

Accepted Manuscript

Title: Graphene/biofilm composites for enhancement of hexavalent chromium reduction and electricity production in a biocathode microbial fuel cell

Author: Tian-shun Song Yuejuan Jin Jingjing Bao Dongzhou Kang Jingjing Xie



PII: S0304-3894(16)30493-9
DOI: <http://dx.doi.org/doi:10.1016/j.jhazmat.2016.05.055>
Reference: HAZMAT 17744

To appear in: *Journal of Hazardous Materials*

Received date: 4-2-2016
Revised date: 27-4-2016
Accepted date: 16-5-2016

Please cite this article as: Tian-shun Song, Yuejuan Jin, Jingjing Bao, Dongzhou Kang, Jingjing Xie, Graphene/biofilm composites for enhancement of hexavalent chromium reduction and electricity production in a biocathode microbial fuel cell, *Journal of Hazardous Materials* <http://dx.doi.org/10.1016/j.jhazmat.2016.05.055>

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.

Graphene/biofilm composites for enhancement of hexavalent chromium reduction and electricity production in a biocathode microbial fuel cell

Tian-shun Song^{1,2,3}, Yuejuan Jin^{1,2}, Jingjing Bao^{1,2}, Dongzhou Kang^{4*}, Jingjing Xie^{1,2,3,4,5,*}

¹State Key Laboratory of Materials-Oriented Chemical Engineering, Nanjing Tech University, Nanjing 211816, PR China

² College of Life Science and Pharmaceutical Engineering, Nanjing Tech University, Nanjing 211816, PR China

³ Jiangsu Branch of China Academy of Science & Technology Development, Nanjing, PR China

⁴ College of Pharmacy, Yanbian University, Yanji 133002, PR China

⁵ Jiangsu National Synergetic Innovation Center for Advanced Materials (SICAM), Nanjing 211816, PR China

*Correspondence and requests for materials should be addressed to J.X. (xiej@njtech.edu.cn), D.K. (kangdz@ybu.edu.cn)

Present address: 30 South Puzhu Road, College of Biotechnology and pharmaceutical Engineering, Nanjing Tech University, Nanjing 211816, PR China. Tel.: +86 25 58139939

Download English Version:

<https://daneshyari.com/en/article/6969959>

Download Persian Version:

<https://daneshyari.com/article/6969959>

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