## Accepted Manuscript

Title: Development of polyethyleneimine-loaded core-shell chitosan hollow beads and their application for platinum recovery in sequential metal scavenging fill-and-draw process

Author: Myung-Hee Song Sok Kim D. Harikishore Kumar Reddy Wei Wei John Kwame Bediako Sangwon Park Yeoung-Sang Yun

PII: S0304-3894(16)31077-9

DOI: http://dx.doi.org/doi:10.1016/j.jhazmat.2016.11.047

Reference: HAZMAT 18201

To appear in: Journal of Hazardous Materials

Received date: 19-7-2016 Revised date: 4-11-2016 Accepted date: 17-11-2016

Please cite this article as: Myung-Hee Song, Sok Kim, D.Harikishore Kumar Reddy, Wei Wei, John Kwame Bediako, Sangwon Park, Yeoung-Sang Yun, Development of polyethyleneimine-loaded core-shell chitosan hollow beads and their application for platinum recovery in sequential metal scavenging fill-and-draw process, Journal of Hazardous Materials http://dx.doi.org/10.1016/j.jhazmat.2016.11.047

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

Development of polyethyleneimine-loaded core-shell chitosan hollow beads and their application for platinum recovery in sequential metal scavenging fill-and-draw process

Myung-Hee Song<sup>a</sup>, Sok Kim<sup>b</sup>, D. Harikishore Kumar Reddy<sup>c</sup>, Wei Wei<sup>a</sup>, John Kwame Bediako<sup>a</sup>, Sangwon Park<sup>a</sup>, Yeoung-Sang Yun<sup>\*,a,c</sup>

<sup>a</sup> Division of Semiconductor and Chemical Engineering, Chonbuk National University, Jeonju, Jeonbuk, 54896, Republic of Korea

<sup>b</sup> Division of Environmental Science and Ecological Engineering, College of Life Sciences and Biotechnology, Korea University, Seoul, 02841, Republic of Korea

<sup>c</sup> School of Chemical Engineering, Chonbuk National University, Jeonju, Jeonbuk, 54896, Republic of Korea

E-mail addresses: ysyun@jbnu.ac.kr (Y.-S. Yun)

<sup>\*</sup>Corresponding author. Tel.: +82 63 270 2308; Fax: +82 63 270 2306.

## Download English Version:

## https://daneshyari.com/en/article/4979901

Download Persian Version:

https://daneshyari.com/article/4979901

<u>Daneshyari.com</u>