

Accepted Manuscript

Graphite oxide electrical sensors are able to distinguish single nucleotide polymorphisms in physiological buffers

Ruben Lanche, Vivek Pachauri, Walid-Madhat Munief, Achim Müller, Miriam Schwartz, Patrick Wagner, Ronald Thoelen, Sven Ingebrandt

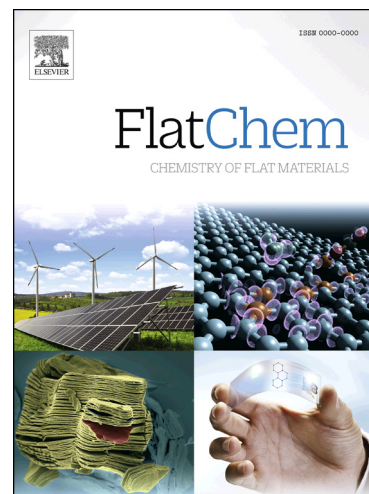
PII: S2452-2627(17)30111-3
DOI: <https://doi.org/10.1016/j.flatc.2017.12.001>
Reference: FLATC 52

To appear in: *FlatChem*

Received Date: 9 August 2017
Revised Date: 21 December 2017
Accepted Date: 21 December 2017

Please cite this article as: R. Lanche, V. Pachauri, W-M. Munief, A. Müller, M. Schwartz, P. Wagner, R. Thoelen, S. Ingebrandt, Graphite oxide electrical sensors are able to distinguish single nucleotide polymorphisms in physiological buffers, *FlatChem* (2017), doi: <https://doi.org/10.1016/j.flatc.2017.12.001>

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.



Graphite oxide electrical sensors are able to distinguish single nucleotide polymorphisms in physiological buffers

Ruben Lanche^{1,2}, Vivek Pachauri^{*1}, Walid-Madhat Munief^{1,2}, Achim Müller^{1,2}, Miriam Schwartz^{1,2}, Patrick Wagner³, Ronald Thoelen⁴, Sven Ingebrandt^{1,2}

Authors affiliations:-

1. Department of Informatics & Microsystem Technology, University of Applied Sciences Kaiserslautern, Amerikastrasse 1, 66482 Zweibruecken, Germany
2. Ram Group GmbH DE, Amerikastrasse 15, 66482 Zweibruecken Germany
3. Department of Physics and Astronomy, KU Leuven, Celestijnenlaan 200D, 3001 Leuven, Belgium
4. Institute for Materials Research, Hasselt University, Wetenschapspark 1, B-3590 Diepenbeek, Belgium

Corresponding author: vivek.pachauri@hs-kl.de, pachauri.vivek@gmail.com

Keywords: Graphite oxide; graphene; field-effect; biosensor; DNA; single nucleotide polymorphisms.

Download English Version:

<https://daneshyari.com/en/article/8917788>

Download Persian Version:

<https://daneshyari.com/article/8917788>

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