

## Accepted Manuscript

Title: Inorganic/whole-cell biohybrid photocatalyst for highly efficient hydrogen production from water

Authors: Yuki Honda, Motonori Watanabe, Hidehisa Hagiwara, Shintaro Ida, Tatsumi Ishihara



PII: S0926-3373(17)30311-9  
DOI: <http://dx.doi.org/doi:10.1016/j.apcatb.2017.04.015>  
Reference: APCATB 15578

To appear in: *Applied Catalysis B: Environmental*

Received date: 16-2-2017  
Revised date: 1-4-2017  
Accepted date: 5-4-2017

Please cite this article as: {<http://dx.doi.org/>

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.

Inorganic/whole-cell biohybrid photocatalyst for highly efficient hydrogen production from water

Yuki Honda<sup>\*a</sup>, Motonori Watanabe<sup>a</sup>, Hidehisa Hagiwara<sup>a,b</sup>, Shintaro Ida<sup>a,b</sup>, Tatsumi Ishihara<sup>a,b</sup>

a International Institute for Carbon-Neutral Energy Research, Kyushu University, 744 Motooka, Nishi-ku, Fukuoka 819-0395, Japan

b Department of Applied Chemistry, Faculty of Engineering, Kyushu University, 744 Motooka, Nishi-ku, Fukuoka 819-0395, Japan

\*Corresponding author

Yuki Honda

International Institute for Carbon-Neutral Energy Research, Kyushu University, 744 Motooka, Nishi-ku, Fukuoka 819-0395, Japan

Tel: +81-92-802-2870

Fax: +81-92-802-2871

e-mail: [yhonda@i2cner.kyushu-u.ac.jp](mailto:yhonda@i2cner.kyushu-u.ac.jp)

Download English Version:

<https://daneshyari.com/en/article/4756153>

Download Persian Version:

<https://daneshyari.com/article/4756153>

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