## Accepted Manuscript

Title: An enzyme-free and label-free fluorescence biosensor for microRNA detection based on cascade amplification of DNAzyme-powered three-dimensional DNA walker and hybridization chain reaction

Authors: Rui Wang, Lei Wang, Xiaowen Xu, Wei Jiang

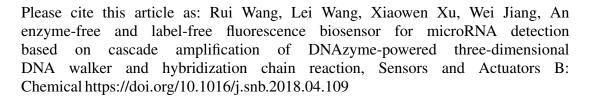
PII: S0925-4005(18)30813-X

DOI: https://doi.org/10.1016/j.snb.2018.04.109

Reference: SNB 24585

To appear in: Sensors and Actuators B

Received date: 18-11-2017 Revised date: 18-4-2018 Accepted date: 21-4-2018



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.



## An enzyme-free and label-free fluorescence biosensor for microRNA detection based on cascade amplification of DNAzyme-powered three-dimensional DNA walker and hybridization chain reaction

Rui Wang a, Lei Wang b, Xiaowen Xu a,\*, Wei Jiang a,\*

<sup>a</sup> Key Laboratory for Colloid and Interface Chemistry of Education Ministry, School of Chemistry and Chemical Engineering, Shandong University, 250100 Jinan,

P. R. China

<sup>b</sup> School of Pharmaceutical Sciences, Shandong University, 250012 Jinan, P. R. China

\*Corresponding author: Tel: 86-531-88363888; fax: 86-531-88564464.

E-mail: wjiang@sdu.edu.cn

xuxw@sdu.edu.cn

Graphical abstract

## Download English Version:

## https://daneshyari.com/en/article/7139300

Download Persian Version:

https://daneshyari.com/article/7139300

<u>Daneshyari.com</u>