

Author's Accepted Manuscript

Glutathione and L-cysteine modified silver nanoplates-based colorimetric assay for a simple, fast, sensitive and selective determination of nickel

Thanyaporn Kiatkumjorn, Poomrat Rattanarat, Weena Siangproh, Orawon Chailapakul, Narong Praphairaksit



www.elsevier.com/locate/talanta

PII: S0039-9140(14)00363-4
DOI: <http://dx.doi.org/10.1016/j.talanta.2014.04.085>
Reference: TAL14757

To appear in: *Talanta*

Received date: 18 February 2014
Revised date: 25 April 2014
Accepted date: 29 April 2014

Cite this article as: Thanyaporn Kiatkumjorn, Poomrat Rattanarat, Weena Siangproh, Orawon Chailapakul, Narong Praphairaksit, Glutathione and L-cysteine modified silver nanoplates-based colorimetric assay for a simple, fast, sensitive and selective determination of nickel, *Talanta*, <http://dx.doi.org/10.1016/j.talanta.2014.04.085>

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.

Glutathione and L-cysteine modified silver nanoplates-based colorimetric assay for a simple, fast, sensitive and selective determination of nickel

Thanyaporn Kiatkumjorn^{a,c}, Poomrat Rattanarat^a, Weena Siangproh^b, Orawon Chailapakul^{a,c},
Narong Praphairaksit^{a,*}

^aElectrochemistry and Optical Spectroscopy Research Unit (EOSRU), Department of Chemistry, Faculty of Science, Chulalongkorn University, 254 Phayathai Road, Patumwan, Bangkok 10330, Thailand

^bDepartment of Chemistry, Faculty of Science, Srinakharinwirot University, Sukhumvit 23, Wattana, Bangkok 10110, Thailand

^cCenter of Excellence on Petrochemical and Materials Technology, Chulalongkorn University, Patumwan, Bangkok 10330, Thailand

*Corresponding authors: Asst. Prof. Dr. Narong Praphairaksit

Tel. +662 218 7613 Fax +662 218 7598

E-mail address: narong.pr@chula.ac.th

Download English Version:

<https://daneshyari.com/en/article/7679954>

Download Persian Version:

<https://daneshyari.com/article/7679954>

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