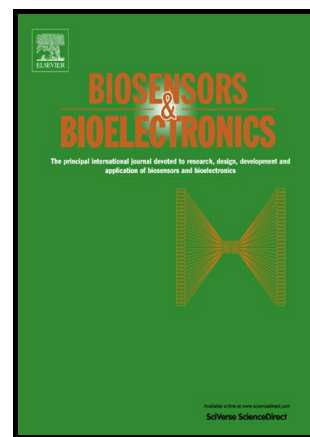


Author's Accepted Manuscript

Homogeneous and Label-Free
Electrochemiluminescence Aptasensor Based on the
Difference of Electrostatic Interaction and
Exonuclease-Assisted Target Recycling
Amplification

Jiancong Ni, Weiqiang Yang, Qingxiang Wang,
Fang Luo, Longhua Guo, Bin Qiu, Zhenyu Lin,
Huanghao Yang



PII: S0956-5663(18)30055-1
DOI: <https://doi.org/10.1016/j.bios.2018.01.043>
Reference: BIOS10236

To appear in: *Biosensors and Bioelectronics*

Received date: 4 December 2017
Revised date: 17 January 2018
Accepted date: 19 January 2018

Cite this article as: Jiancong Ni, Weiqiang Yang, Qingxiang Wang, Fang Luo, Longhua Guo, Bin Qiu, Zhenyu Lin and Huanghao Yang, Homogeneous and Label-Free Electrochemiluminescence Aptasensor Based on the Difference of Electrostatic Interaction and Exonuclease-Assisted Target Recycling Amplification, *Biosensors and Bioelectronics*, <https://doi.org/10.1016/j.bios.2018.01.043>

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.

Homogeneous and Label-Free Electrochemiluminescence Aptasensor
Based on the Difference of Electrostatic Interaction and
Exonuclease-Assisted Target Recycling Amplification

Jiancong Ni^{a,b}, Weiqiang Yang^a, Qingxiang Wang^b, Fang Luo^c, Longhua Guo^{a,*}, Bin Qiu^a, Zhenyu Lin^{a,*} and Huanghao Yang^a

^a MOE Key Laboratory for Analytical Science of Food Safety and Biology, Fujian Provincial Key Laboratory of Analysis and Detection Technology for Food Safety, College of Chemistry, Fuzhou University, Fuzhou, Fujian 350116, China.

^b Fujian Provincial Key Laboratory of Modern Analytical Science and Separation Technology, College of Chemistry and Environment, Minnan Normal University, Zhangzhou, 363000, China.

^c College of Biological Science and Engineering, Fuzhou University, Fuzhou, Fujian 350116, China

Submitted to Biosensor and Bioelectronics

Corresponding author: Zhenyu Lin; Longhua Guo

E-mail: zylin@fzu.edu.cn (Zhenyu Lin); guolh@fzu.edu.cn (Longhua Guo);

Tel&Fax: 86-591-22866135

Address: Department of Chemistry, Fuzhou University, Fuzhou, Fujian, 350116, China

Download English Version:

<https://daneshyari.com/en/article/7229761>

Download Persian Version:

<https://daneshyari.com/article/7229761>

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