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Supplementary information for

Silica-Free Syntheses of Hierarchically Ordered Macroporous Polymer and Carbon Monoliths with Controllable Mesoporosity

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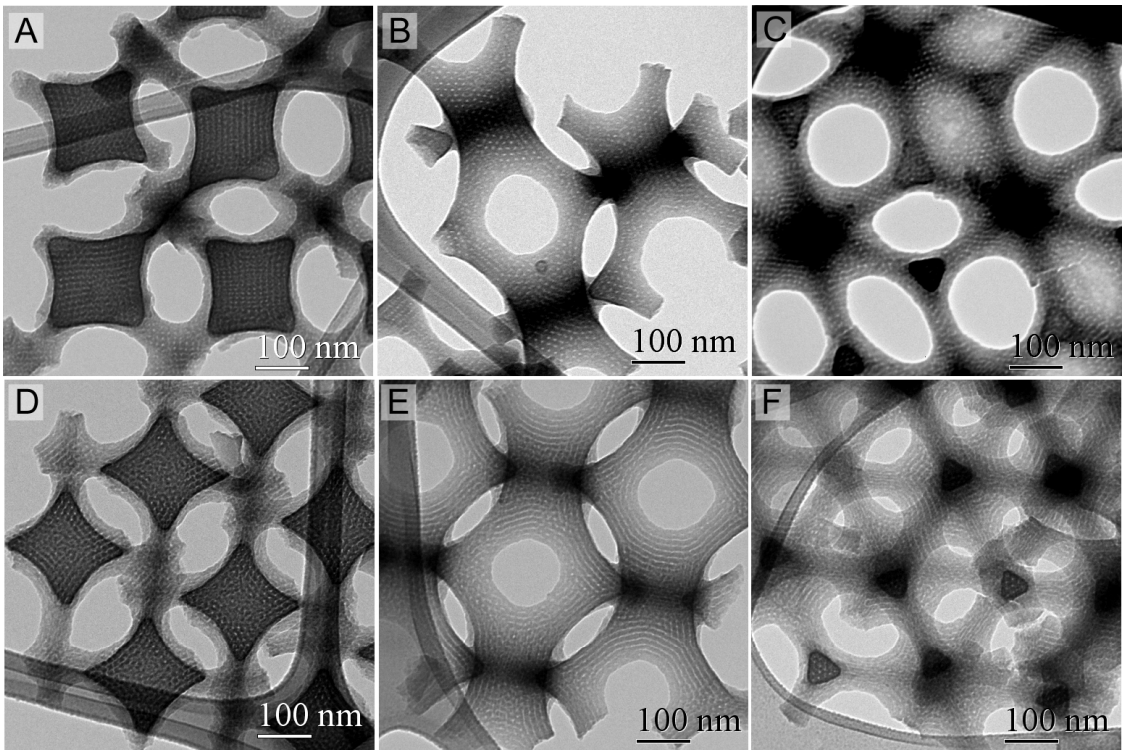

Figure S1. TEM images of 3DOM/m-cPF viewed along (A) [100], (B) [110] and (C) [111] axes of the macroporous structure. Corresponding images for 3DOM/m-hPF viewed along the above three directions are shown in panels D, E and F, respectively.

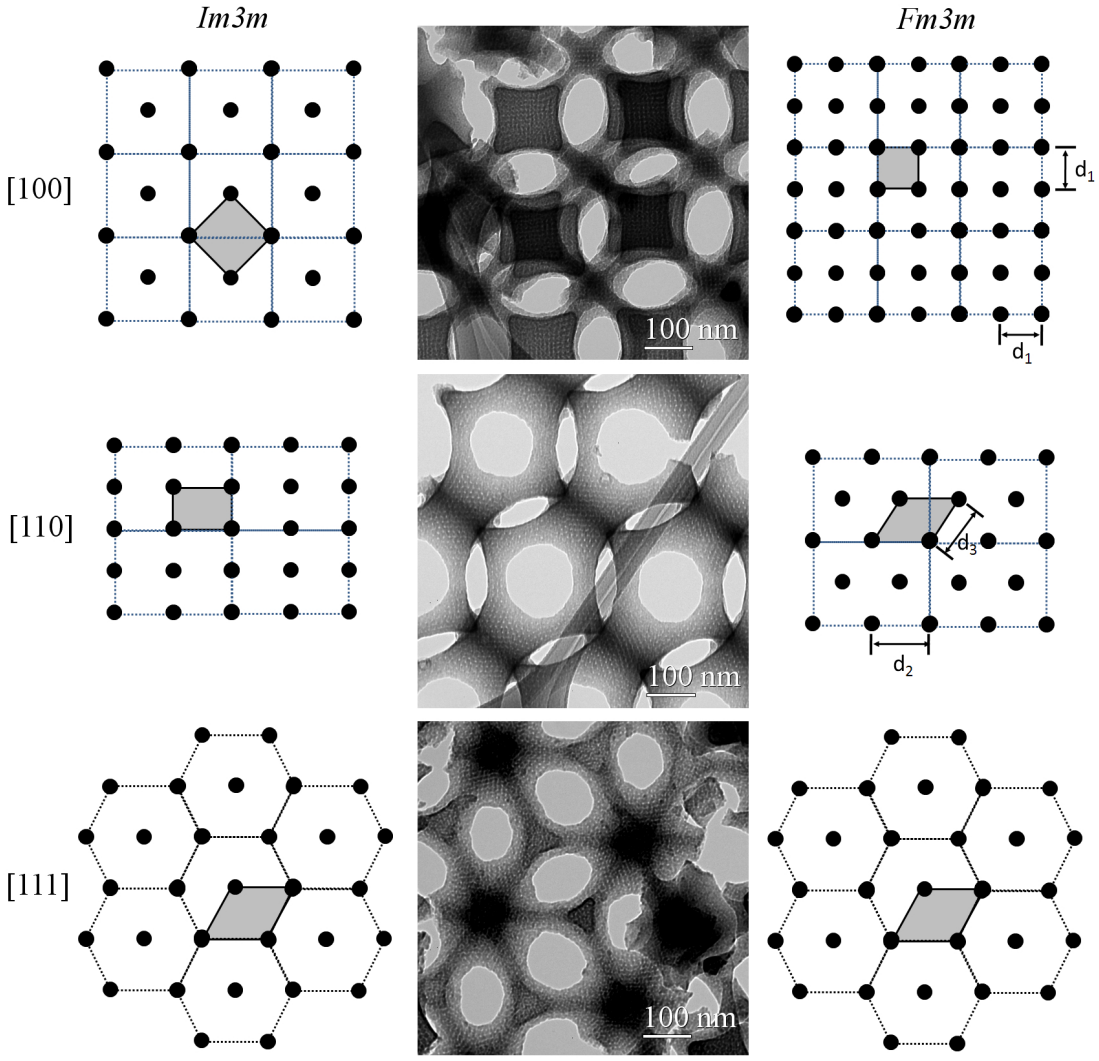

Figure S2. Comparison between TEM images of 3DOM/m-cC (middle column) and structural models for the space groups *Im3m* (left column) and *Fm3m* (right column) along the [100] axis (first row), the [110] axis (second row) and the [111] axis (third row). For the [110] direction, only the *Fm3m* model fits the TEM image.

Table S1. Measured characteristic distances between adjacent projections of mesopores viewed along different axes for 3DOM/m-cC.

axis	distance notation	distance (nm)	length w.r.t. unit cell	calculated a^1 value (nm)
[100]	d_1	10.0	$a/2$	20.0
[110]	d_2	12.9	$a/\sqrt{2}$	18.3
[110]	d_3	11.2	$\sqrt{6}a/4$	18.4

[1] "*a*" is the length of one cubic unit cell. See Figure S2 for definitions of the distances d_n (n = 1–3).
The average calculated unit cell parameter based on the *Fm3m* space group is: a = 18.9±1.0 nm.
The [111] direction was not used for these measurements because of the reduced mesopore order along this direction.