

Supporting Information

Fabrication of durable underoil superhydrophobic surfaces with self-cleaning and oil–water separation properties

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Movie S1 Water-repellent property of the abraded surface in oil.

Movie S2 Wettability property of the abraded surface in air.

Movie S3 Self-cleaning property of underoil superhydrophobic surface in air.

Movie S4 Self-cleaning property of underoil superhydrophobic surface in oil.

Movie S5 Oil–water separation process of the mesh (prewetted with chloroform)

before the sandpaper abrasion test.

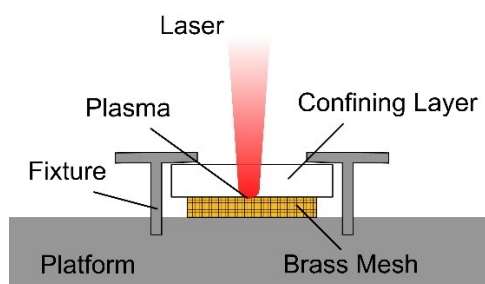


Figure S1 Schematic diagram of the fabrication of the brass mesh using laser processing technique.

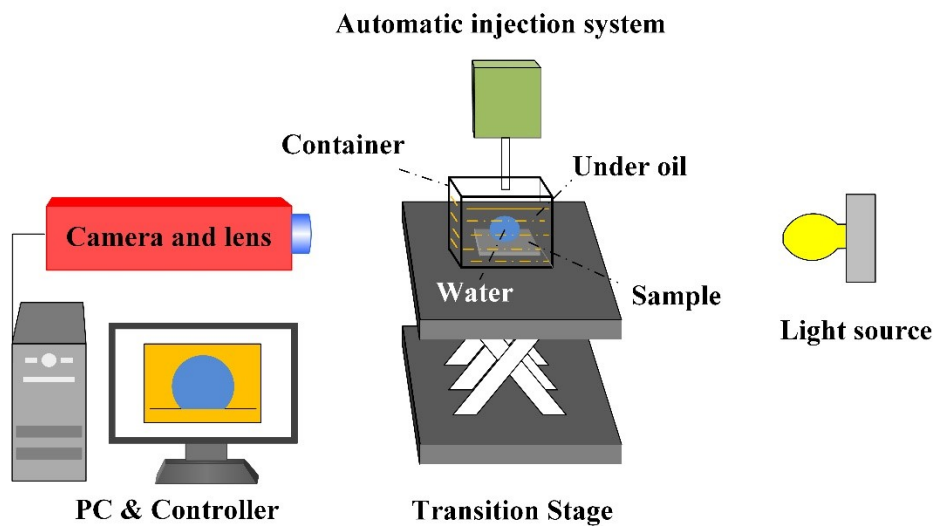


Figure S2 Schematic diagram of the wettability measurement under oil.

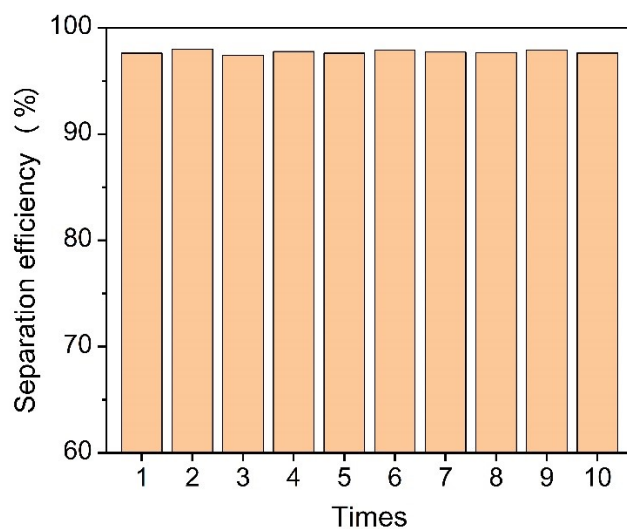


Figure S3 Separation efficiency of the abraded mesh after repeated separation of 10 times based on the underoil superhydrophobicity.