



Supplementary Material

The Transitional Wettability on Bamboo-Leaf-Like Hierarchical-Structured Si Surface Fabricated by Microgrinding

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Table S1. Particle size conversion chart.

Grinding wheel type	Particle size (μm)
SD60	250
SD120	124
SD320	44
SD600	21
SD1200	12
SD2000	6.5
SD3000	5

Movie S1: A water droplet is split up equally by two pieces of BLHS surface.

Movie S2: The water droplet on the modified BLHS surface is totally taken away by a BLHS surface.

Movie S3: The droplet is running with the needle without volume loss.

Movie S4: The droplet on the modified BLHS surface completely self-sucks into a hollow tubing rapidly without the help of external forces.

Movie S5: The water droplet rests on the BLHS surface without self-sucking phenomenon.

Movie S6: Comparison of droplet manipulation on the BLHS surface and modified BLHS surface.