

# Accepted Manuscript

Title: Comparative electrochemical oxidation of methyl orange azo dye using Ti/Ir-Pb, Ti/Ir-Sn, Ti/Ru-Pb, Ti/Pt-Pd and Ti/RuO<sub>2</sub> anodes

Authors: Eloy Isarain-Chávez, Maria Dolors Baró, Emma Rossinyol, Ulises Morales-Ortiz, Jordi Sort, Enric Brillas, Eva Pellicer



PII: S0013-4686(17)31097-6

DOI: <http://dx.doi.org/doi:10.1016/j.electacta.2017.05.101>

Reference: EA 29536

To appear in: *Electrochimica Acta*

Received date: 1-3-2017

Revised date: 10-5-2017

Accepted date: 15-5-2017

Please cite this article as: Eloy Isarain-Chávez, Maria Dolors Baró, Emma Rossinyol, Ulises Morales-Ortiz, Jordi Sort, Enric Brillas, Eva Pellicer, Comparative electrochemical oxidation of methyl orange azo dye using Ti/Ir-Pb, Ti/Ir-Sn, Ti/Ru-Pb, Ti/Pt-Pd and Ti/RuO<sub>2</sub> anodes, *Electrochimica Acta* <http://dx.doi.org/10.1016/j.electacta.2017.05.101>

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.

# Comparative electrochemical oxidation of methyl orange azo dye using Ti/Ir-Pb, Ti/Ir-Sn, Ti/Ru-Pb, Ti/Pt-Pd and Ti/RuO<sub>2</sub> anodes

Eloy Isarain-Chávez <sup>a,\*</sup>, Maria Dolors Baró <sup>a</sup>, Emma Rossinyol <sup>b</sup>, Ulises Morales-Ortiz <sup>c</sup>, Jordi Sort <sup>a,d</sup>, Enric Brillas <sup>e,\*,<sup>1</sup>, Eva Pellicer <sup>a,\*</sup></sup>

<sup>a</sup> Departament de Física, Universitat Autònoma de Barcelona, E-08193 Bellaterra, Spain.

<sup>b</sup> Servei de Microscòpia, Universitat Autònoma de Barcelona, E-08193 Bellaterra, Spain.

<sup>c</sup> Departamento de Química. Universidad Autónoma Metropolitana-Iztapalapa. Av. San Rafael Atlixco No. 186, CP. 09340, Mexico DF, Mexico.

<sup>d</sup> Institució Catalana de Recerca i Estudis Avançats (ICREA), Pg. Lluís Companys 23, E-08010 Barcelona, Spain.

<sup>e</sup> Laboratori d'Electroquímica dels Materials i del Medi Ambient, Departament de Química Física, Facultat de Química, Universitat de Barcelona, Martí i Franquès 1-11, 08028 Barcelona, Spain.

Paper submitted to be published in *Electrochimica Acta*

\*Corresponding author: E-mail: Eva.Pellicer@uab.cat (Eva Pellicer),

Isarain\_chavez@yahoo.com.mx (Isarain Chávez), brillas@ub.edu (Enric Brillas)

<sup>1</sup> Active ISE member

Download English Version:

<https://daneshyari.com/en/article/4767080>

Download Persian Version:

<https://daneshyari.com/article/4767080>

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