

Accepted Manuscript

Title: Bioinspired Silica-based Superhydrophobic Materials

Authors: Pan Tian, Zhiguang Guo

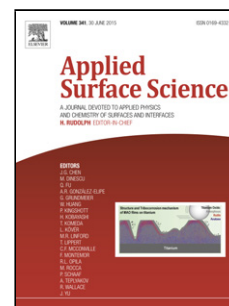
PII: S0169-4332(17)32126-8
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2017.07.134>
Reference: APSUSC 36668

To appear in: *APSUSC*

Received date: 9-3-2017
Revised date: 5-6-2017
Accepted date: 16-7-2017

Please cite this article as: Pan Tian, Zhiguang Guo, Bioinspired Silica-based Superhydrophobic Materials, Applied Surface Science <http://dx.doi.org/10.1016/j.apsusc.2017.07.134>

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 Silica-based Superhydrophobic Materials

Pan Tian,^{†,‡} and Zhiguang Guo,^{*,†,‡}

[†]Hubei Collaborative Innovation Centre for Advanced Organic Chemical Materials and Ministry of Education Key Laboratory for the Green Preparation and Application of Functional Materials, Hubei University, Wuhan, People's Republic of China.

[‡]State Key Laboratory of Solid Lubrication, Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, Lanzhou, People's Republic of China.

*Corresponding author. Tel: 0086-931-4968105; Fax: 0086-931-8277088. Email address: zguo@licp.cas.cn (Guo)

Graphic Abstract



Inspired by creatures in nature, lots of studies on superhydrophobic materials have been carried out, and silica-based materials with different sizes and morphology play an important role. In this review, the related

Download English Version:

<https://daneshyari.com/en/article/5349488>

Download Persian Version:

<https://daneshyari.com/article/5349488>

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