

Supplementary material

Layered-expanded Mesostructured Silicas: Generalized Synthesis and Functionalization

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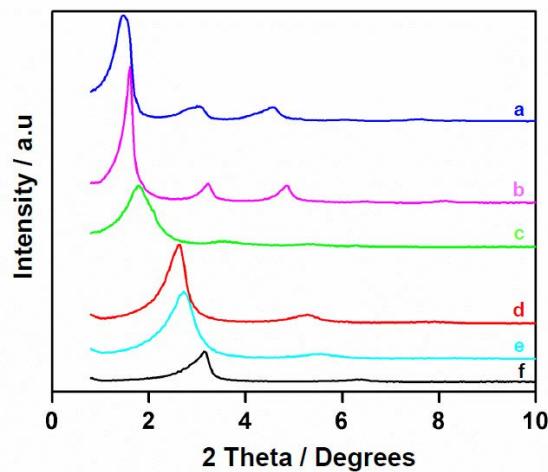


Figure S1. XRD patterns for UVM-Ln solids. (a) n=18, (b) n=16, (c) n=14, (d) n=12, (e) n=10 and (f) n=8.

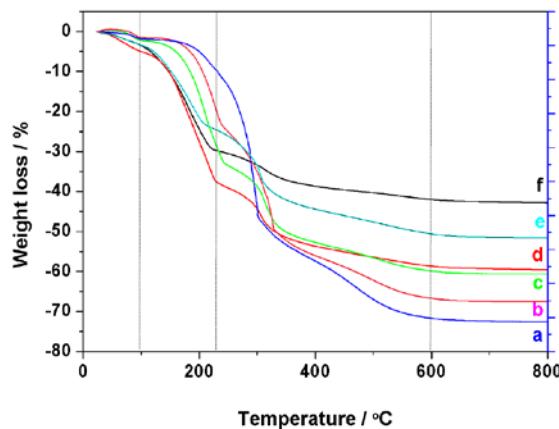


Figure S2. TGA curves for samples (a) UVM-L18, (b) UVM-L16, (c) UVM-L14, (d) UVM-L12, (e) UVM-L10 and (f) UVM-L8.

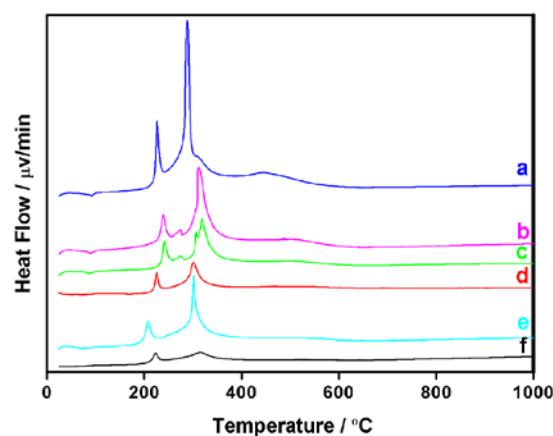


Figure S3. DTA curves for samples (a) UVM-L18, (b) UVM-L16, (c) UVM-L14, (d) UVM-L12, (e) UVM-L10 and (f) UVM-L8.

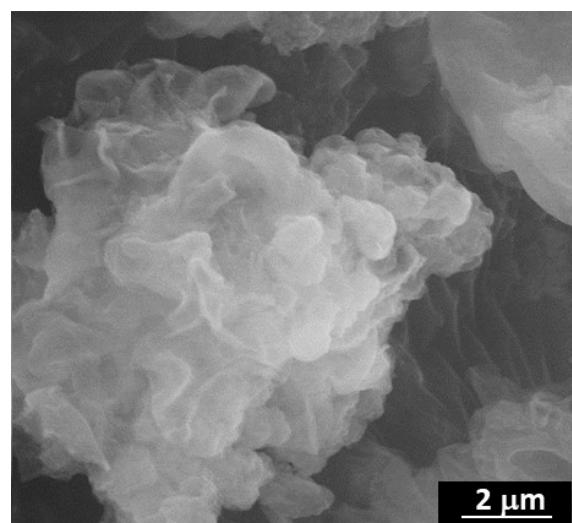


Figure S4. SEM image of UVM-L18 sample.

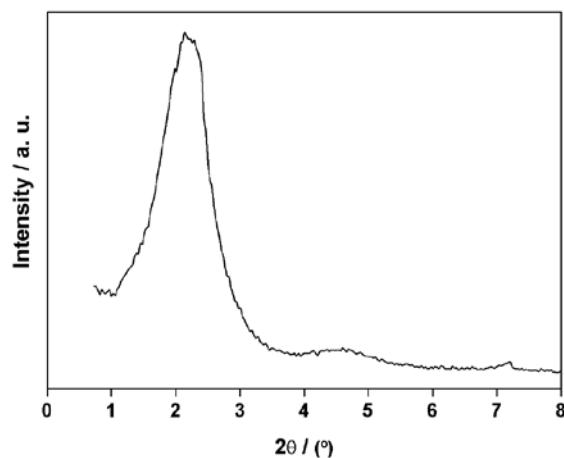


Figure S5. Low-angle XRD pattern of the organically modified Epoxy-UVM-L12 sample.

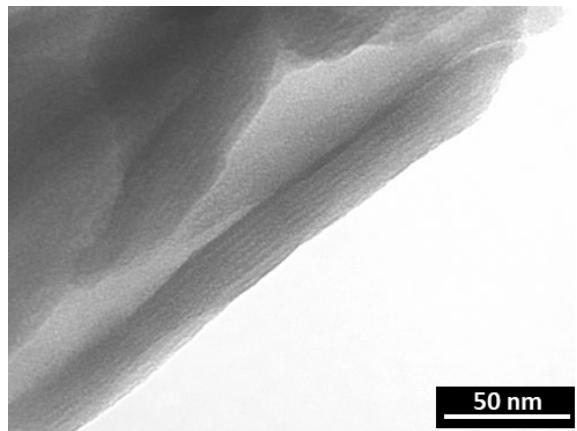


Figure S6. TEM image of the UVM-L16 sample dispersed in ethanol.

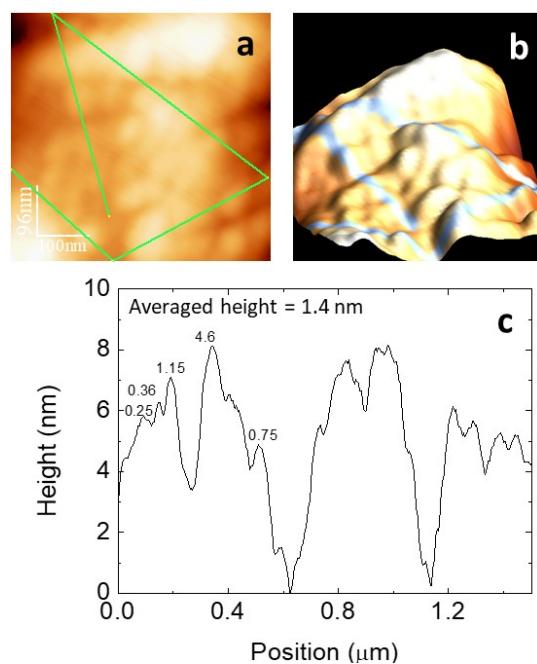


Figure S7. 2D (a) and 3D (b) AFM images of sample UVM-L16 after dispersion in ethanol. (c) Height vs position along the line indicated in the (a) image.