Accepted Manuscript

Title: Phosphonate and Carboxylic Acid Co-Functionalized MoS_2 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 MoS_2 Sheets for Efficient Sorption of Uranium and Europium: Multiple Groups for Broad-Spectrum Adsorption, *Journal of Hazardous Materials* (2010), https://doi.org/10.1016/j.jhazmat.2018.05.005

Phosphonate and Carboxylic Acid Co-Functionalized MoS_2 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)