### Accepted Manuscript

Enhanced Cr(VI) Removal by Zero-valent Iron Coupled with Weak Magnetic Field: Role of Magnetic Gradient Force

Jinxiang Li, Hejie Qin, Wei-xian Zhang, Zhong Shi, Dongye Zhao, Xiaohong Guan

PII: S1383-5866(16)32567-9

DOI: http://dx.doi.org/10.1016/j.seppur.2016.11.075

Reference: SEPPUR 13410

To appear in: Separation and Purification Technology

Received Date: 30 November 2016 Accepted Date: 30 November 2016



Please cite this article as: J. Li, H. Qin, W-x. Zhang, Z. Shi, D. Zhao, X. Guan, Enhanced Cr(VI) Removal by Zerovalent Iron Coupled with Weak Magnetic Field: Role of Magnetic Gradient Force, *Separation and Purification Technology* (2016), doi: http://dx.doi.org/10.1016/j.seppur.2016.11.075

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**

# Enhanced Cr(VI) Removal by Zero-valent Iron Coupled with Weak Magnetic Field: Role of Magnetic Gradient Force

Jinxiang Li, <sup>a</sup> Hejie Qin, <sup>a</sup> Wei-xian Zhang, <sup>a</sup> Zhong Shi, <sup>b</sup> Dongye Zhao<sup>c</sup>, Xiaohong
Guan<sup>a\*</sup>

<sup>a</sup>State Key Laboratory of Pollution Control and Resources Reuse, College of Environmental Science and Engineering, Tongji University, Shanghai 200092, People's Republic of China

<sup>b</sup>Department of Physics, Tongji University, Shanghai 200092, People's Republic of China

<sup>c</sup>Environmental Engineering Program, Department of Civil Engineering, Auburn University, Auburn, Alabama 36849, United States

E-mail addresses: ljx870616@126.com (*Jinxiang Li*), chinhj@foxmail.com (*Hejie Qin*), zhangwx@tongji.edu.cn (*Wei-xian Zhang*), shizhong@tongji.edu.cn (*Zhong Shi*), dzhao@eng.auburn.edu (*Dongye Zhao*), and guanxh@tongji.edu.cn (*Xiaohong Guan*).

\*Author to whom correspondence should be addressed.

Xiaohong Guan, email: guanxh@tongji.edu.cn; phone: +86-21-65980956; Fax:

+86-21-65986313.

#### Download English Version:

# https://daneshyari.com/en/article/4990228

Download Persian Version:

https://daneshyari.com/article/4990228

<u>Daneshyari.com</u>