Ordered Cubic Mesoporous Silicas with Large Pore Sizes

Synthesized via High-Temperature Route

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Supporting Figure Captions:

Figure S1 Small angle X-ray scatting patterns with vertical axis in linear form for (a) conventional SBA-16, (b) LP-SBA-16\textsubscript{180}, (c) LP-SBA-16\textsubscript{200}, and (d) LP-SBA-16\textsubscript{220} samples.

Figure S2 TEM images for (a) LP-SBA-16\textsubscript{200} and (b) LP-SBA-16\textsubscript{220} samples.

Figure S3 Pore size distribution for (a) conventional SBA-16, (b) LP-SBA-16\textsubscript{180}, (c) LP-SBA-16\textsubscript{200}, and (d) LP-SBA-16\textsubscript{220} samples based on adsorption branch (Left) and desorption branch (Right).

Figure S4 Structure illustration of myoglobin.

Figure S5 \textsuperscript{1}H NMR spectrum and assignments for triblock polymer F127 in acidic aqueous solution.

Figure S6 \textsuperscript{29}Si MAS NMR spectra of conventional SBA-16 synthesized at 100 °C for 24h.
Figure S1
Figure S2
Figure S3
Figure S4
Figure S5

$\text{HO(\text{CH}_2\text{CH}_2\text{O})_{106}(\text{HCCH}_3\text{CH}_2\text{O})_{70}(\text{CH}_2\text{CH}_2\text{O})_{106}\text{H}}$

$\text{ppm}$
Figure S6