Accepted Manuscript

Dodecyl Sulfate Chain Anchored Mesoporous Graphene: Synthesis and Application to Sequester Heavy Metal Ions from Aqueous Phase

Mohammed Yusuf, Moonis Ali Khan, E.C. Abdullah, M. Elfghi, Masaaki Hosomi, Akihiko Terada, Shohei Riya, Areeba Ahmad

PII: S1385-8947(16)30916-0

DOI: http://dx.doi.org/10.1016/j.cej.2016.06.109

Reference: CEJ 15419

To appear in: Chemical Engineering Journal

Received Date: 26 April 2016 Revised Date: 21 June 2016 Accepted Date: 22 June 2016



Please cite this article as: M. Yusuf, M.A. Khan, E.C. Abdullah, M. Elfghi, M. Hosomi, A. Terada, S. Riya, A. Ahmad, Dodecyl Sulfate Chain Anchored Mesoporous Graphene: Synthesis and Application to Sequester Heavy Metal Ions from Aqueous Phase, *Chemical Engineering Journal* (2016), doi: http://dx.doi.org/10.1016/j.cej. 2016.06.109

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

Dodecyl Sulfate Chain Anchored Mesoporous Graphene: Synthesis and Application to Sequester Heavy Metal Ions from Aqueous Phase

Mohammed Yusuf ^{a, d}, Moonis Ali Khan^{b,*}, E. C. Abdullah ^{a, c,*}, M. Elfghi ^{a, c}, Masaaki Hosomi^d,
Akihiko Terada^d, Shohei Riya^d, Areeba Ahmad^e

^aMalaysia-Japan International Institute of Technology, Department of Environmental Engineering and Green Technology, Jalan Semarak, 54100 Kaula Lumpur, Malaysia ^bChemistry Department, College of Science, King Saud University, Riyadh 11451,

Saudi Arabia

^cChemical Reaction Engineering Group (CREG), Faculty of Chemical and Natural Resources
Engineering, University Technology Malaysia, 81310 UTM, Skudai, Johor, Malaysia

^dDepartment of Chemical Engineering, Tokyo University of Agriculture and Technology,

2-24-16, Nakacho, Koganei, Tokyo 184-8588, Japan

^eDepartment of Zoology, Aligarh Muslim University, Aligarh-02, India

Corresponding Author: Moonis Ali Khan

Email: mokhan@ksu.edu.sa; moonisalikhan@gmail.com

Download English Version:

https://daneshyari.com/en/article/6581287

Download Persian Version:

https://daneshyari.com/article/6581287

<u>Daneshyari.com</u>