

## Accepted Manuscript

Ultrasound-electrospinning-assisted Fabrication and Sensing Evaluation of a novel membrane as Ultrasensitive sensor for copper (II) ions Detection in aqueous environment

Wei Gao, Pouya Haratipour, Mohammad Reza Rezaei Kahkha, Arash tahvili

PII: S1350-4177(18)30210-4

DOI: <https://doi.org/10.1016/j.ultsonch.2018.02.020>

Reference: ULTSON 4081

To appear in: *Ultrasonics Sonochemistry*

Received Date: 24 October 2017

Revised Date: 10 January 2018

Accepted Date: 8 February 2018



Please cite this article as: W. Gao, P. Haratipour, M.R.R. Kahkha, A. tahvili, Ultrasound-electrospinning-assisted Fabrication and Sensing Evaluation of a novel membrane as Ultrasensitive sensor for copper (II) ions Detection in aqueous environment, *Ultrasonics Sonochemistry* (2018), doi: <https://doi.org/10.1016/j.ultsonch.2018.02.020>

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.

# Ultrasound-electrospinning-assisted Fabrication and Sensing Evaluation of a novel membrane as Ultrasensitive sensor for copper (II) ions Detection in aqueous environment

Wei Gao<sup>a,\*</sup>, Pouya Haratipour<sup>b,c</sup>, Mohammad Reza Rezaei Kahkha<sup>d</sup>, Arash tahvili<sup>e</sup>

<sup>a</sup> School of Information Science and Technology, Yunnan Normal University, Kunming 650500, China.

<sup>b</sup> Department of Chemistry, Sharif University of Technology, Azadi, Tehran, Iran.

<sup>c</sup> Universal Scientific Education and Research Network (USERN), Los Angeles, CA, USA.

<sup>d</sup> Department of Environmental Health Engineering, Zabol University of Medical Sciences, Zabol, Iran.

<sup>e</sup> Department of textile engineering, Faculty of Chamran, Rasht branch, Technical and vocational university (TVU), Tehran, Iran.

Email address: [gaowei@ynnu.edu.cn](mailto:gaowei@ynnu.edu.cn)

**Keywords:** Nano Fiber; Membrane; Copper (II); Electrospinning; Ultrasound

Download English Version:

<https://daneshyari.com/en/article/7702702>

Download Persian Version:

<https://daneshyari.com/article/7702702>

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