

Supporting information

Facile fabrication of superhydrophilic-superhydrophobic patterned surface by inkjet printing sacrificial layer on superhydrophilic surface

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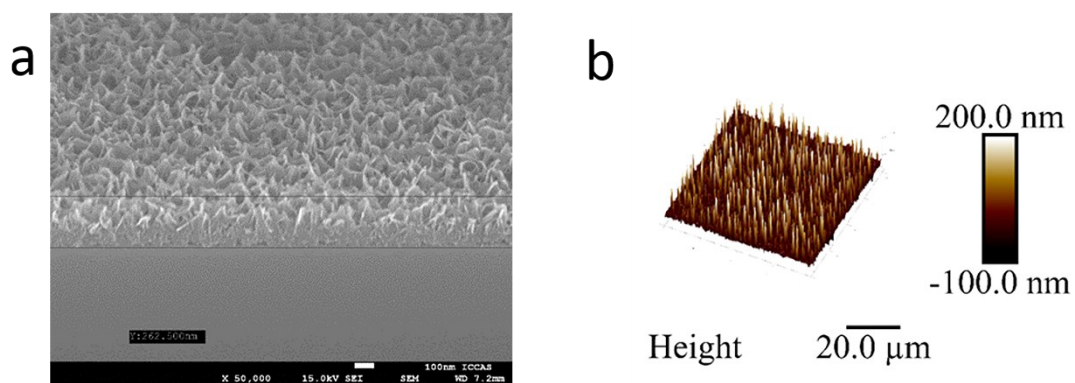


Figure S1. a) SEM image of the cross section of the superhydrophilic porous alumina substrate. b) AFM image of the superhydrophilic porous alumina substrate.

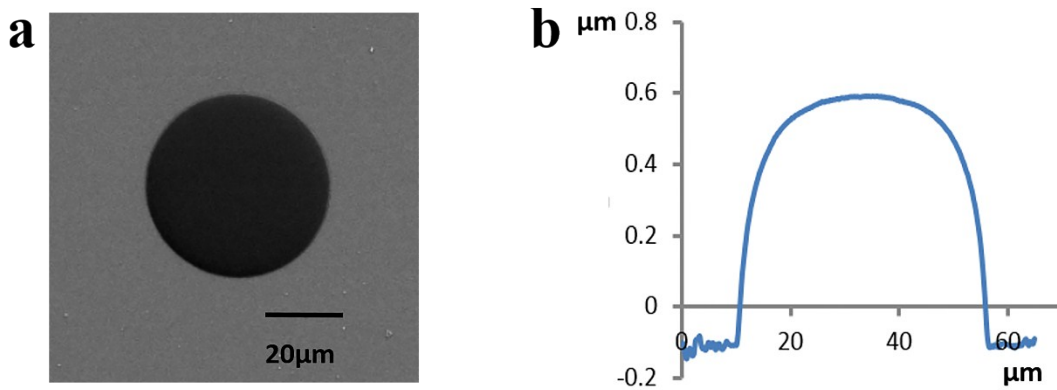


Figure S2. a) SEM image of one printed dot with 30% ink concentration. b) Height profile image of the printed dot.

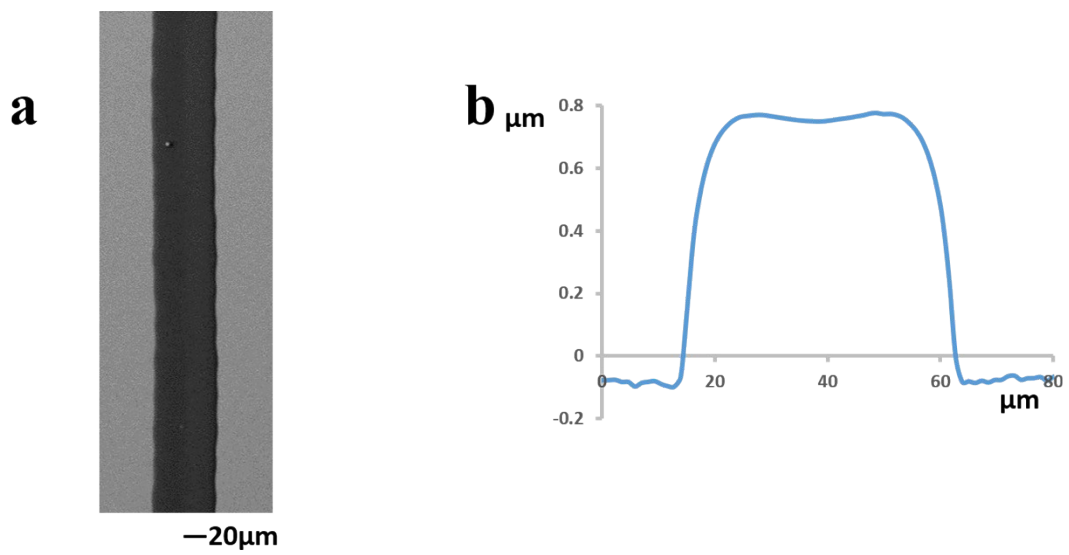


Figure S3. a) SEM image of coalesced line corresponding in Figure 4a. b) Height profile image of the coalesced line.

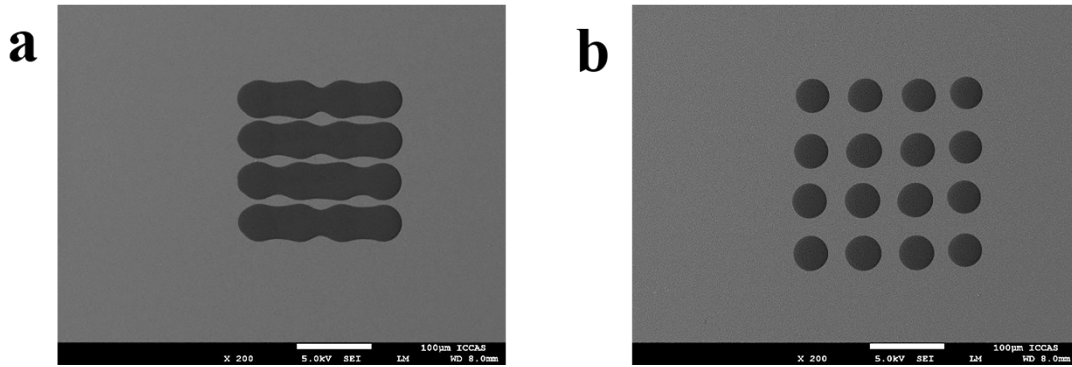


Figure S4. a) SEM image of the printed pattern with 70 μm droplet distance. b) SEM image of the printed pattern with 80 μm droplet distance.

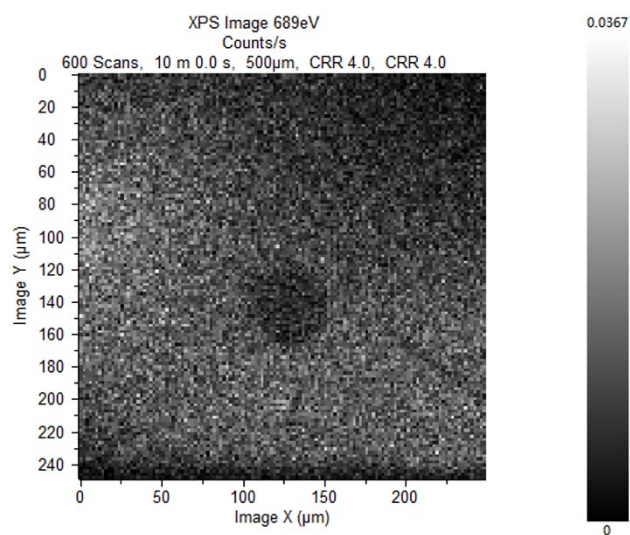


Figure S5. XPS observation of printed dot surface after modifying with the FAS and removing the printed deposit.