Accepted Manuscript

A Novel Approach for PDMS Thin Films Production towards Application as Substrate for Flexible Biosensors

Dongyang Wang, Dechun Ba, Zhuang Hao, Yijun Li, Fei Sun, Kun Liu, Guangyu Du, Mei Qi

PII: S0167-577X(18)30479-8

DOI: https://doi.org/10.1016/j.matlet.2018.03.114

Reference: MLBLUE 24075

To appear in: Materials Letters

Received Date: 19 January 2018 Revised Date: 5 March 2018 Accepted Date: 17 March 2018



Please cite this article as: D. Wang, D. Ba, Z. Hao, Y. Li, F. Sun, K. Liu, G. Du, M. Qi, A Novel Approach for PDMS Thin Films Production towards Application as Substrate for Flexible Biosensors, *Materials Letters* (2018), doi: https://doi.org/10.1016/j.matlet.2018.03.114

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

A Novel Approach for PDMS Thin Films Production towards

Application as Substrate for Flexible Biosensors

Dongyang Wang ¹, Dechun Ba ^{1, 4}, Zhuang Hao ², Yijun Li ³, Fei Sun ¹, Kun Liu ^{1, 4}*, Guangyu Du^{1, 4} Mei Qi ^{5&}

- 1. School of Mechanical Engineering and Automation, Northeastern University, Shenyang 110819, China
- 2. Department of Mechanical Engineering, Harbin Institute of Technology, Harbin 150001, China
- 3. Center for Sensor Technology of Environment and Health, Tsinghua University, Beijing 100084, China
- 4. Key Laboratory of Vibration and Control of Aero-Propulsion Systems Ministry of Education of China,

Northeastern University, Shenyang 110819, China

5. Department of Oncology, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan 4330030, China

* Corresponding author:

& Corresponding author:

Kun Liu, Ph.D

Qi Mei, Ph.D

School of Mechanical Engineering and Automation

Department of Oncology, Tongji Hospital,

Northeastern University

Tongji Medical College,

3-11 WenHua Rd., 319#

Huazhong University of Science and Technology,

Shenyang China, 110004

Wuhan, 4330030, Hubei, China

Tel: 86-24-8367-6945; Fax: 86-24-8368-0450

Tel: 86-27-69378806

E-mail: kliu@mail.neu.edu.cn

E-mail: boris.meiqi@gmail.com

Conflicts of Interest: The authors declare no conflict of interest.

1

Download English Version:

https://daneshyari.com/en/article/8013503

Download Persian Version:

https://daneshyari.com/article/8013503

Daneshyari.com