

## Accepted Manuscript

Title: Systematic study of sol-gel parameters on TiO<sub>2</sub> coating for CO<sub>2</sub> photoreduction

Authors: Warren Athol Thompson, Clement Perier, M. Mercedes Maroto-Valer



PII: S0926-3373(18)30626-X  
DOI: <https://doi.org/10.1016/j.apcatb.2018.07.018>  
Reference: APCATB 16840

To appear in: *Applied Catalysis B: Environmental*

Received date: 8-3-2018  
Revised date: 6-7-2018  
Accepted date: 8-7-2018

Please cite this article as: Thompson WA, Perier C, Maroto-Valer MM, Systematic study of sol-gel parameters on TiO<sub>2</sub> coating for CO<sub>2</sub> photoreduction, *Applied Catalysis B: Environmental* (2018), <https://doi.org/10.1016/j.apcatb.2018.07.018>

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.

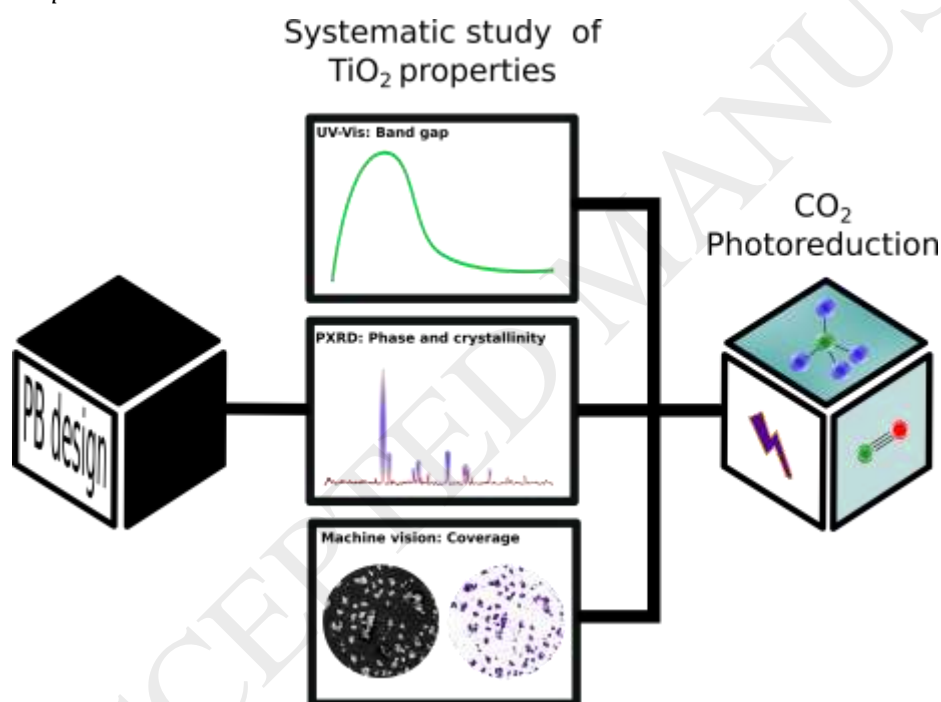
# Systematic study of sol-gel parameters on TiO<sub>2</sub> coating for CO<sub>2</sub> photoreduction

Warren Athol Thompson\*, Clement Perier and M. Mercedes Maroto-Valer

Research Centre for Carbon Solutions (RCCS), School of Engineering & Physical Sciences, Heriot-Watt University, Edinburgh, EH14 4AS, UK

\*Corresponding Author: wat1@hw.ac.uk

Graphical abstract



Highlights

- Systematic investigation of TiO<sub>2</sub> sol-gel parameters for CO<sub>2</sub> photoreduction
- Machine vision to estimate coverage of sol-gel coatings
- Optimisation of sol-gel procedure and benchmarking against P25 TiO<sub>2</sub>

Download English Version:

<https://daneshyari.com/en/article/6498036>

Download Persian Version:

<https://daneshyari.com/article/6498036>

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