Electronic Supplementary Material (ESI) for Lab on a Chip.

Supplementary Figures

3D Nanoplasmonic Biosensor for Detection of Filopodia in Cells

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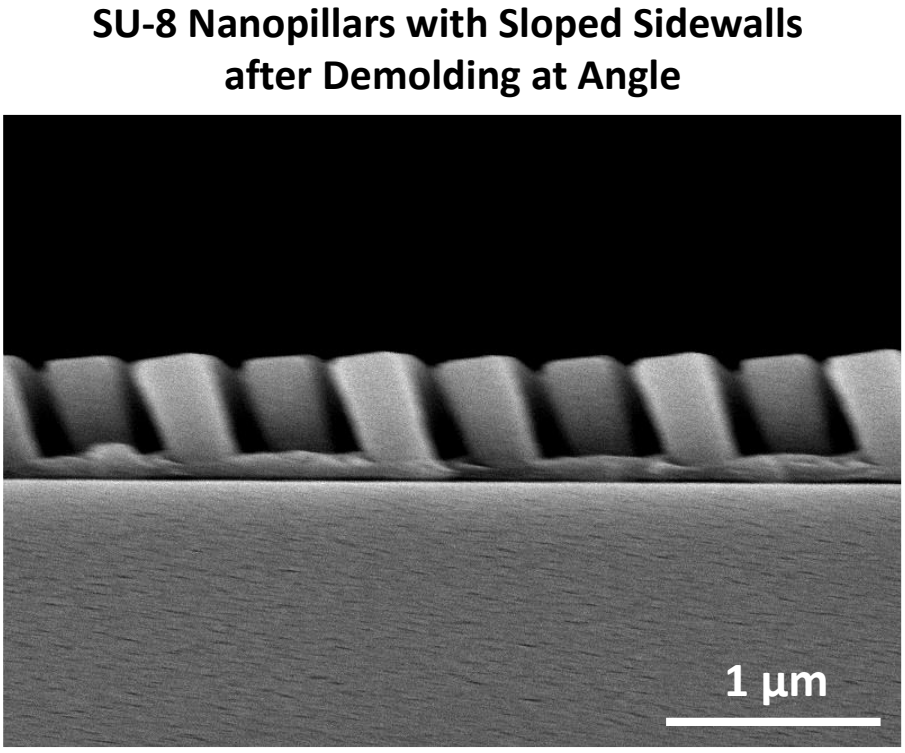
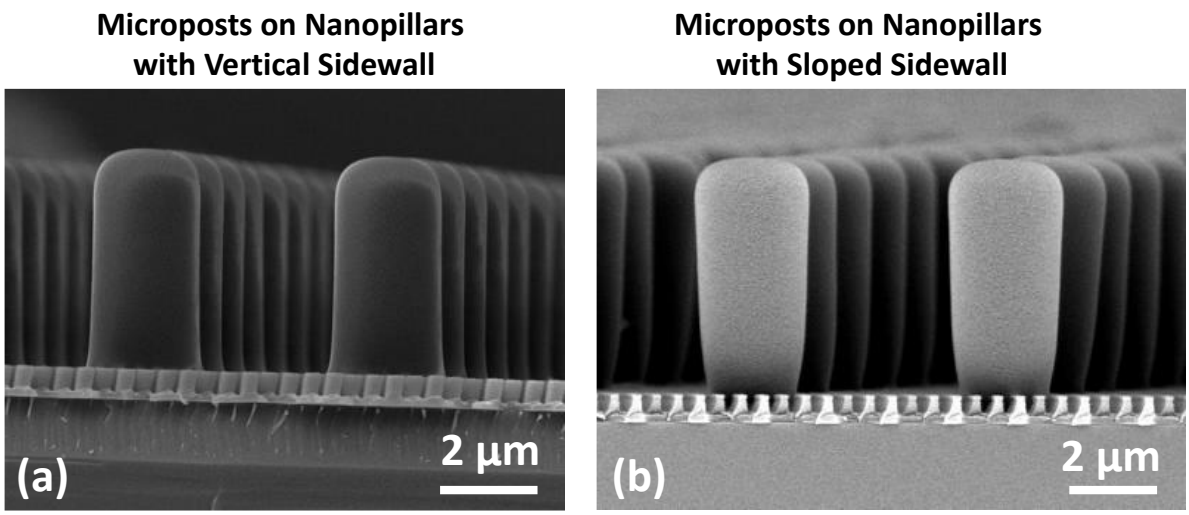
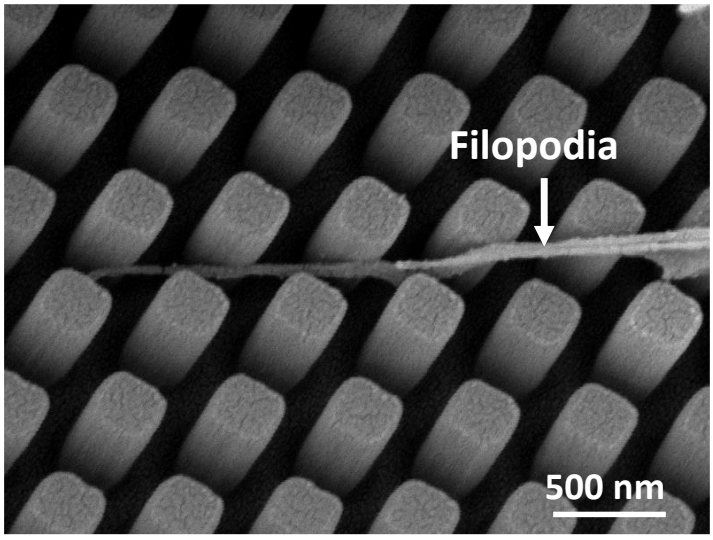


Supplementary Figure 1. Micrograph of SU-8 nanopillars with sloped sidewalls on Si after demolding at angle.



Supplementary Figure 2. Micrographs of microposts (2.2 μm dia., 3.2 μm gap, 5 μm depth) on plasmonic nanopillars with (a) vertical (280 nm width, 535 nm pitch, 500 nm depth) and (b) sloped (200 nm on top, 280 nm on bottom, 64° slope, 535 nm pitch, 360 nm depth) sidewalls.



Supplementary Figure 3. Micrograph of filopodia extended to the sidewall and bottom surface of nanopillars with 280 nm width, 535 nm pitch, and 500 nm depth.