

Accepted Manuscript

Title: Principal parameters affecting virus inactivation by the solar photo-Fenton process at neutral pH and μM concentrations of H_2O_2 and $\text{Fe}^{2+}/3+$

Author: E. Ortega-Gómez M.M.Ballesteros Martín A.
Carratalà P.Fernández Ibañez J.A.Sánchez Pérez C. Pulgarín



PII: S0926-3373(15)00137-X
DOI: <http://dx.doi.org/doi:10.1016/j.apcatb.2015.03.016>
Reference: APCATB 13921

To appear in: *Applied Catalysis B: Environmental*

Received date: 13-11-2014
Revised date: 11-2-2015
Accepted date: 11-3-2015

Please cite this article as: E.Ortega-Gómez, M.M.Ballesteros Martín, A.Carratalà, P.Fernández Ibañez, J.A.Sánchez Pérez, C.Pulgarín, Principal parameters affecting virus inactivation by the solar photo-Fenton process at neutral pH and μM concentrations of H_2O_2 and $\text{Fe}^{2+}/3+$, *Applied Catalysis B, Environmental* <http://dx.doi.org/10.1016/j.apcatb.2015.03.016>

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.

**Principal parameters affecting virus inactivation by the solar photo-Fenton process at
neutral pH and μM concentrations of H_2O_2 and $\text{Fe}^{2+/3+}$**

E. Ortega-Gómez^{a,b}, M.M. Ballesteros Martín^{b,d}, A. Carratalà^c, P. Fernández Ibañez^{b,e}, J.A.
Sánchez Pérez^{a,b}, C. Pulgarín^{f*}

^a Department of Chemical Engineering, University of Almería, 04120 Almería, Spain

^b CIESOL, Joint Centre of the University of Almería-CIEMAT, 04120 Almería, Spain

^c Laboratory of Environmental Chemistry, School of Architecture, Civil and Environmental
Engineering (ENAC), École Polytechnique Fédérale de Lausanne (EPFL), CH-1015
Lausanne, Switzerland

^d Department of Molecular Biology and Biochemical Engineering, University of Pablo de
Olavide, 41013, Sevilla, Spain

^e Plataforma Solar de Almería, CIEMAT, 04200 Tabernas, Almería, Spain

^f École Polytechnique Fédérale de Lausanne, Institute of Chemical Sciences and Engineering
GPAO, Station 6, CH-1015 Lausanne, Switzerland

*Corresponding author: cesar.pulgarin@epfl.ch

Download English Version:

<https://daneshyari.com/en/article/6500153>

Download Persian Version:

<https://daneshyari.com/article/6500153>

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