

Supporting Information

Functional Conjugated Microporous Polymers: From
1,3,5-Benzene to 1,3,5-Triazine

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3. BET plots of the N₂ adsorption isotherms and cumulative pore volume curves of TCMPs
4. CO₂ adsorption at 273 K and CO₂/N₂ adsorption selectivity at 298 K

1. Thermogravimetric analysis curves

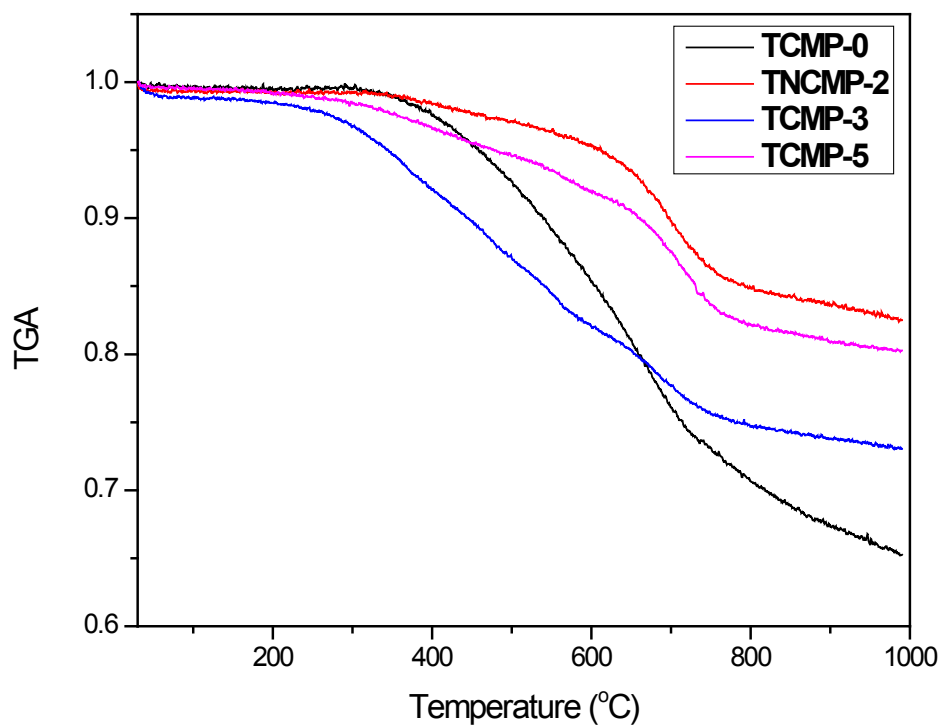


Figure S1. Thermogravimetric analysis of TCMP networks. The heating rate was 20 °C/min under nitrogen.

2. Power XRD analysis

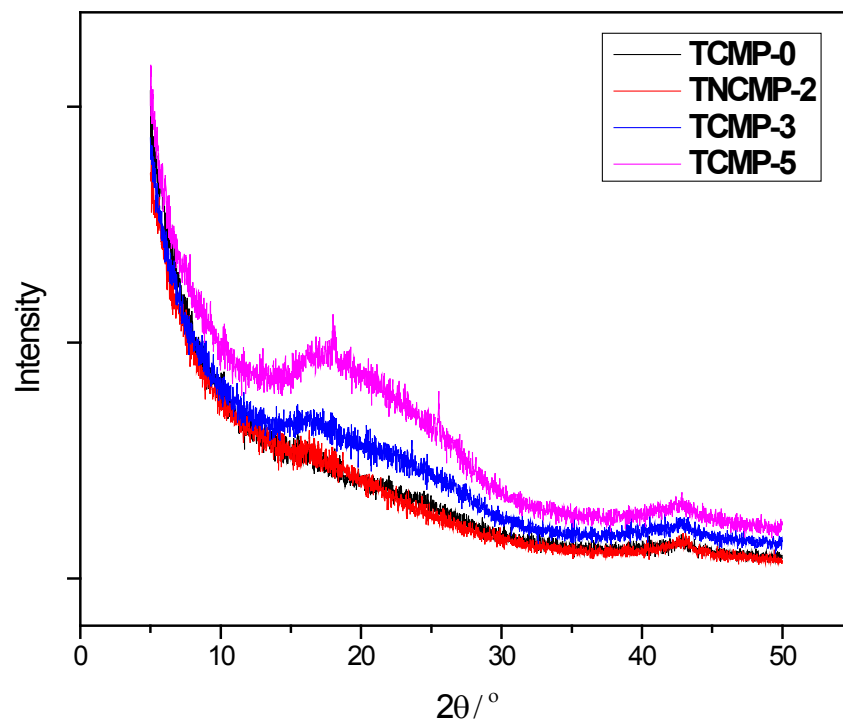


Figure S2. Powder XRD patterns of TCMP networks.

3. BET plots of the N₂ adsorption isotherms and cumulative pore volume curves of TCMPs

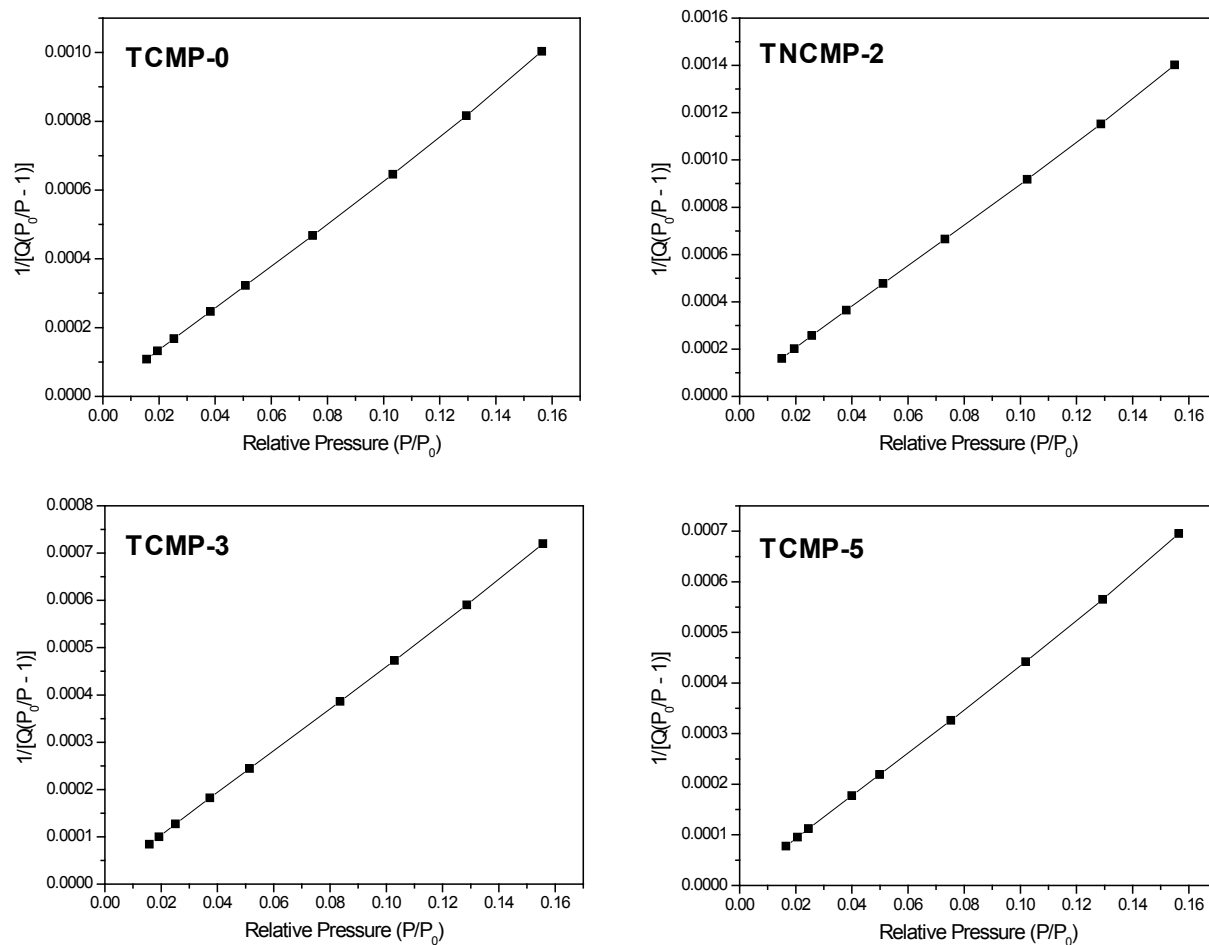


Figure S3. BET plots of the N₂ adsorption isotherms of TCMP networks.

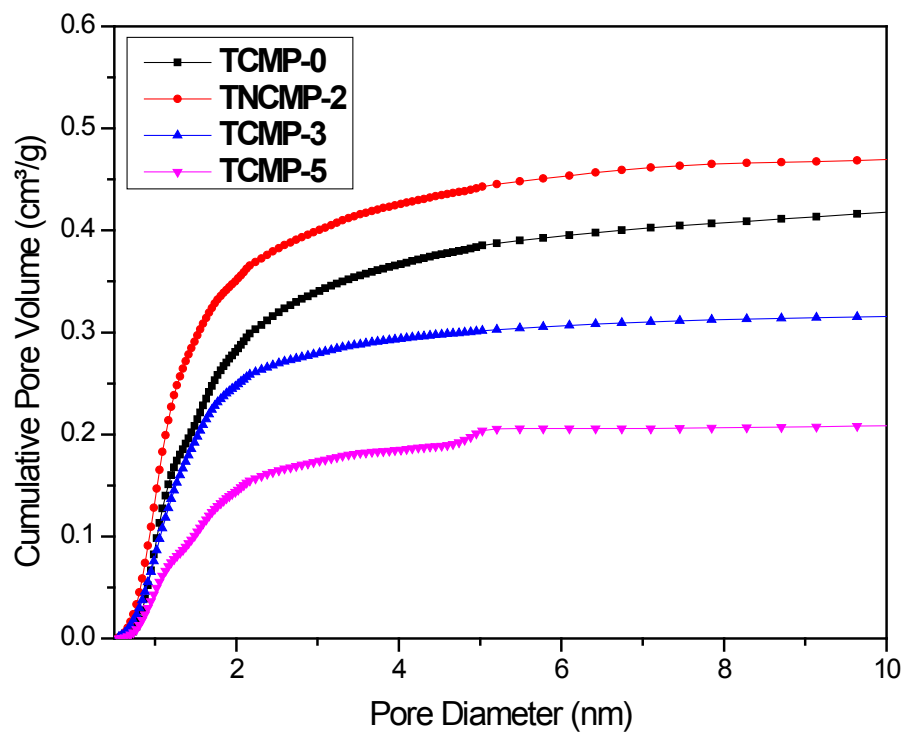


Figure S4. Cumulative pore volume curves of TCMP networks calculated by NL-DFT theory.

4. CO₂ adsorption at 1 bar at 273 K and CO₂/N₂ adsorption selectivity at 298 K

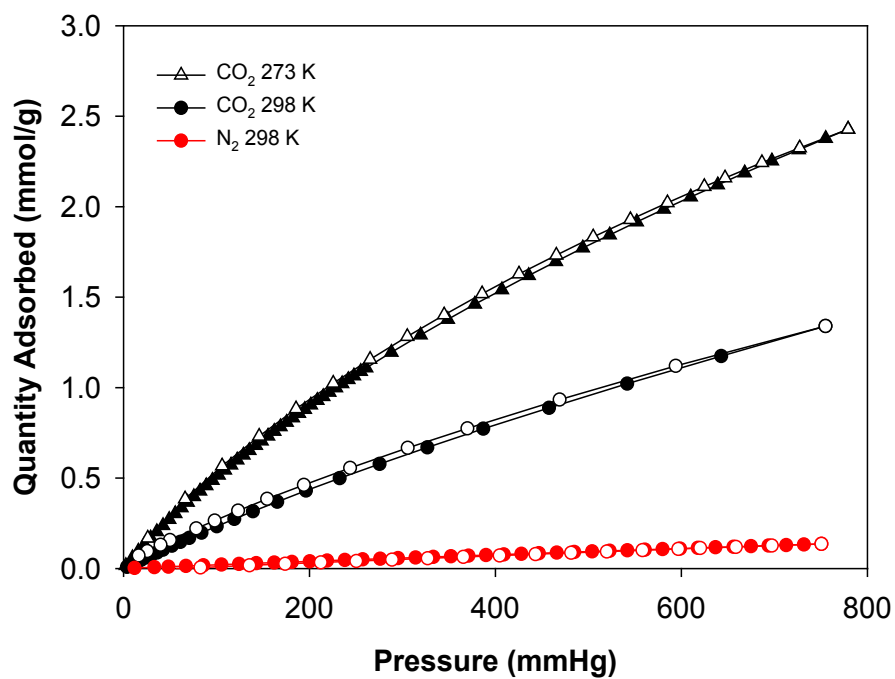


Figure S5. CO₂ sorption isotherms at 273 K and 298 K and N₂ sorption isotherms at 298 K of TCMP-0.

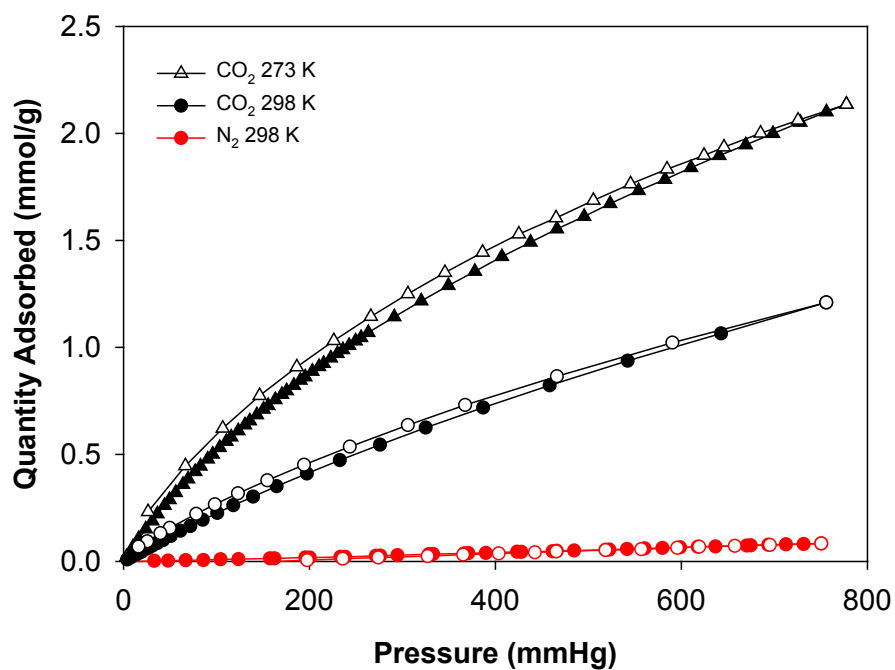


Figure S6. CO₂ sorption isotherms at 273 K and 298 K and N₂ sorption isotherms at 298 K of CMP-0.

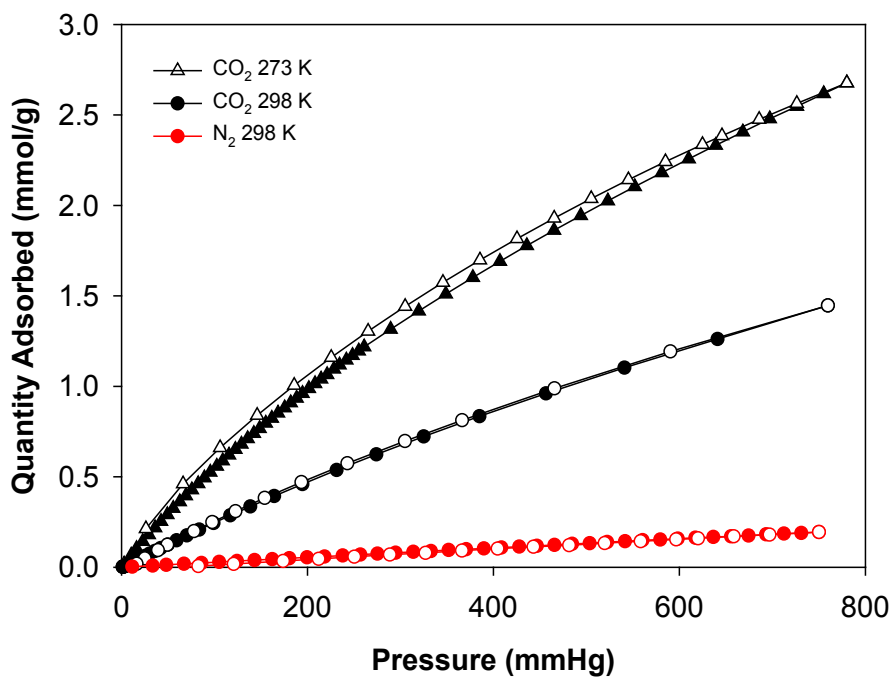


Figure S7. CO₂ sorption isotherms at 273 K and 298 K and N₂ sorption isotherms at 298 K of TNCMP-

2.

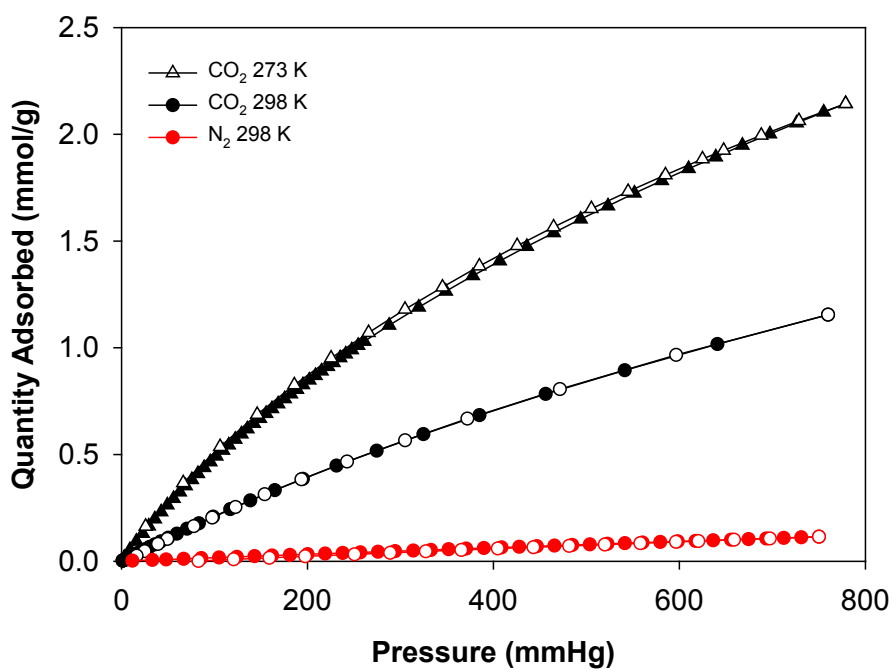


Figure S8. CO₂ sorption isotherms at 273 K and 298 K and N₂ sorption isotherms at 298 K of NCMP-2.

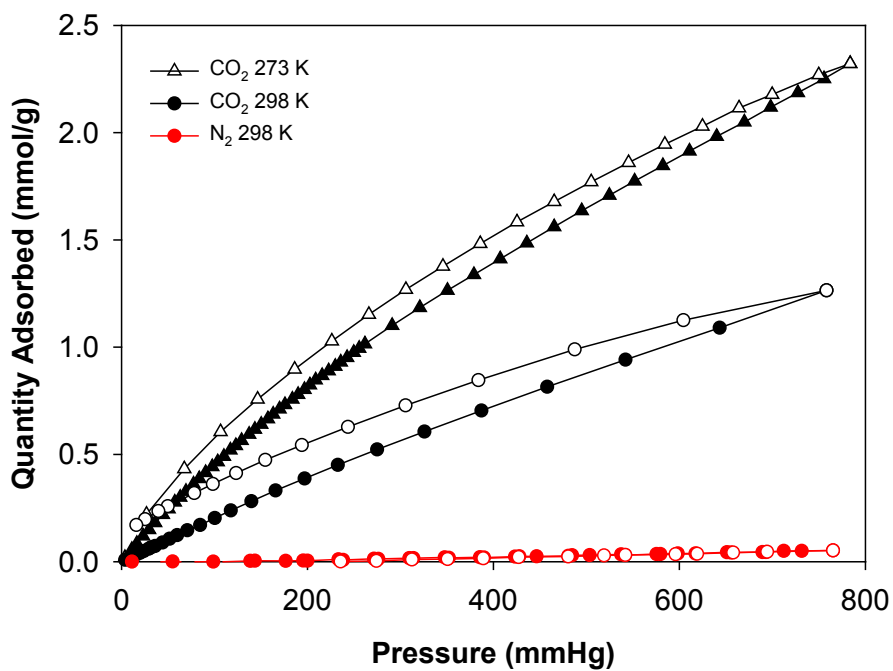


Figure S9. CO₂ sorption isotherms at 273 K and 298 K and N₂ sorption isotherms at 298 K of TCMP-3.

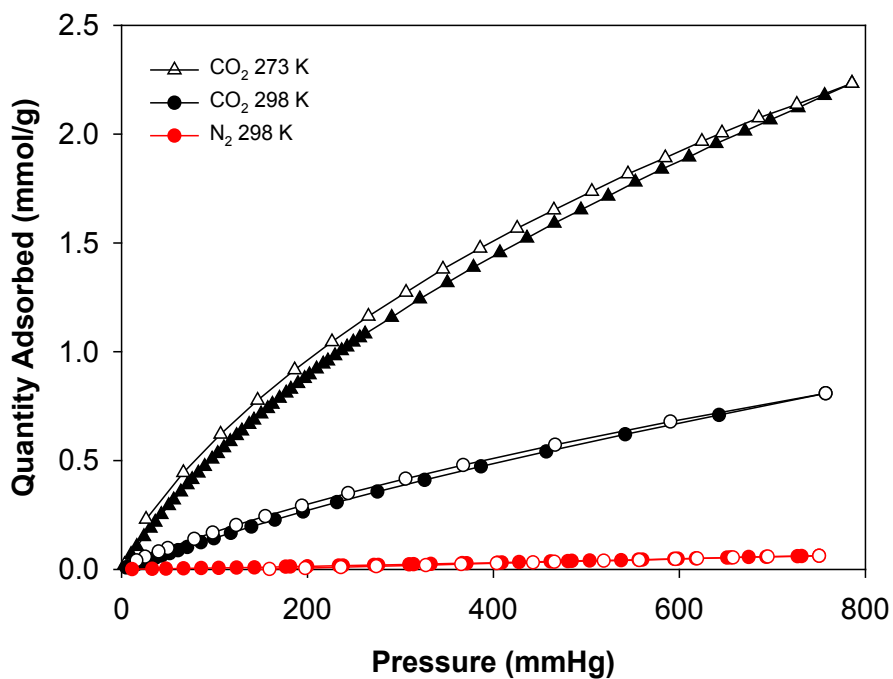


Figure S10. CO₂ sorption isotherms at 273 K and 298 K and N₂ sorption isotherms at 298 K of CMP-3.

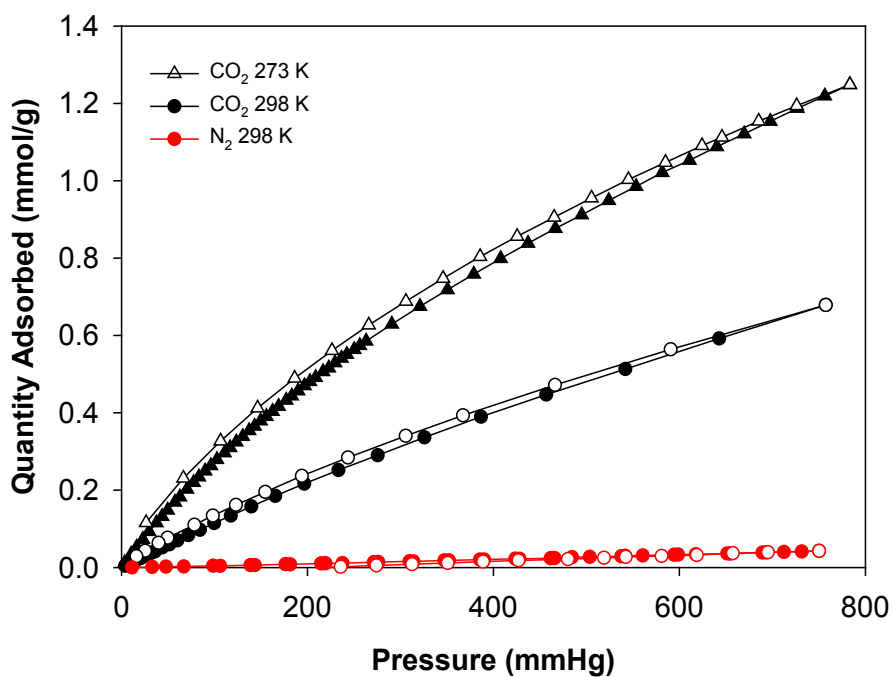


Figure S11. CO₂ sorption isotherms at 273 K and 298 K and N₂ sorption isotherms at 298 K of TCMP-5.

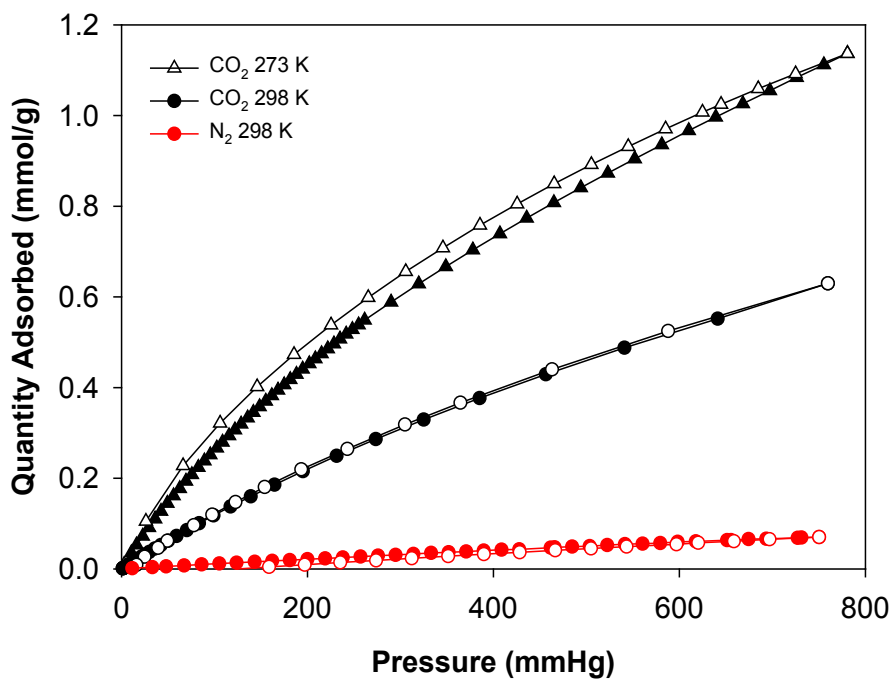


Figure S12. CO₂ sorption isotherms at 273 K and 298 K and N₂ sorption isotherms at 298 K of CMP-5.