

Author's Accepted Manuscript

Two-dimensional oriented growth of Zn-MOF-on-Zr-MOF architecture: A highly sensitive and selective platform for detecting cancer markers

Nan Zhou, Fangfang Su, Chuanpan Guo, Linghao He, Zhankui Jia, Minghua Wang, Qiaojuan Jia, Zhihong Zhang, Siyu Lu



PII: S0956-5663(18)30776-0
DOI: <https://doi.org/10.1016/j.bios.2018.09.079>
Reference: BIOS10819

To appear in: *Biosensors and Bioelectronic*

Received date: 17 July 2018
Revised date: 3 September 2018
Accepted date: 21 September 2018

Cite this article as: Nan Zhou, Fangfang Su, Chuanpan Guo, Linghao He, Zhankui Jia, Minghua Wang, Qiaojuan Jia, Zhihong Zhang and Siyu Lu, Two-dimensional oriented growth of Zn-MOF-on-Zr-MOF architecture: A highly sensitive and selective platform for detecting cancer markers, *Biosensors and Bioelectronic*, <https://doi.org/10.1016/j.bios.2018.09.079>

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 galley proof before it is published in its final citable 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.

**Two-dimensional oriented growth of Zn-MOF-on-Zr-MOF
architecture: A highly sensitive and selective platform for
detecting cancer markers**

Nan Zhou¹, Fangfang Su², Chuanpan Guo², Linghao He², Zhankui Jia^{*1}, Minghua

Wang², Qiaojuan Jia², Zhihong Zhang^{*2}, Siyu Lu^{*3}

¹The First Affiliated Hospital of Zhengzhou University, Zhengzhou, China

²Henan Provincial Key Laboratory of Surface and Interface Science, Zhengzhou
University of Light Industry, No. 136, Science Avenue, Zhengzhou 450001, P. R.
China

³College of Chemistry and Molecular Engineering, Zhengzhou University, Zhengzhou,
450000, China

jjazhankui@126.com,

mainzh@163.com

or

sylu2013@zzu.edu.com

*Corresponding authors

Abstract:

Fabricating novel bimetallic metal organic framework (MOF) architectures and exploiting them as aptasensor scaffolds for detecting diverse analytes, especially

Download English Version:

<https://daneshyari.com/en/article/11020654>

Download Persian Version:

<https://daneshyari.com/article/11020654>

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