Electronic Supplementary Material (ESI) for Green Chemistry

Supporting Information

Cr-MIL-101 Encapsulated Keggin Phosphotungstic Acid as Active Nanomaterial for Catalysing Alcoholysis of Styrene Oxide

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Table S1. Physiochemical properties of MIL-101 samples

Samples	**BET surface area (m^2/g)**	**Langmuir surface area (m^2/g)**	**Pore volume[a] (cm^3/g)**	**Average pore diameter[b] (nm)**
MIL-101(HF)	2794	2767	1.20	3.5
MIL-101(H_2O)	2995	2977	1.31	3.8
MIL-101(HPW)	2124	2190	0.96	3.5

[a]Calculated from *t*-plot
[b]Calculated based on BJH (Barrett, Joyner & Halenda) method from nitrogen adsorption isotherms

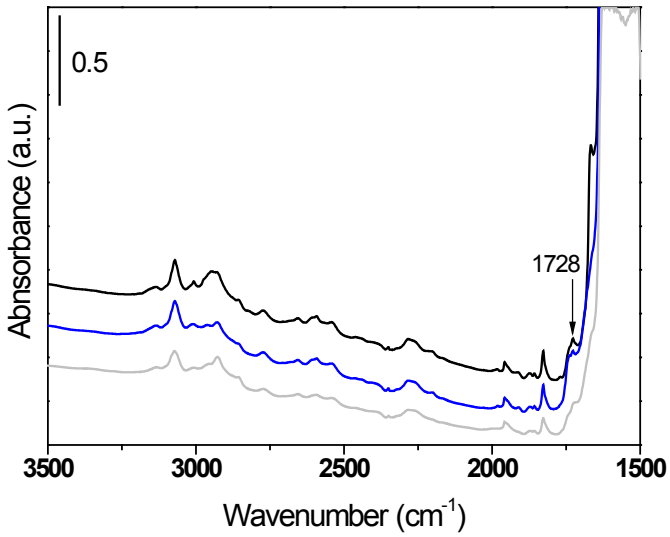

Figure S1. IR spectra of MIL-101(H_2O) (black), MIL-101(HF) (blue) and MIL-101(HPW) (grey) samples collected after outgassing at 200 °C.

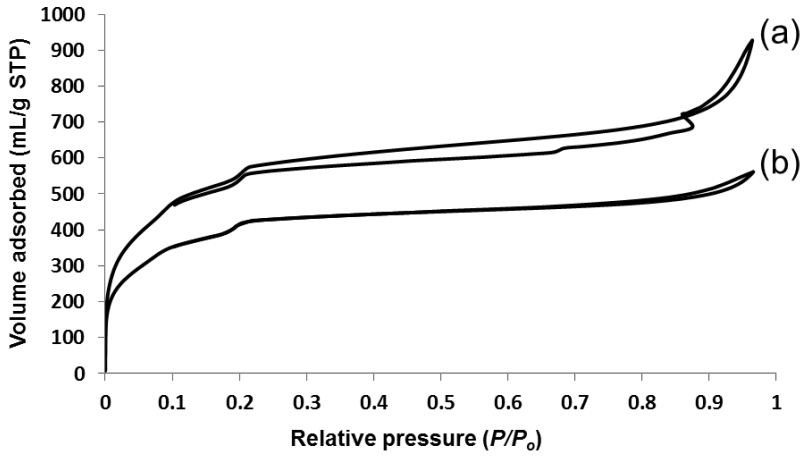

Figure S2. N_2 adsorption-desorption isotherms of (a) as-synthesized MIL-101(HPW) and (b) recovered MIL-101(HPW) sample after 4 catalytic runs.

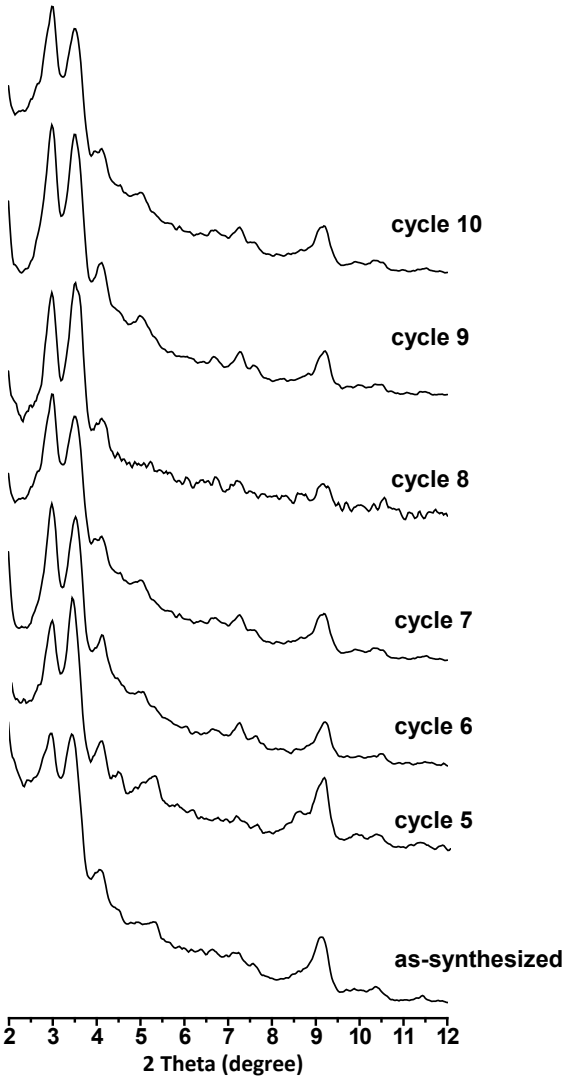

Figure S3. XRD patterns of MIL-101(HPW) before and after 10 catalytic runs.