

Fabrication of Robust Superhydrophobic, Electrically Conductive and UV-blocking Fabrics via Layer-by-layer Assembly of Carbon Nanotube

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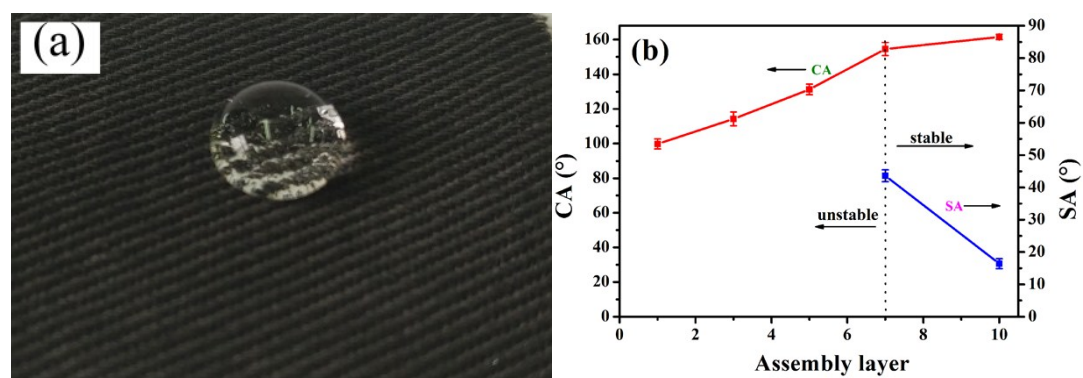


Figure S1. (a) Digital images of water droplets on PDMS/(CNTs/PDDA)₁₀ coated cotton fabric, (b) The relationship between the CA/SA of modified fabrics and number of assembly layers. The “unstable” in the figure (b) means that water droplets would spread out within few seconds.

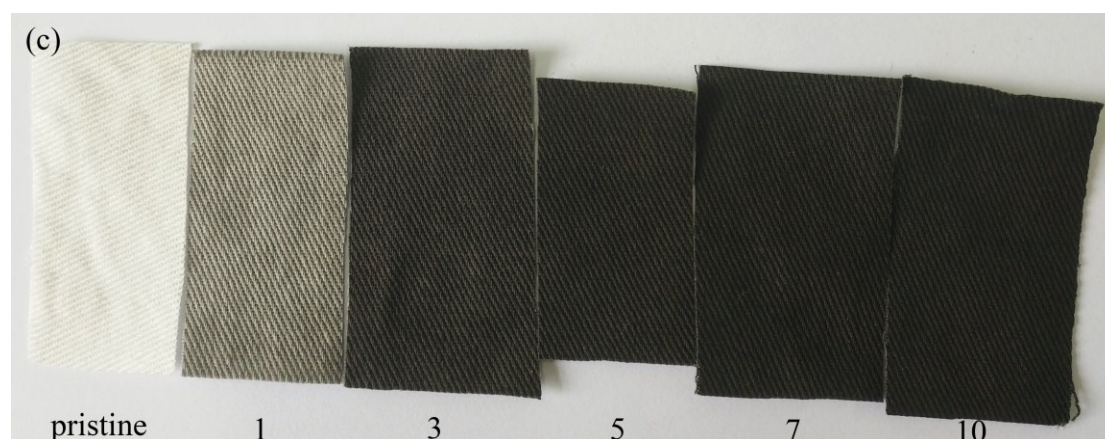
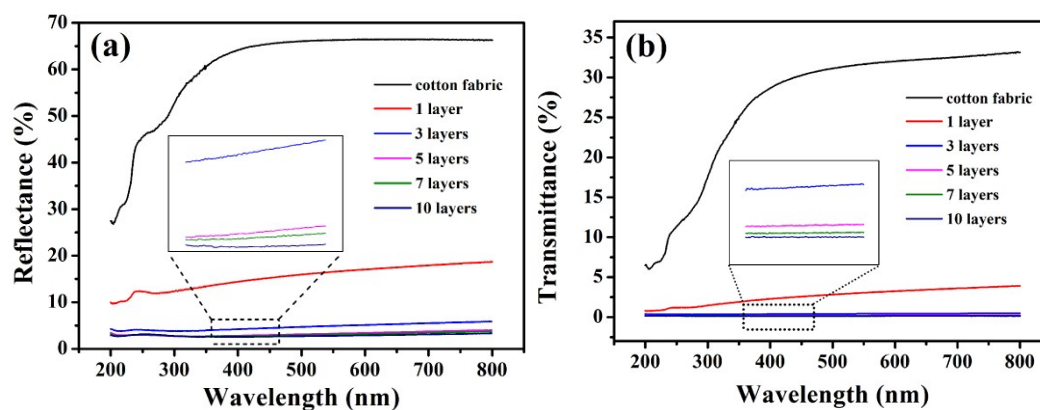


Figure S2. (a) UV-visible reflectance of pristine cotton, PDMS/(CNT/PDDA)_n coated cotton fabrics; (b) UV-visible transmittance of pristine cotton, PDMS/(CNT/PDDA)_n coated cotton fabrics. (c) Photograph of pristine cotton, PDMS/(CNT/PDDA)_n coated cotton fabrics, in which the numbers mean the LBL layers

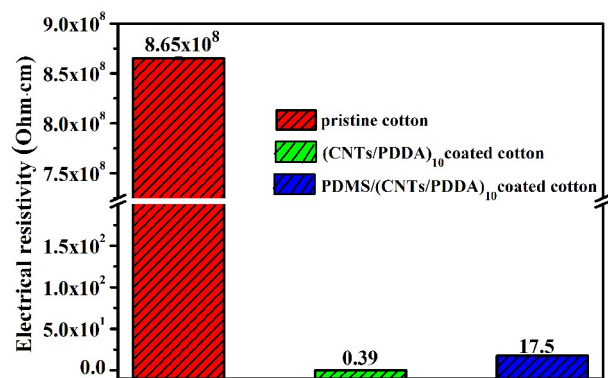


Figure S3. Electrical resistivity of pristine cotton, (CNTs/PDDA)₁₀ coated cotton, PDMS/(CNTs/PDDA)₁₀ coated cotton fabrics