Accepted Manuscript

Combined experimental and theoretical investigation on selective removal of mercury ions by metal organic frameworks modified with thiol groups

Jie Li, Yang Liu, Yuejie Ai, Ahmed Alsaedi, Tasawar Hayat, Xiangke Wang

PII: S1385-8947(18)31508-0

DOI: https://doi.org/10.1016/j.cej.2018.08.041

Reference: CEJ 19655

To appear in: Chemical Engineering Journal

Received Date: 15 April 2018 Revised Date: 17 July 2018 Accepted Date: 7 August 2018



Please cite this article as: J. Li, Y. Liu, Y. Ai, A. Alsaedi, T. Hayat, X. Wang, Combined experimental and theoretical investigation on selective removal of mercury ions by metal organic frameworks modified with thiol groups, *Chemical Engineering Journal* (2018), doi: https://doi.org/10.1016/j.cej.2018.08.041

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

Combined experimental and theoretical investigation on selective removal of mercury ions by metal organic frameworks modified with thiol groups

Jie Li, †a Yang Liu, †b Yuejie Ai, *b Ahmed Alsaedi, c Tasawar Hayat , Xiangke Wang b, c

^aSchool of Resources and Environment, Anhui Agricultural University, Hefei, 230036, P. R. China

^bSchool of Environment and Chemical Engineering, North China Electric Power University, Beijing, 102206, P. R. China

^cNAAM Research Group, Faculty of Science, King Abdulaziz University, Jeddah 21589, Saudi Arabia

[†]J. Li and Y. Liu contributed equally to this work.

*Corresponding author. Email: <u>aiyuejie314@126.com</u> (Y.J. Ai); Tel (Fax): 86-10-61772890; fax: 86-10-61772890

Download English Version:

https://daneshyari.com/en/article/11000209

Download Persian Version:

https://daneshyari.com/article/11000209

<u>Daneshyari.com</u>