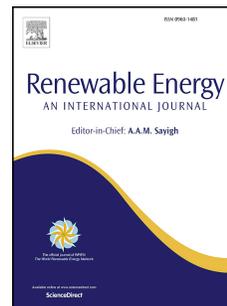


# Accepted Manuscript

Synthesis of calcium materials in biochar matrix as a highly stable catalyst for biodiesel production

Shuxiao Wang, Rui Shan, Yazhuo Wang, Lili Lu, Haoran Yuan



PII: S0960-1481(18)30692-X

DOI: [10.1016/j.renene.2018.06.047](https://doi.org/10.1016/j.renene.2018.06.047)

Reference: RENE 10203

To appear in: *Renewable Energy*

Received Date: 4 September 2017

Revised Date: 22 May 2018

Accepted Date: 13 June 2018

Please cite this article as: Wang S, Shan R, Wang Y, Lu L, Yuan H, Synthesis of calcium materials in biochar matrix as a highly stable catalyst for biodiesel production, *Renewable Energy* (2018), doi: 10.1016/j.renene.2018.06.047.

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.

1 **Synthesis of calcium materials in biochar matrix as a highly stable catalyst for**  
2 **biodiesel production**

3 Shuxiao Wang <sup>a,b,c,d,1</sup>, Rui Shan <sup>a,b,c,1</sup>, Yazhuo Wang <sup>a,b,c</sup>, Lili Lu <sup>a,b,c</sup>, Haoran Yuan  
4 <sup>a,b,c,d\*</sup>

5 <sup>a</sup> *Guangzhou Institute of Energy Conversion, Chinese Academy of Sciences,*  
6 *Guangzhou 510640, China*

7 <sup>b</sup> *CAS Key Laboratory of Renewable Energy, Guangzhou 510640, China*

8 <sup>c</sup> *Guangdong Provincial Key Laboratory of New and Renewable Energy Research and*  
9 *Development, Guangzhou 510640, China*

10 <sup>d</sup> *Nano Science and Technology Institute, University of Science and Technology of*  
11 *China, Suzhou 215123, China*

---

\*Corresponding authors. *Email address:* yuanhr@ms.giec.ac.cn (H.R. Yuan)

<sup>1</sup> Both authors contributed equally to this work.

Download English Version:

<https://daneshyari.com/en/article/6763731>

Download Persian Version:

<https://daneshyari.com/article/6763731>

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