Accepted Manuscript

Boosting Pt oxygen reduction reaction activity and durability by carbon semi-coated titania nanorods for proton exchange membrane fuel cells

P. Dhanasekaran, S. Vinod Selvaganesh, Avanish Shukla, N. Nagaraju, S.D. Bhat

PII: S0013-4686(18)30123-3

DOI: 10.1016/j.electacta.2018.01.081

Reference: EA 31063

To appear in: Electrochimica Acta

Received Date: 26 October 2017
Revised Date: 20 December 2017
Accepted Date: 12 January 2018

Please cite this article as: P. Dhanasekaran, S.V. Selvaganesh, A. Shukla, N. Nagaraju, S.D. Bhat, Boosting Pt oxygen reduction reaction activity and durability by carbon semi-coated titania nanorods for proton exchange membrane fuel cells, *Electrochimica Acta* (2018), doi: 10.1016/j.electacta.2018.01.081.

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.



ACCEPTED MANUSCRIPT

Boosting Pt oxygen reduction reaction activity and durability by carbon semi-coated titania nanorods for proton exchange membrane fuel cells

P. Dhanasekaran, a, * S. Vinod Selvaganesh, Avanish Shukla, b, N. Nagaraju, S. D. Bhat, *

^aCSIR-Central Electrochemical Research Institute (CECRI)-Madras Unit, CSIR-Madras Complex, Chennai 600 113, Tamil Nadu, India.

^bAcademy of Scientific and Innovative Research (AcSIR), CSIR-CECRI Campus, Karaikudi.

Address

P. Dhanasekaran,

CSIR-Central Electrochemical Research Institute-Madras Unit, CSIR Madras Complex,

Chennai-600 113, India

e-mail: dhanascient@gmail.com

Dr. S. Vinod Selvaganesh,

CSIR-Central Electrochemical Research Institute-Madras Unit, CSIR Madras Complex,

Chennai-600 113, India

e-mail:svsganesh.dr@gmail.com

Avanish Shukla

CSIR-Central Electrochemical Research Institute-Madras Unit, CSIR Madras Complex,

Chennai-600 113, India

e-mail: avanishshukla5@gmail.com

N. Nagaraju

CSIR-Central Electrochemical Research Institute-Madras Unit, CSIR Madras Complex,

Chennai-600 113, India

e-mail: nagarajuncmr@gmail.com

Dr. Santoshkumar D. Bhat,

CSIR-Central Electrochemical Research Institute-Madras Unit, CSIR Madras Complex,

Chennai-600 113, India

e-mail: sdbhat@cecri.res.in

Download English Version:

https://daneshyari.com/en/article/6604508

Download Persian Version:

https://daneshyari.com/article/6604508

<u>Daneshyari.com</u>