Understanding the high catalytic activity of propylsulfonic acid-functionalized periodic mesoporous benzenesilicas by high-resolution $^1$H solid-state NMR spectroscopy

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Electronic Supporting Information
Figure S1 – $^1$H MAS NMR spectra of propylsulphonic acid-functionalized ethyl PMO recorded at different deuterium exchange times. a) Without deuterium exchange; b) after 2 days, c) after 4 days and d) after 1 week of deuterium exchange.
Figure S2 – a) 2D $^1$H-$^1$H DQ-SQ $^1$H MAS NMR and b) 2D $^1$H-$^1$H spin-exchange NMR spectra of dehydrated propylsulphonic acid-functionalized PMO recorded at the same conditions as the NMR spectra shown in Figures 5 and 6. The NMR spectra were measured to four distinct acid loadings (indicated in the middle in mmol/g).