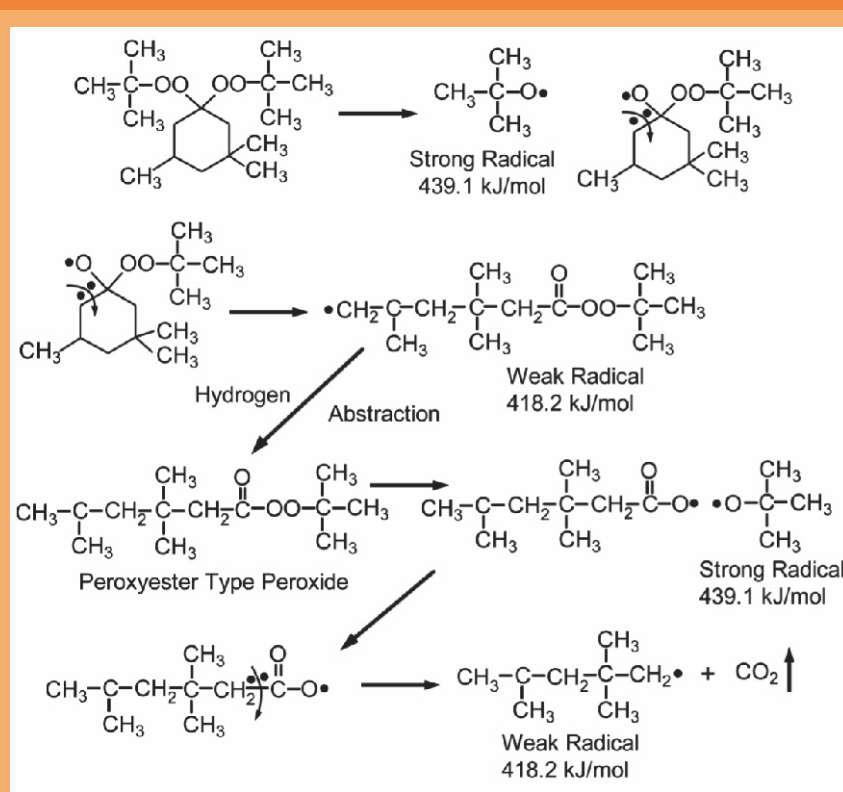




Open Journal of Polymer Chemistry



ISSN: 2165-6681



9 772165 668005 02

Journal Editorial Board

ISSN 2165-6681 (Print) ISSN 2165-6711 (Online)

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

Editor in Chief

Prof. Emilio Bucio

National University of Mexico, Mexico

Prof. Arno Seeboth

Fraunhofer Institute for Applied Polymer Research, Germany

Editorial Board

Prof. Luc Averous

University of Strasbourg, France

Dr. Durairaj Baskaran

University of Tennessee, USA

Dr. Jeanette M. Cardamone

Eastern Regional Research Center, USA

Dr. Zhengdong Cheng

Texas A&M University, USA

Prof. Yakai Feng

Tianjin University, China

Prof. Chang-Sik Ha

Pusan National University, Korea (South)

Dr. Ichiro Imae

Hiroshima University, Japan

Prof. Beom Soo Kim

Chungbuk National University, Korea (South)

Prof. Junqiu Liu

Jilin University, China

Prof. Sang Hak Lee

Kyungpook National University, Korea (South)

Prof. Tarek M. Madkour

American University in Cairo, Egypt

Prof. Rinaldo Marguerite

Joseph Fourier University, France

Dr. Ajay Kumar Mishra

University of Johannesburg, South Africa

Prof. Placido Mineo

University of Catania, Italy

Prof. Ranganathaiah Chikkakuntappa

University of Mysore, India

Dr. Michael R. Roner

University of Texas, USA

Prof. Kestur G. Satyanrayana

B. M. S. College of Engineering, India

Prof. Adel Zaki El-Sonbati

Mansoura University, Egypt

Prof. De-Yi Wang

Leibniz Institute of Polymer Research, Germany

Prof. Jinying Yuan

singhua University, China

Dr. Shin-ichi Yusa

University of Hyogo, Japan

TABLE OF CONTENTS

Volume 2 Number 2

May 2012

Effect of Fiber Loading and Compatibilizer on Rheological, Mechanical and Morphological Behaviors

I. A. Noranizan, I. Ahmad.....31

Synthesis and Characterization of Lactone Functional Macromonomers by End Group Deactivation and Their Use in Miktoarm Star Polymer

K. Demirelli, F. Bezgin.....42

Cellulose Microfibril from Banana Peels as a Nanoreinforcing Fillers for Zein Films

M. Phiriyawirut, P. Maniaw.....56

PEBAXTM-Silanized Al₂O₃ Composite. Synthesis and Characterization

J. C. I. Lara-Estévez, L. A. S. de A. Prado, K. Schulte, E. Bucio.....63

Surface Modification of Waste Tire by Grafting with Styrene and Maleic Anhydride

Y. A. Aggour, A. S. Al-Shihri, M. R. Bazzt.....70

Effects of Organic Peroxides on the Curing Behavior of EVA Encapsulant Resin

K. Thaworn, P. Buahom, S. Areerat.....77

Characterization of the Burning Behaviour of Plastics by a New Method

C. Vogel, A. Mueller, D. Lehmann, F. Taeger.....86

The figure on the front cover is from the article published in Open Journal of Polymer Chemistry, 2012, Vol. 2, No. 2, pp. 77-85 by Kanthamas Thaworn, *et al.*

Open Journal of Polymer Chemistry (OJPChem)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Polymer Chemistry* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$39 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©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

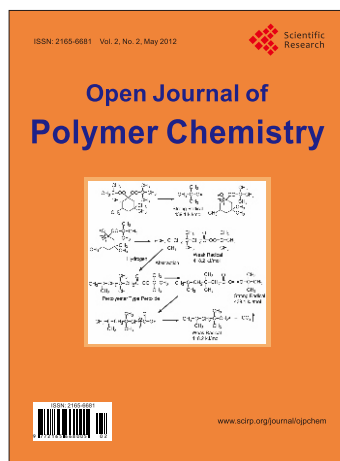
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 assumes 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: ojpchem@scirp.org



Open Journal of Polymer Chemistry (OJPChem)

ISSN 2165-6681 (Print) ISSN 2165-6711 (Online)
<http://www.scirp.org/journal/ojpchem>

Open Journal of Polymer Chemistry (OJPChem) is an international peer-reviewed, open-access journal dedicated to the latest advancement of polymer chemistry. 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 perspectives in polymer chemistry and related disciplines.

Editorial Board

Prof. Luc Averous	University of Strasbourg, France
Dr. Durairaj Baskaran	University of Tennessee, USA
Dr. Jeanette M. Cardamone	Eastern Regional Research Center, USA
Prof. Adel Zaki El-Sonbati	Mansoura University, Egypt
Dr. Zhengdong Cheng	Texas A&M University, USA
Prof. Yakai Feng	Tianjin University, China
Prof. Chang-Sik Ha	Pusan National University, Korea (South)
Dr. Ichiro Imae	Hiroshima University, Japan
Prof. Beom Soo Kim	Chungbuk National University, Korea (South)
Prof. Junqiu Liu	Jilin University, China
Prof. Sang Hak Lee	Kyungpook National University, Korea (South)
Prof. Tarek M. Madkour	American University in Cairo, Egypt
Prof. Rinaldo Marguerite	Joseph Fourier University, France
Dr. Ajay Kumar Mishra	University of Johannesburg, South Africa
Prof. Placido Mineo	University of Catania, Italy
Prof. Ranganathaiah Chikkakuntappa	University of Mysore, India
Dr. Michael R. Roner	University of Texas, USA
Prof. Kestur G. Satyanarayana	B. M. S. College of Engineering, India
Prof. De-Yi Wang	Leibniz Institute of Polymer Research, Germany
Prof. Jinying Yuan	singhua University, China
Dr. Shin-ichi Yusa	University of Hyogo, Japan

Subject Coverage

The journal publishes original papers including but not limited to the following fields:

- Application of Polymers and Water Research and Membrane
- Biopolymers
- Behavior and Propriety of Polymers in Solid-state, Melt-state or Solution
- Characteristics and Properties of Polymer/inorganic Hybrid Systems
- Chemical Modifications of Natural and Synthetic Polymers for New End- use Applications
- Functional and Advanced Polymers
- New Architectural Polymers
- Polymer Characterization
- Polymer Physical Chemistry
- Polymerization Kinetics and Mechanisms
- Synthesis and Properties of Macromolecules
- Synthetic Polymers
- Synthesis-Structure Relationships

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 submission, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/ojpchem> E-mail: ojpchem@scirp.org