

Supporting Information

Programmable Nanoengineering Templates for Fabrication of
Three-Dimensional Nanophotonic Structures

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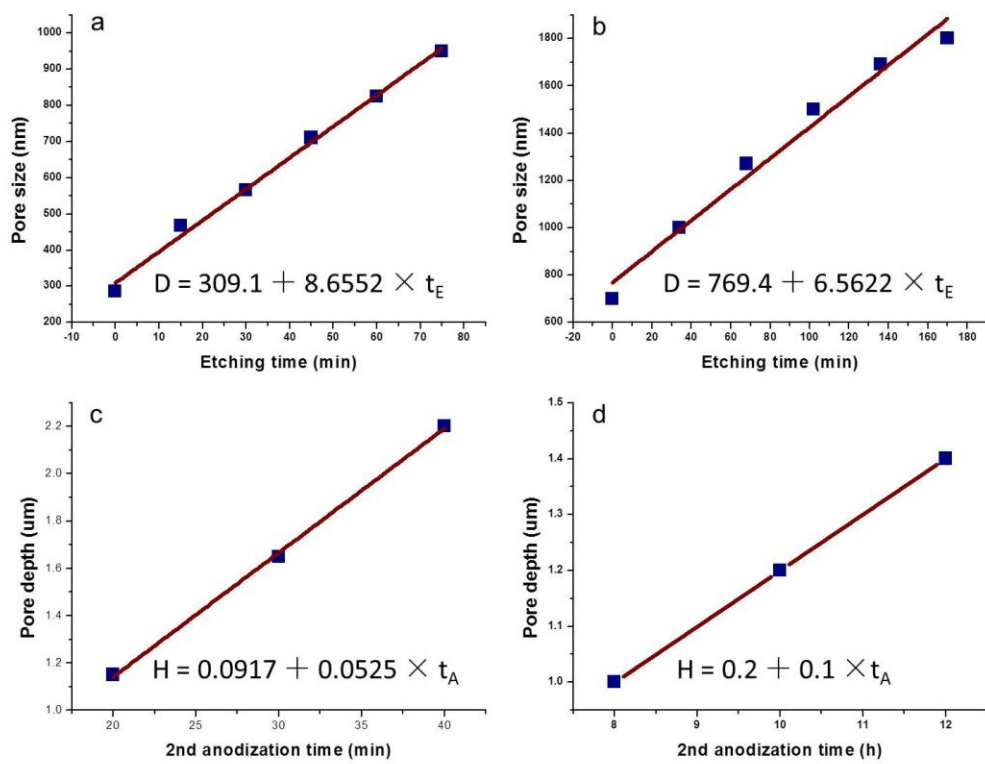


Figure S1. Pore size as a function of wet etching time in 5 wt% H₃PO₄ at 53 °C for a) 1 μm pitch and b) 2 μm pitch AAM. Pore depth as a function of 2nd anodization time for c) 1 μm pitch and d) 2 μm pitch AAM.

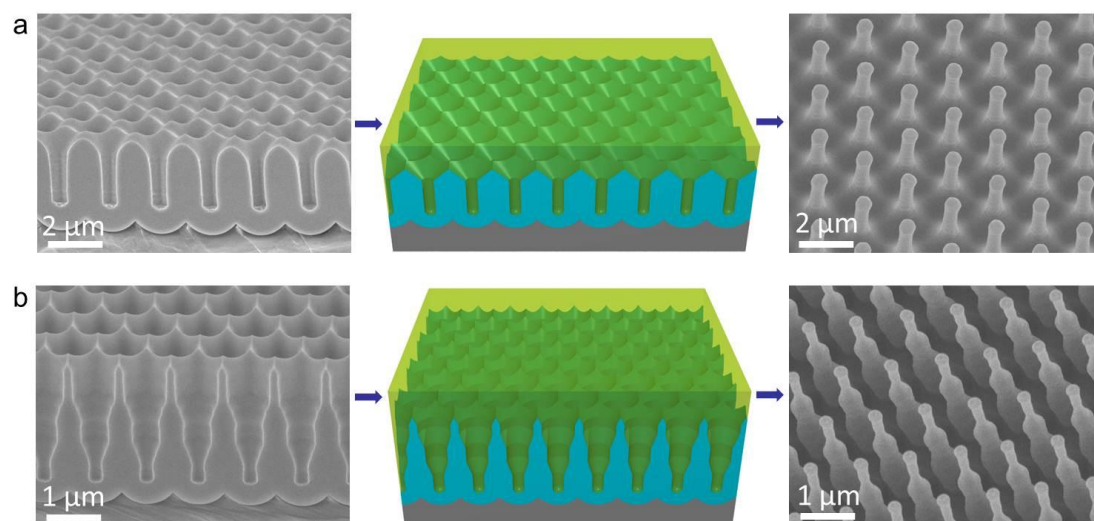


Figure S2. Thermal press process to template a) PC nanopillars and b) PC nanotowers.

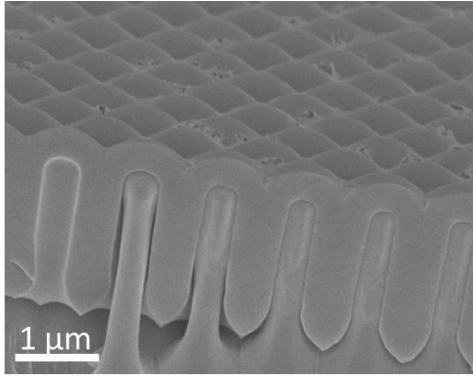


Figure S3. Cross-sectional view SEM image of PI nanopillars, showing that the beads on top of them are formed during peeling process.

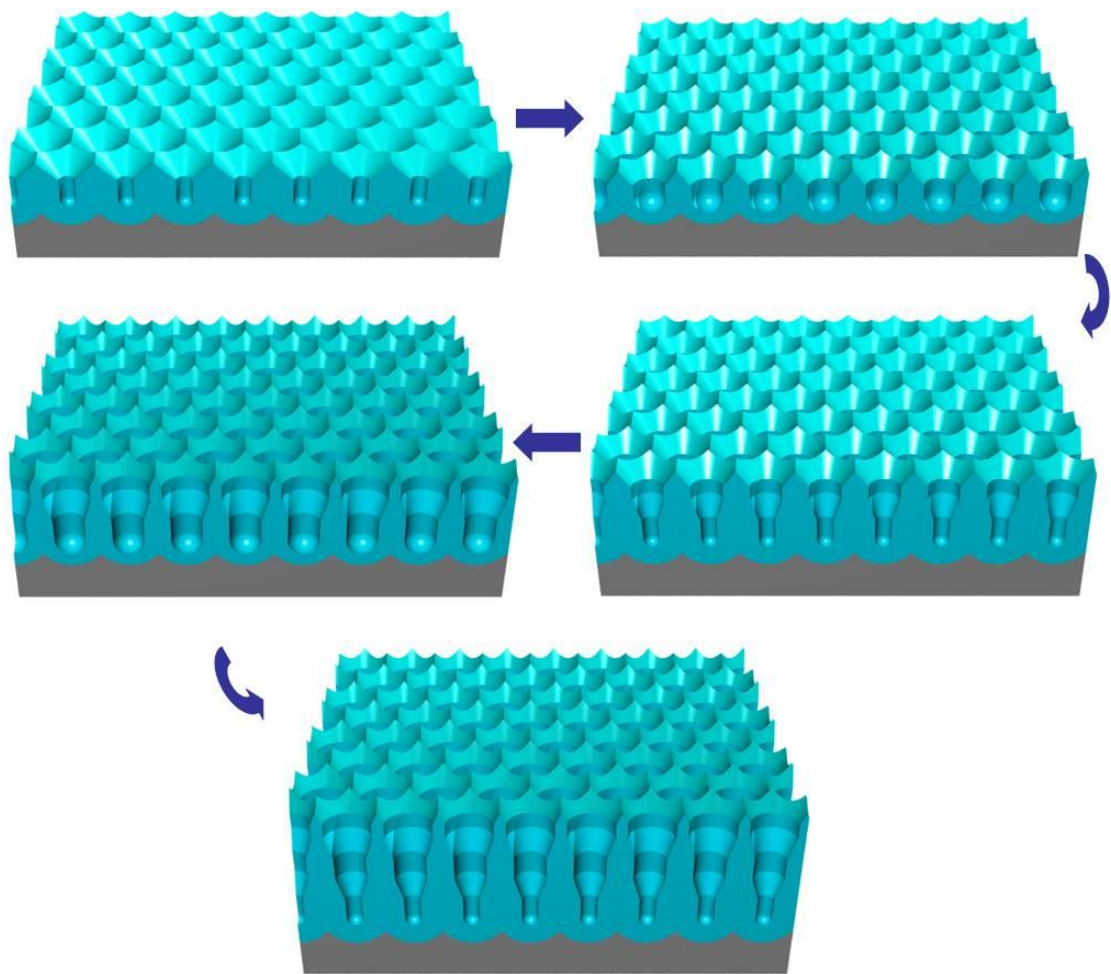


Figure S4. Schematic four-step anodization process for tri-diameter AAM, drawing from 2nd anodization.

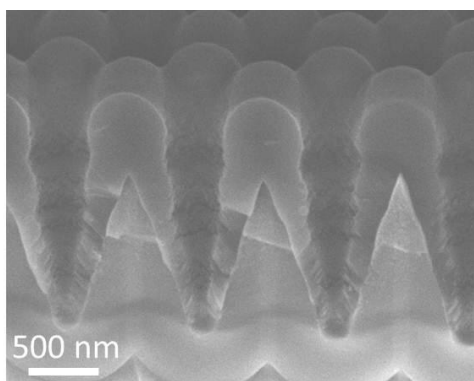


Figure S5. Cross-sectional view SEM image of a-Si nanocones embedded in AAM.