

Efficient adsorption of 1, 4-naphthoquinone on covalent organic frameworks

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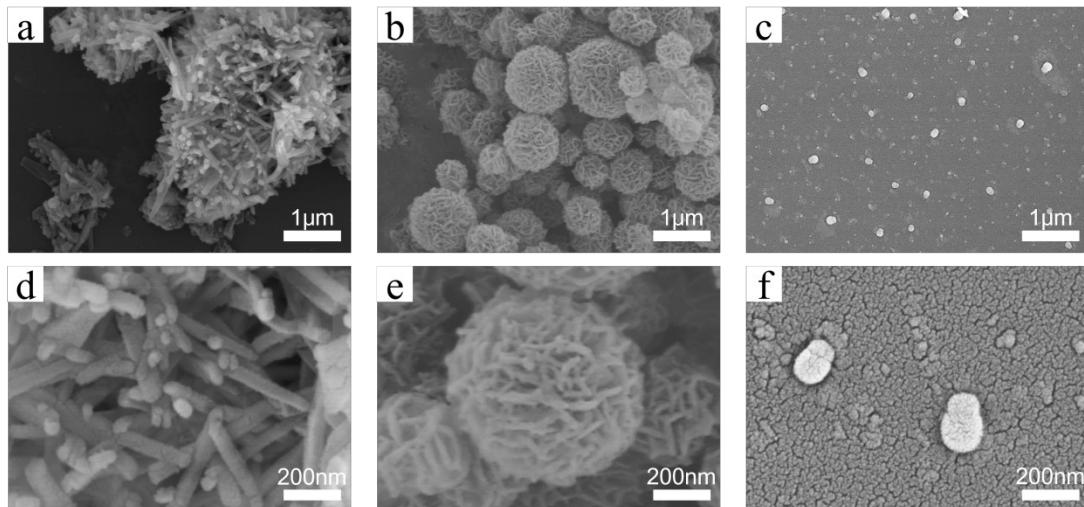


Figure S1. (a, d) FESEM images of COF_{TF-DBD}; (b, e) FESEM images of COF_{TFP-DBD}; (c, f) FESEM images of COF_{TMTF-DBD}.

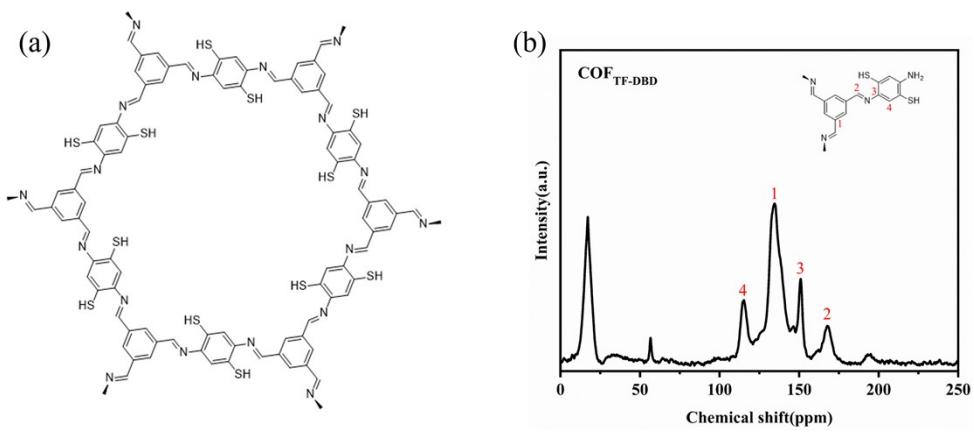


Figure S2. (a) Solid-state NMR spectrum and (b) Structural diagram of COF_{TF-DBD}.

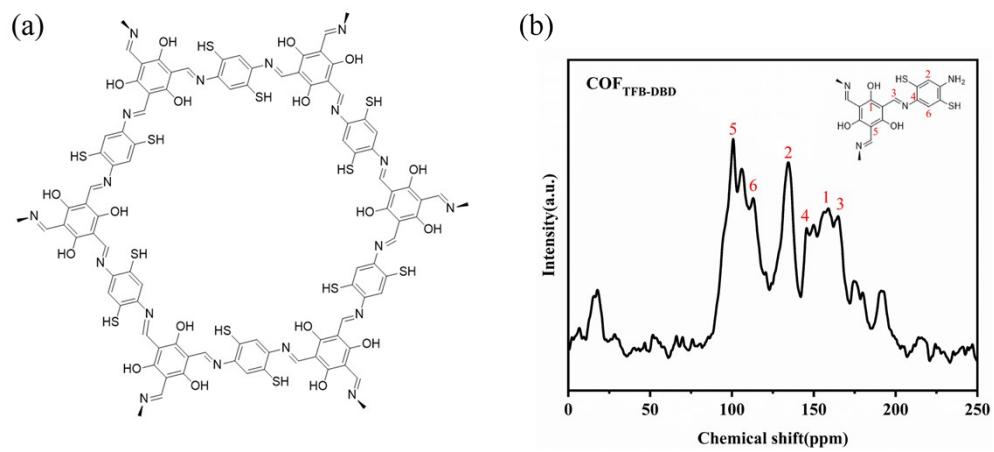


Figure S3. (a) Solid-state NMR spectrum and (b) Structural diagram of COF_{TFP-DBD}.

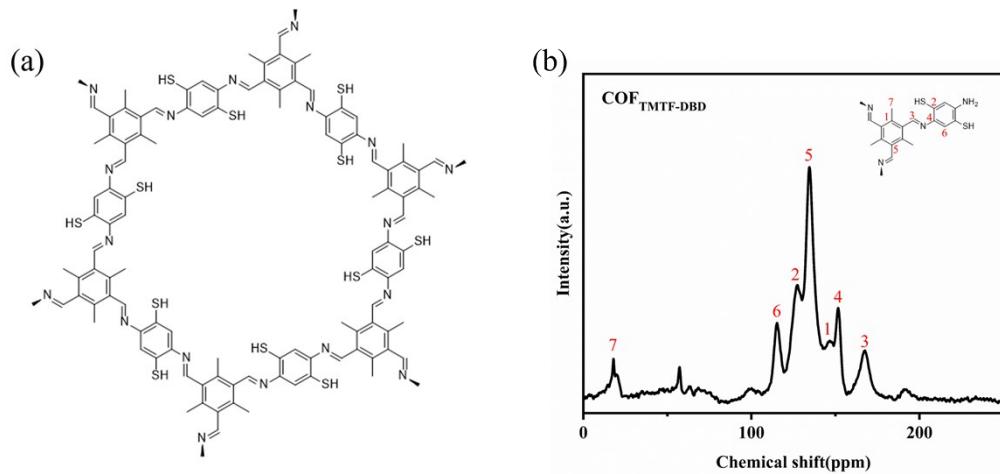


Figure S4. (a) Solid-state NMR spectrum and (b) Structural diagram of COF_{TMTF-DBD}.

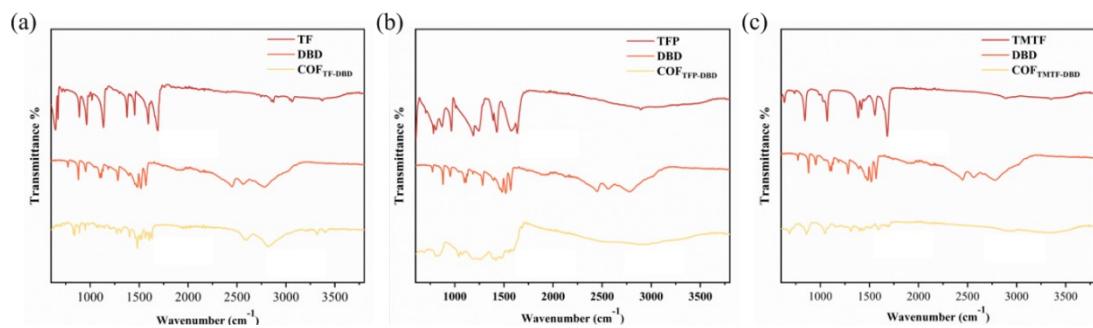


Figure S5. FTIR spectrum of COF_{TF-DBD}; (b) FTIR spectrum of COF_{TFP-DBD}; (c) FTIR spectrum of COF_{TMTF-DBD}.

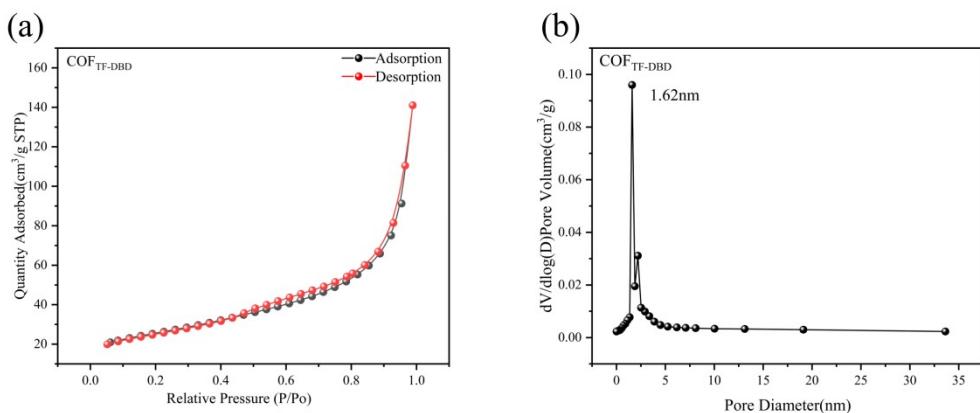


Figure S6. Adsorption-desorption isotherm and (b) Particle size distribution of $\text{COF}_{\text{TFP-DBD}}$.

DBD-

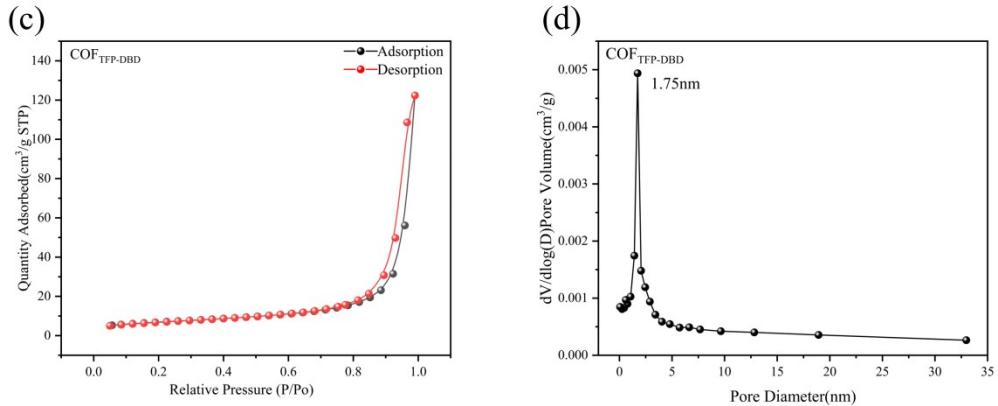


Figure S7. Adsorption-desorption isotherm and (b) Particle size distribution of $\text{COF}_{\text{TFP-DBD}}$.

DBD-

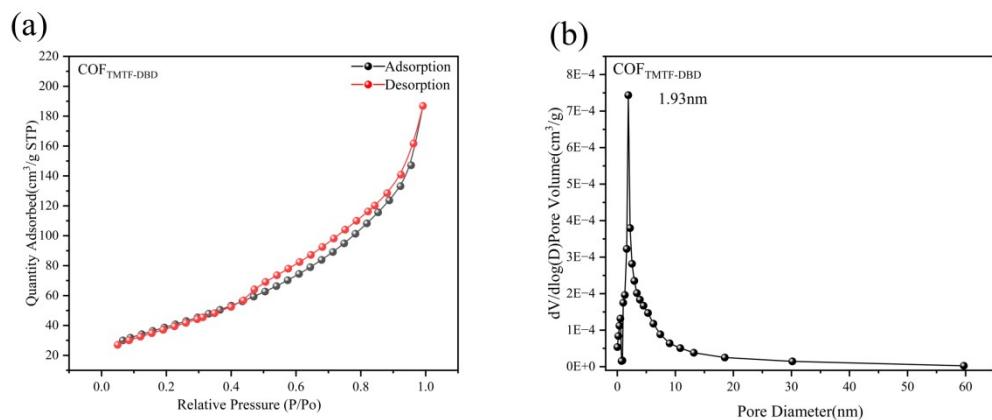


Figure S8. Adsorption-desorption isotherm and (b) Particle size distribution of

$\text{COF}_{\text{TMTF-DBD}}$.