

Accepted Manuscript

A new nano-sorbent for fast and efficient removal of heavy metals from aqueous solutions based on modification of magnetic mesoporous silica nanospheres

Hossein Vojoudi, Alireza Badiei, Shahriyar Bahar, Ghodsi Mohammadi Ziarani, Farnoush Faridbod, Mohammad Reza Ganjali

PII: S0304-8853(17)30332-3

DOI: <http://dx.doi.org/10.1016/j.jmmm.2017.05.065>

Reference: MAGMA 62769

To appear in: *Journal of Magnetism and Magnetic Materials*

Received Date: 25 February 2017

Revised Date: 11 May 2017

Accepted Date: 22 May 2017

Please cite this article as: H. Vojoudi, A. Badiei, S. Bahar, G. Mohammadi Ziarani, F. Faridbod, M. Reza Ganjali, A new nano-sorbent for fast and efficient removal of heavy metals from aqueous solutions based on modification of magnetic mesoporous silica nanospheres, *Journal of Magnetism and Magnetic Materials* (2017), doi: <http://dx.doi.org/10.1016/j.jmmm.2017.05.065>

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.



1 **A new nano-sorbent for fast and efficient removal of heavy metals**
2 **from aqueous solutions based on modification of magnetic**
3 **mesoporous silica nanospheres**

4

5 Hossein Vojoudi¹, Alireza Badiei^{1,*}, Shahriyar Bahar², Ghodsi Mohammadi Ziarani²,

6 Farnoush Faridbod³, Mohammad Reza Ganjali^{3,4}

7

8

9 ¹School of Chemistry, College of Science, University of Tehran, Tehran, Iran

10 ²Department of Chemistry, Alzahra University, Tehran, Iran

11 ³Center of Excellence in Electrochemistry, School of Chemistry, College of Science,

12 University of Tehran, Tehran, Iran

13 ⁴Biosensor Research Center, Endocrinology and Metabolism Molecular-Cellular Sciences

14 Institute, Tehran University of Medical Sciences, Tehran, Iran

15

16

17

18

19

20

21

*Corresponding author: Tel: +98 21 61112614; Fax: +98 21 66405141
E-mail: abadiei@khayam.ut.ac.ir

Download English Version:

<https://daneshyari.com/en/article/5490439>

Download Persian Version:

<https://daneshyari.com/article/5490439>

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