Accepted Manuscript

Self-cleaning superhydrophobic surfaces with underwater superaerophobicity

Jijo Easo George, Vanessa R.M. Rodrigues, Deepak Mathur, Santhosh Chidangil, Sajan D. George

PII: S0264-1275(16)30387-2

DOI: doi: 10.1016/j.matdes.2016.03.104

Reference: JMADE 1582

To appear in:

Received date: 17 February 2016 Revised date: 15 March 2016 Accepted date: 18 March 2016



Please cite this article as: Jijo Easo George, Vanessa R.M. Rodrigues, Deepak Mathur, Santhosh Chidangil, Sajan D. George, Self-cleaning superhydrophobic surfaces with underwater superaerophobicity, (2016), doi: 10.1016/j.matdes.2016.03.104

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

SELF-CLEANING SUPERHYDROPHOBIC SURFACES WITH UNDERWATER SUPERAEROPHOBICITY

Jijo Easo George¹, Vanessa R. M. Rodrigues¹, Deepak Mathur^{1,2}, Santhosh Chidangil¹ and Sajan D. George^{1*},

¹Department of Atomic and Molecular Physics, Manipal University, Manipal, India – 576104

²Tata Institute of Fundamental Research, Dr.Homi Bhabha Road, Mumbai, India – 400 005

*Corresponding Author: email: sajan.george@manipal.edu, 0091-820-2925072

KEYWORDS: Wetting, Femtosecond laser patterning, Superhydrophobicity, Superaerophobicity

Download English Version:

https://daneshyari.com/en/article/7218253

Download Persian Version:

https://daneshyari.com/article/7218253

<u>Daneshyari.com</u>