

Electronic Supplementary Information

Facile preparation and new formation mechanism of plugged SBA-15

silicas based on cheap sodium silicate

Wei Wang, Weijun Shan, Hongqiang Ru

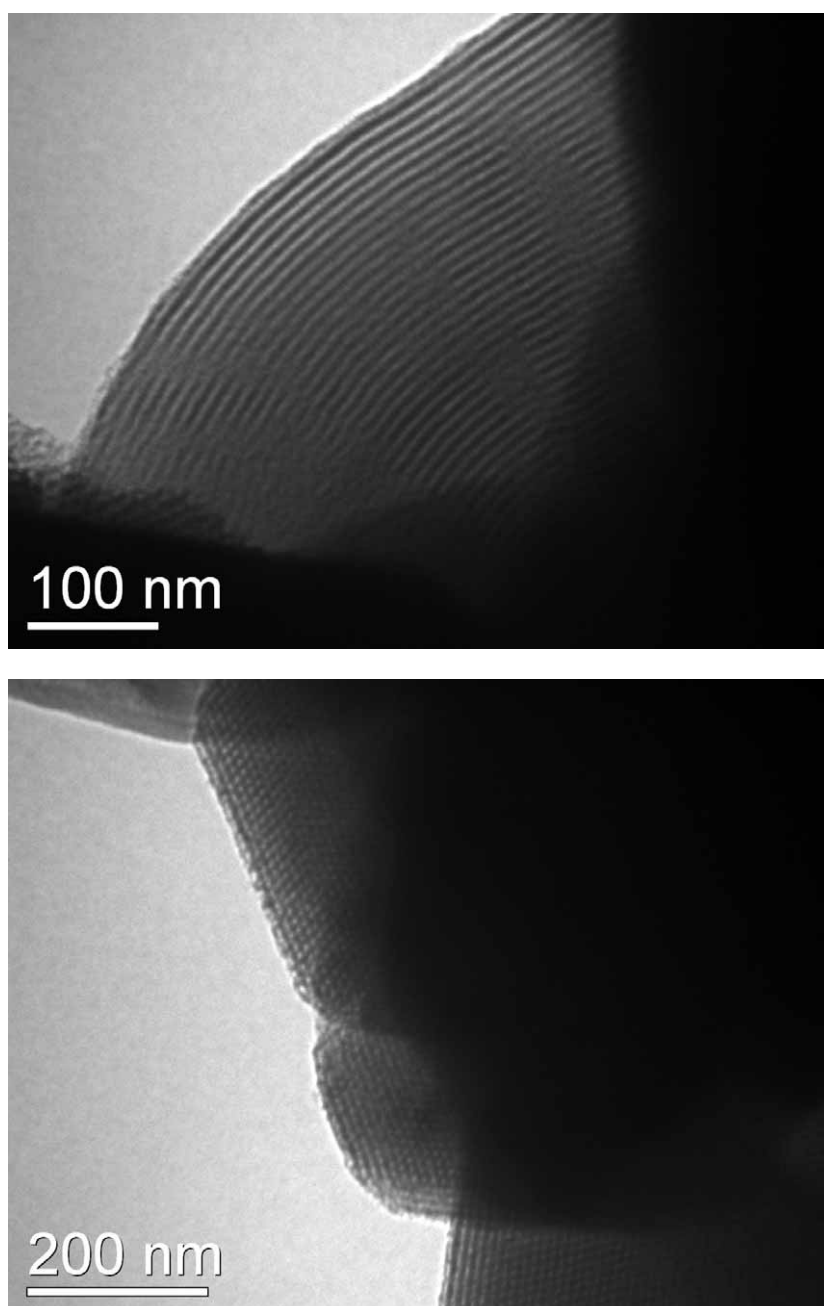


Fig. S1 TEM images of CA10.5@95 taken along [110] (top) and [100] directions (bottom).

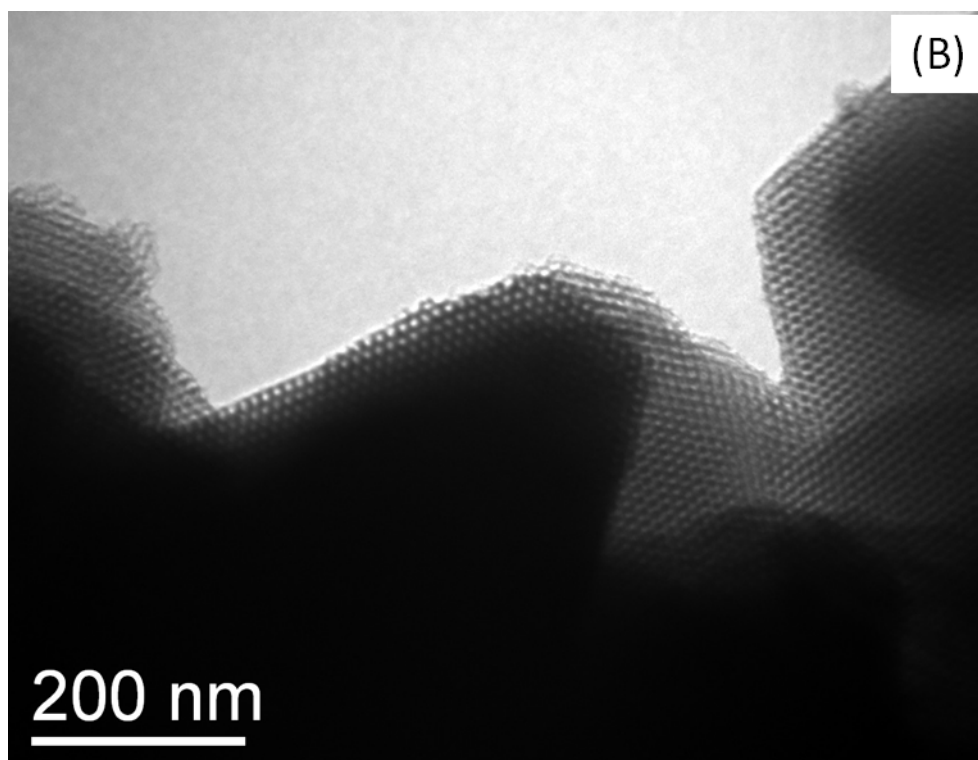
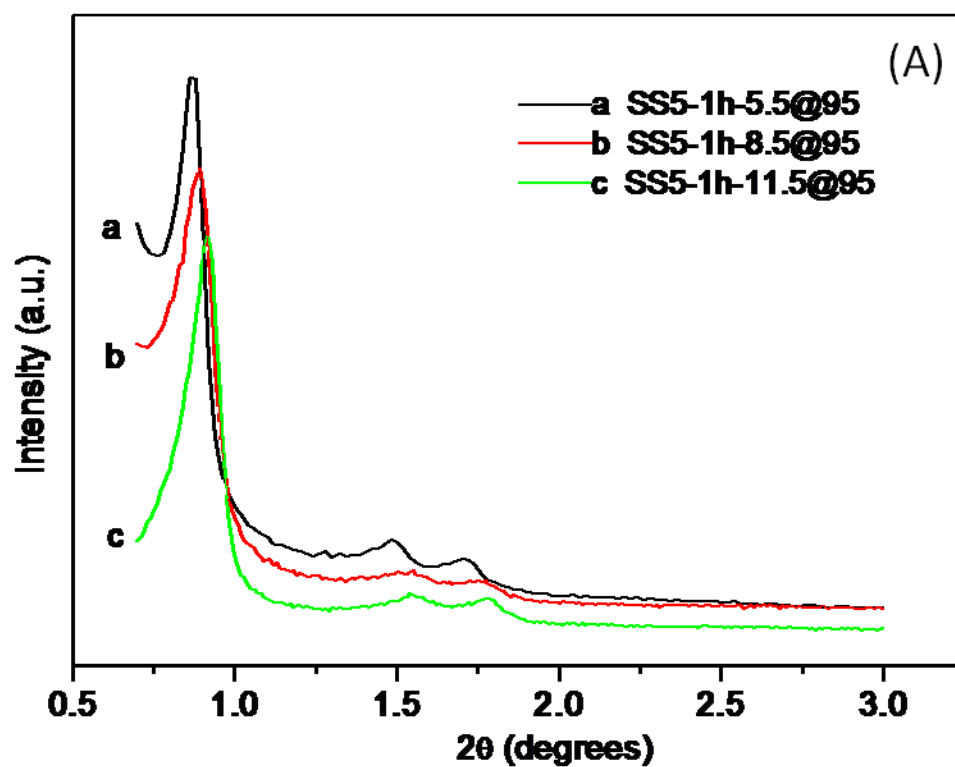


Fig.S2 XRD patterns of (a) SS5-1h-5.5@95, (b) SS5-1h-8.5@95 and (c) SS5-1h-11.5@95. (B) TEM of SS5-1h-8.5@95.

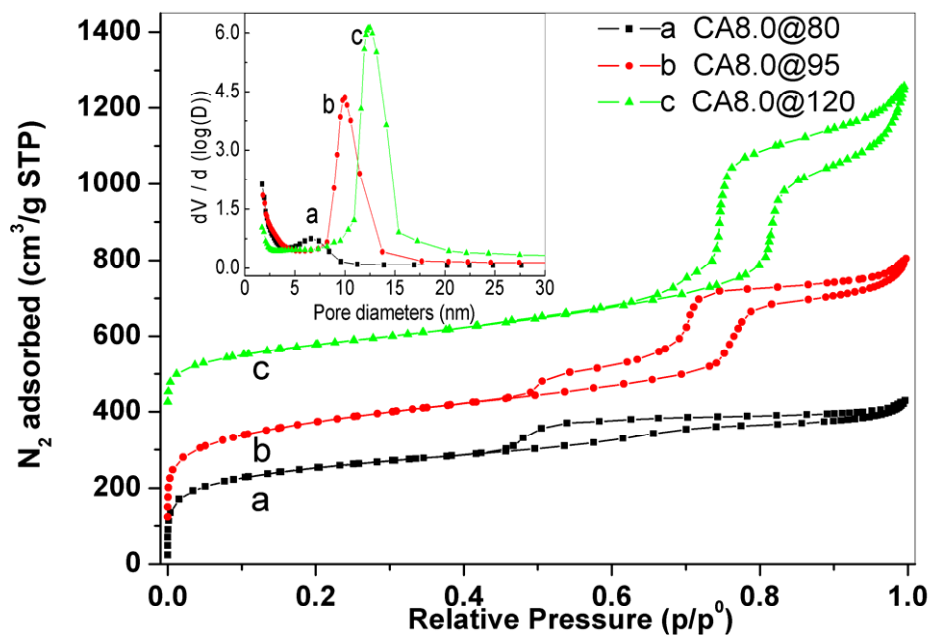


Fig. S3 Nitrogen sorption measurements of CA8.0@T series with varying aging temperatures: (a) 80°C, (b) 95°C and (a) 120°C. The inset shows the PSDs.

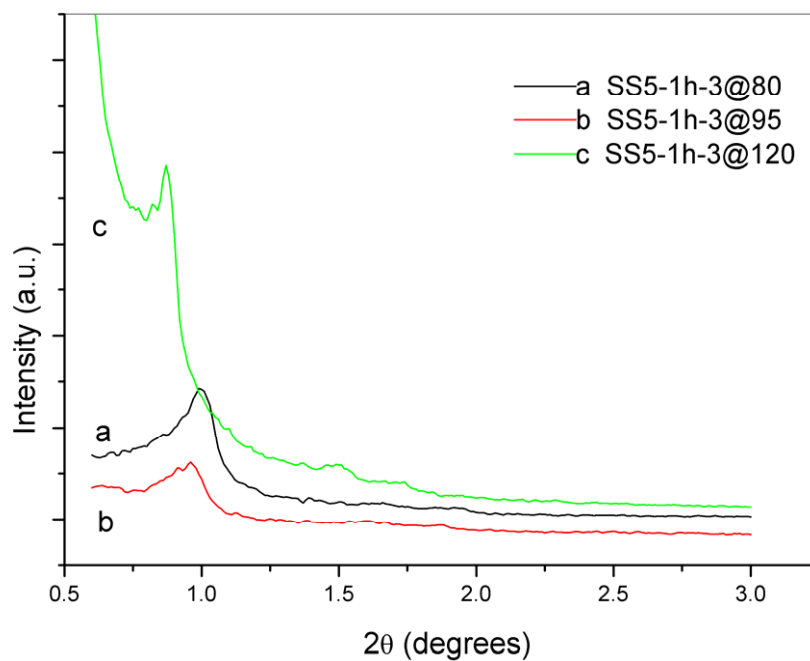


Fig.S4 XRD patterns of (a) SS5-1h-3@80, (b) SS5-1h-3@95 and (c) SS5-1h-3@120.

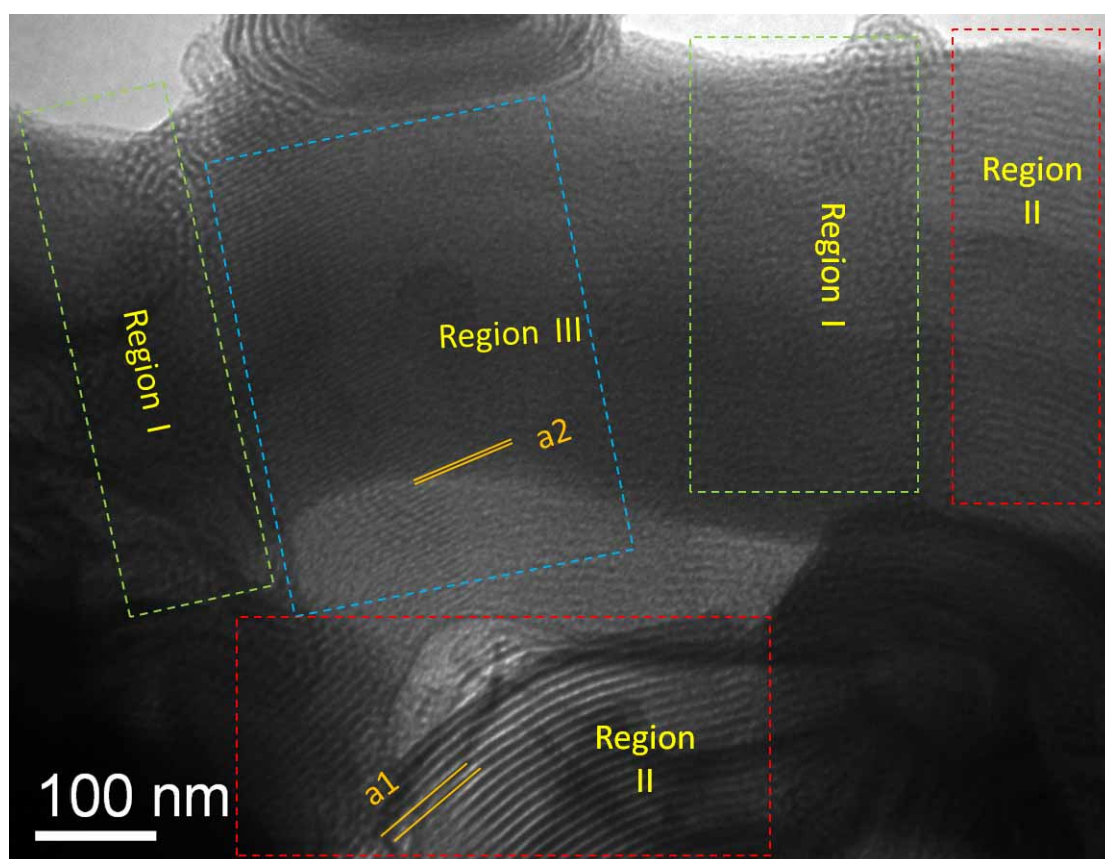


Fig.S5 TEM of SS5-1h-3@95. Region I, II and III correspond to the ill-templated, normally and non-uniformly templated mesostructures, respectively.