## Accepted Manuscript

----

Title: Visible Light-induced Catalytic Activation of Peroxymonosulfate Using Heterogeneous Surface Complexes of Amino Acids on TiO<sub>2</sub>

Authors: Jonghun Lim, Dong-yeob Kwak, Fabian Sieland, Chuhyung Kim, Detlef W. Bahnemann, Wonyong Choi



PII:	S0926-3373(17)31174-8
DOI:	https://doi.org/10.1016/j.apcatb.2017.12.025
Reference:	APCATB 16260
To appear in:	Applied Catalysis B: Environmental
Received date:	26-10-2017
Revised date:	5-12-2017
Accepted date:	10-12-2017

Please cite this article as: Jonghun Lim, Dong-yeob Kwak, Fabian Sieland, Chuhyung Kim, Detlef W.Bahnemann, Wonyong Choi, Visible Light-Catalytic Activation of Peroxymonosulfate Using Heterogeneous induced Complexes of Amino Acids on Surface TiO2, Applied Catalysis Β, Environmental https://doi.org/10.1016/j.apcatb.2017.12.025

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.

## ACCEPTED MANUSCRIPT

## Visible Light-induced Catalytic Activation of Peroxymonosulfate Using Heterogeneous Surface Complexes of Amino Acids on TiO<sub>2</sub>

Jonghun Lim,<sup>a,1</sup> Dong-yeob Kwak,<sup>a,1</sup> Fabian Sieland,<sup>b</sup> Chuhyung Kim,<sup>a</sup> Detlef W.

Bahnemann,<sup>b</sup> and Wonyong Choi<sup>a</sup>\*

<sup>a</sup> Division of Environmental Science and Engineering and Department of Chemical

Engineering, Pohang University of Science and Technology (POSTECH), Pohang 37673,

Korea

<sup>b</sup> Leibniz University Hannover, Institute of Technical Chemistry, 30167 Hannover, Germany; Laboratory "Photoactive Nanocomposite Materials", Saint-Petersburg State University,

Saint-Petersburg, 198504, Russia

Submitted to

Applied Catalysis B: Environmental

2017

(Revised)

\*Corresponding author.

E-mail: wchoi@postech.edu; Phone: +82-54-279-2283; Fax: +82-54-279-8299

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

Download English Version:

## https://daneshyari.com/en/article/6498748

Download Persian Version:

https://daneshyari.com/article/6498748

Daneshyari.com