

Synthesis and catalytic activity of organic-inorganic hybrid Ti-SBA-15 materials

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Supporting Information

Figure ESI-1. FTIR spectra and expansion in the Cp region, recorded for the Titanium containing mesostructured samples.

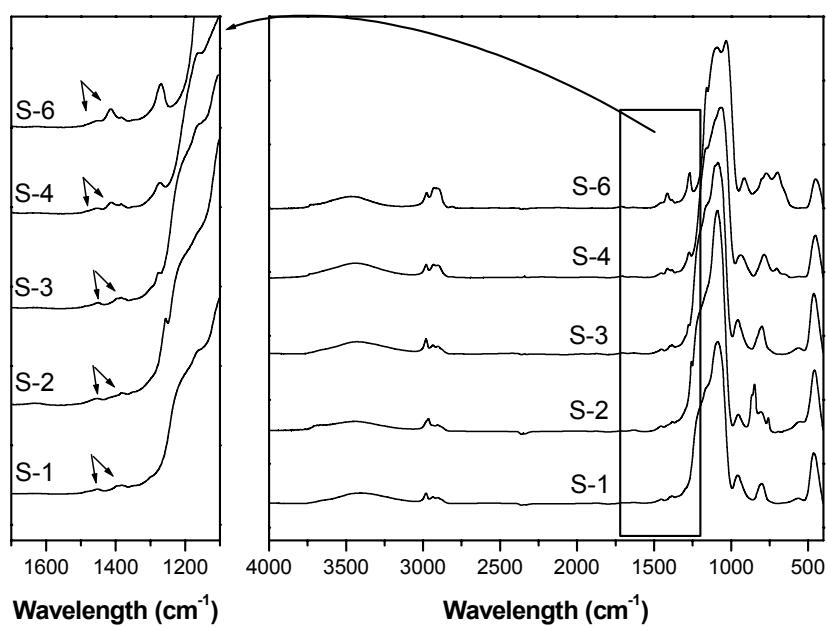


Figure ESI-2. Comparison of FTIR spectra recorded for sample S-4, before (as made material) and after ethanol washing step (extracted sample).

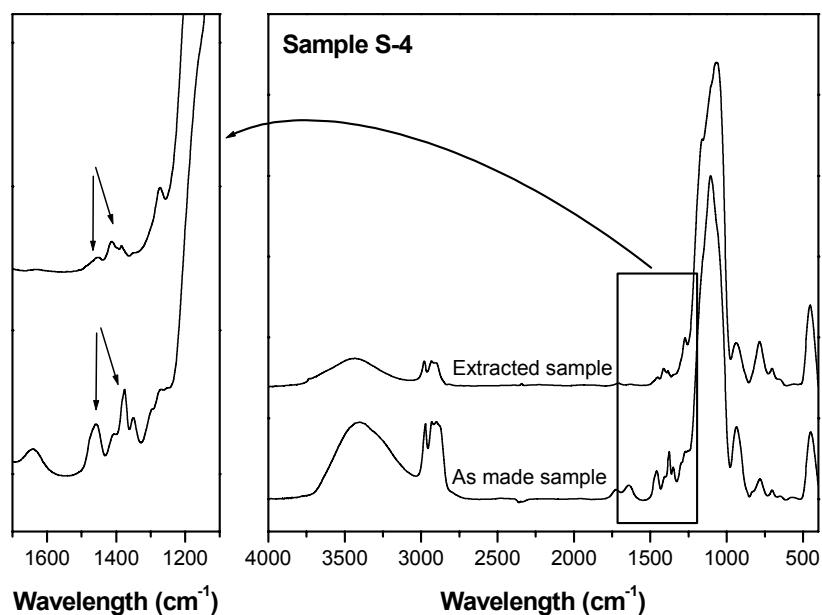


Figure ESI-3. t-plot curves and linear fitting in the micropore region achieved for PMO-samples with different organic content.

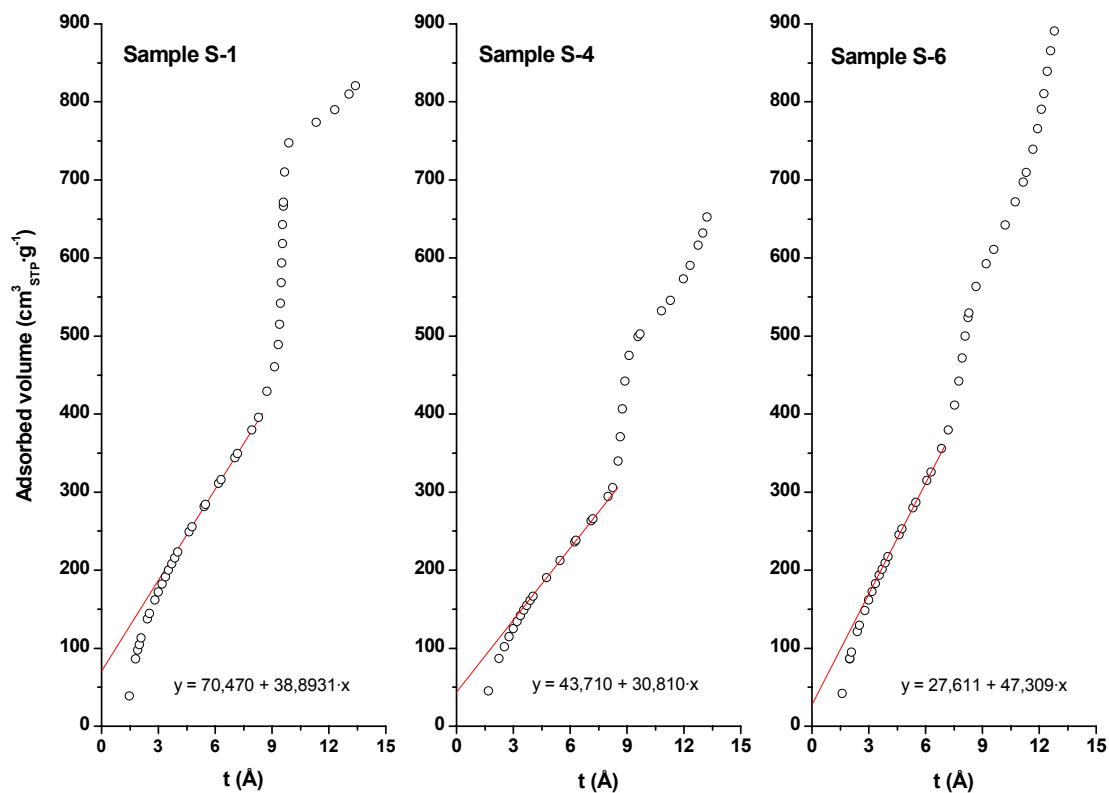


Figure ESI-4. Thermogravimetric experiments and weight loss assignation for titanium containing PMO samples with different organic contents.

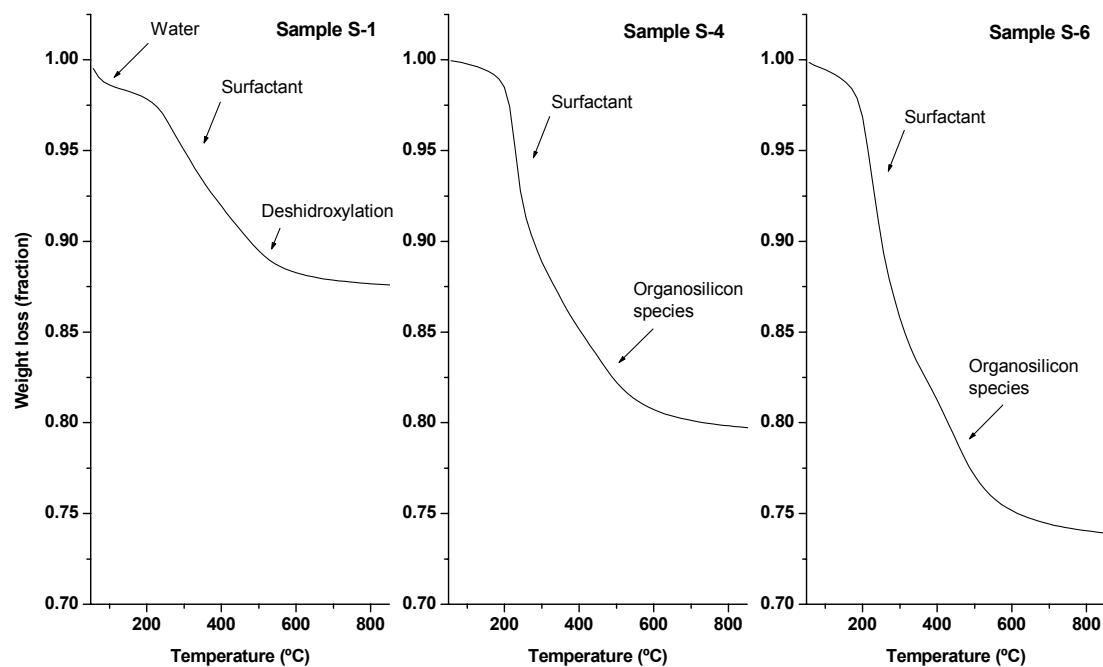


Table ESI-1. Chemical analysis performed on sample S-4, before and after washing with ethanol

Sample S-4	Ti in Sample (%)	Organic (%)	Ti/SiO ₂ (%) ^a	Incorporation efficiency (%) ^b
As Made	0.175	59.3	0.430	9.55
Extracted with EtOH	0.205	20.2	0.257	5.71

^a Titanium content referred to silica basis. ^b Incorporation efficiency calculated regarding to the initial titanium content in the synthesis gel.