

Accepted Manuscript

Title: Process intensification of cellulosic ethanol production by waste heat integration

Authors: Chunfeng Song, Yiting Qiu, Qingling Liu, Na Ji, Yingxin Zhao, Yutaka Kitamura, Xifeng Hou



PII: S0263-8762(18)30018-2
DOI: <https://doi.org/10.1016/j.cherd.2018.01.016>
Reference: CHERD 2990

To appear in:

Received date: 11-11-2017
Revised date: 26-12-2017
Accepted date: 3-1-2018

Please cite this article as: Song, Chunfeng, Qiu, Yiting, Liu, Qingling, Ji, Na, Zhao, Yingxin, Kitamura, Yutaka, Hou, Xifeng, Process intensification of cellulosic ethanol production by waste heat integration. Chemical Engineering Research and Design <https://doi.org/10.1016/j.cherd.2018.01.016>

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.

Process intensification of cellulosic ethanol production by waste heat integration

Chunfeng Song ^{a, b, *}, Yiting Qiu ^a, Qingling Liu ^a, Na Ji ^a, Yingxin Zhao ^a, Yutaka Kitamura ^c, Xifeng Hou ^d

^a *Tianjin Key Laboratory of Indoor Air Environmental Quality Control, School of Environmental Science and Technology, Tianjin University, 92 Weijin Road, Nankai District, Tianjin 300072, China*

^b *Key laboratory of efficient utilization of low and medium grade energy (Tianjin University), Ministry of Education, Tianjin 300072, China*

^c *Graduate School of Life and Environmental Sciences, University of Tsukuba, 1-1-1, Tennodai, Tsukuba, Ibaraki 305-8572, Japan*

^d *Tianjin Boya Dadi New Material Technology Ltd., Tianjin 300382, China*

* Corresponding author. Tel.: +86-022-2740-1255

E-mail address: chunfeng.song@tju.edu.cn

Graphical Abstract

Download English Version:

<https://daneshyari.com/en/article/7006038>

Download Persian Version:

<https://daneshyari.com/article/7006038>

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