

## Accepted Manuscript

Title: Platinum Assisted by Carbon Quantum Dots for Methanol Electro-oxidation

Authors: Dan Pan, Xingwei Li, Aofeng Zhang

PII: S0169-4332(17)32708-3  
DOI: <http://dx.doi.org/10.1016/j.apsusc.2017.09.060>  
Reference: APSUSC 37139

To appear in: *APSUSC*

Received date: 13-7-2017  
Revised date: 6-9-2017  
Accepted date: 9-9-2017



Please cite this article as: Dan Pan, Xingwei Li, Aofeng Zhang, Platinum Assisted by Carbon Quantum Dots for Methanol Electro-oxidation, Applied Surface Science <http://dx.doi.org/10.1016/j.apsusc.2017.09.060>

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.

# Platinum Assisted by Carbon Quantum Dots for Methanol Electro-oxidation

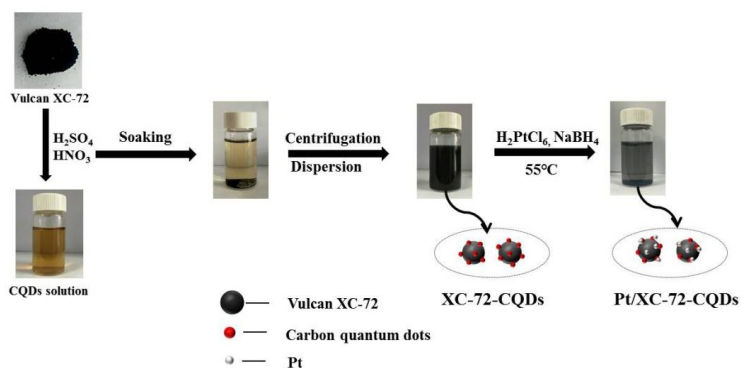
Dan Pan, Xingwei Li\* and Aofeng Zhang

Shanghai Key Laboratory of Advanced Polymeric Materials, Key Laboratory for Ultrafine Materials of Ministry of Education, School of Materials Science and Engineering, East China University of Science and Technology, Shanghai 200237, P.R.China

\* Corresponding author, Tel/ Fax: 0086-21-64253527

E-mail: lixingwei\_nj@yahoo.com (X. W. Li)

## Graphical abstract



## Highlights

- Carbon quantum dots derived from Vulcan XC-72 carbon black are synthesized.
- Carbon black modified by carbon quantum dots is used as a support of Pt catalysts.
- Above catalyst exhibits a good catalytic performance compared with PtRu/C.

Download English Version:

<https://daneshyari.com/en/article/5349282>

Download Persian Version:

<https://daneshyari.com/article/5349282>

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