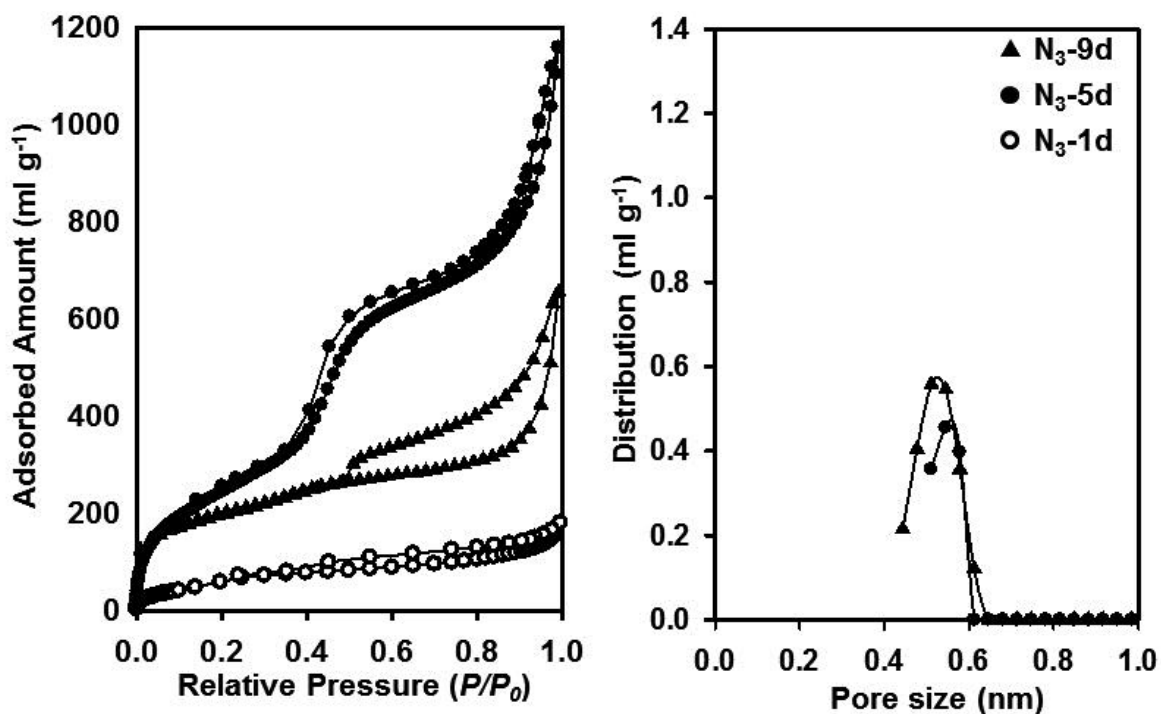


Figure SI-3 (a) Ar adsorption isotherm and (b) NLDFT micropore size distribution of the N₃-1d (white circle), N₃-5d (black circle) and N₃-9d (triangle).

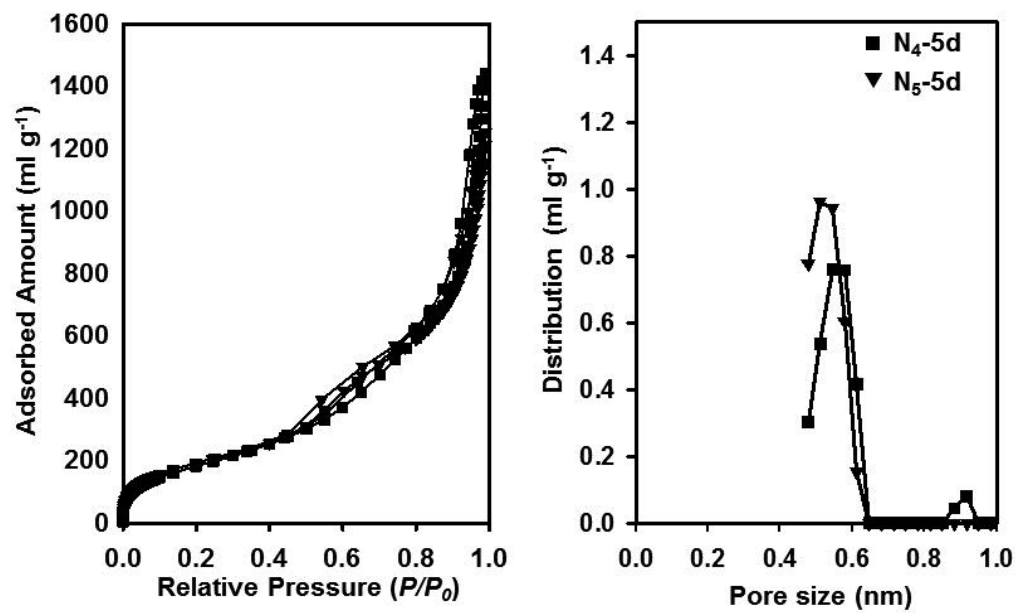


Figure SI-4 (a) Ar adsorption isotherm and (b) NLDFT micropore size distribution of the N₄-5d (square) and N₅-5d (inverted triangle)

Figure SI-5 Low magnification TEM images for N₃-5d

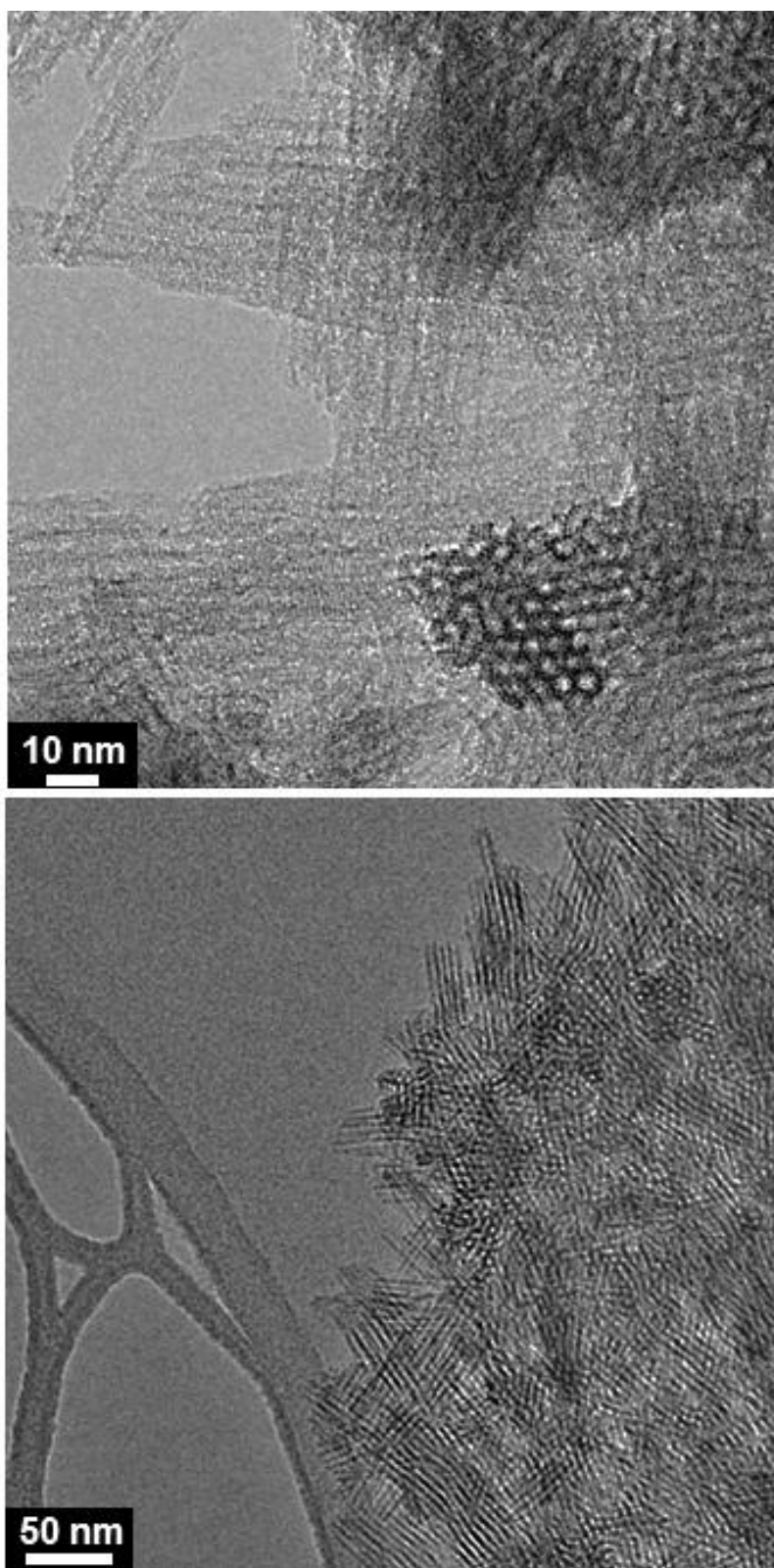


Figure SI-6 Low magnification TEM images for N₃-9d

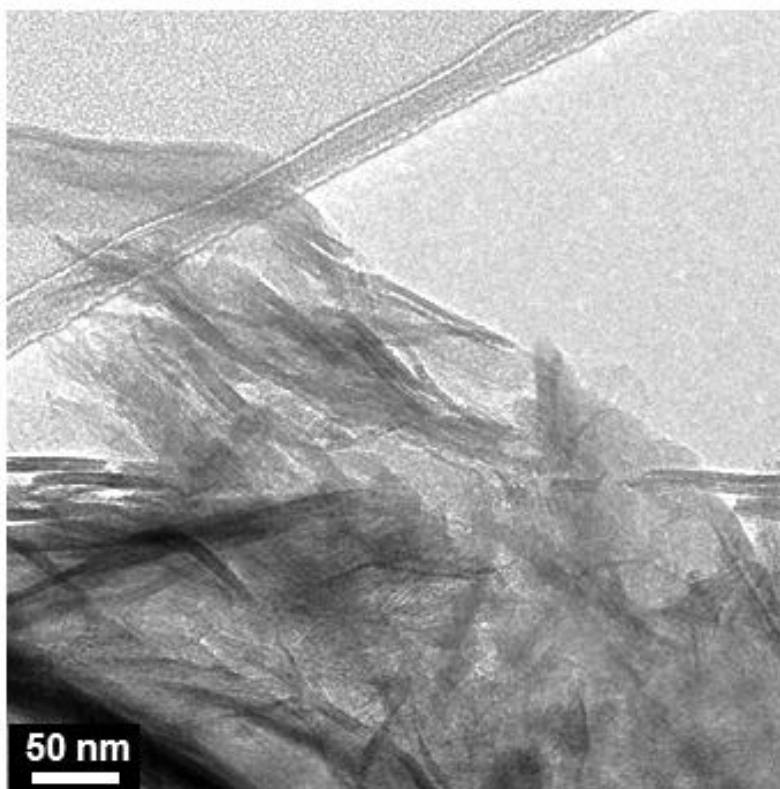
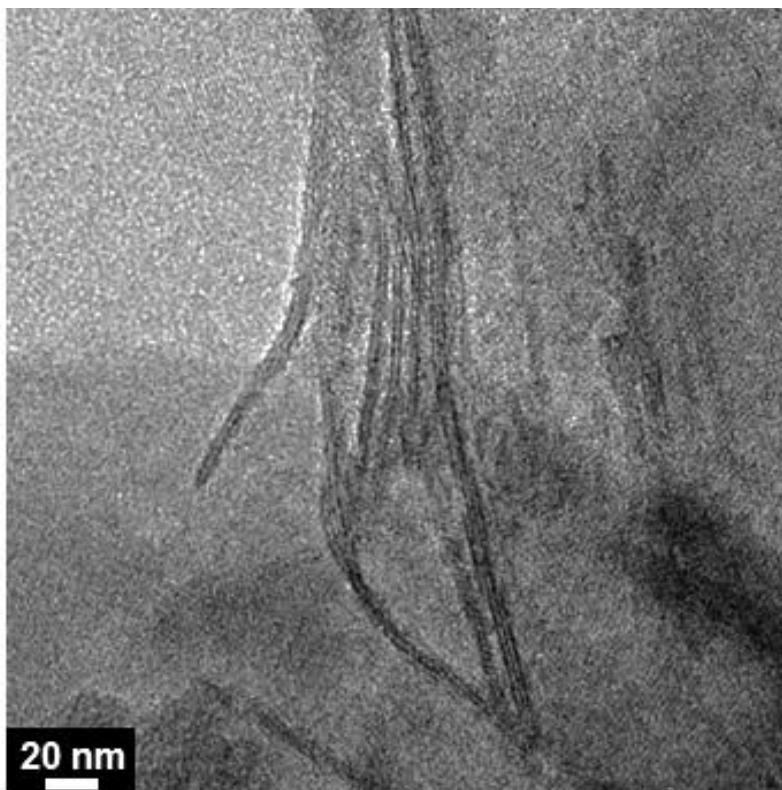


Figure SI-7 Low magnification TEM images for N₄-5d

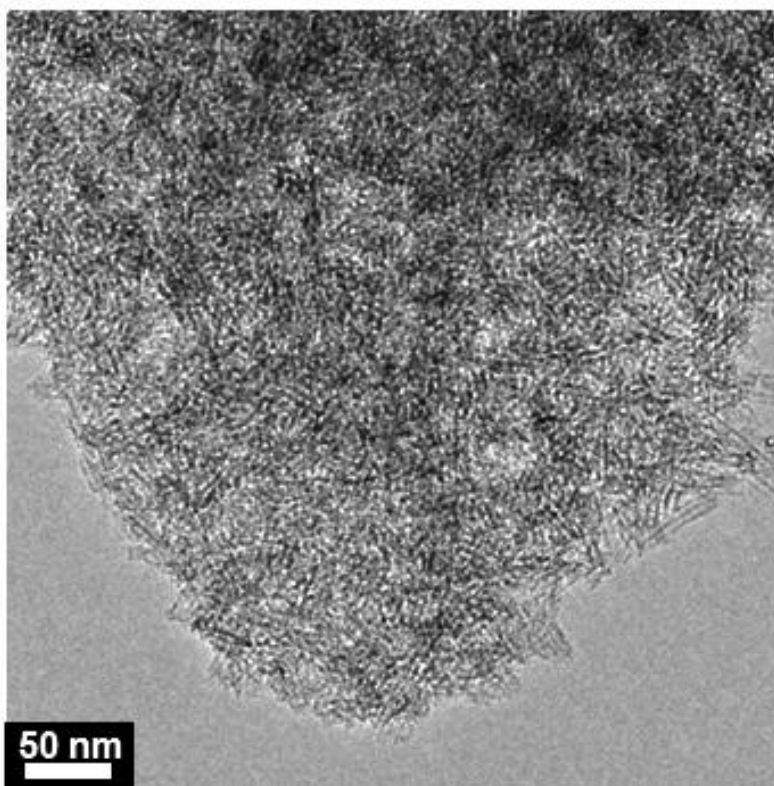
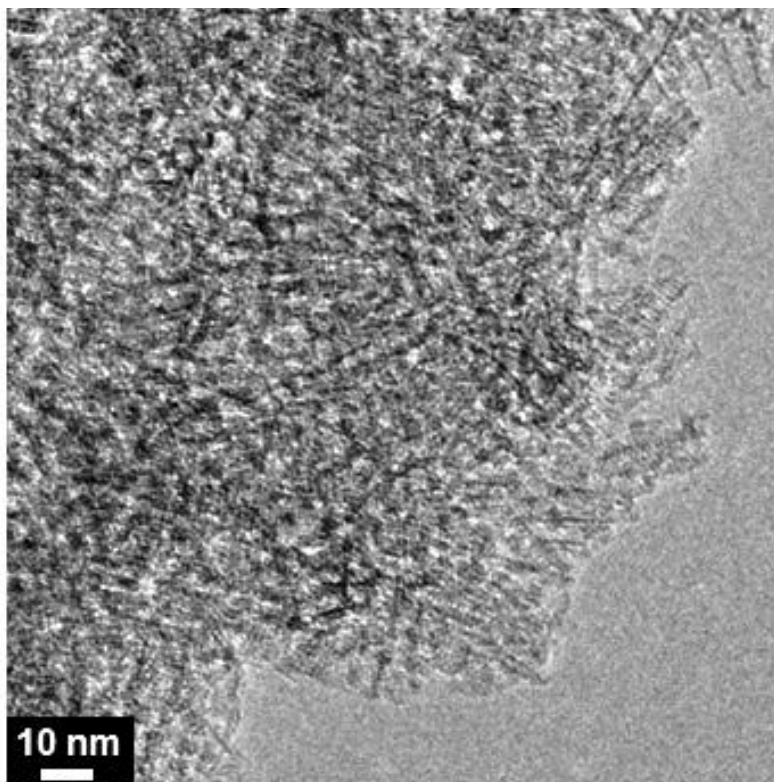
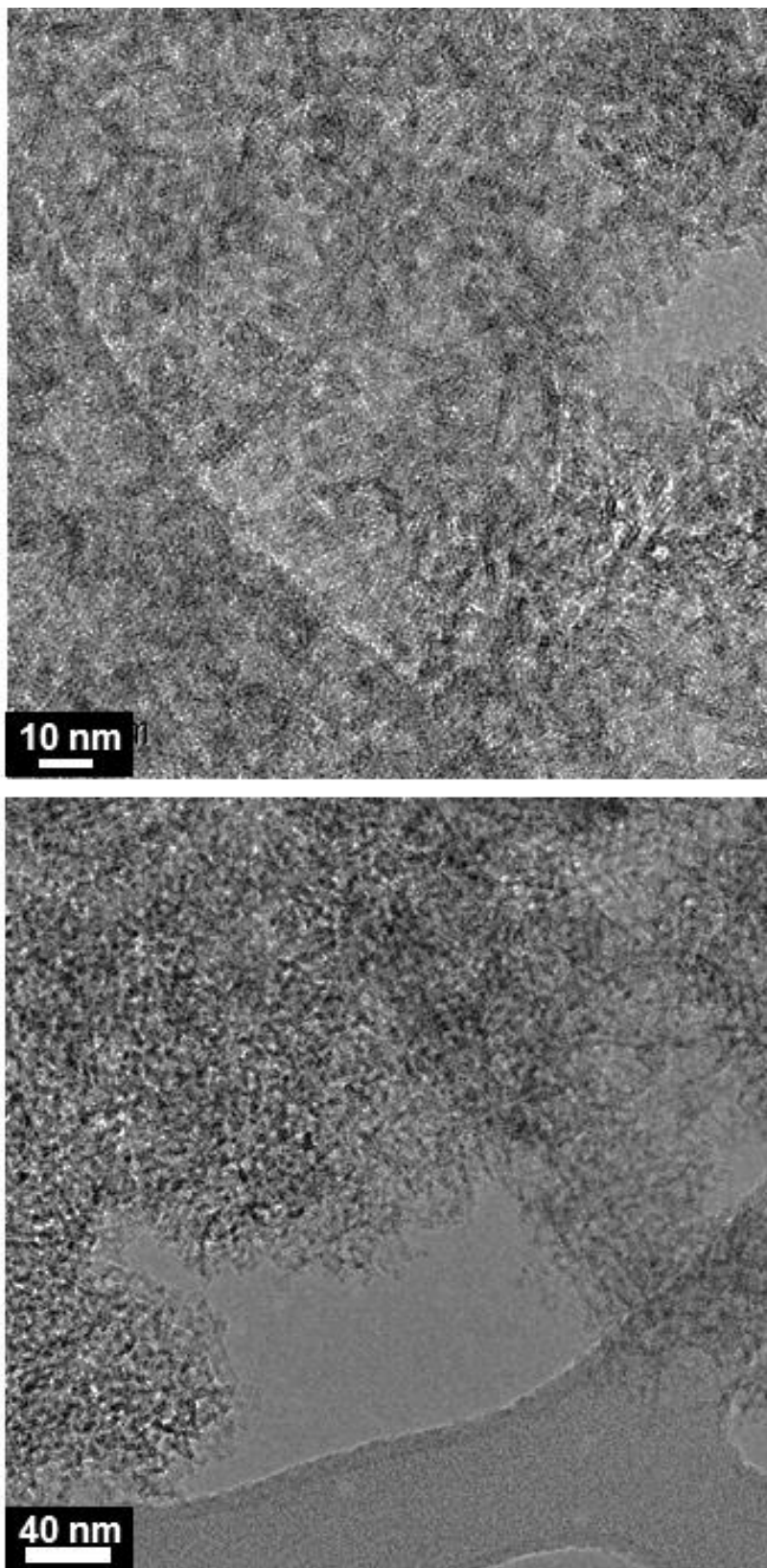


Figure SI-8 Low magnification TEM images for N₅-5d



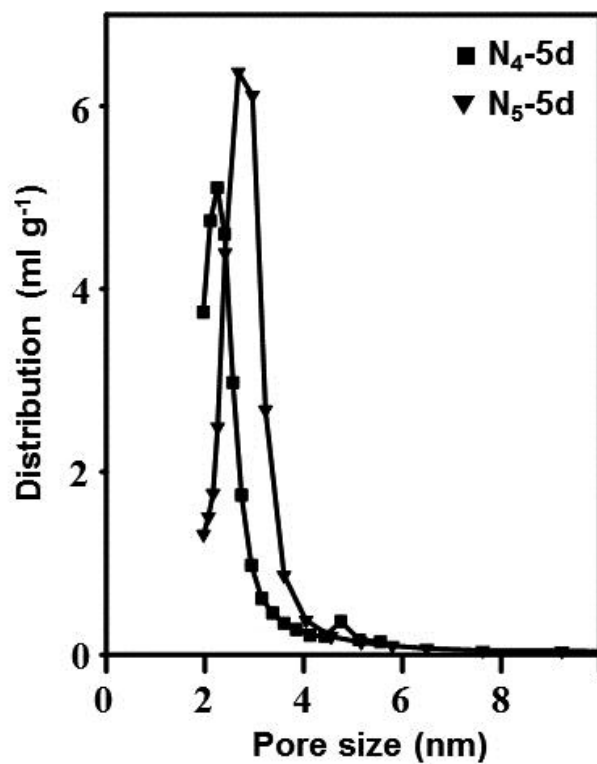


Figure SI-9 Pore size distribution of carbon replicas of the N₄-5d (square) and N₅-5d (inverted triangle).