Electronic Supplementary Material (ESI) for Jouranl of Materials Chemistry A
This journal is © The Royal Society of Chemistry 2015

Electronic Supplementary Information

Robust Superhydrophobic Surfaces by Modification of Chemically Roughened Fibers via Thiol-Ene Click Chemistry

Chao-Hua Xue, *[a,b] Xiao-Jing Guo,[b] Ming-ming Zhang, [b] Jian-Zhong Ma, [b] and Shun-Tian Jia [b]

[a] College of Resource and Environment, Shaanxi University of Science and Technology, Xi'an 710021, China

[b] Shaanxi Research Institute of Agricultural Products Processing Technology, Shaanxi University of Science and Technology, Xi' an 710021, China.

E-mail: xuech@zju.edu.cn

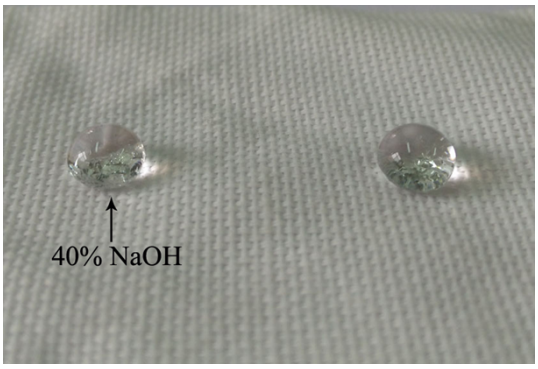

Figure S1 Photograph of 40% NaOH droplet on E-PET-S-F fabric.

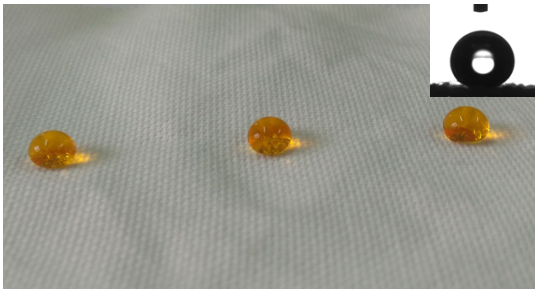

Figure S2 Photograph of dyed water on E-PET-S-F fabric after alkali etching.

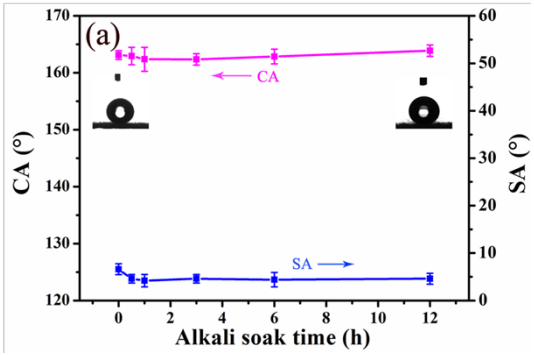

Figure S3. (a) CA and SA changes of superhydrophobic E-PET-S-F fabrics with soaking time in 40% alkali solution, (b) Photograph of dyed water droplets on E-PET-S-F fabrics after 12 h immersion in 40% alkali solution.