

Supplementary Information

β -Ketoenamine Covalent Organic Frameworks – Effects of Functionalization on Pollutant Adsorption

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S1. Adsorption Experiments

Table S1. Statistical parameters for UV-Vis quantification of MB and MO adsorbates.

Adsorbate	λ_{\max} (nm)	b1	b0	R ²
MB	664	0.158 ± 0.003	0.01 ± 0.01	0.9983
MO	463	0.0770 ± 0.0001	-0.0080 ± 0.0006	0.9999
Cu(II)	325	0.0200 ± 0.0002	0.014 ± 0.007	0.9991
Ni(II)	232	0.0071 ± 0.0005	0.09 ± 0.03	0.9741
Pb(II)	217	0.0049 ± 0.0002	0.03 ± 0.02	0.9897
Cd(II)	228	0.028 ± 0.002	0.050 ± 0.03	0.9706

S1. Characterization

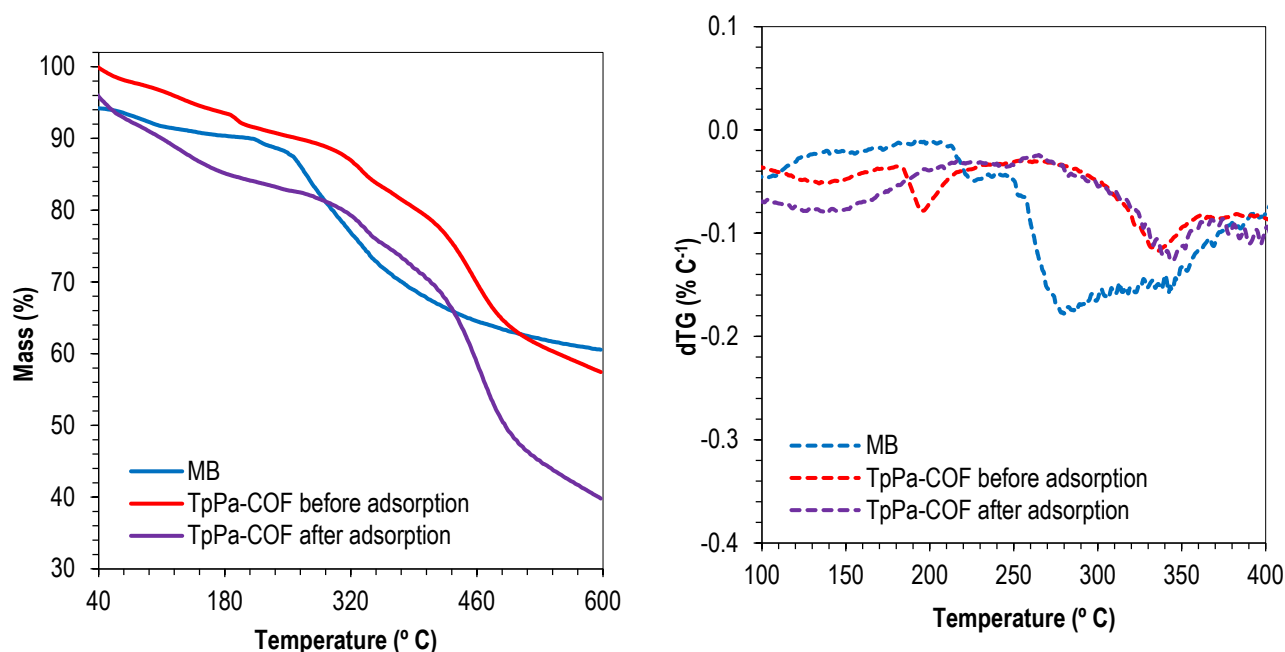


Figure S1. Thermograms (solid) and dTG (dashed) of MB (blue) and TpPa-COF before (red) and after (purple) MB adsorption.

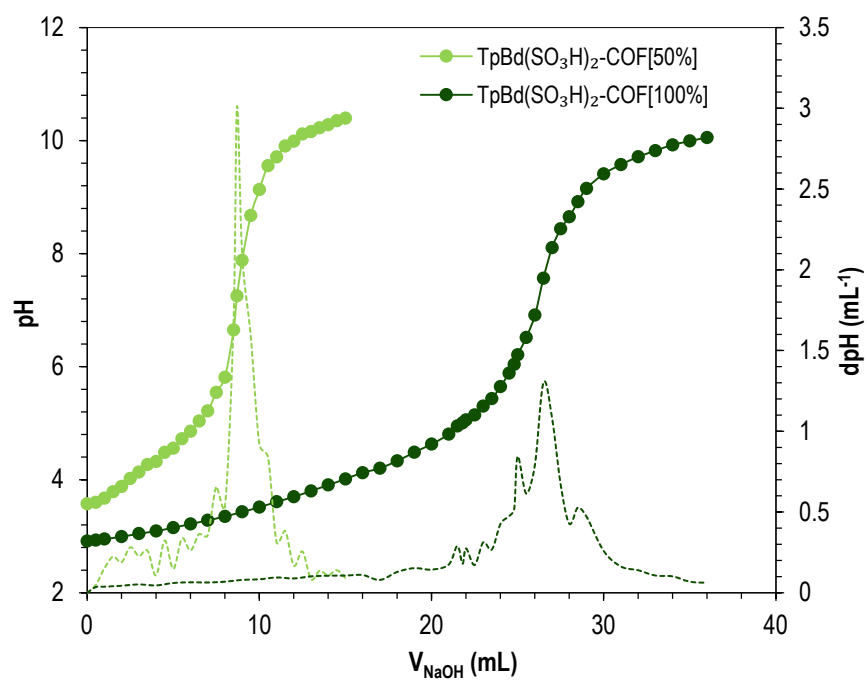


Figure S2. pH (solid) and dpH (dashed) during the titration of $\text{TpBd}(\text{SO}_3\text{H})_2\text{-COF}[50\%]$ (light green) and $\text{TpBd}(\text{SO}_3\text{H})_2\text{-COF}[100\%]$ (dark green).