

ISSN: 2161-7678 Vol.1, No.1, April 2011



Scientific
Research

Journal of Crystallization Process and Technology

ISSN: 2161-7678



www.scirp.org/journal/jcpt

Journal Editorial Board

ISSN 2161-7678 (Print) ISSN 2161-7686 (Online)

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

Editor in Chief

Prof. Bouzid Menaa

Fluorotronics Inc., USA

Editorial Board

Prof. Salah Aida

University of Constantine, Algeria

Prof. Abdelkrim Chemseddine

Hahn-Meitner Institute, Germany

Prof. R. Gopalakrishnan

Crystal Research Lab, Anna University of Chennai, India

Prof. Junye Lu

Fujian Institute of the Research on the Structure of Matter, China

Prof. Shu-Shen Lu

School of Chemistry and Chemical Engineering, Sun Yat-Sen University, China

Dr. Klaus Merz

Inorganic Chemistry I, Faculty of chemistry and biochemistry,

Ruhr-Universität Bochum, Germany

Prof. Maximilyan Pugachevsky

Institute for Materials Science of the Russian Academy of Sciences, Russia

Dr. Radoljub I. Ristic

The University of Sheffield, UK

Prof. Camillo Rosano

National Institute for Cancer Research, Italy

Prof. Garth Simpson

Simpson Laboratory for Non Linear Optics, Purdue University, USA

Prof. Vitalyi Igorevich Talanin

Classic Privat University, Ukraine

Dr. Sunil Verma

Laser Materials Development & Devices Division,

Raja Ramanna Centre for Advanced Technology, India

Editorial Assistant

Jane Zeng

Scientific Research Publishing, USA Email: jcpt@scirp.org

TABLE OF CONTENTS

Volume 1 Number 1

April 2011

**A Facile Route to Phosphanylborohydrides: Synthesis, Crystal Structure and Spectroscopic Properties
of 1,2-Bis(Diphenylphosphinoborane)Ethane**

L. T. Yildirim, M. Masjedi, S. Özkar.....1

Etching and Micro-Topographical Studies of Barium Oxalate Crystals Grown in Agar Gel

P. V. Dalal, K. B. Saraf.....8

Journal of Crystallization Process and Technology (JCPT)

Journal Information

SUBSCRIPTIONS

The *Journal of Crystallization Process and Technology* (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©2011 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.

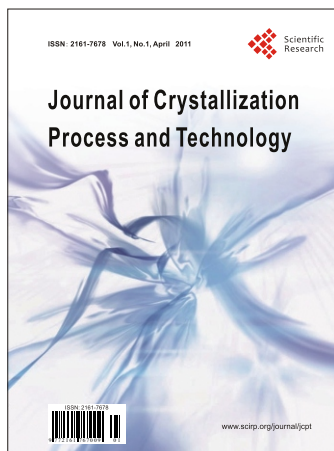
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 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: jcpt@scirp.org



Journal of Crystallization Process and Technology (JCPT)

ISSN 2161-7678 (Print) ISSN 2161-7686 (Online)

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

Journal of Crystallization Process and Technology (JCPT) is an international, specialized, English-language journal devoted to publication of original contributions concerning with the crystallization process, studies and properties of the crystalline materials.

Subject Coverage

This journal invites original research and review papers that address the following issues. Topics of interest include, but are not limited to:

- Crystals Growth, Design and Properties for Applications in Medical Sciences with Organic and Biological Substances Crystallization; Biomineralization; Opto-Electronics with Semiconductors, Superconductors, Magnetics, Inorganic and Inorganic-Organic Hybrid Materials Crystallization.
- Characterization by Physical and Chemical Methods; Apparatus, Instrumentation and Techniques for Crystal Growth, and Purification Methods.
- Crystallization as Bulk or Thin Films; Crystallization in Polymers, Liquid Crystals, Crystallization in Sol-Gel Glasses and Viscous Media.
- Crystallization Processes Including among Others Chemical Vapor Deposition, Hydrothermal, Organic, Solvent and Solvent-Free Processes.

The journal publishes the highest quality original full articles, communications, notes, reviews, special issues and books, covering both the experimental and theoretical aspects including physical, chemical, and biological phenomena and processes related to the design, growth, and application of crystalline materials. Contributions can concern also with the fundamental concepts of crystal growth and the understanding of the relationship between crystal growth conditions and resulting properties of the crystal:

- Modeling of Crystal Growth Processes.
- Nucleation Theory.
- Transport Phenomena in Crystal Growth.

Papers are acceptable provided they report important findings, novel insights or useful techniques within the scope of the journal. All manuscript must be prepared in English, and are subjected to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by prints in hard copy.

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/jcpt>

E-mail: jcpt@scirp.org