

Supporting Information

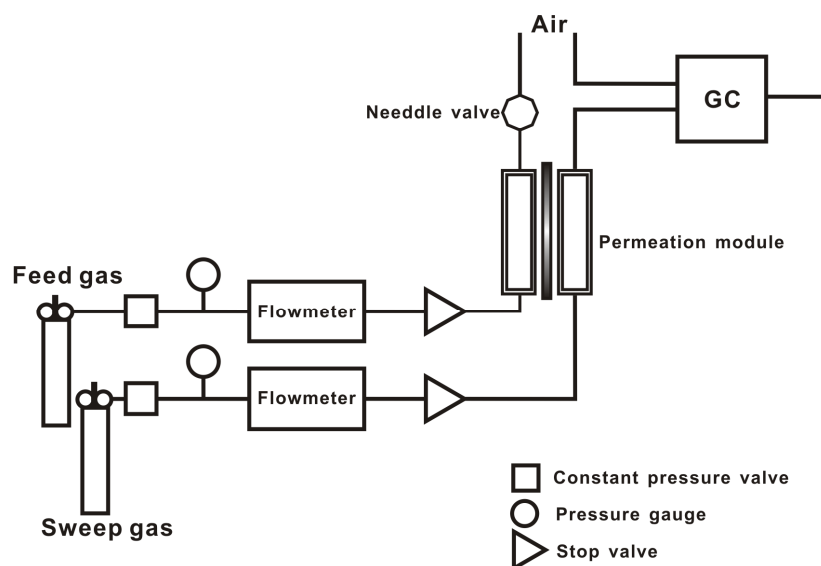


Figure S1. Illustration of the measurement equipment for gas separation

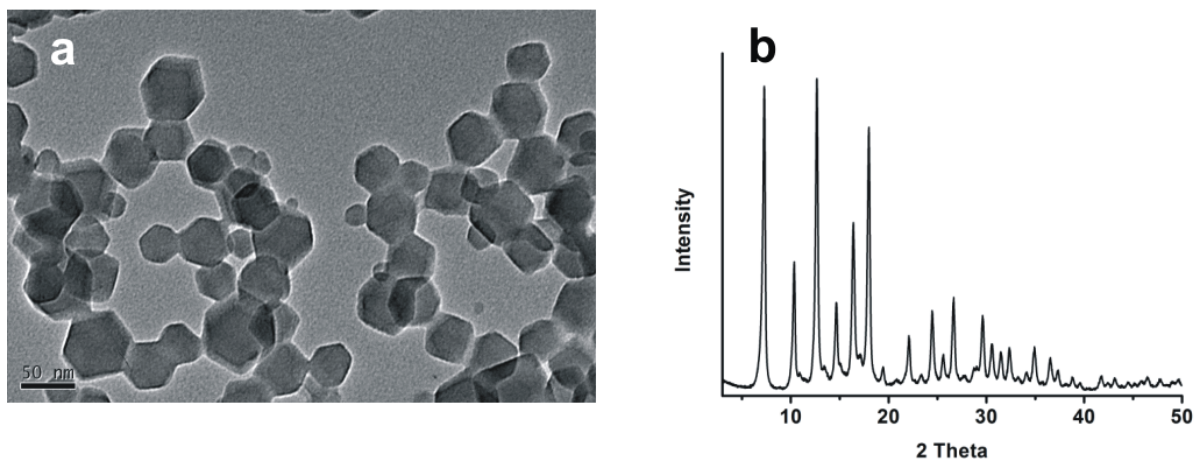


Figure S2. TEM image (a) and XRD pattern (b) of the ZIF-8 nanocrystals

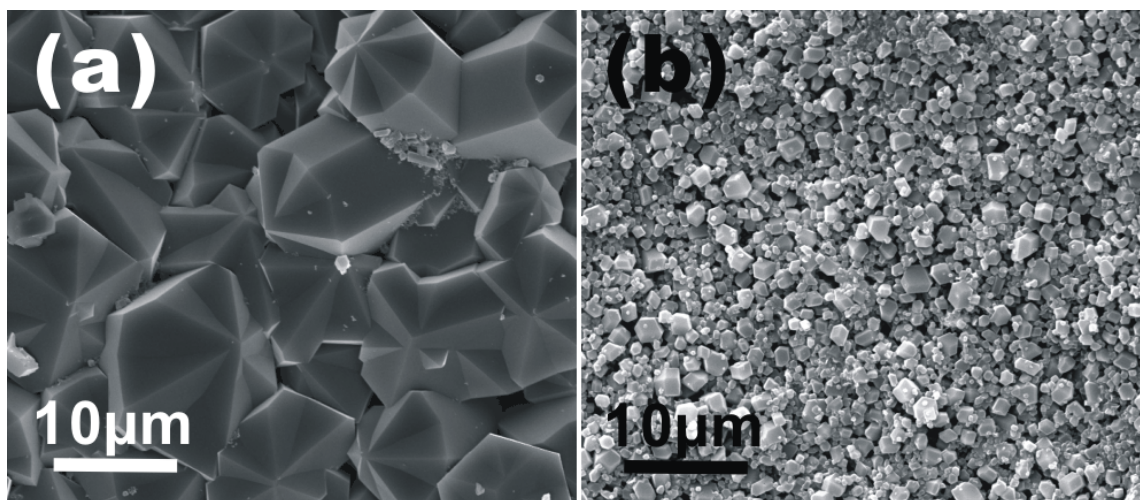


Figure S3. SEM images of the ZIF-8 membrane prepared by using sodium formate in growth solution (a) and without the addition of sodium formate in growth solution (b).

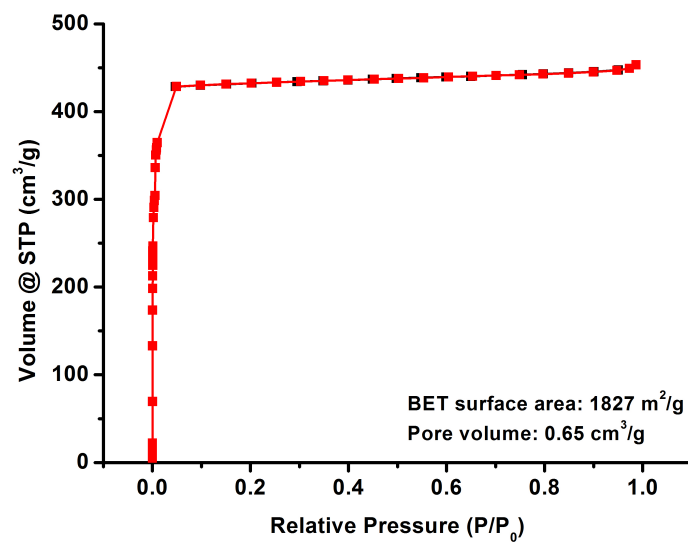


Figure S4. N₂ adsorption-desorption isotherm of the ZIF-8 microcrystals

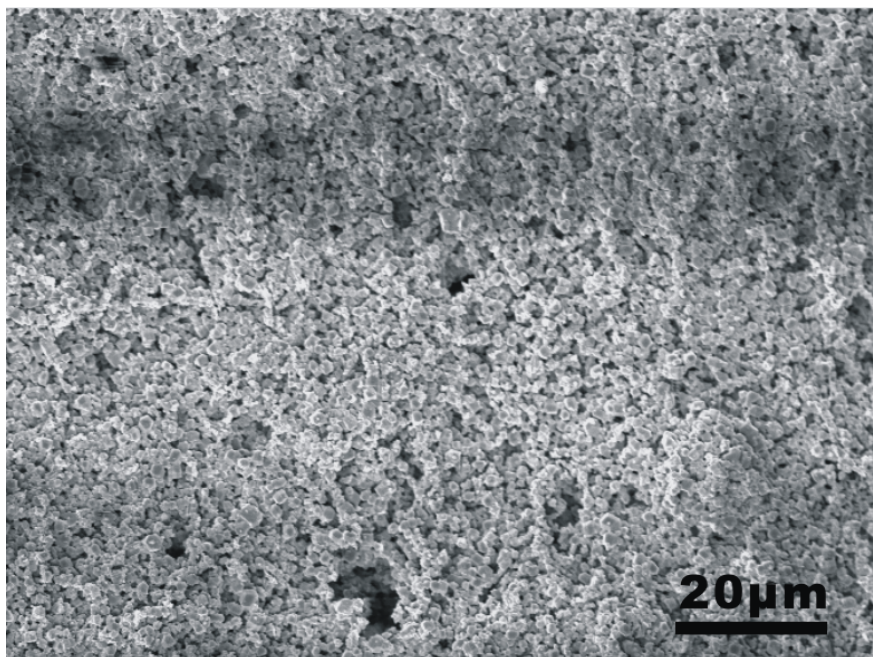


Figure S5. SEM image of the synthesized ZIF-8 membranes after removal of the polymer fibers by THF