Accepted Manuscript

Novel nanocomposite materials for efficient and selective mercury ions capturing from wastewater

Md.Rabiul Awual

PII: \$1385-8947(16)31190-1

DOI: http://dx.doi.org/10.1016/j.cej.2016.08.108

Reference: CEJ 15674

To appear in: Chemical Engineering Journal

Received Date: 21 June 2016
Revised Date: 22 August 2016
Accepted Date: 24 August 2016



Please cite this article as: Md.Rabiul Awual, Novel nanocomposite materials for efficient and selective mercury ions capturing from wastewater, *Chemical Engineering Journal* (2016), doi: http://dx.doi.org/10.1016/j.cej. 2016.08.108

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.

ACCEPTED MANUSCRIPT

Novel nanocomposite materials for efficient and selective mercury ions capturing from wastewater

Md. Rabiul Awual *

Japan Atomic Energy Agency (SPring-8), 1-1-1 Kouto, Sayo-cho, Sayo-gun, Hyogo 679-5148, Japan

* Corresponding author. Tel.: +81 791 58 0929; fax: +81 791 58 2620. E-mail address: rawual76@yahoo.com & awual.rabiul@jaea.go.jp (M. R. Awual).

Research highlights:

- ➤ Novel nanocomposite materials were prepared for optical Hg(II) detection/removal.
- Extreme high sensitivity and selectivity were observed in the presence of foreign ions.
- The proposed materials are promising candidate in situ of environmental remediation.

Download English Version:

https://daneshyari.com/en/article/4763478

Download Persian Version:

https://daneshyari.com/article/4763478

<u>Daneshyari.com</u>