

Long-range ordered lyotropic liquid crystals in intermediate-range ordered protic ionic liquid used as templates for hierarchically porous silica

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Supplementary Information

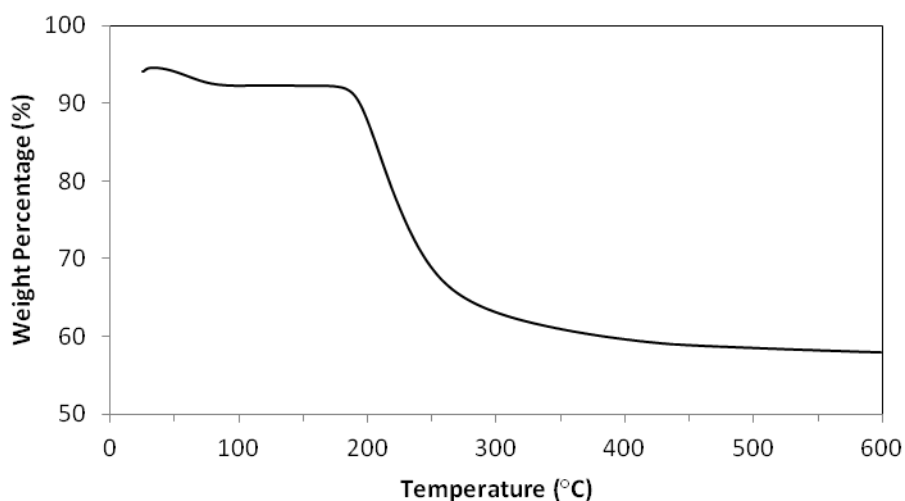
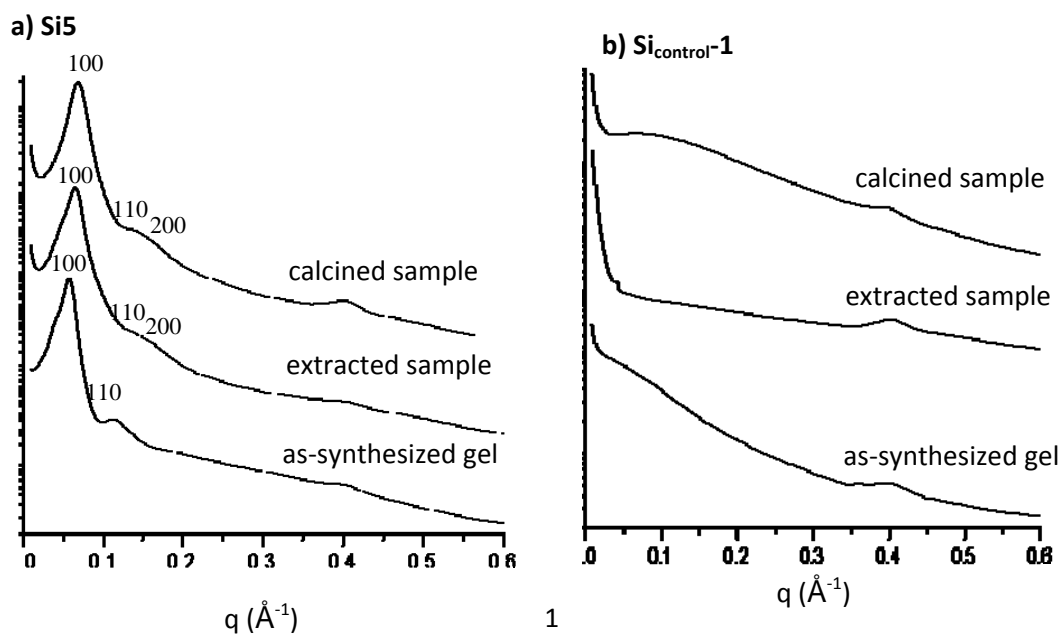


Figure S1 TGA curve of a representative extracted sample (Si1).



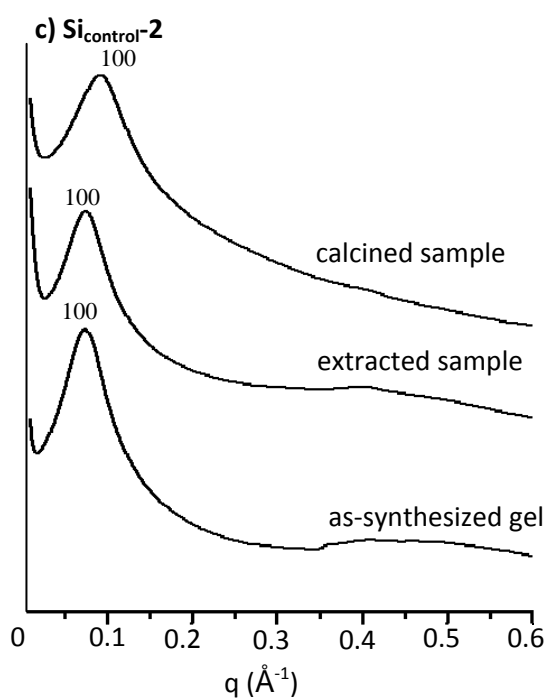
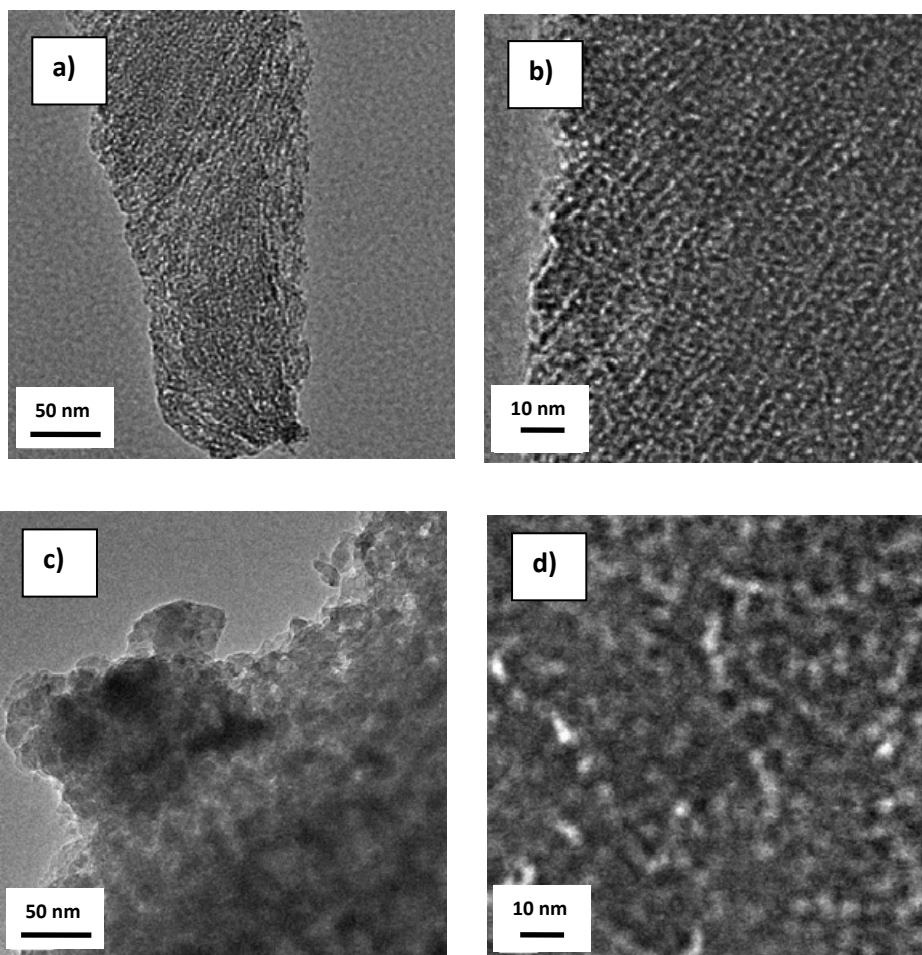


Figure S2 SAXS patterns of as-synthesised sample (gel), extracted sample, and final calcined sample from various templates of a) Si_5 , b) $\text{Si}_{\text{control-1}}$ and c) $\text{Si}_{\text{control-2}}$. Note: the weak broad peak around $q=0.4 \text{\AA}^{-1}$ was due to the Teflon tape which sealed the sample.



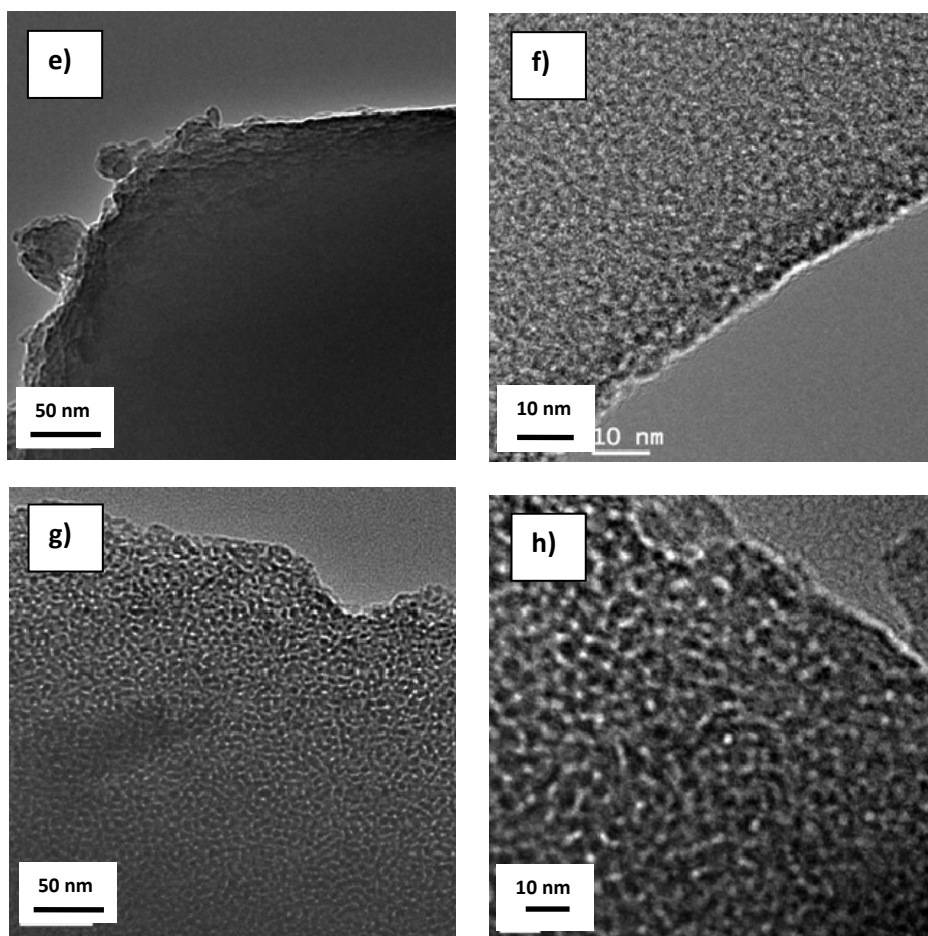


Figure S3 TEM images of the calcined silica materials of a) Si1 and b) higher magnification of Si1, c) Si4 and d) higher magnification of Si4, e) Si_{control-1} and f) higher magnification of Si_{control-1} and g) Si_{control-2} and h) higher magnification of Si_{control-2}.