

Supporting Information

Fixation of CO₂ by Epoxides over Nickel-Pyrazolate Based Metal-Organic Frameworks

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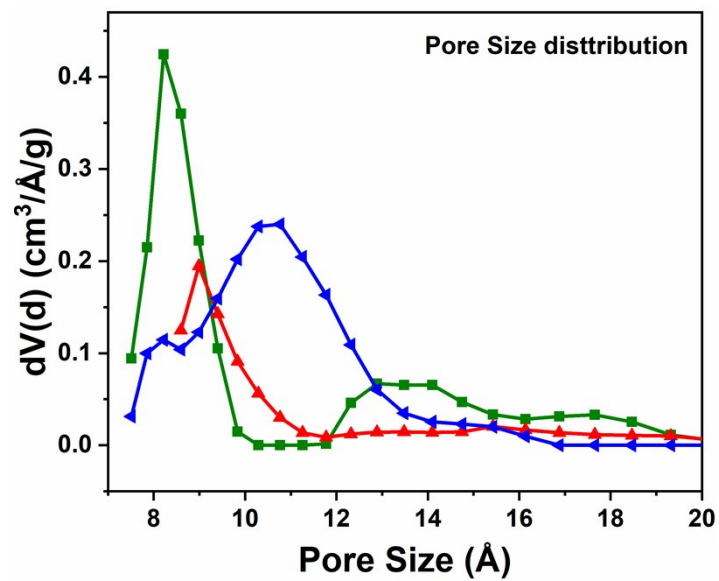


Figure S1. The pore size distribution of Nibdp (green), Nibdp-NO₂ (red) and Ni₃btp₂ (blue).

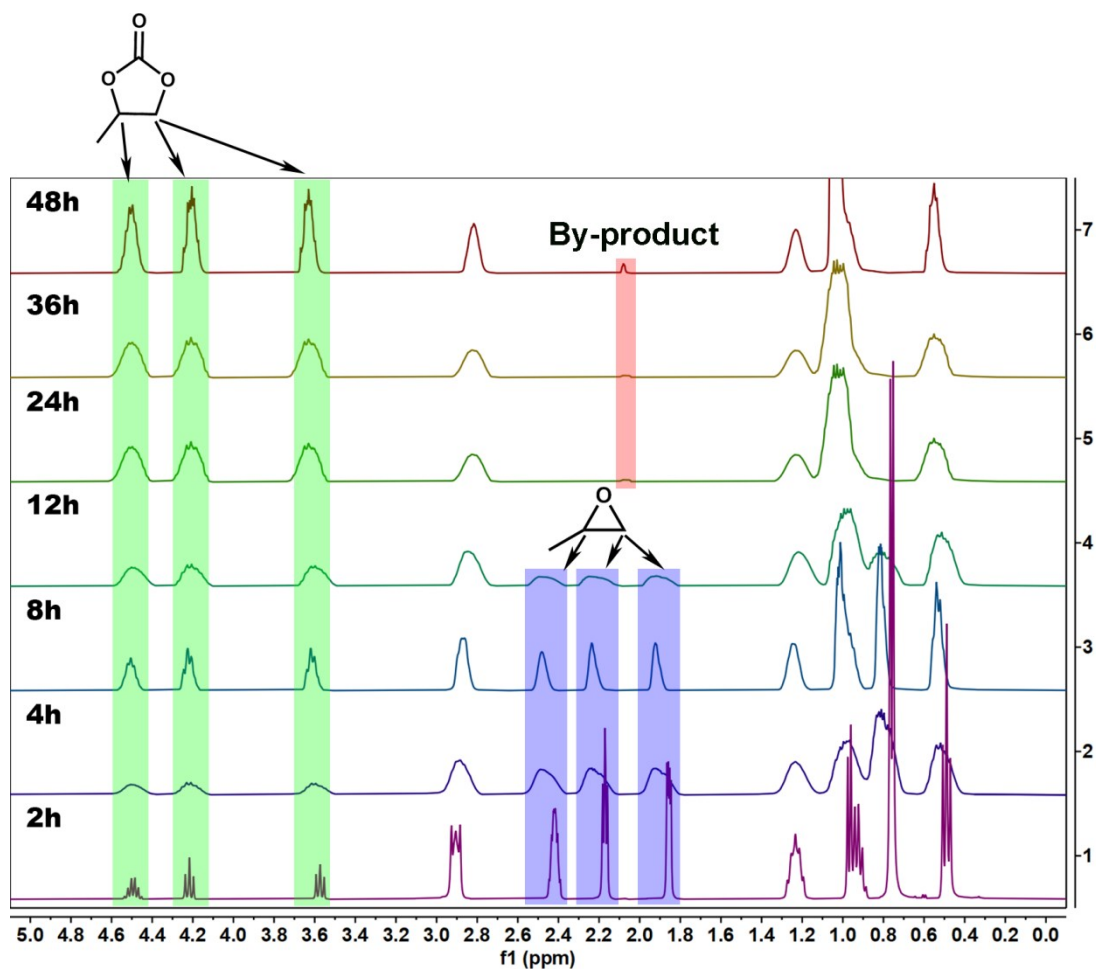


Figure S2. Conversion of propylene carbonate (PC) over Nibdp is followed using ^1H NMR spectroscopy and the signals which are assigned to PC, PO and by-product are highlighted in green, blue bars and red, respectively. Signals are slightly shifted due to the presence of tetra-*n*-butylammonium bromide (TBAB). Note that, there is an additional peak appeared when the reaction processed more than 24 hours, which should be from side reaction. Reaction condition: (a) 1.05 ml PO, 5 bar CO_2 , 0.405 g TBAB and 80°C and 20 mg Nibdp.

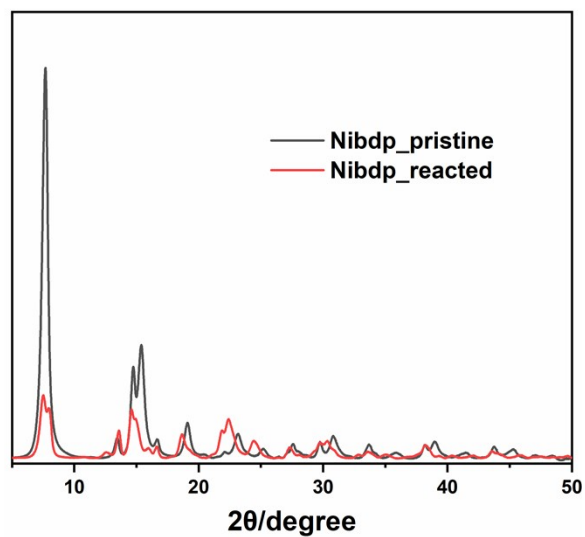


Figure S3. The comparative XRD patterns of pristine (black) and reused (red) Nibdp.