

Supporting Information

Probing Interconnectivity in Hierarchical Microporous/Mesoporous Materials using Adsorption and Nuclear Magnetic Resonance Diffusion

Anne Galarneau,^{†,*} Flavien Guenneau,[‡] Antoine Gedeon,[‡] Daa Mereib,[‡] Jeremy Rodriguez,[†]
François Fajula,[†] Benoit Coasne^{†,§,*}

* To whom correspondence should be sent.

A. Galarneau (anne.galarneau@enscm.fr), B. Coasne (coasne@mit.edu)

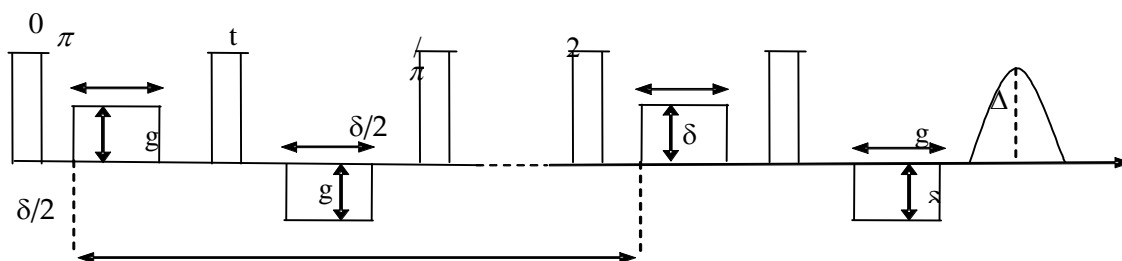


Figure S1. 13-interval bipolar spin echo sequence.

C18

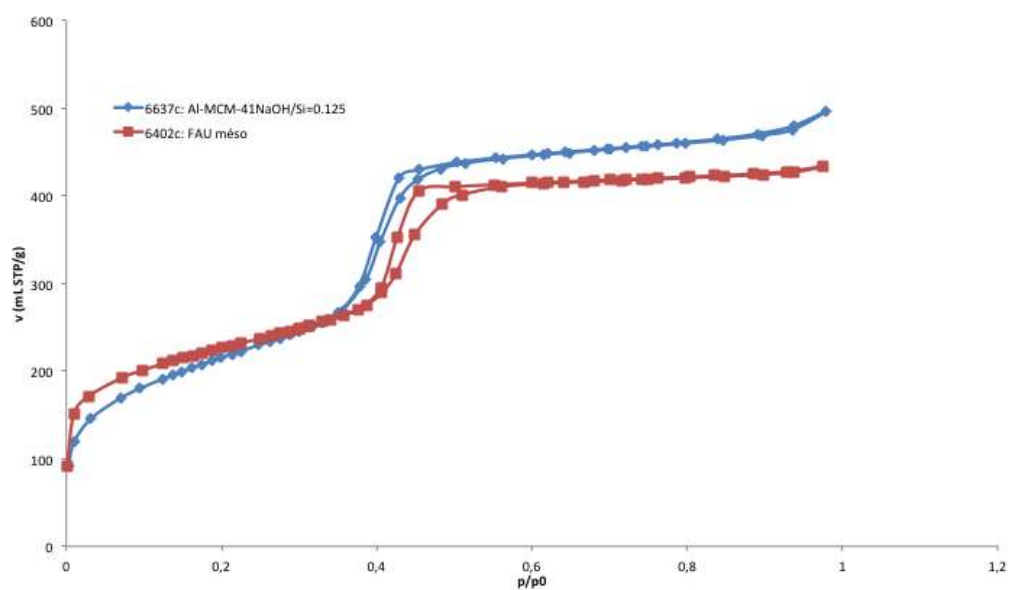


Figure S2. Nitrogen adsorption isotherms at 77 K for MCM-41 (diamonds) and mFAU (squares).

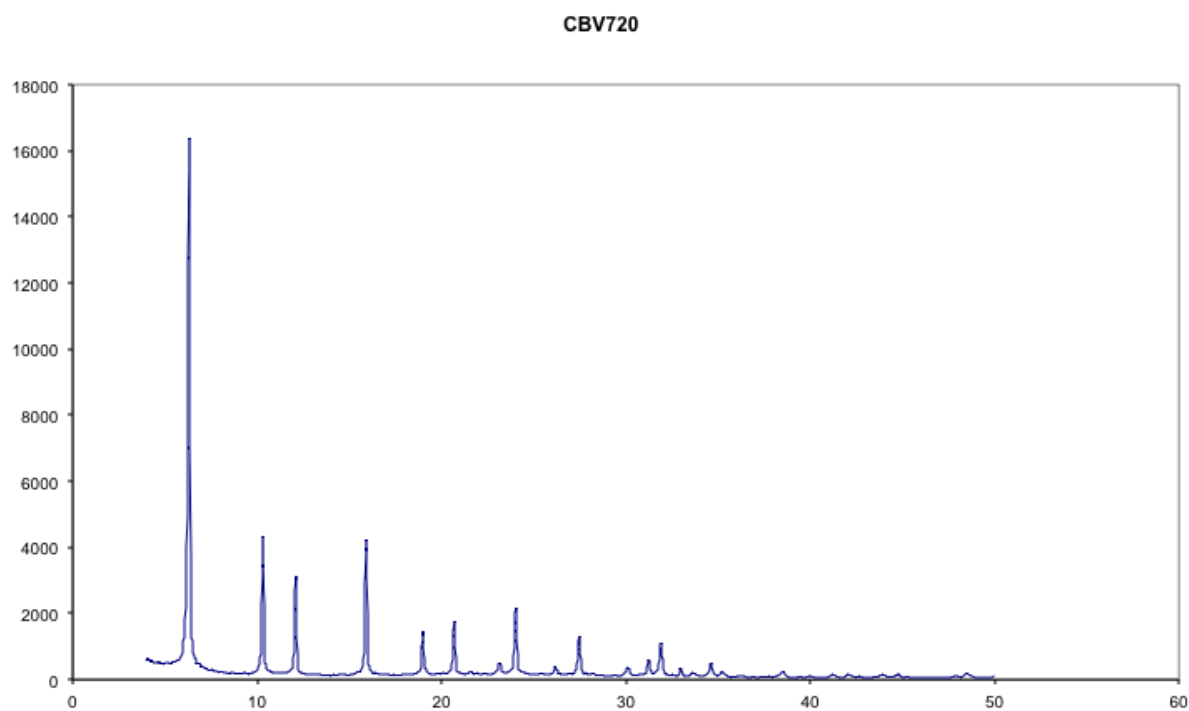
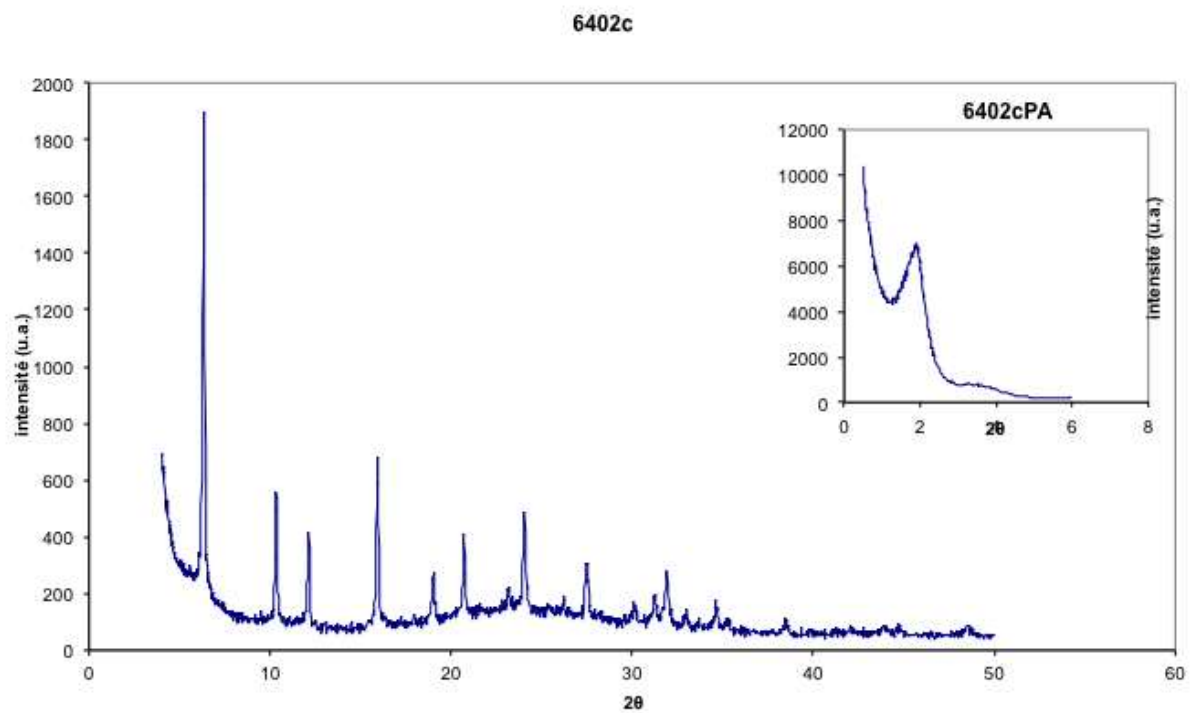


Figure S3. X-Ray diffraction pattern for mFAU (top) and FAU (bottom). For mFAU, the insert shows the small angle region where a peak corresponding to the ordered mesoporous phase (MCM-41 type) is observed.

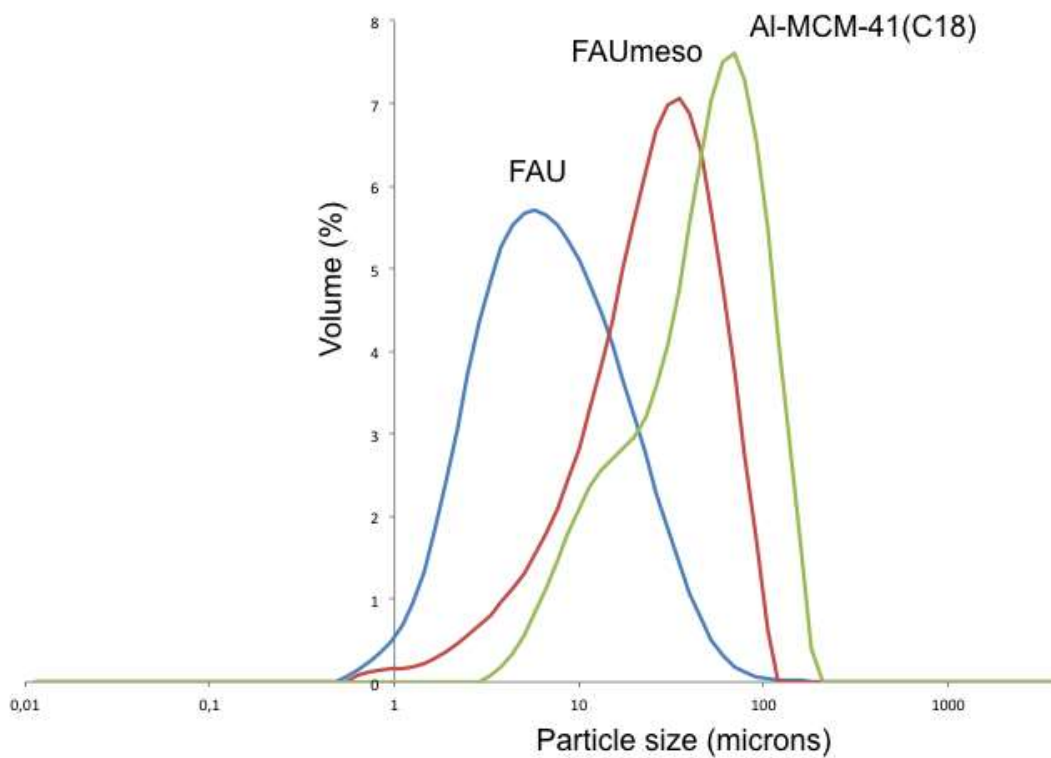


Figure S4. Particle size distributions for FAU, mFAU and Al-MCM-41 determined by laser granulometry.

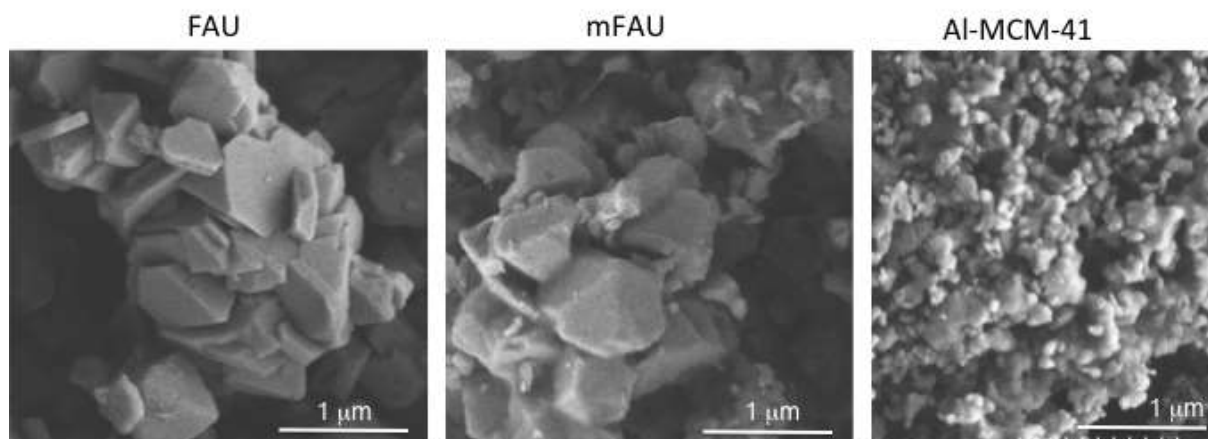


Figure S5. SEM images of FAU, mFAU and Al-MCM-41.