Supporting Information

Advanced Surface Functionalization of Periodic Mesoporous Silica: Kinetic Control by Trisilazane Reagents

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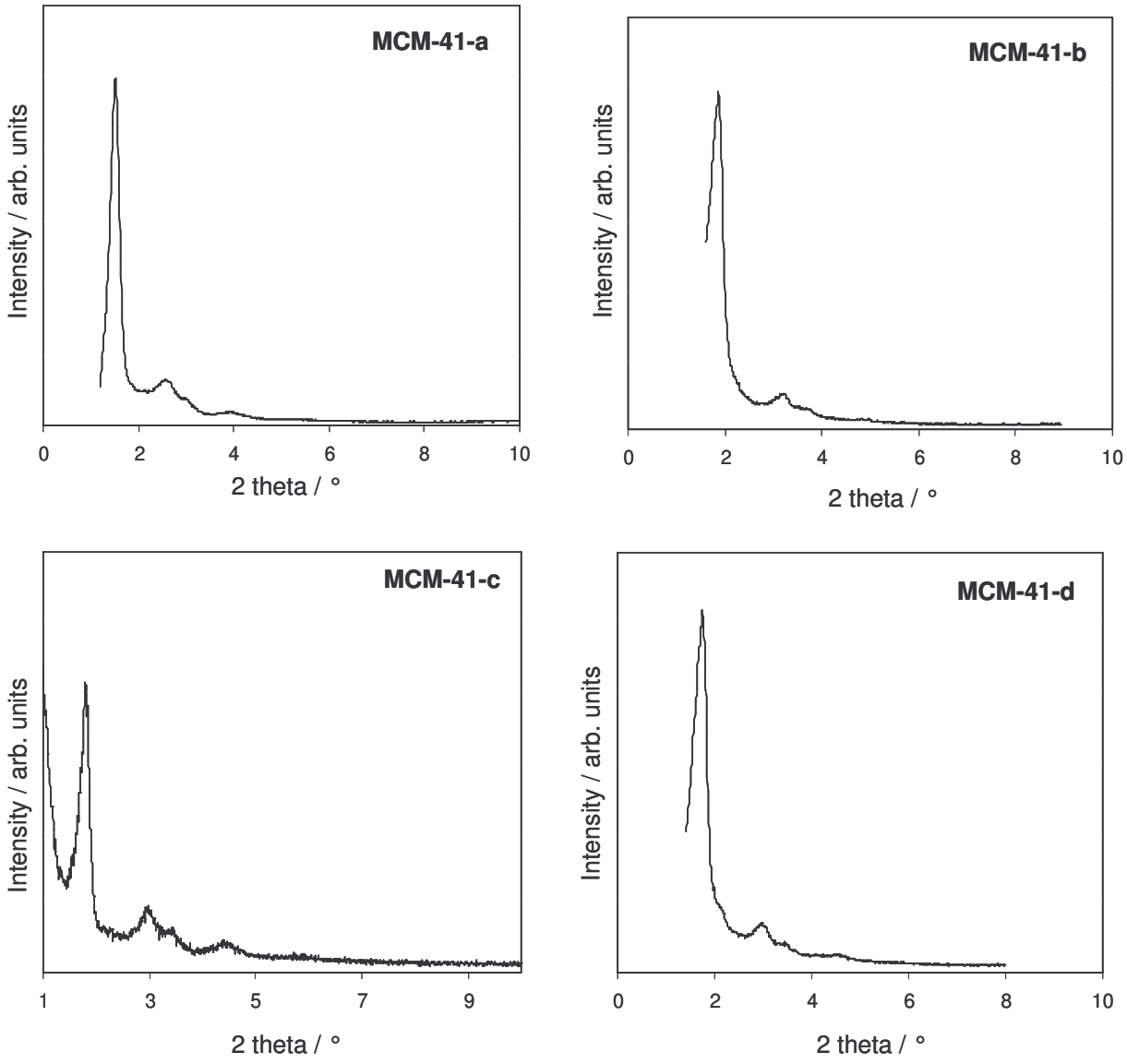

Figure S1. PXRD spectra of pure silica MCM-41 materials.

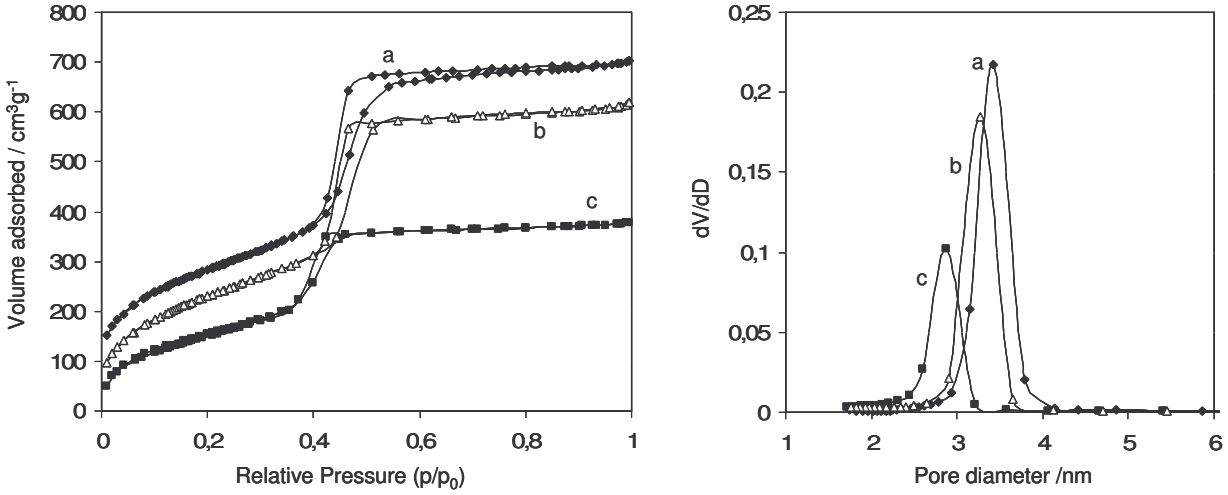

Figure S2. N_2 physisorption isotherms and corresponding pore size distributions of MCM-41-**d** (a), **T5**@MCM-41-**d** (b), and **M3**@MCM-41-**d** (c).

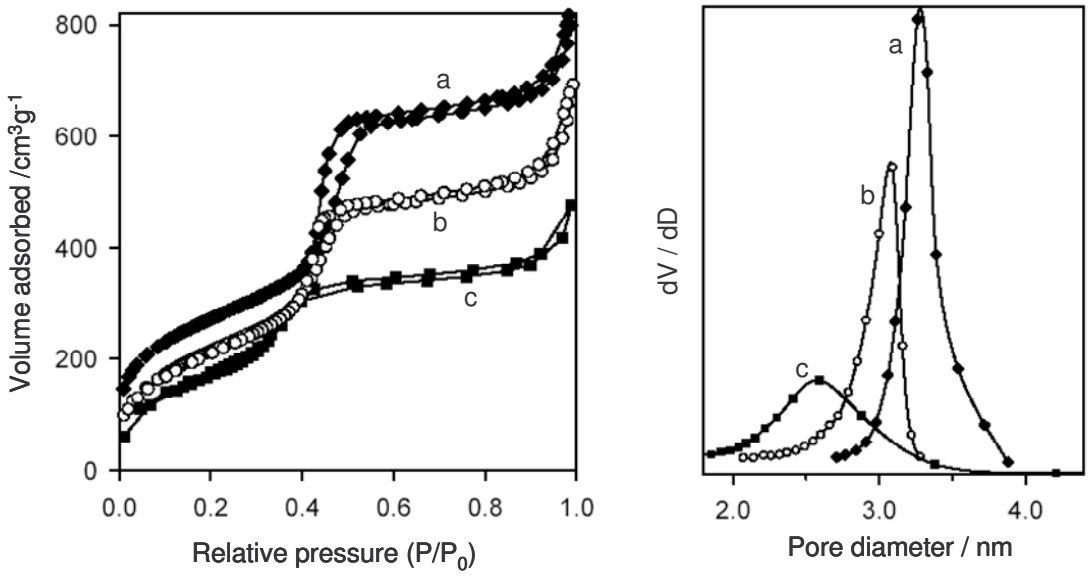

Figure S3: N_2 physisorption isotherms and corresponding pore size distributions of MCM-41-**b** (a), **T10**@MCM-41-**b** (b), and **M4**@MCM-41-**b** (c).

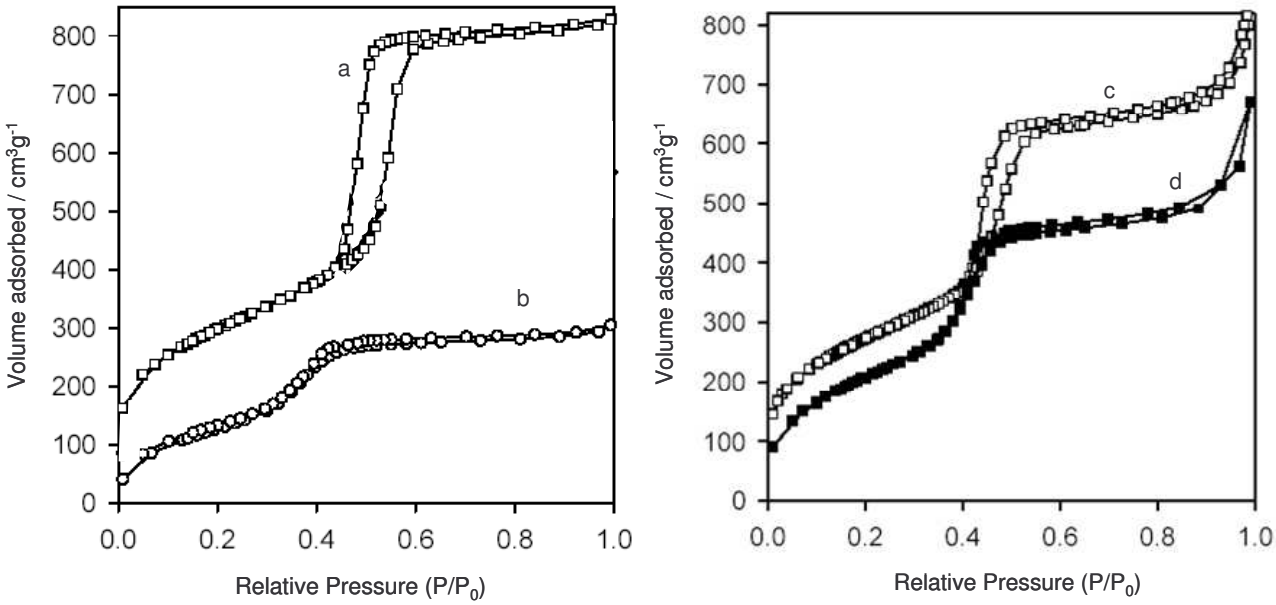

Figure S4: N_2 physisorption isotherms of MCM-41-**a** (a), **M1**@MCM-41-**a** (b), MCM-41-**b** (c) and **T3**@MCM-41-**b** (d).

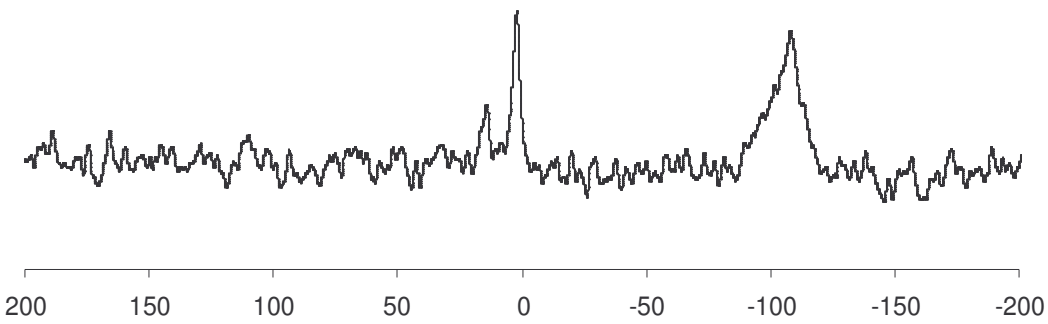

Figure S5. ^{29}Si MAS NMR of **T6**@MCM-41-**c**.

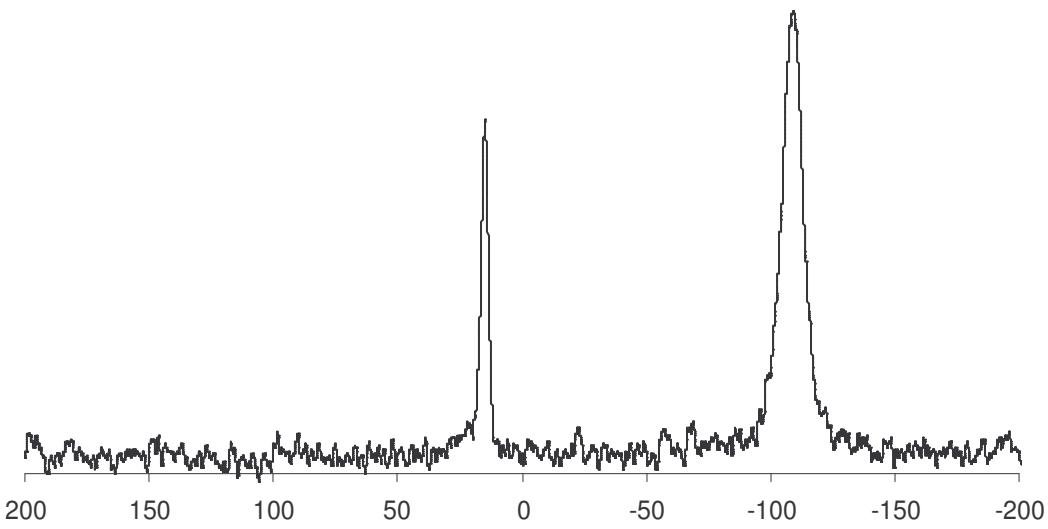

Figure S6. ^{29}Si MAS NMR of **M2**@MCM-41-**c**.

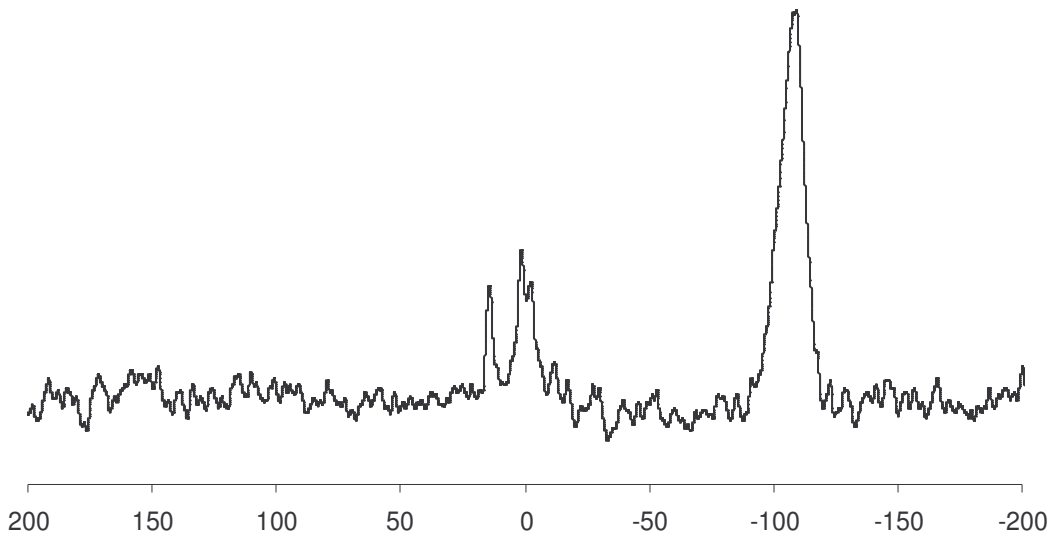

Figure S7. ^{29}Si MAS NMR of **T4**@MCM-41-**c**.

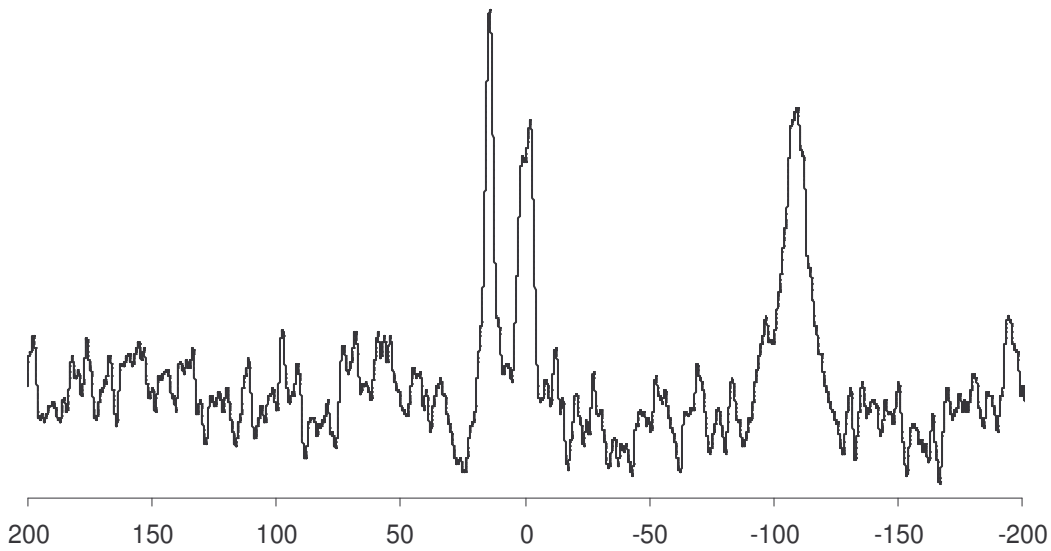

Figure S8. ^{29}Si MAS NMR of **D2**@MCM-41-**c**.

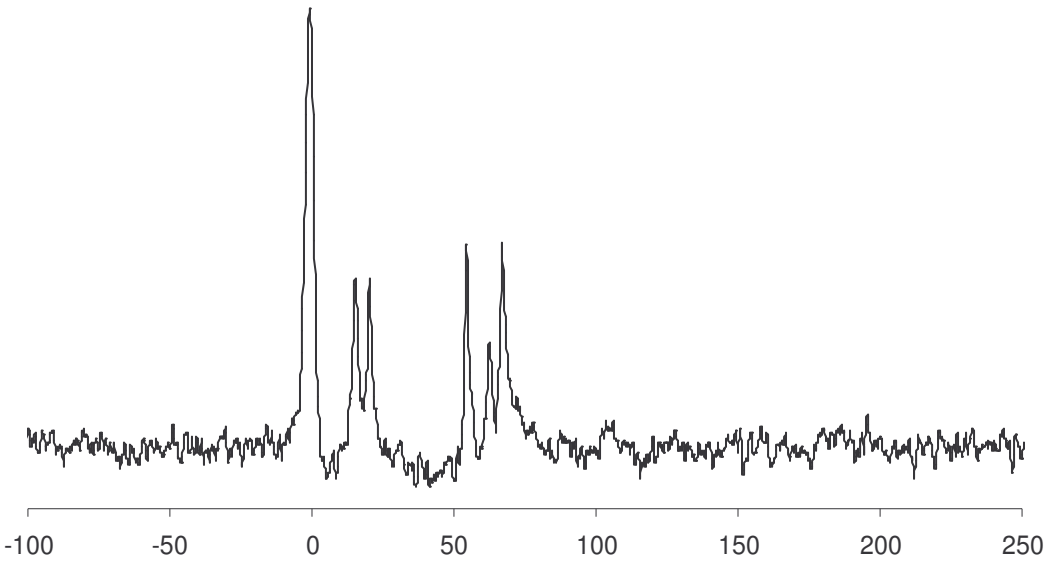

Figure S9. ^{13}C MAS NMR of **M3**@MCM-41-**d**.