## Accepted Manuscript

Title: Rapid and sensitive detection of hydrogen peroxide in milk by Enzyme-free electrochemiluminescence sensor based on a polypyrrole-cerium oxide nanocomposite

Authors: A. Karimi, S.W. Husain, M. Hosseini, P. Abroumand Azar, M.R. Ganjali

PII: S0925-4005(18)30968-7

DOI: https://doi.org/10.1016/j.snb.2018.05.066

Reference: SNB 24722

To appear in: Sensors and Actuators B

Received date: 5-1-2018 Revised date: 1-5-2018 Accepted date: 13-5-2018



Please cite this article as: A.Karimi, S.W.Husain, M.Hosseini, P.Abroumand and sensitive detection of Azar. M.R.Ganjali, Rapid hydrogen peroxide electrochemiluminescence milk by Enzyme-free sensor based on polypyrrole-cerium nanocomposite, B: oxide Sensors and Actuators Chemical https://doi.org/10.1016/j.snb.2018.05.066

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.

Rapid and sensitive detection of hydrogen peroxide in milk by

**Enzyme-free** electrochemilumine scencebased sensor on a

polypyrrole-cerium oxide nanocomposite

A. Karimia, S. W. Husaina, M. Hosseini b,c, P. Abroumand Azara and M. R. Ganjalid,e\*

<sup>a</sup>Department of Chemistry, Islamic Azad University, Science and Research Branch, Tehran, Iran

<sup>b</sup>Department of Life Science Engineering, Faculty of New Sciences & Technologies, University

of Tehran, Tehran, Iran.

<sup>c</sup>Medical Biomaterials Research Center, Tehran University of Medical Sciences, Tehran, Iran

<sup>d</sup>Center of Excellence in Electrochemistry, School of Chemistry, College of Science, University

of Tehran, Tehran, Iran

<sup>e</sup>Biosensor Research Center, Endocrinology and Metabolism Molecular-Cellular Sciences

Institute, Tehran University of Medical Sciences, Tehran, Iran

\*Corresponding author. Tel.: +9888356138

E-mail address: ganjali@khayam.ut.ac.ir

1

## Download English Version:

## https://daneshyari.com/en/article/7138870

Download Persian Version:

https://daneshyari.com/article/7138870

<u>Daneshyari.com</u>