

Accepted Manuscript

Title: Enabling fast electron transfer through both bacterial outer-membrane redox centers and endogenous electron mediators by polyaniline hybridized large-mesoporous carbon anode for high-performance microbial fuel cells

Authors: Long Zou, Yan Qiao, Canyu Zhong, Chang Ming Li

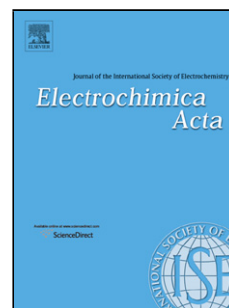
PII: S0013-4686(17)30081-6
DOI: <http://dx.doi.org/doi:10.1016/j.electacta.2017.01.081>
Reference: EA 28748

To appear in: *Electrochimica Acta*

Received date: 9-10-2016
Revised date: 12-1-2017
Accepted date: 13-1-2017

Please cite this article as: Long Zou, Yan Qiao, Canyu Zhong, Chang Ming Li, Enabling fast electron transfer through both bacterial outer-membrane redox centers and endogenous electron mediators by polyaniline hybridized large-mesoporous carbon anode for high-performance microbial fuel cells, *Electrochimica Acta* <http://dx.doi.org/10.1016/j.electacta.2017.01.081>

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.



Enabling fast electron transfer through both bacterial outer-membrane redox centers and endogenous electron mediators by polyaniline hybridized large-mesoporous carbon anode for high-performance microbial fuel cells

Long Zou ^{a,b,c}, Yan Qiao ^{a,c}, Canyu Zhong ^{a,c}, and Chang Ming Li ^{a,c,d,*}

^a Institute for Clean Energy & Advanced Materials, Faculty of Materials and Energy, Southwest University, Chongqing 400715, China

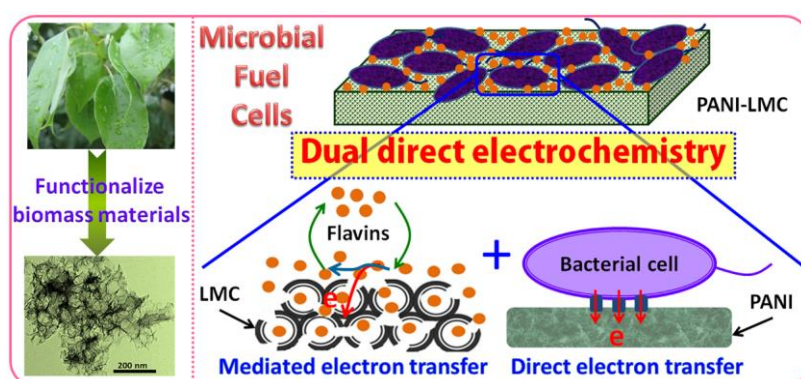
^b College of Life Science, Jiangxi Normal University, Nanchang 330022, China

^c Chongqing Key Laboratory for Advanced Materials & Technologies of Clean Energies, Southwest University, Chongqing 400715, China

^d Institute of Materials Science and Devices, Suzhou University of Science and Technology, Suzhou 215011, China

* Corresponding author. E-mail: ecml@swu.edu.cn. (C. M. Li)

Graphical abstract



Download English Version:

<https://daneshyari.com/en/article/4767286>

Download Persian Version:

<https://daneshyari.com/article/4767286>

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