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A 3D covalent fullerene framework ...

... with a structure based on hexafunctionalized fullerene building blocks with octahedral symmetry is reported by T. Bein et al. in their Communication on page 7577 ff. Each fullerene in the highly ordered framework is separated from the next by six functional groups, and the mesoporosity is controlled by template-directed, evaporation-induced self-assembly with a block copolymer. The TEM images in the background show the periodic porous fullerene framework.

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