

# Accepted Manuscript

Dye-sensitized nanoparticles for heterogeneous photocatalysis: Cases studies with TiO<sub>2</sub>, ZnO, fullerene and graphene for water purification

Zahraa Youssef, Ludovic Colombeau, Nurlykyz Yesmurzayeva, Francis Baros, Régis Vanderesse, Tayssir Hamieh, Joumana Toufaily, Céline Frochot, Thibault Roques-Carmes

PII: S0143-7208(18)30295-X

DOI: [10.1016/j.dyepig.2018.06.002](https://doi.org/10.1016/j.dyepig.2018.06.002)

Reference: DYPI 6807

To appear in: *Dyes and Pigments*

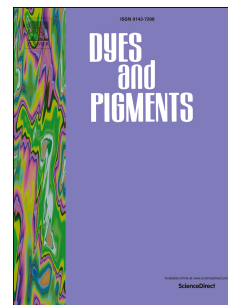
Received Date: 6 February 2018

Revised Date: 29 May 2018

Accepted Date: 3 June 2018

Please cite this article as: Youssef Z, Colombeau L, Yesmurzayeva N, Baros F, Vanderesse Ré, Hamieh T, Toufaily J, Frochot Cé, Roques-Carmes T, Dye-sensitized nanoparticles for heterogeneous photocatalysis: Cases studies with TiO<sub>2</sub>, ZnO, fullerene and graphene for water purification, *Dyes and Pigments* (2018), doi: 10.1016/j.dyepig.2018.06.002.

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.



# **Dye-sensitized nanoparticles for heterogeneous photocatalysis: Cases Studies with TiO<sub>2</sub>, ZnO, Fullerene and Graphene for water purification**

Zahraa Youssef <sup>a,b</sup>, Ludovic Colombeau <sup>a,c</sup>, Nurlykyz Yesmurzayeva <sup>a</sup>, Francis Baros <sup>a</sup>, Régis Vanderesse <sup>c</sup>, Tayssir Hamieh <sup>b</sup>, Joumana Toufaily <sup>b</sup>, Céline Frochot <sup>a</sup>, Thibault Roques-Carmes <sup>a,\*</sup>

<sup>a</sup> Université de Lorraine, Laboratoire Réactions et Génie des Procédés, UMR 7274 CNRS, 54000 Nancy, France

<sup>b</sup> Laboratory of Materials, Catalysis, Environment and Analytical Methods, Faculty of Sciences I, Lebanese University, Campus Rafic Hariri, Beyrouth, Lebanon

<sup>c</sup> Université de Lorraine, Laboratoire de Chimie Physique Macromoléculaire, UMR 7375 CNRS 54000 Nancy, France

Download English Version:

<https://daneshyari.com/en/article/6597641>

Download Persian Version:

<https://daneshyari.com/article/6597641>

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