Electronic Supplementary Material for Journal of Materials Chemistry

Supplementary information

Spermine, spermidine and their analogues generate tailored silicas

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Figure S1. Cumulative pore volume as a function of pore radius of silicas generated using PEHA at varied time intervals. Highlighted area presented in Figure S2.

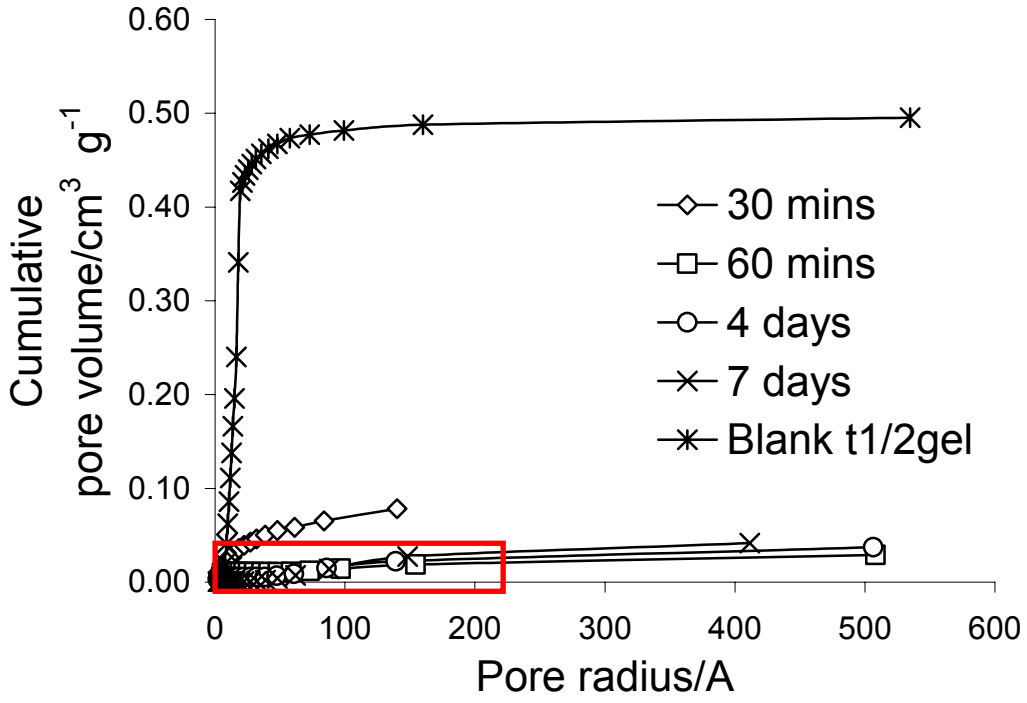


Figure S2. Cumulative pore volume as a function of pore radius of silicas generated using PEHA at varied time intervals.

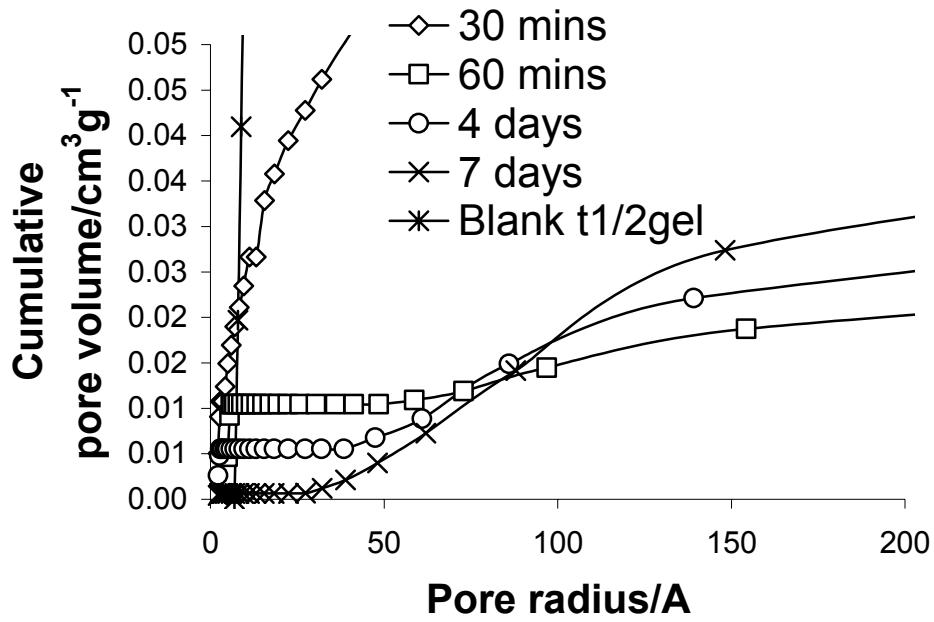


Figure S3. Pore size distribution of pre-heat treatment silicas generated using 10 – 200% PEHA.

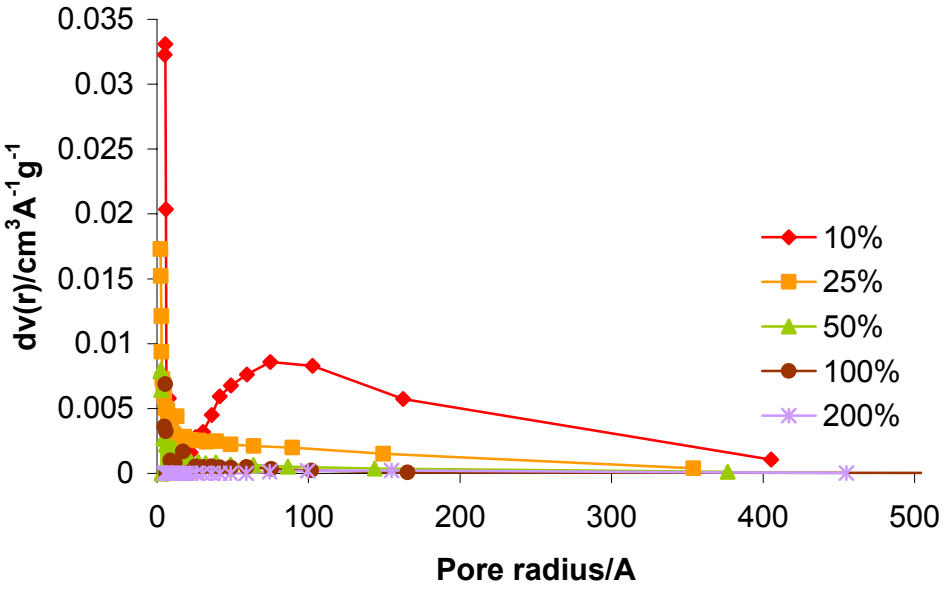
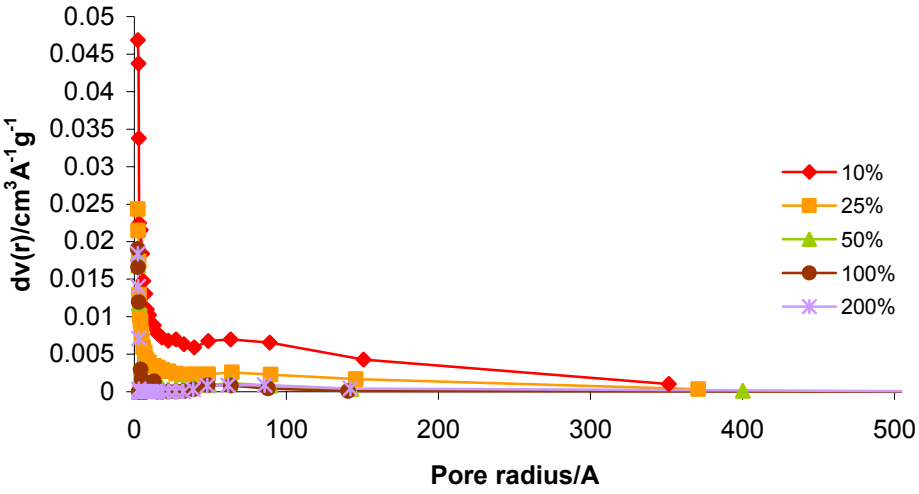


Figure S4. (a) Pore size distribution of post-heat treatment silicas generated using 10 – 200% PEHA. (b) Adsorption isotherms of samples before and after heat treatment.

(a)



(b)

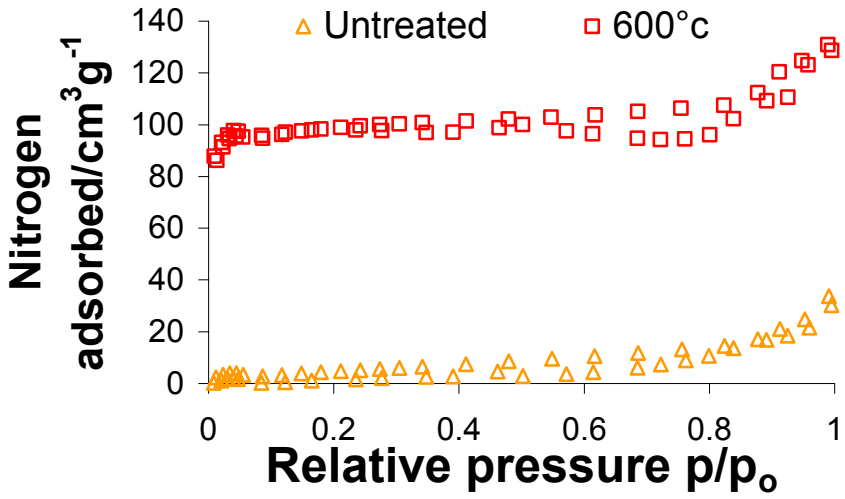


Figure S5. Trimerisation rate constants obtained from silica condensation reactions in the presence of spermidine, spermine and homologues.