Robust superhydrophobic surfaces from small diffusion flame treatment of hydrophobic polymers

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SUPORTING INFORMATION



Figure S1: Photograph of a perfluoroacrylic coating on class slide treated with a small diffusion flame. After flame deposition, the surface was washed with a water stream (2 m/s) for a few minutes in order to remove loosely attached carbonaceous layers. The white ellipse indicates the region that was abraded by a material having Shore A hardness of 75. No loss of superhydrophobicity was seen.

Please see the video showing water droplets bouncing off the surface of this film including the abraded region.