Supporting Information Available

In-situ Formation of CdS Nanoarrays by Pore-filling Nanoporous Templates from Degradable Block Copolymers

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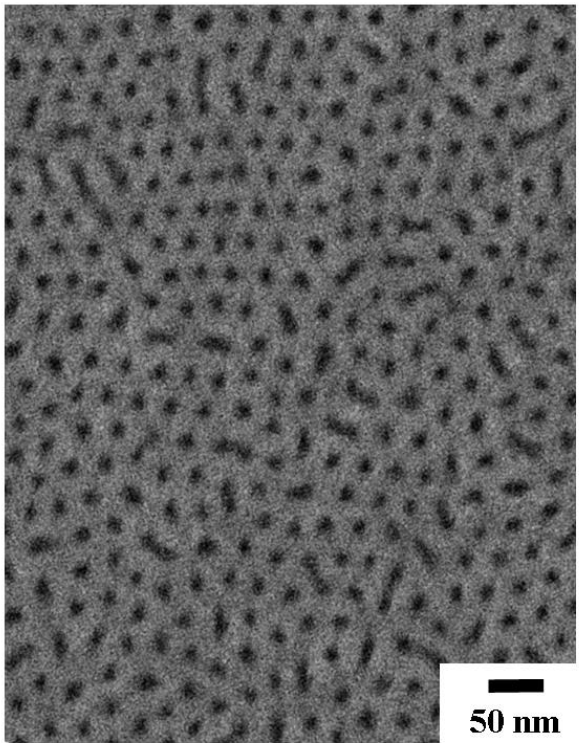

Figure S1. The top view FE-SEM image of spin-coated PS-PLLA thin film on glass after hydrolysis.

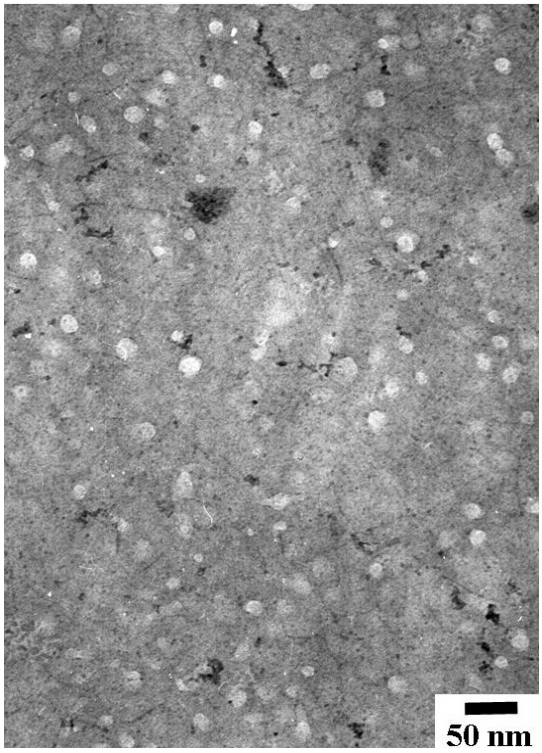

Figure S2. TEM image of templated CdS nanoarray through pore-filling process by directed capillary force (method 1). In contrast to Figure 3a, the grid was immersed into aqueous solution of $CdAc_2$.

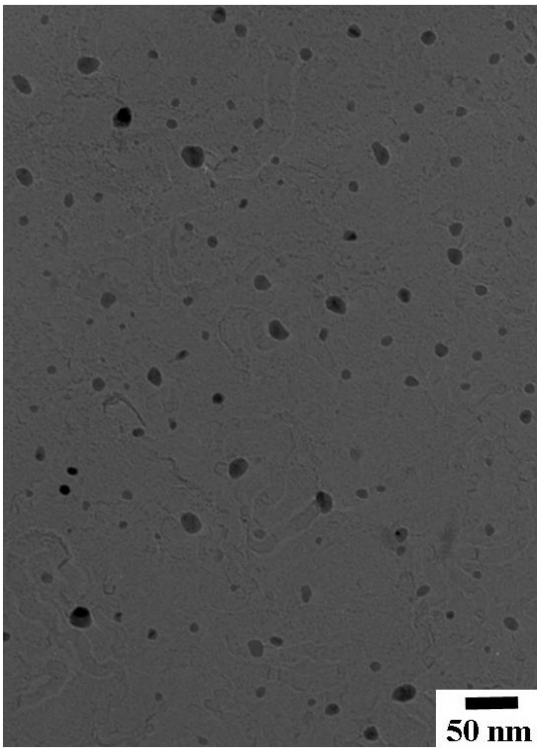

Figure S3. TEM image of CdS nanoparticles by spin coating of 0.48M $CdAc_2$ methanol solution and exposing to H_2S vapor for 2 hours.

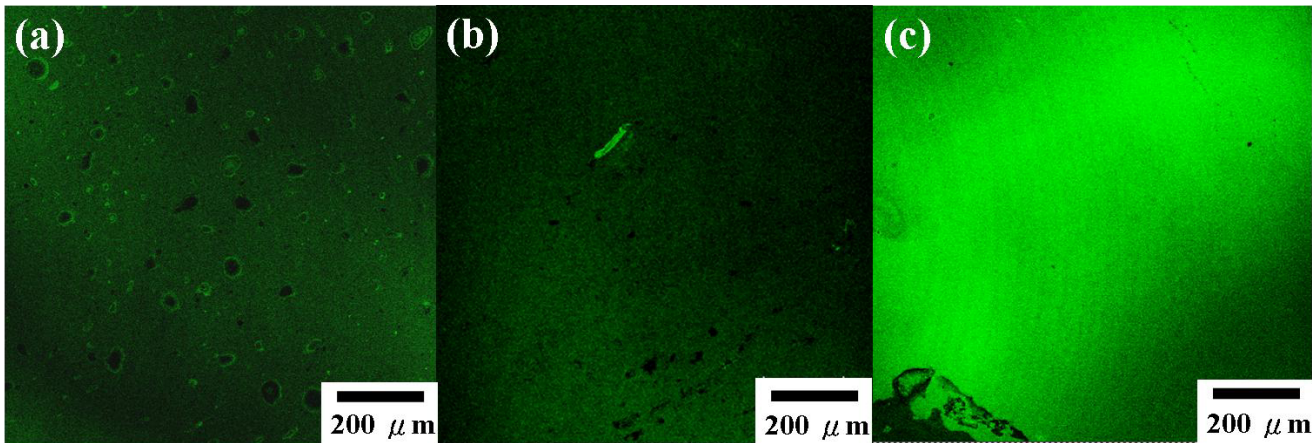

Figure S4. Confocal microscopy image (excited at 454nm and detected from 480nm to 700nm) of (a) CdS solid state; (b) pore-filling of CdS into nanoporous template by air-block releasing; (c) pore-filling of CdS into nanoporous template by direct capillary force (method 2).