

Electronic Supporting information

**Facile preparation of superamphiphobic fabric coating with  
hierarchical TiO<sub>2</sub> particles**

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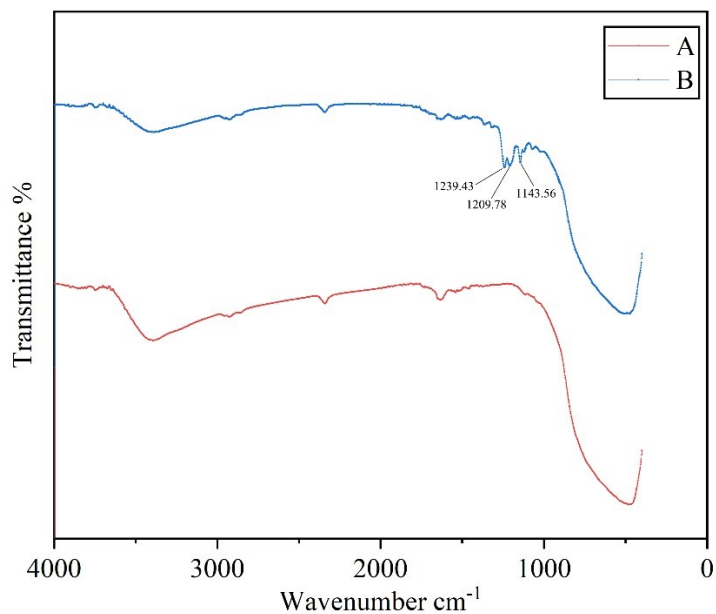


Fig. S1. FT-IR spectra of the FOTS-TiO<sub>2</sub> particles

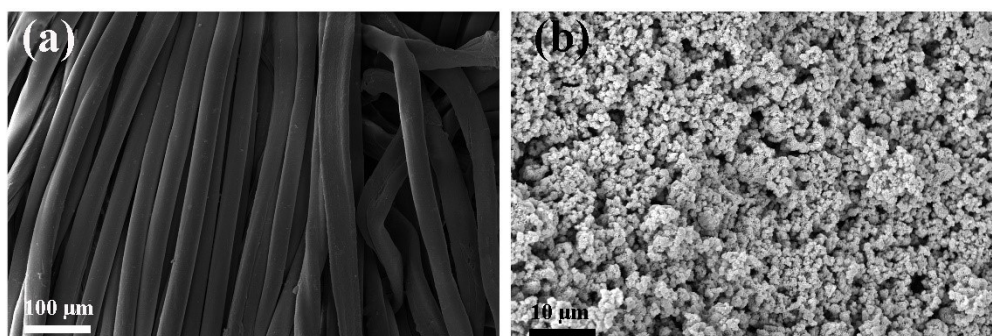


Fig. S2. SEM of (a) original cotton fabric and (b) cotton fiber surface is tightly covered by F-TiO<sub>2</sub> nanoparticles

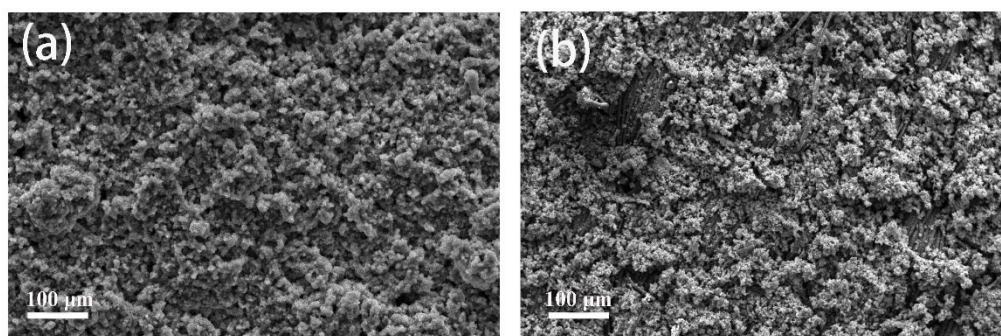


Fig. S3. SEM of (a) before and (b) after the mechanical stability test

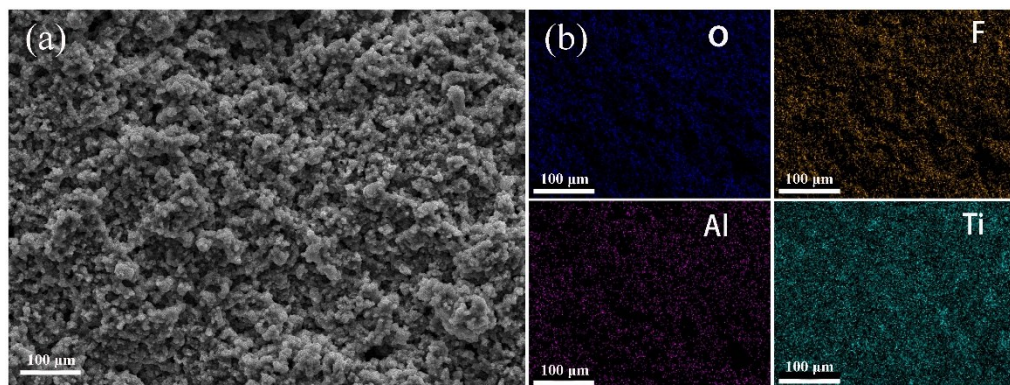


Fig. S4 (a) SEM of TiO<sub>2</sub> particles on the fabric surface and (b) Element mapping images of F- TiO<sub>2</sub> particles.

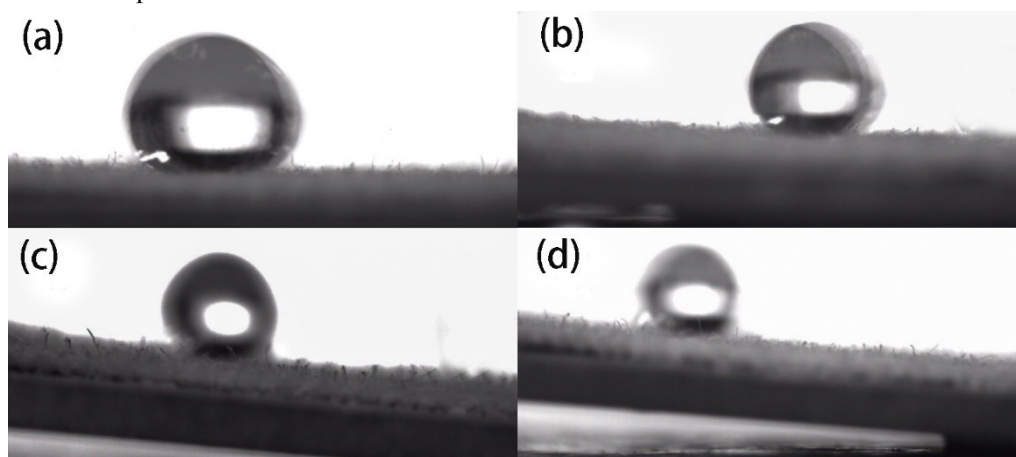


Fig. S5 The sliding angle measurements of water, rapeseed oil, glycerin and n-hexadecane, were shown in the (a, b, c, d) respectively.