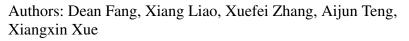
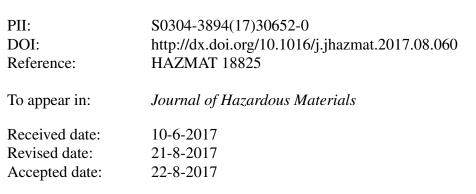
Accepted Manuscript

Title: A novel resource utilization of the calcium-based semi-dry flue gas desulfurization ash: As a reductant to remove chromium and vanadium from vanadium industrial wastewater





Please cite this article as: Dean Fang, Xiang Liao, Xuefei Zhang, Aijun Teng, Xiangxin Xue, A novel resource utilization of the calcium-based semi-dry flue gas desulfurization ash: As a reductant to remove chromium and vanadium from vanadium industrial wastewater, Journal of Hazardous Materialshttp://dx.doi.org/10.1016/j.jhazmat.2017.08.060

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

A novel resource utilization of the calcium-based semi-dry flue gas desulfurization ash: As a reductant to remove chromium and vanadium from vanadium industrial wastewater

Dean Fang^{a,b}, Xiang Liao^{a,b}, Xuefei Zhang^{a,b}, Aijun Teng^{a,b}, Xiangxin Xue^{a,b,*}

^a School of Metallurgy, Northeastern University, Shenyang, 110004, China
^b Liaoning Key Laboratory of Metallurgical Resources Recycling Science, Shenyang 110004, China

*Corresponding author

E-mail address: xuexx@mail.neu.edu.cn(X. Xue); 123767899@qq.com

Graphical abstract



Hemihydrate calcium sulfate whisker

By-product gypsum Heavy metal precipitation

Chromic oxide

Download English Version:

https://daneshyari.com/en/article/4979101

Download Persian Version:

https://daneshyari.com/article/4979101

Daneshyari.com