Supporting Information

A robust duplex Cu/PDMS coated mesh with superhydrophobicity surface for cleaning of spilled oil applications

Jingfang Zhu, Bin Liu*

School of Materials Science and Engineering, North University of China, Taiyuan, 030051, People's Republic of China

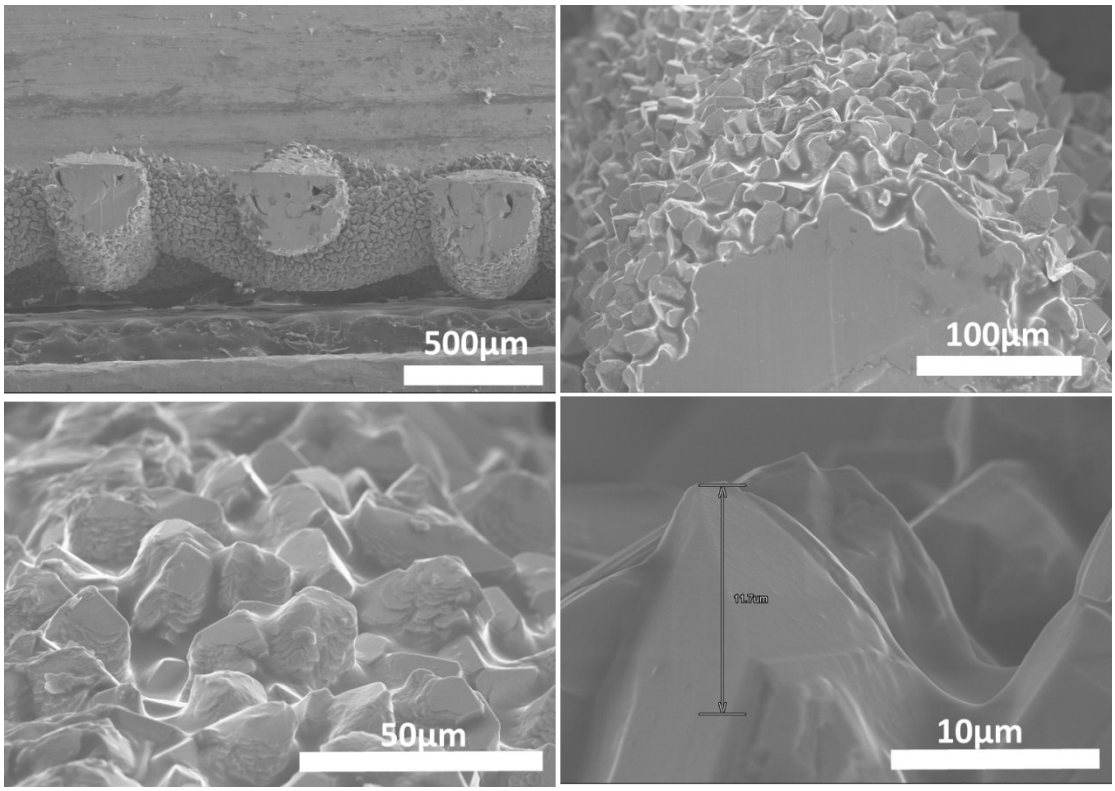

Figure S1. Cross section morphologies of the Mesh/Cu/PDMS coated

*Corresponding author. Tel: +86- 0351-3557423.
E-mail address: liubin3y@nuc.edu.cn.

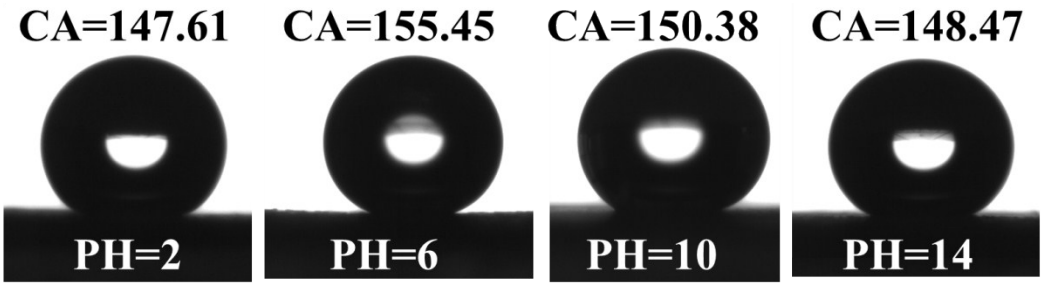

Figure S2. The contact angle of the Mesh/Cu/PDMS coated after immersion in different PH solutions for 3 days.

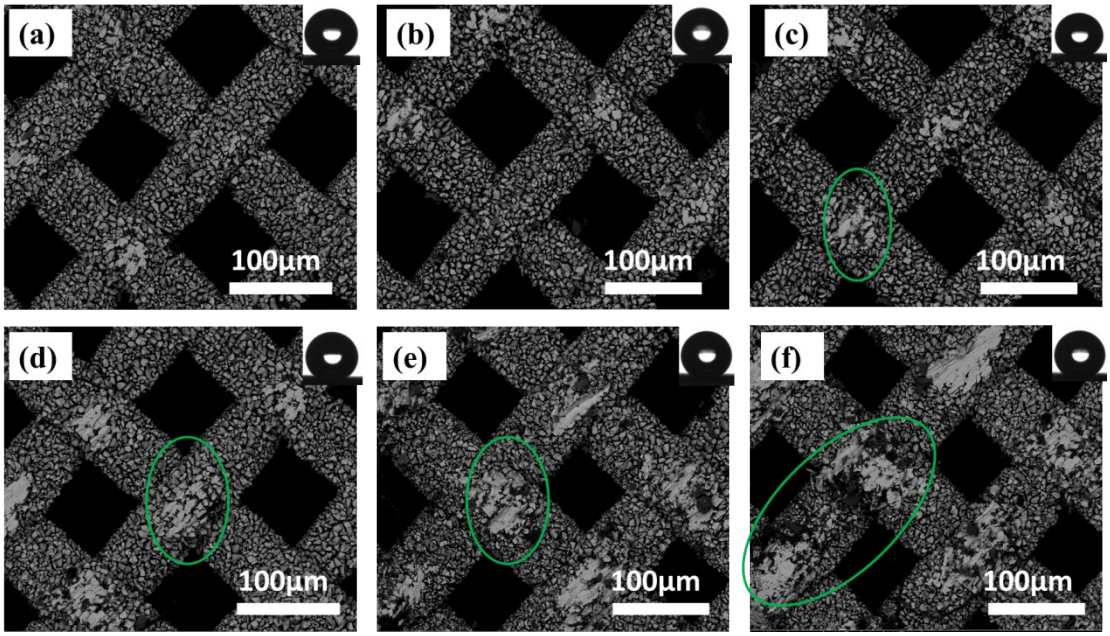

Figure S3. The SEM images and contact angles of the Mesh/Cu/PDMS coated after sandpaper abrasion cycles every abrasion test.

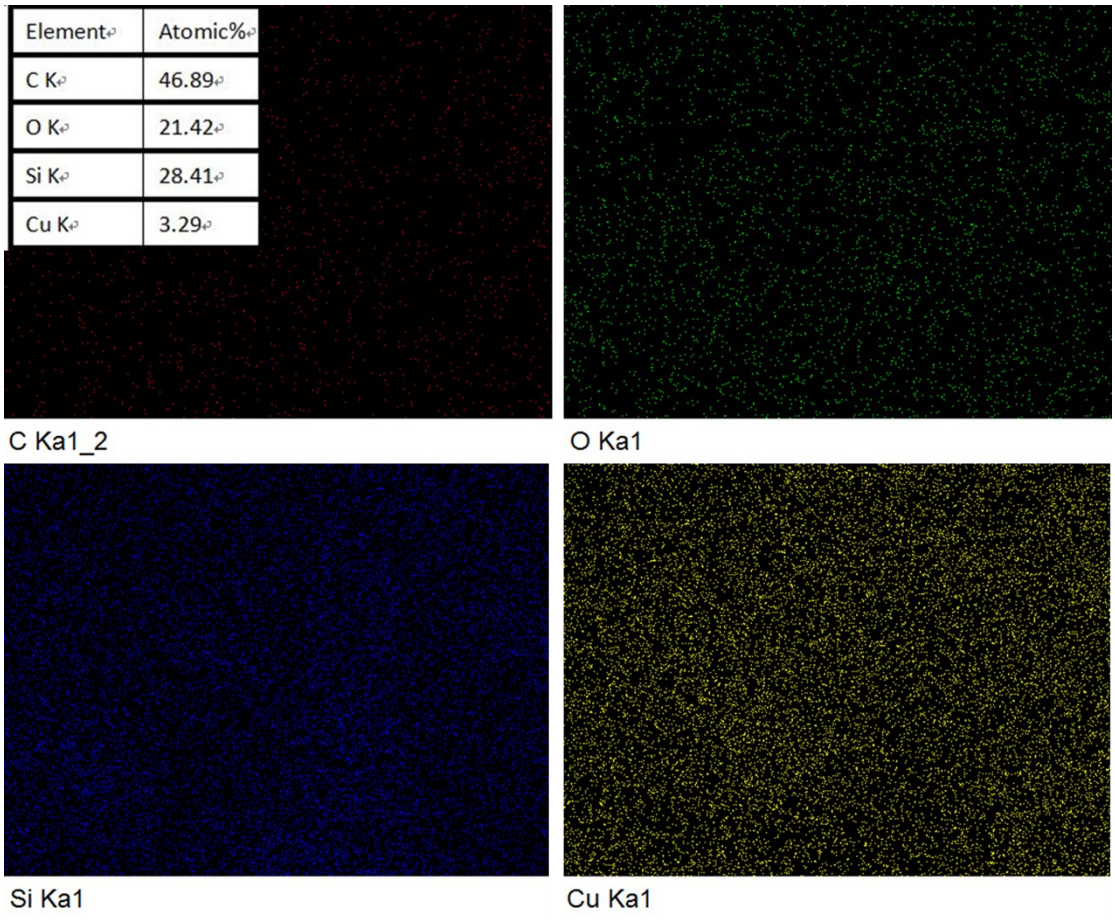

Figure S4. Chemical element mapping images of Mesh/Cu/PDMS film.

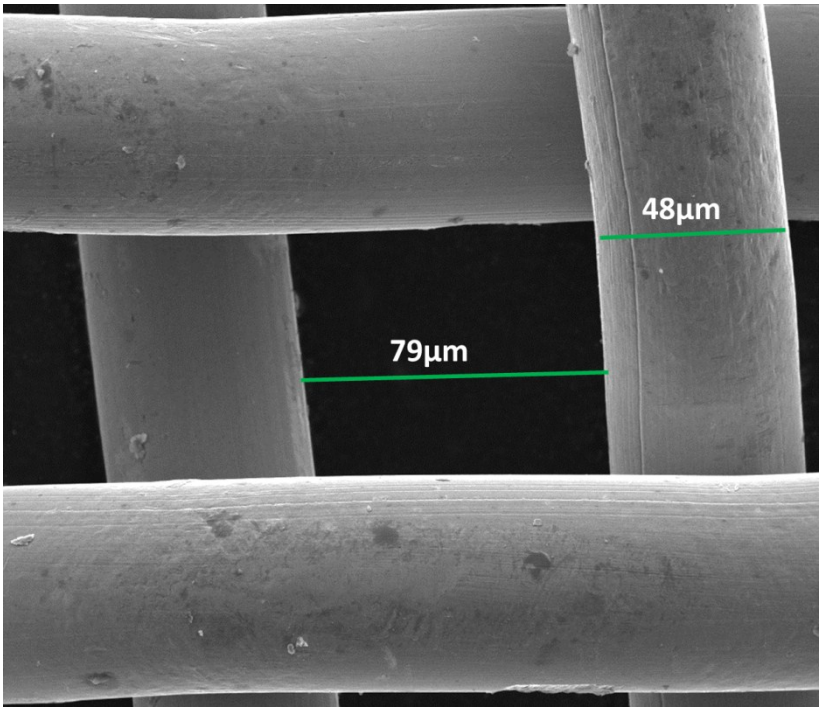

Figure S5. SEM images of uncoated.

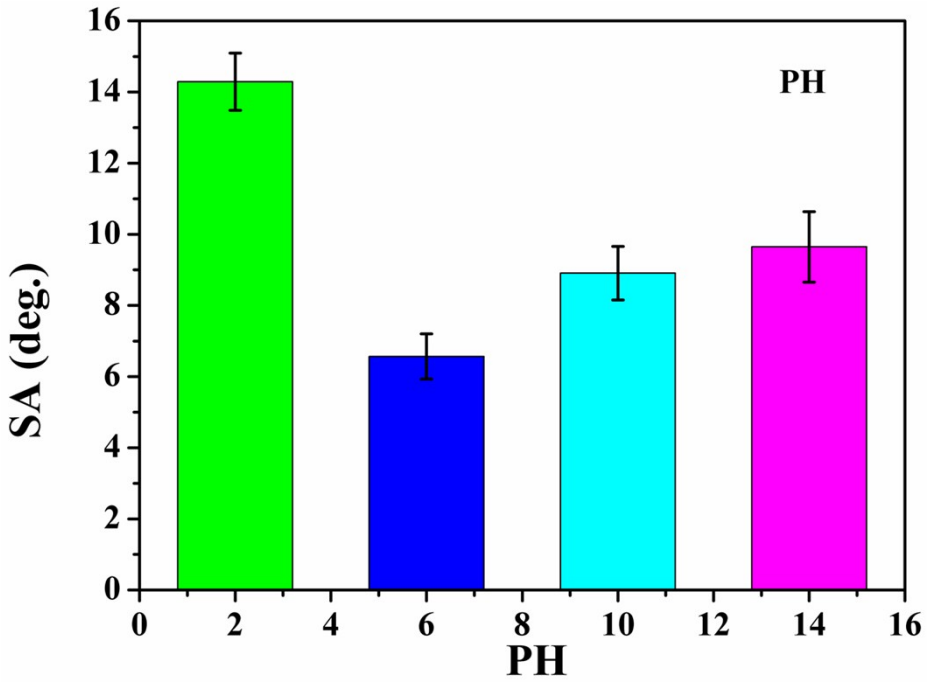

Figure S6. The SAs of the Mesh/Cu/PDMS coated after immersion in different PH solutions for 3 days