

Supporting information

Reactive gas atmospheres as a tool for the synthesis of MOFs: the creation of a metal hybrid fumarate with a controlled Fe/Al composition profile

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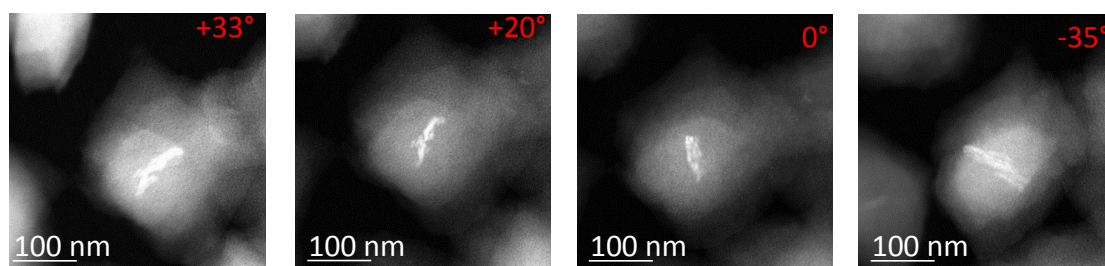


Figure S1. STEM-HAADF images of Al-Fe MOF NPs taken on the same particle after tilting the STEM holder from -35° to 35° (run **3.3**).

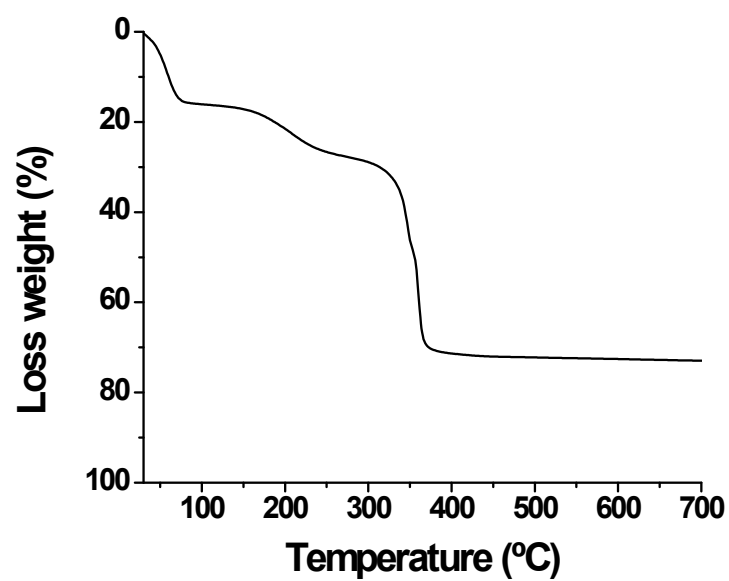


Figure S2. TGA (in air) curve of the as-made core-shell particles (run **3.3**).

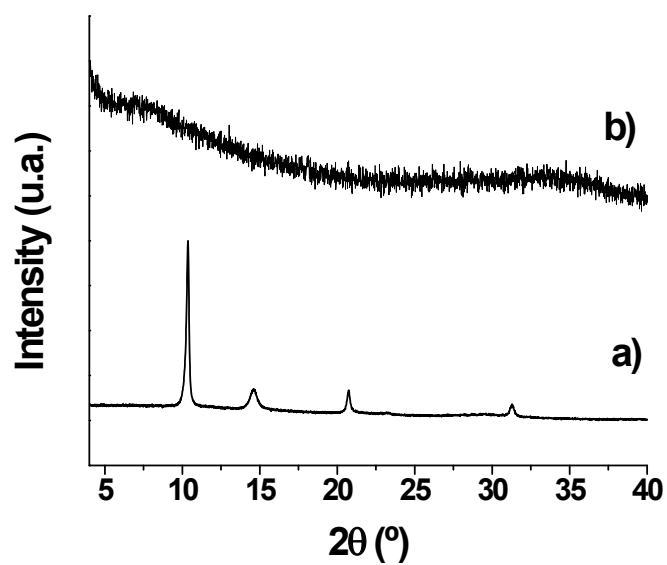


Figure S3. Compared diffraction patterns of the sample (**3.3**) before (a) and after (b) calcination at 400°C for 1 h.

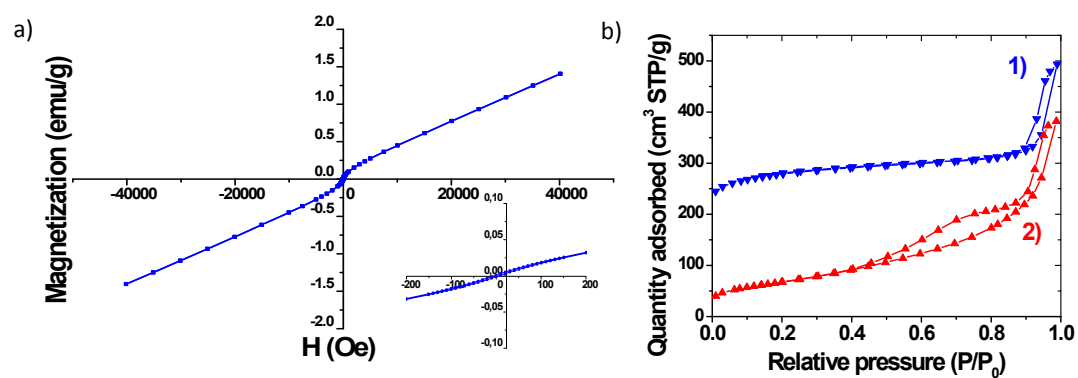


Figure S4. (a) Magnetization curve with the inset showing the region close to the origin with no remanence or coercive field; (b) N₂ adsorption isotherms at 77 K for: 1) the as-made core-shell particles (run **3.3**), and 2) the corresponding calcined product.