

Reduced Shrinkage of Silica Sol-Gels Using Sugar-based Silsesquioxane Precursors

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4M1

Supporting Material

Figure 1S: FT-IR spectra of GLS-modified, DGS-derived silica.

Figure 2S: FT-IR spectra of MLS-modified, DGS-derived silica.

Figure 3S: FTIR-ATR spectra of powdered samples 3-5, and 8-10.

Figure 4S: Solid-state ^{29}Si CPMAS NMR spectra: A) **3**, B) **10**.

Figure 5S: Solid-state ^{13}C CPMAS NMR spectra: (a) **3**, (b) **10**.

Figure 6S: Pore size distributions of samples 3,4, 8-10.

Figure 1S: FT-IR spectra of GLS-modified, DGS-derived silica.

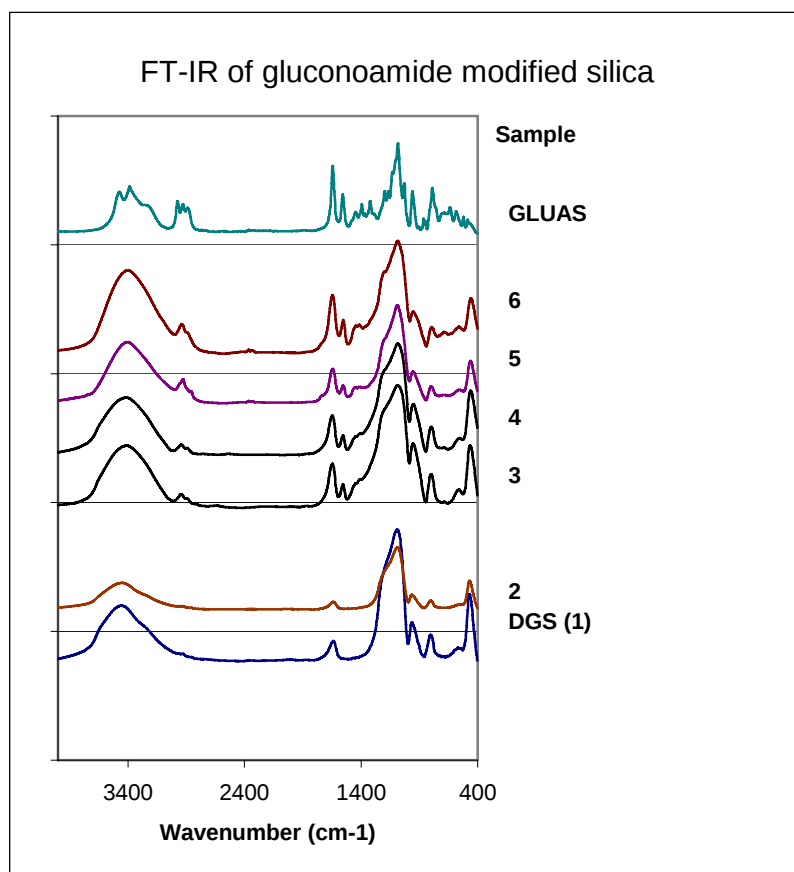


Figure 2S: FT-IR spectra of MLS-modified, DGS-derived silica.

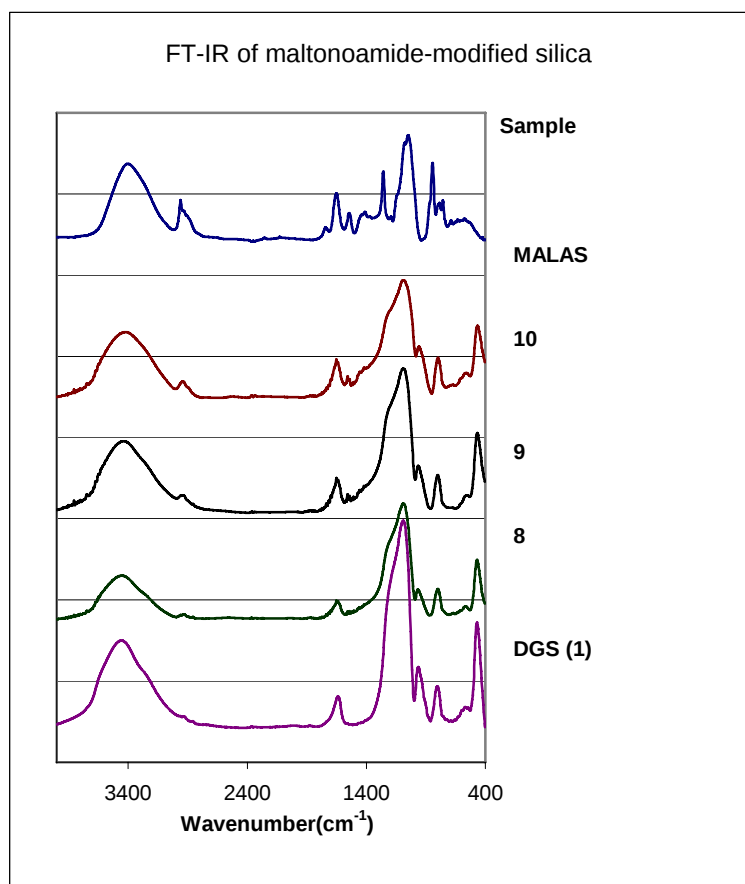


Figure 3S: FTIR-ATR spectra of powdered samples 3-5, and 8-10.

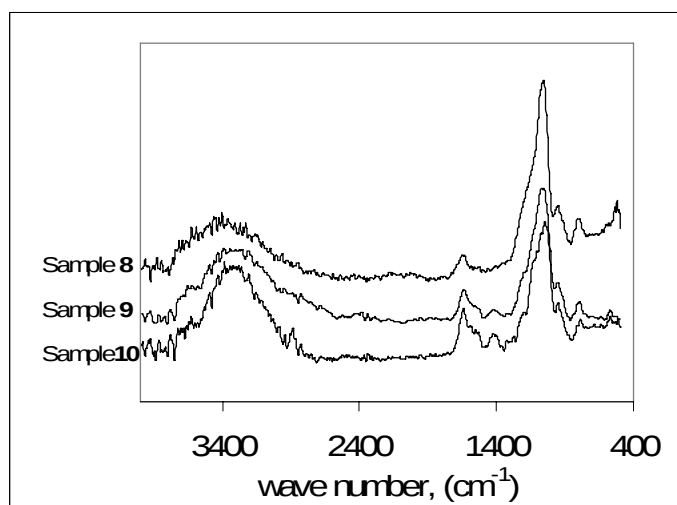
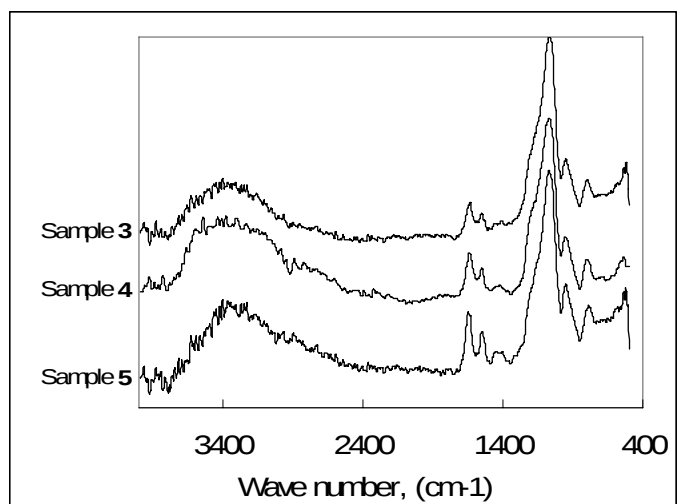


Figure 4S: Solid-state ^{29}Si CPMAS NMR spectra: A) 3, B) 10.

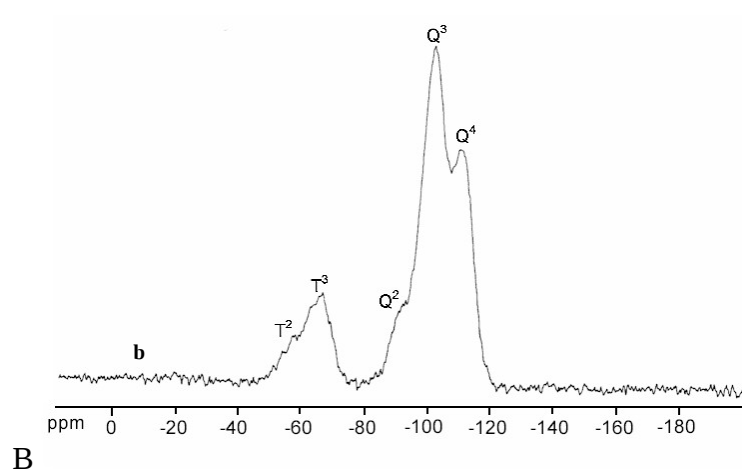
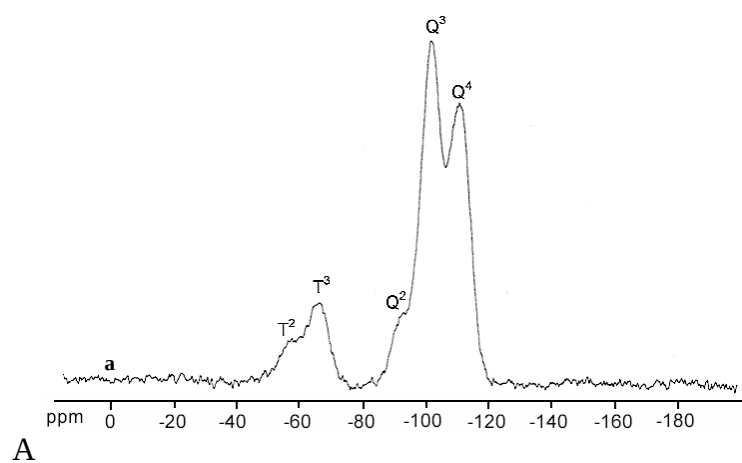


Figure 5S: Solid-state ^{13}C CPMAS NMR spectra: (a) 3, (b) 10.

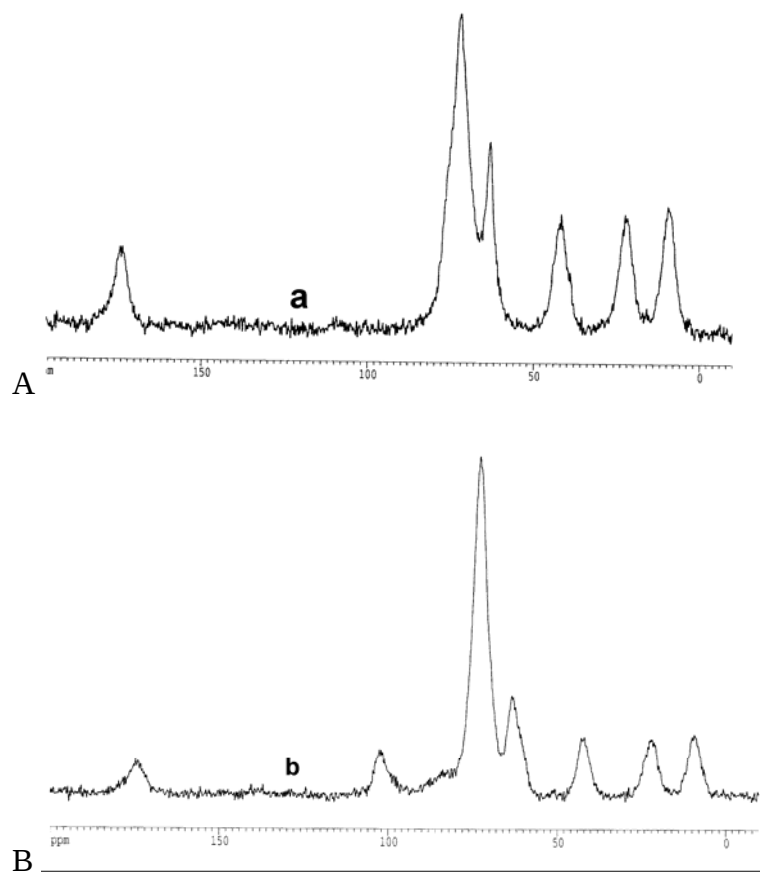


Figure 6S: Pore size distributions of samples 3,4, 8-10.

