

Supporting Information for

Patterning liquids on inkjet-imprinted surfaces with highly adhesive superhydrophobicity

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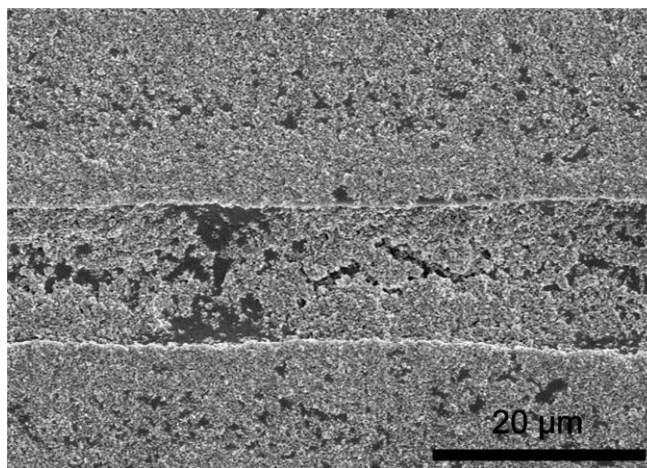


Figure S1. SEM image of a single microgroove covered with silica nanoparticles. The silica nanoparticles are uniformly distributed on the protruding surface and inside the microgroove.

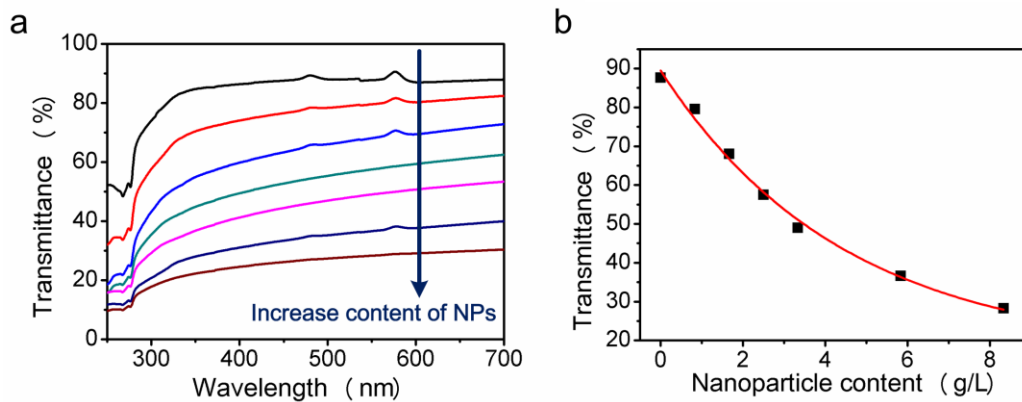


Figure S2. Influence of the content of the spin-coated nanoparticle suspensions on the transparency of the inkjet-imprinted PDMS surfaces. (a) Transmittance spectra of the inkjet-imprinted PDMS surfaces with the modification of different contents of silica nanoparticles. (b) The relationship between the transmittance at 550 nm and the nanoparticle content.

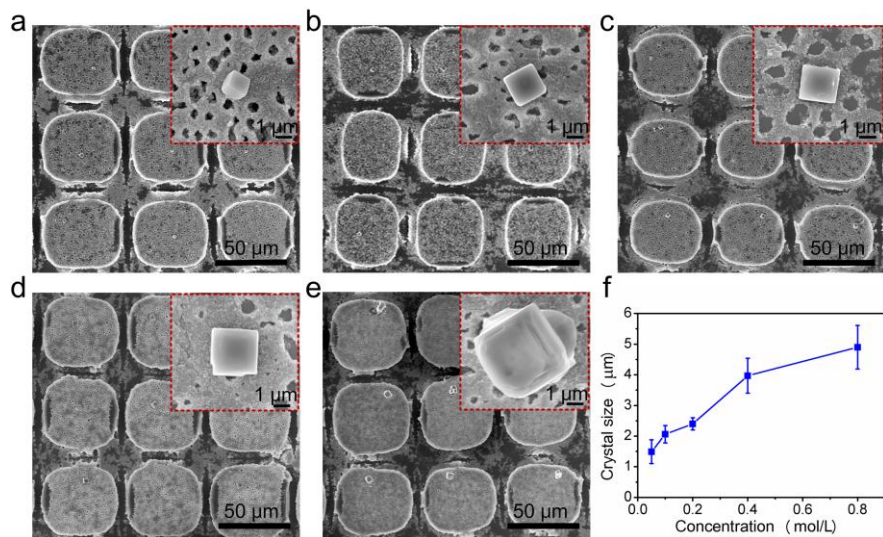


Figure S3. Influence of the NaCl solution concentration on the crystal size. The concentrations from (a) to (e) are 0.05 M, 0.1 M, 0.2 M, 0.4 M and 0.8 M, respectively. Insets in (a)-(e) are magnified SEM images of the NaCl single crystals on top of the patterns. (f) Relationship between the average crystal size and the concentration of the NaCl solutions.