

## Supporting Information

### **Fabrication of superhydrophobic fabrics with outstanding self-healing performance in sun lights**

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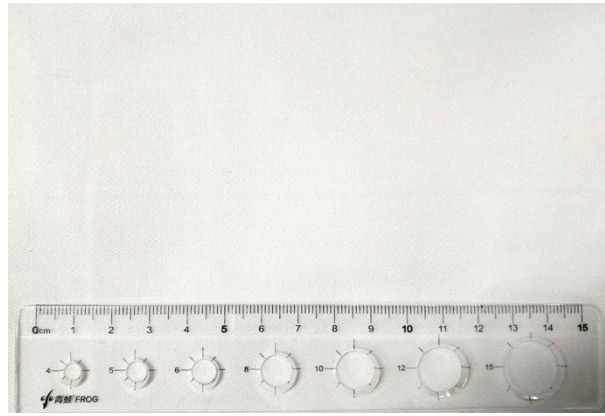
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**Video 1:** The fabric-(ODA@PDA) can float on water, and an air cushion can be observed.

**Video 2:** A water droplet can bounce off the fabric surface and rapidly roll off the surface.

**Video 3:** A jet of water with high speed can easily bounce on the fabric.



**Fig. S1** The photo image of the pristine fabric.



**Fig. S2** The water contact angle of the pristine fabric. The water contact angle of the fabric is about 46°.



**Fig. S3** The water contact angle of the fabric-(ODA@PDA) (after plasma treatment) at room temperature for one week without sun lights illumination.



**Fig. S4** The water contact angle of the fabric-(ODA@PDA) after washing (the fabric was dried under room temperature).