Cr-MOF synthesis procedure

1.66 gm terephthalic acid 2.66 chromium gm in 45 ml deionized water chloride hexahydrate in 55 ml deionized water at RT and ultrasonication at RT 250 ml Teflon-lined high pressure autoclave reactor Formic acid (30.2 mL, **Precipited Cr-MOF** (Cool to room temperature) Washing (Hot *DMF* at 80°C for 3 hrs Washing (Hot ethanol at 60°C for 24 hrs **Drying** (Overnight at 90°C)

Ref:

Lerato Y. Molefe et al. "Synthesis of porous polymer-based metal—organic frameworks monolithic hybrid composite for hydrogen storage application", *J Mater Sci*, 2019, https://doi.org/10.1007/s10853-019-03367-1.