

Supporting Information

Controllable synthesis of nitrogen-doped hollow carbon nanospheres with dopamine as precursor for CO₂ capture

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Fig. S1 TEM images of (a) $\text{SiO}_2@\text{PDA}$ of N-HCSs-0.06 and (b) SiO_2 spheres obtained by calcinate the $\text{SiO}_2@\text{PDA}$ in air.

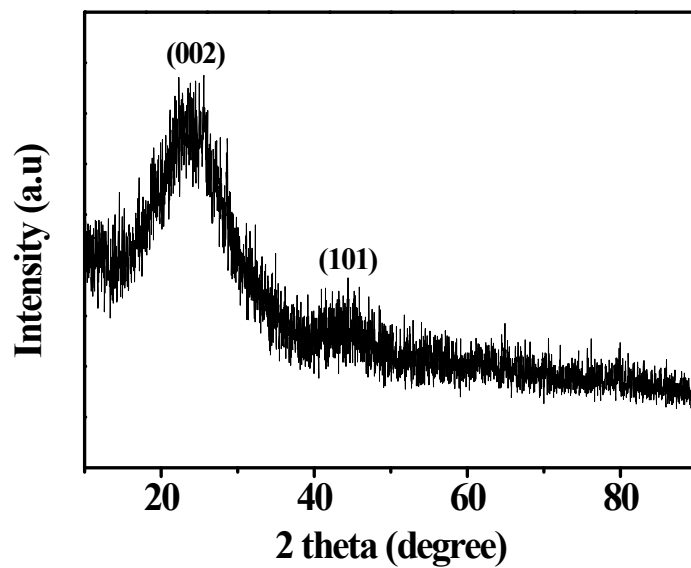


Fig. S2 Wide-angle XRD pattern of N-HCSs-0.06.

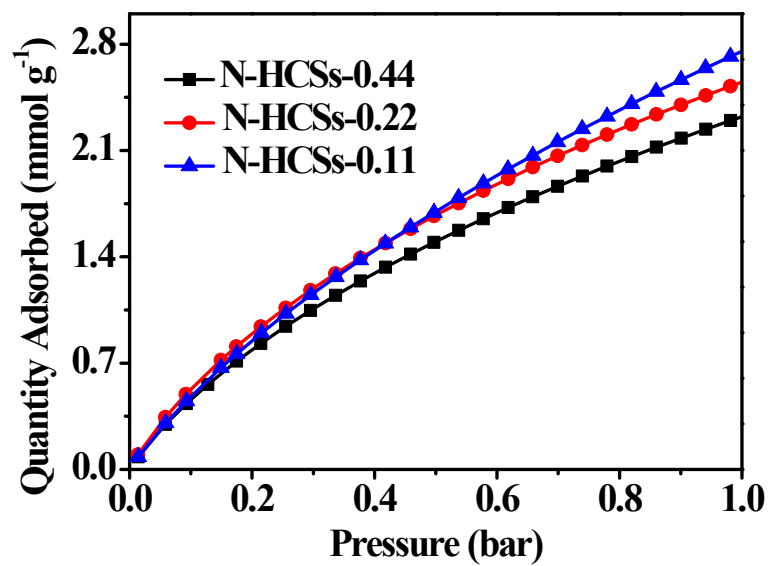


Fig. S3 CO₂ adsorption isotherms of N-HCSs with different ethanol/water volume ratios.