

SUPPORTING INFORMATION

Fabrication of high-aspect-ratio polymer microstructures and hierarchical textures using carbon nanotube composite master molds

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Comparison of as-grown and densified CNT micropillars

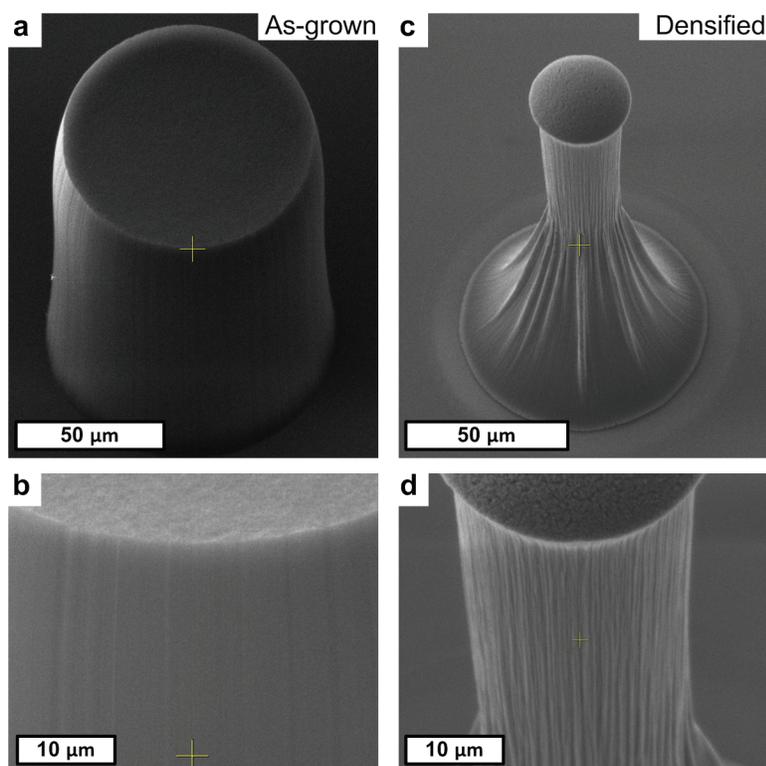


Fig. S1. SEM images of: (a) as-grown CNT micropillar and (b) closeup of top edge area; (c) densified CNT micropillar (before SU-8 infiltration) and (d) corresponding closeup. Note that the distinct random (top surface) and aligned (sidewall surface) textures that appear in the densified structure are captured in the master (Fig. 2a) as well.

Model of capillary wicking during the master formation step

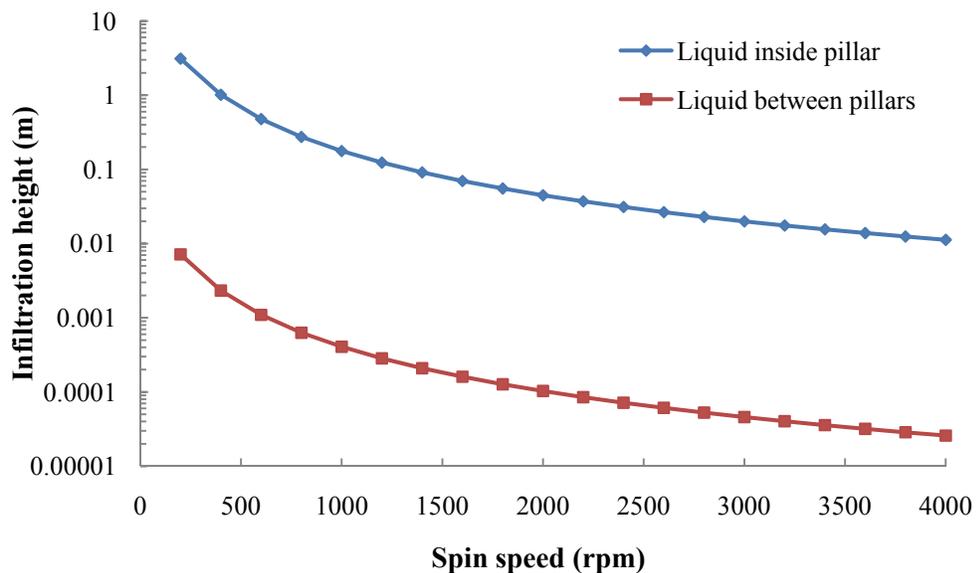


Fig S2. Predicted relationship between steady-state height of capillary rise within an individual CNT micropillar, compared to the space between a pair of CNT micropillars.