

## Accepted Manuscript

Bioinspired one-step construction of hierarchical superhydrophobic surfaces for oil/water separation

Ni Wang, Yanbing Wang, Bin Shang, Peihua Wen, Bo Peng, Ziwei Deng

PII: S0021-9797(18)30812-9  
DOI: <https://doi.org/10.1016/j.jcis.2018.07.056>  
Reference: YJCIS 23847

To appear in: *Journal of Colloid and Interface Science*

Received Date: 17 May 2018  
Revised Date: 12 July 2018  
Accepted Date: 14 July 2018

Please cite this article as: N. Wang, Y. Wang, B. Shang, P. Wen, B. Peng, Z. Deng, Bioinspired one-step construction of hierarchical superhydrophobic surfaces for oil/water separation, *Journal of Colloid and Interface Science* (2018), doi: <https://doi.org/10.1016/j.jcis.2018.07.056>

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.



# Bioinspired one-step construction of hierarchical superhydrophobic surfaces for oil/water separation

Ni Wang <sup>a</sup>, Yanbing Wang <sup>a</sup>, Bin Shang <sup>a</sup>, Peihua Wen <sup>a</sup>, Bo Peng <sup>b,\*</sup>, Ziwei Deng <sup>a,\*</sup>

<sup>a</sup> Key Laboratory of Applied Surface and Colloid Chemistry, National Ministry of Education, Shaanxi Key Laboratory for Advanced Energy Devices, Shaanxi Engineering Lab for Advanced Energy Technology, School of Materials Science and Engineering, Shaanxi Normal University, Xi'an, 710119, China.

<sup>b</sup> Department of Chemistry, Physical and Theoretical Chemistry Laboratory, University of Oxford, South Parks Road, Oxford OX1 3QZ, United Kingdom.

Corresponding authors:

\* Dr. Ziwei Deng, Tel:+86-29-81530804. E-mail: zwdeng@snnu.edu.cn

\* Dr. Bo Peng, Tel: +44-1865285417. E-mail: pengbo006@gmail.com

Download English Version:

<https://daneshyari.com/en/article/6989412>

Download Persian Version:

<https://daneshyari.com/article/6989412>

[Daneshyari.com](https://daneshyari.com)