## Accepted Manuscript

Full Length Article

Robust multifunctional superhydrophobic fabric with UV induced reversible wettability, photocatalytic self-cleaning property, and oil-water separation via thiol-ene click chemistry

Chi Jiang, Weiqu Liu, Maiping Yang, Chunhua Liu, Sha He, Yankun Xie, Zhengfang Wang

PII: S0169-4332(18)32340-7

DOI: https://doi.org/10.1016/j.apsusc.2018.08.197

Reference: APSUSC 40234

To appear in: Applied Surface Science

Received Date: 8 July 2018
Revised Date: 22 August 2018
Accepted Date: 23 August 2018



Please cite this article as: C. Jiang, W. Liu, M. Yang, C. Liu, S. He, Y. Xie, Z. Wang, Robust multifunctional superhydrophobic fabric with UV induced reversible wettability, photocatalytic self-cleaning property, and oil-water separation via thiol-ene click chemistry, *Applied Surface Science* (2018), doi: https://doi.org/10.1016/j.apsusc. 2018.08.197

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **ACCEPTED MANUSCRIPT**

Robust multifunctional superhydrophobic fabric with UV induced reversible wettability, photocatalytic self-cleaning property, and oil-water separation via thiol-ene click chemistry

Chi Jiang<sup>a,b,c</sup>, Weiqu Liu<sup>a,b,\*</sup>, Maiping Yang<sup>a,b,c</sup>, Chunhua Liu<sup>a,b,c</sup>, Sha He<sup>a,b,c</sup>, Yankun Xie<sup>a,b,c</sup>, Zhengfang Wang<sup>a,b</sup>

<sup>a</sup>Guangzhou Institute of Chemistry, Chinese Academy of Sciences, Guangzhou 510650, China

<sup>b</sup>Key Laboratory of Cellulose and Lignocellulosics Chemistry, Chinese Academy of Sciences, Guangzhou 510650, China

<sup>c</sup>University of Chinese Academy of Sciences, Beijing 100049, China

\*Corresponding author:

E-mail: liuwq@gic.ac.cn

Postal address: Prof. Weiqu Liu, Guangzhou Institute of Chemistry, Chinese

Academy of Sciences, Guangzhou 510650, China

Tel.: +86-20-85231269

Fax: +86-20-85231269

## Download English Version:

## https://daneshyari.com/en/article/8955234

Download Persian Version:

https://daneshyari.com/article/8955234

<u>Daneshyari.com</u>