

Formation of Cage-like Hollow Spherical Silica via Mesoporous Structure by Calcination of Lysozyme-Silica Hybrid Particle

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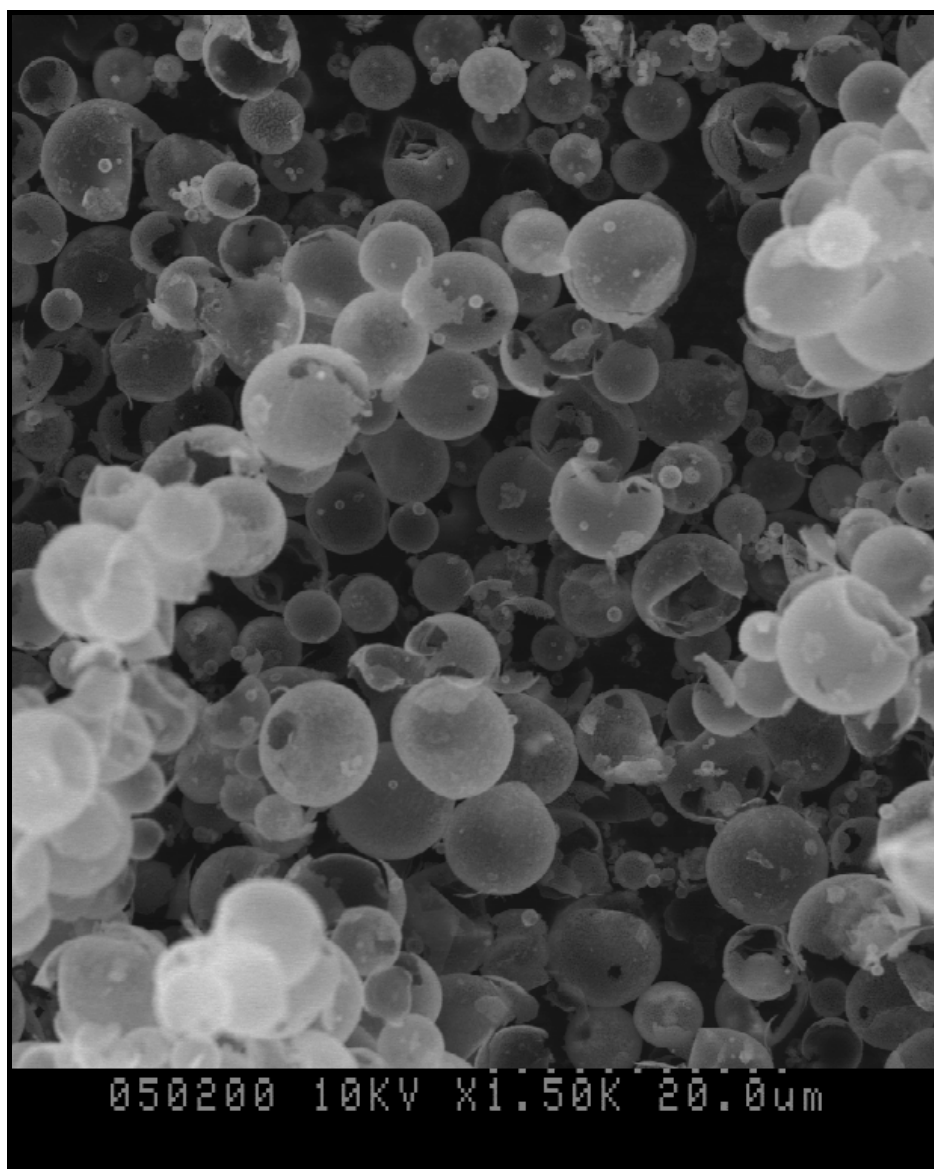


Fig. S1 Low magnification SEM image of CHS particles obtained by calcining L-SHHs (2 mg ml⁻¹ lysozyme) at 700 °C for 2h.

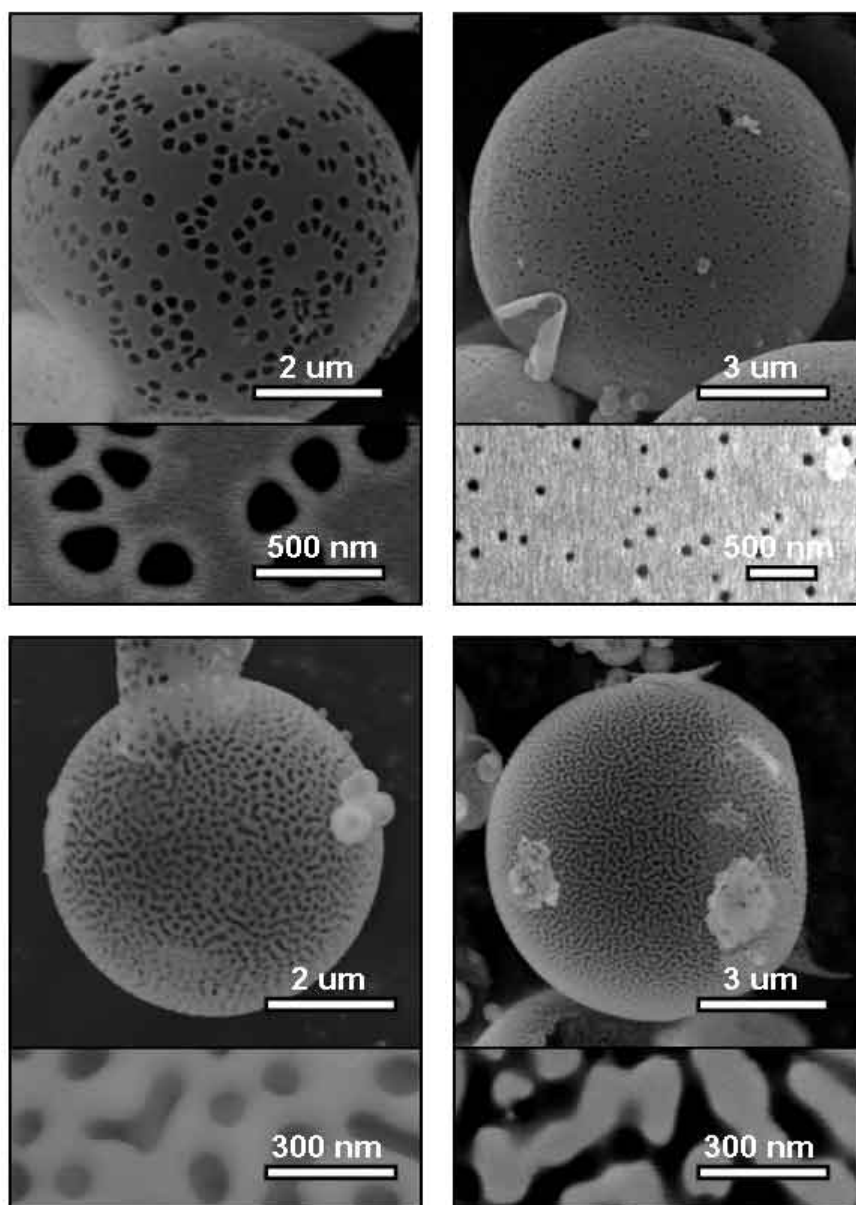


Fig. S2 SEM images of CHS with differently patterned through-holes obtained by calcining L-SHHs (2 mg ml^{-1} lysozyme) at 700°C for 2h.

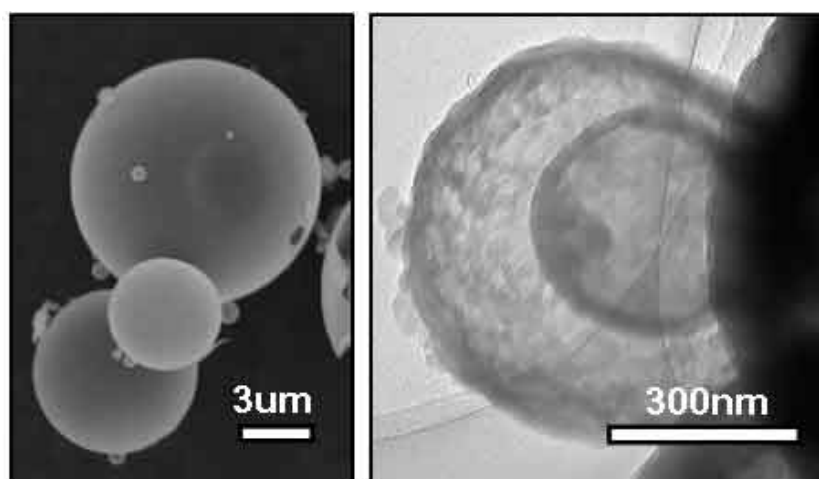
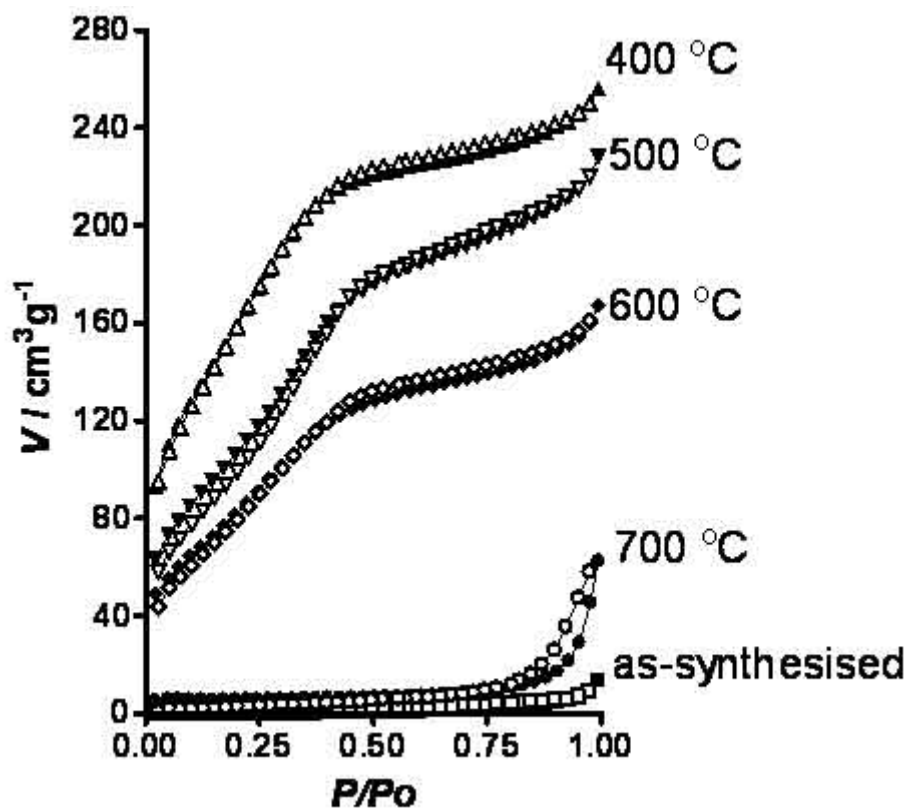


Fig. S3 SEM and TEM images of L-SHHs (2 mg ml^{-1} lysozyme) calcined for 2 h at 500°C .**Fig. S4** Nitrogen adsorption (filled symbols) and desorption (blank symbols) isotherms.**Table. S1** BET surface areas of as-synthesized L-SHHs and L-SHHs calcined at different temperature. L-SHHs were obtained with lysozyme concentration 2 mg ml^{-1} .

Calcination temperature / $^\circ\text{C}$	BET surface area / $\text{cm}^3 \text{ g}^{-1}$
As-synthesised	<5
400	621
500	420
600	338
700	17