Accepted Manuscript

Hierarchical rutile TiO2 heterostructures and plasmon impregnated TiO2/SnO2-Ag bilayer nanocomposites as proficient photoanode systems

J. Annai Joseph Steffy, P. Naveen Kumar, J. Sahaya Selva Mary, W. Jothi Jeyarani, Tenzin Tenkyong, K. Pugazhendhi, V. Chandrakala, J. Merline Shyla

PII: S0257-8972(16)31359-7

DOI: doi: 10.1016/j.surfcoat.2016.12.071

Reference: SCT 21928

To appear in: Surface & Coatings Technology

Received date: 1 October 2016 Revised date: 17 December 2016 Accepted date: 19 December 2016

Please cite this article as: J. Annai Joseph Steffy, P. Naveen Kumar, J. Sahaya Selva Mary, W. Jothi Jeyarani, Tenzin Tenkyong, K. Pugazhendhi, V. Chandrakala, J. Merline Shyla, Hierarchical rutile TiO2 heterostructures and plasmon impregnated TiO2/SnO2-Ag bilayer nanocomposites as proficient photoanode systems. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Sct(2016), doi: 10.1016/j.surfcoat.2016.12.071

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

Hierarchical rutile TiO₂ heterostructures and plasmon impregnated TiO₂/SnO₂-Ag bilayer nanocomposites as proficient photoanode systems

J. Annai Joseph Steffy, P. Naveen Kumar, J. Sahaya Selva Mary, W. Jothi Jeyarani, Tenzin Tenkyong, K. Pugazhendhi, V. Chandrakala and J. Merline Shyla*

Affiliation

Department of Physics, Energy Nanotechnology Centre (ENTeC),

Loyola Institute of Frontier Energy (LIFE),

Loyola College, Chennai - 600 034, India.

E-mail: jmshyla@gmail.com

Address for correspondence

Dr J. Merline Shyla

Department of Physics, Energy Nanotechnology Centre (ENTeC),

Loyola Institute of Frontier Energy (LIFE),

Loyola College, Chennai - 600 034, India.

Tel: +91-94442 39551

Fax: +91- 44-28175566

E-mail: jmshyla@gmail.com

* Corresponding Author

Acknowledgment

This work was partially funded by the Loyola College-Times of India Major Research Grants (6LCTOI14LIF002) and the authors acknowledge the same.

Conflict of Interest

Download English Version:

https://daneshyari.com/en/article/5465657

Download Persian Version:

https://daneshyari.com/article/5465657

<u>Daneshyari.com</u>