

## Accepted Manuscript

Title: High performance visible-light responsive Chl-Cu/ZnO catalysts for photodegradation of rhodamine B

Authors: Chayet Worathitanon, Kuntida Jangyubol, Preeyaporn Ruengrung, Waleeporn Donphai, Wantana Klysubun, Narong Chanlek, Phatthanon Prasitchoke, Metta Chareonpanich



PII: S0926-3373(18)30877-4  
DOI: <https://doi.org/10.1016/j.apcatb.2018.09.048>  
Reference: APCATB 17031

To appear in: *Applied Catalysis B: Environmental*

Received date: 13-7-2018  
Revised date: 10-9-2018  
Accepted date: 16-9-2018

Please cite this article as: Worathitanon C, Jangyubol K, Ruengrung P, Donphai W, Klysubun W, Chanlek N, Prasitchoke P, Chareonpanich M, High performance visible-light responsive Chl-Cu/ZnO catalysts for photodegradation of rhodamine B, *Applied Catalysis B: Environmental* (2018), <https://doi.org/10.1016/j.apcatb.2018.09.048>

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.

**High performance visible-light responsive Chl-Cu/ZnO catalysts for photodegradation of rhodamine B**

Chayet Worathitanon<sup>a,b</sup>, Kuntida Jangyubol<sup>a,b</sup>, Preeyaporn Ruengrung<sup>a,b</sup>, Waleeporn Donphai<sup>a,b</sup>,  
Wantana Klysubun<sup>c</sup>, Narong Chanlek<sup>c</sup>, Phatthanon Prasitchoke<sup>d</sup>, Metta Chareonpanich<sup>a,b,\*</sup>

<sup>a</sup> *KU-Green Catalysts Group, Department of Chemical Engineering, Faculty of Engineering, Kasetsart University, Bangkok 10900, Thailand*

<sup>b</sup> *Nanocatalysts and Nanomaterials for Sustainable Energy and Environment Research Network of NANOTEC, Kasetsart University, Bangkok 10900, Thailand*

<sup>c</sup> *Synchrotron Light Research Institute, Nakhon Ratchasima 30000, Thailand*

<sup>d</sup> *PTT Global Chemical Public Company Limited, Bangkok 10900, Thailand*

\* Corresponding author. Tel.: +66 2579 2083; Fax: +66 2561 4621.

*E-mail address:* fengmtc@ku.ac.th (M. Chareonpanich)

Download English Version:

<https://daneshyari.com/en/article/11028393>

Download Persian Version:

<https://daneshyari.com/article/11028393>

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