

Accepted Manuscript

Title: Influence of pre-oxidation, versus post-oxidation of carbon nanohorns in TiO₂ nanohybrid for enhanced photocatalytic hydrogen production

Authors: M. Mamatha Kumari, M. Jagannatham, A. Joseph Berkman, Prathap Haridoss, N. Lakshman Reddy, M.V. Shankar



PII: S0025-5408(18)31766-5
DOI: <https://doi.org/10.1016/j.materresbull.2018.09.010>
Reference: MRB 10177

To appear in: *MRB*

Received date: 6-6-2018
Revised date: 18-8-2018
Accepted date: 6-9-2018

Please cite this article as: Kumari MM, Jagannatham M, Berkman AJ, Haridoss P, Reddy NL, Shankar MV, Influence of pre-oxidation, versus post-oxidation of carbon nanohorns in TiO₂ nanohybrid for enhanced photocatalytic hydrogen production, *Materials Research Bulletin* (2018), <https://doi.org/10.1016/j.materresbull.2018.09.010>

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.

Influence of pre-oxidation, versus post-oxidation of carbon nanohorns in TiO₂ nanohybrid for enhanced photocatalytic hydrogen production

M. Mamatha Kumari^{a,b*}, M. Jagannatham^b, A. Joseph Berkman^b, Prathap Haridoss^{b*}, N. Lakshman Reddy^a, M.V. Shankar^a

^aNanocatalysis and Solar Fuels Research Laboratory, Department of Materials Science & Nanotechnology, Yogi Vemana University, Kadapa – 516 005, Andhra Pradesh, INDIA.

^bDepartment of Metallurgical and Materials Engineering, Indian Institute of Technology Madras, Chennai 600 036, Tamil Nadu, INDIA.

**Corresponding author*

Email: mamatha@yogivemanauniversity.ac.in (Dr.M.Mamatha Kumari)

Telephone: +91-8886577869

E-mail: prathap@iitm.ac.in (Prof.Prathap Haridoss)

Telephone: +91- 9444468235

Graphical Abstract

Download English Version:

<https://daneshyari.com/en/article/10155595>

Download Persian Version:

<https://daneshyari.com/article/10155595>

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