

Accepted Manuscript

Title: Phosphonate and Carboxylic Acid Co-Functionalized MoS₂ Sheets for Efficient Sorption of Uranium and Europium: Multiple Groups for Broad-Spectrum Adsorption

Authors: Sen Yang, Mengxia Hua, Liang Shen, Xiaoli Han, Meiyun Xu, Liangju Kuang, Daoben Hua



PII: S0304-3894(18)30344-3
DOI: <https://doi.org/10.1016/j.jhazmat.2018.05.005>
Reference: HAZMAT 19371

To appear in: *Journal of Hazardous Materials*

Received date: 20-1-2018
Revised date: 22-4-2018
Accepted date: 2-5-2018

Please cite this article as: Yang S, Hua M, Shen L, Han X, Xu M, Kuang L, Hua D, Phosphonate and Carboxylic Acid Co-Functionalized MoS₂ Sheets for Efficient Sorption of Uranium and Europium: Multiple Groups for Broad-Spectrum Adsorption, *Journal of Hazardous Materials* (2018), <https://doi.org/10.1016/j.jhazmat.2018.05.005>

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.

Phosphonate and Carboxylic Acid Co-Functionalized MoS₂ Sheets for Efficient Sorption of Uranium and Europium: Multiple Groups for Broad-Spectrum Adsorption

Sen Yang^{a,†}, Mengxia Hua^{b,†}, Liang Shen^a, Xiaoli Han^a, Meiyun Xu^a, Liangju Kuang^{c,}, and Daoben Hua^{a,d,*}*

^a State Key Laboratory of Radiation Medicine and Protection, School for Radiological and Interdisciplinary Sciences (RAD-X), Soochow University, Suzhou 215123, China

^b School of Mathematics and Statistics, Nanyang Normal University, Nanyang 473061, China

^c Schepens Eye Research Institute at Massachusetts Eye and Ear, Harvard Medical School, Boston, Massachusetts 02114, USA

^d Collaborative Innovation Center of Radiological Medicine of Jiangsu Higher Education Institutions, Suzhou 215123, China.

[†] S. Yang and M. Hua contributed equally to this work.

AUTHOR EMAIL ADDRESS:

huamx@nynu.edu.cn (M. Hua); yangsen15@126.com (S. Yang); shenliang357@163.com (L. Shen); hanxiaoli15@163.com (X. Han); xumy@suda.edu.cn (M. Xu); liangju_kuang@meei.harvard.edu (L. Kuang); dbhua_lab@suda.edu.cn (D. Hua)

Download English Version:

<https://daneshyari.com/en/article/6968385>

Download Persian Version:

<https://daneshyari.com/article/6968385>

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