Electronic Supplementary Material (ESI) for RSC Advances

Supporting information

Insight into the crystal synthesis, activation and application of ZIF-20

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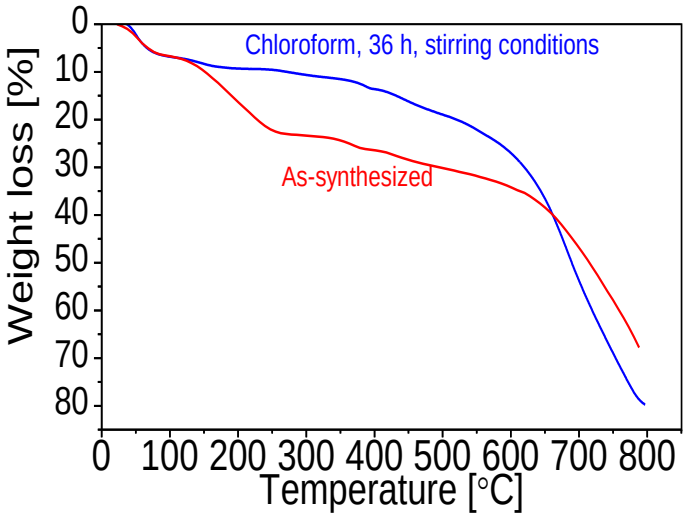

Figure S1. TGA of as-synthesized ZIF-20 and chloroform-exchanged ZIF-20 for 36 h.

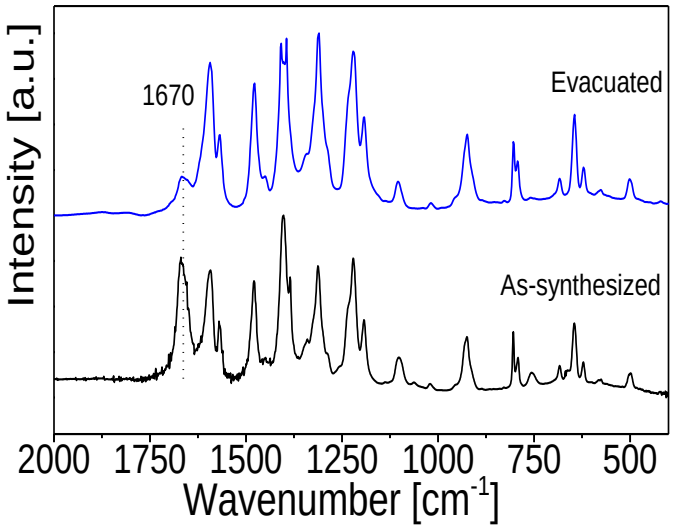

Figure S2. FTIR spectra of as-synthesized and evacuated ZIF-20 samples. The 1670 cm^{-1} band, attributed to the C=O stretching, clearly decreases its intensity in the evacuated sample, in agreement with the TGA results.

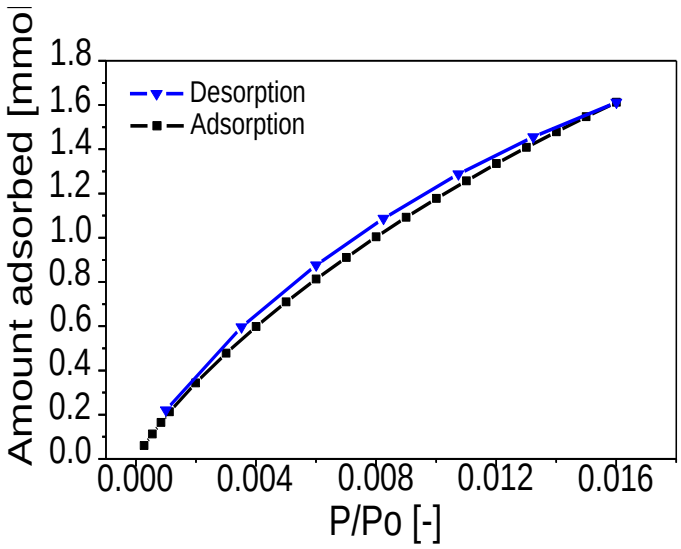

Figure S3. CO_2 adsorption isotherm of ZIF-20 at 25 ºC.