Electronic Supplementary Material (ESI) for Catalysis Science & Technology.

Hierarchical MFI type zeolites with intracrystalline macropores: the effect of the macropore size on the deactivation behaviour in the MTO reaction

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Supplementary Information

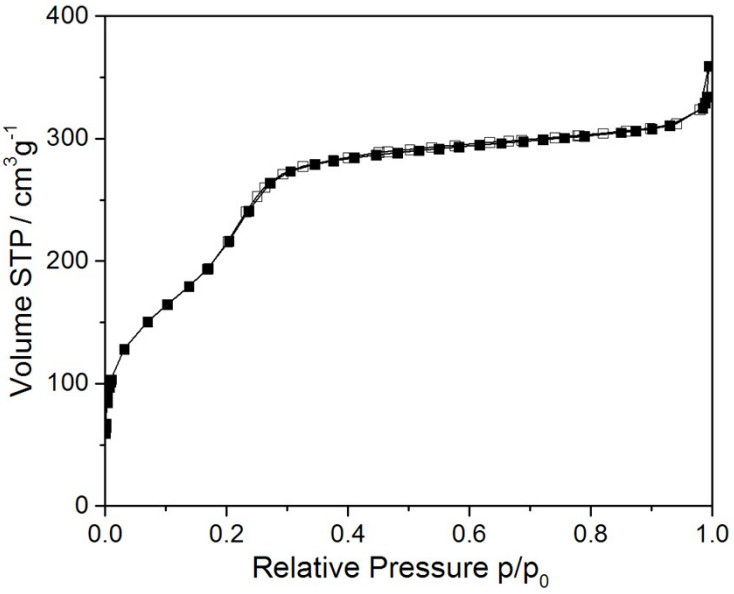

Figure 1: Nitrogen sorption isotherm of calcined MSPs synthesised at 293 K

Table 1: Nitrogen sorption data of calcined MSPs: [a] BET surface area, [b] total pore volume, [c] pore diameter determined by DFT

	S_{BET} [a]	$V_{total\ (p/p0=0.993)}$ [b]	$d_{Pores,\ DFT}$ [c]
	$m^2\ g^{-1}$	$cm^3\ g^{-1}$	nm
MSPs (293 K)	679	0.500	3.179
MSPs (318 K)	677	0.551	3.179
MSPs (318 K)	642	0.566	3.179
MSPs (323 K)	661	0.531	3.179

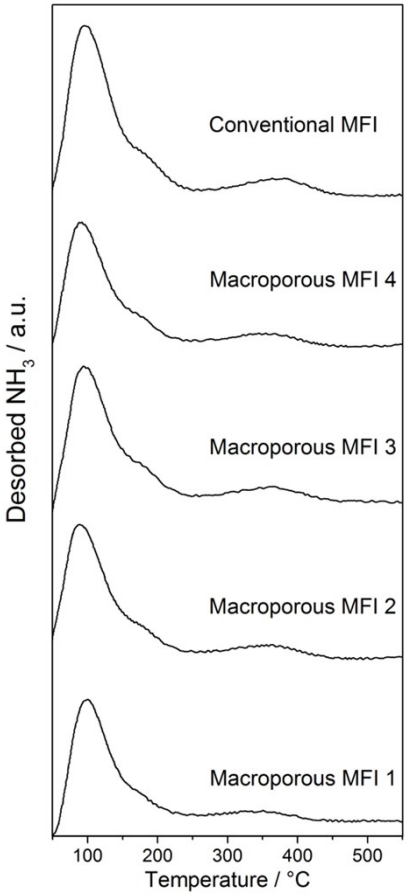

Figure 2: Ammonia TPD data of synthesised hierarchical and conventional ZSM-5 zeolites in H-form