

Accepted Manuscript

Improved methane production from waste activated sludge by combining free ammonia with heat pretreatment: performance, mechanisms and applications

Xuran Liu, Qiuxiang Xu, Dongbo Wang, Jianwei Zhao, Yanxin Wu, Yiwen Liu, Bing-Jie Ni, Qilin Wang, Guangming Zeng, Xiaoming Li, Qi Yang

PII: S0960-8524(18)31038-1
DOI: <https://doi.org/10.1016/j.biortech.2018.07.109>
Reference: BITE 20239

To appear in: *Bioresource Technology*

Received Date: 10 June 2018
Revised Date: 20 July 2018
Accepted Date: 21 July 2018

Please cite this article as: Liu, X., Xu, Q., Wang, D., Zhao, J., Wu, Y., Liu, Y., Ni, B-J., Wang, Q., Zeng, G., Li, X., Yang, Q., Improved methane production from waste activated sludge by combining free ammonia with heat pretreatment: performance, mechanisms and applications, *Bioresource Technology* (2018), doi: <https://doi.org/10.1016/j.biortech.2018.07.109>

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.



Improved methane production from waste activated sludge by combining free ammonia with heat pretreatment: performance, mechanisms and applications

Xuran Liu^{a,b}, Qiuxiang Xu^{a,b}, Dongbo Wang^{a,b*}, Jianwei Zhao^{a,b}, Yanxin Wu^{a,b}, Yiwen Liu^c, Bing-Jie Ni^c, Qilin Wang^c, Guangming Zeng^{a,b}, Xiaoming Li^{a,b}, Qi Yang^{a,b}

^aCollege of Environmental Science and Engineering, Hunan University, Changsha 410082, P.R. China

^bKey Laboratory of Environmental Biology and Pollution Control (Hunan University), Ministry of Education, Changsha 410082, P.R. China

^cCentre for Technology in Water and Wastewater, School of Civil and Environmental Engineering, University of Technology Sydney, Sydney, NSW 2007, Australia

Corresponding author

E-mail: w.dongbo@yahoo.com (D. Wang).

Download English Version:

<https://daneshyari.com/en/article/7065679>

Download Persian Version:

<https://daneshyari.com/article/7065679>

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