

Supporting information

Sonocrystallization of zeolitic imidazolate frameworks (ZIF-7, ZIF-8, ZIF-11 and ZIF-20)

Beatriz Seoane¹, Juan M. Zamaro², Carlos Téllez¹, and Joaquín Coronas^{1,*}

¹Chemical and Environmental Engineering Department and Nanoscience Institute of Aragón, Universidad de Zaragoza, 50018 Zaragoza, Spain

²Instituto de Investigaciones en Catálisis y Petroquímica, INCAPE (FIQ, UNL, CONICET). Santiago del Estero 2829, 3000 Santa Fe, Argentina

*Corresponding author: coronas@unizar.es

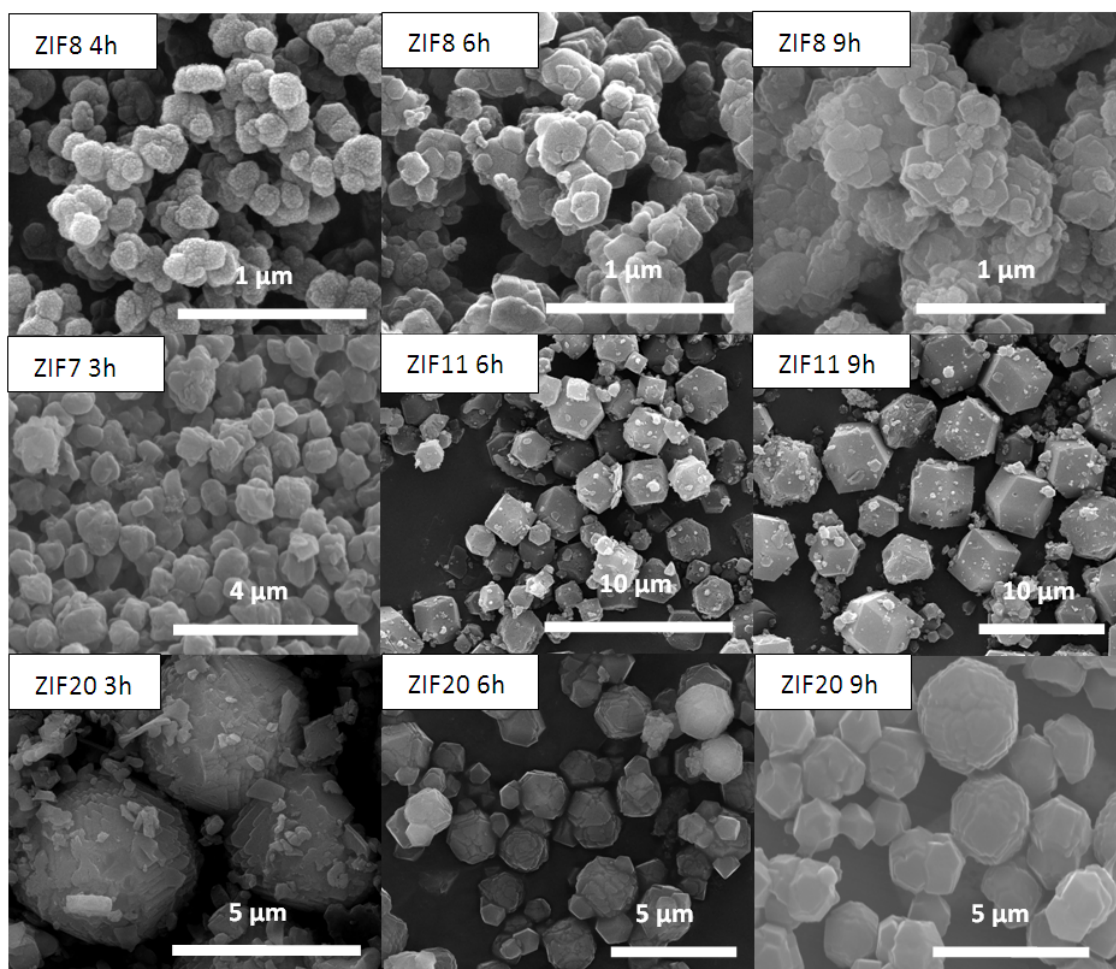


Figure S1. SEM images after several sonocrystallization times of ZIF-7 (as precursor of ZIF-11), ZIF-8, ZIF-11 and ZIF-20.

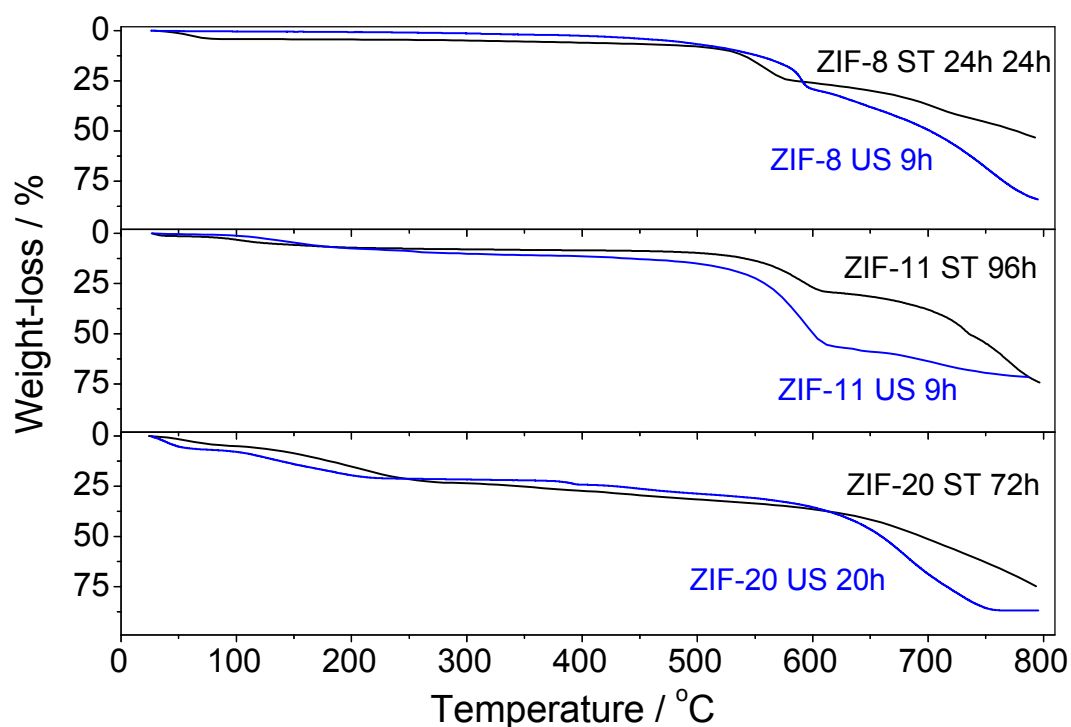


Figure S2. TGA curves for samples obtained by sonocrystallization at 9 h and by conventional hydrothermal synthesis.

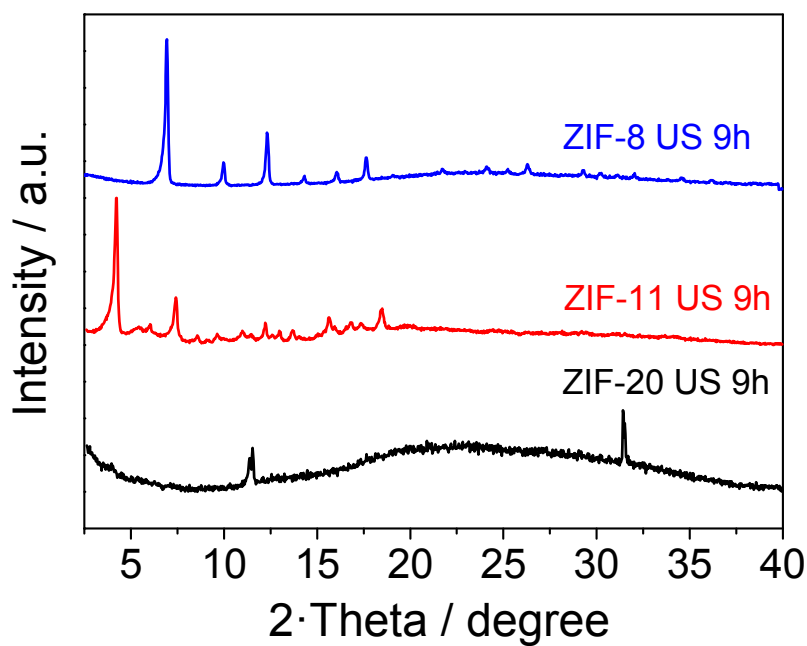


Figure S3. XRD patterns of ZIF samples activated in methanol for 48 h at room temperature and heated at 200 °C for 2 h.