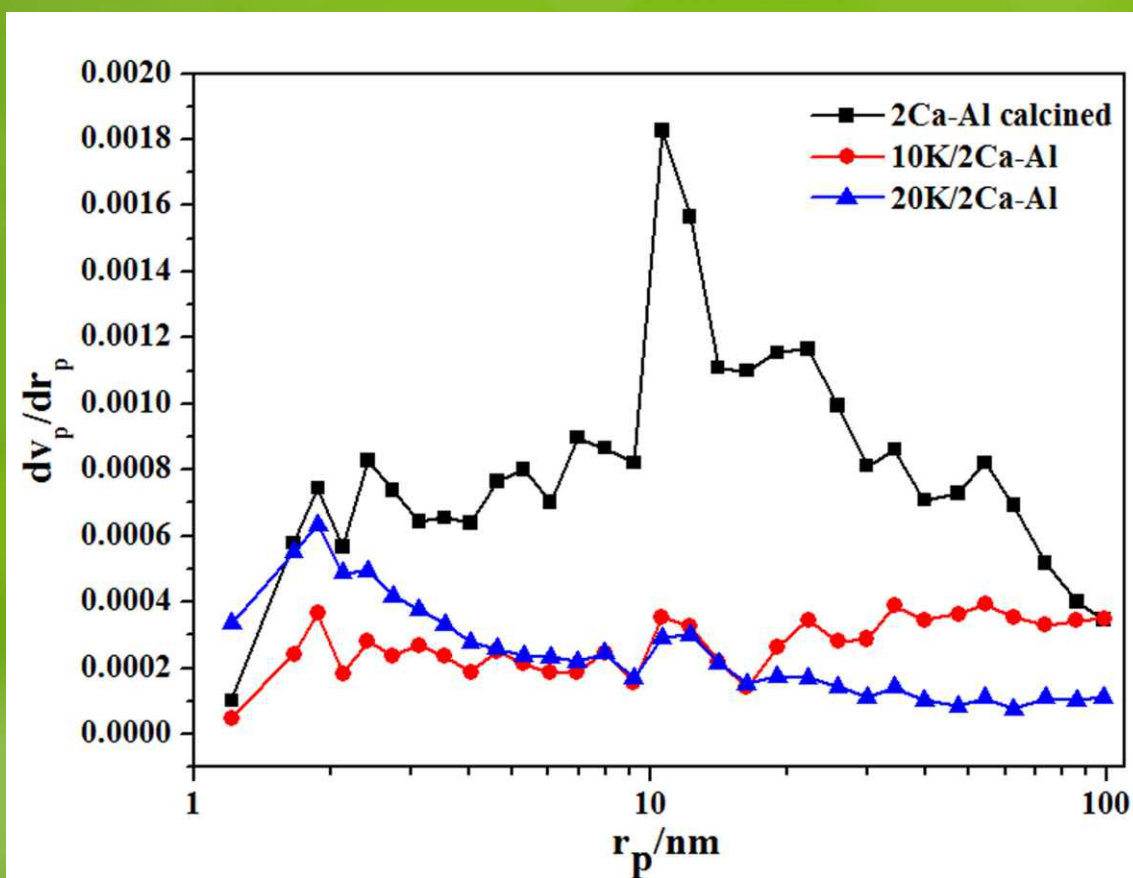




Modern Research in Catalysis



ISSN: 2168-4480



9 772168 448000 04

Journal Editorial Board

ISSN: 2168-4480 (Print), 2168-4499 (Online)

<http://www.scirp.org/journal/mrc>

Editor-in-Chief

Prof. Elio Santacesaria

University of Napoli Federico II, Italy

Editorial Board

Dr. Pedro Aguirre

University of Chile, Chile

Prof. Erdogan Alper

Hacettepe University, Turkey

Dr. Subhash Banerjee

Guru Ghasidas Vishwavidyalaya, India

Prof. Apurba Bhattacharya

Texas A&M Kingsville, USA

Prof. Yu-Wen Chen

National Central University, Chinese Taipei

Dr. Zhengdong Cheng

Texas A&M University, USA

Dr. Michael Daramola

Delft University, Netherlands

Dr. Ashish Dhawan

Midori Renewables Inc., USA

Dr. P. Govindaswamy

Indian Oil Corporation Limited, India

Dr. Ismail Ibrahim

Mid Sweden University, Sweden

Dr. Ivan Kurtovic

New Zealand Institute for Plant & Food Research Limited, New Zealand

Dr. Satish Lakhapatri

Codexis, USA

Prof. Chin-Jung Lin

National Ilan University, Chinese Taipei

Dr. Massoud(Matt) Miri

Rochester Institute of Technology, USA

Dr. Zeeshan Nawaz

SABIC Technology Center, Saudi Arabia

Dr. Juan García Rodríguez

Universidad Complutense de Madrid, Spain

Dr. Ali Asghar Rownaghi

Georgia Institute of Technology, USA

Dr. Lakshi Saikia

CSIR-North East Institute of Science and Technology, India

Dr. Jing Shang

Peking University, China

Dr. Md. Hasan Zahir

King Fahd University of Petroleum & Minerals, Saudi Arabia

Table of Contents

Volume 3 Number 4

October 2014

**Preparation Physicochemical Characterization and Catalytic Applications of
Polystyrene Ethylenediamine Tetra Acetic Acid Cu(II) Metal Complex**

I. R. Parrey, S. Anayutullah, A. A. Hashmi.....107

Ca-Al Hydrotalcites as Catalysts for Methanolysis and Ethanolysis of Soybean Oil

E. A. N. Simonetti, G. P. Thim, G. G. Cortez.....117

**Temperature and pH Dependent Deactivation of Cutinases from *Thermobifida fusca*:
A Comparative Study of Homologous Enzymes**

K. Hegde, V. D. Veeranki.....128

Modern Research in Catalysis (MRC)

Journal Information

SUBSCRIPTIONS

The *Modern Research in Catalysis* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$59 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2014 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

COPYRIGHT FOR INDIVIDUAL PAPERS OF THE JOURNAL:

Copyright © 2014 by author(s) and Scientific Research Publishing Inc.

REUSE RIGHTS FOR INDIVIDUAL PAPERS:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

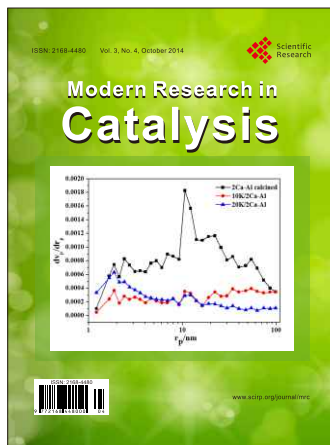
DISCLAIMER OF LIABILITY

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: mrc@scirp.org



Modern Research in Catalysis

ISSN: 2168-4480 (Print) ISSN: 2168-4499 (Online)

<http://www.scirp.org/journal/mrc>

Modern Research in Catalysis (MRC) is an open access journal published quarterly. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in all aspects of Catalyst.

Editorial Board

Dr. Pedro Aguirre
Prof. Erdogan Alper
Dr. Subhash Banerjee
Prof. Apurba Bhattacharya
Prof. Yu-Wen Chen
Dr. Zhengdong Cheng
Dr. Michael Daramola

Dr. Ashish Dhawan
Dr. P. Govindaswamy
Dr. Ismail Ibrahim
Dr. Ivan Kurtovic
Dr. Satish Lakhapatri
Prof. Chin-Jung Lin
Dr. Massoud(Matt) Miri

Dr. Zeeshan Nawaz
Dr. Juan García Rodríguez
Dr. Ali Asghar Rownaghi
Dr. Lakshi Saikia
Dr. Jing Shang
Dr. Md. Hasan Zahir

Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous peer-review process. Accepted papers will immediately appear online followed by printed in hard copy. The areas covered by Modern Research in Catalysis (MRC) include but are not limited to the following fields:

- Applications of Catalysts
- Catalysis by Nano-Materials
- Catalytic Function to Fundamental Chemical Processes at Surfaces and in Metal Complexes
- Catalytic Reactions
- Computational Catalysis
- Electrocatalysis
- Enzymatic Catalysis and Spectroscopic Methods for Structural Characterization
- Heterogeneous Catalysis
- Homogeneous Catalysis
- Novel Concepts in Surface Chemistry
- Organocatalysis
- Significant of Catalysis
- Supported Organometallic Catalysis
- Surface Chemistry
- Synthesis and Catalytic Function of Novel Inorganic Solids and Complexes
- Theoretical Methods of the Catalytic Processes

We are also interested in: 1) Short reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book reviews—Comments and critiques.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/mrc> Email: mrc@scirp.org