Open Journal of Synthesis Theory and Applications

\[ \text{Br}_2/\text{HNO}_3 \rightarrow 50-55^\circ\text{C}, 12\text{ h} \]

9 \[ \rightarrow \]

10

http://www.scirp.org/journal/ojsta
Journal Editorial Board

ISSN Print: 2168-1244    ISSN Online: 2168-1252
http://www.scirp.org/journal/ojsta

Editorial Board

Prof. Changle Chen
University of Science & Technology of China, China

Dr. Mahendra D. Chordia
University of Virginia, USA

Prof. Mirko Diksic
McGill University, Canada

Dr. Ahmed El-Shafei
North Carolina State University, USA

Dr. Ramesh K. Guduru
University of Michigan, USA

Prof. Bishnu Prasad Khanal
Intel Corporation, USA

Prof. Ahmed I. Khodair
Kafrel Sheikh University, Egypt

Prof. Jingbo Louise Liu
Texas A&M University-Kingsville, USA

Dr. Subramanya Ravi Kiran Pingali
Xavier University of Louisiana, USA

Dr. Ramona Pristavita
McGill University, Canada

Dr. Jun Qi
Dana-Farber Cancer Institute, USA

Dr. Protima Rauwel
University of Oslo, Norway

Dr. Eric W. Reinheimer
California State University, USA

Prof. Yuk Yin Sham
University of Minnesota, USA

Prof. Rafat Ali Siddiqui
Indiana University School of Medicine, USA

Dr. Sarabjit Singh
Defence Metallurgical Research Laboratory, India

Dr. Jianguo Zhang
Nanjing University of Technology, China
# Table of Contents

**Volume 3 Number 2**

**April 2014**

**Aromatic Bromination in Concentrated Nitric Acid**  
A. M. Andrievsky, V. I. Lomzakova, M. K. Grachev, M. V. Gorelik

Open Journal of Synthesis Theory and Applications (OJSTA)

Journal Information

SUBSCRIPTIONS


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)
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: ojsta@scirp.org
Open Journal of Synthesis Theory and Applications (OJSTA) 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 different areas of Synthesis.

**Editorial Board**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Changle Chen</td>
<td>University of Science &amp; Technology of China, China</td>
</tr>
<tr>
<td>Dr. Mahendra D. Chordia</td>
<td>University of Virginia, USA</td>
</tr>
<tr>
<td>Prof. Mirko Diksic</td>
<td>McGill University, Canada</td>
</tr>
<tr>
<td>Dr. Ahmed El-Shafei</td>
<td>North Carolina State University, USA</td>
</tr>
<tr>
<td>Dr. Ramesh K. Guduru</td>
<td>University of Michigan, USA</td>
</tr>
<tr>
<td>Prof. Bishnu Prasad Khanal</td>
<td>Intel Corporation, USA</td>
</tr>
<tr>
<td>Prof. Ahmed I. Khodair</td>
<td>Kafrel Sheikh University, Egypt</td>
</tr>
<tr>
<td>Prof. Jingbo Louise Liu</td>
<td>Texas A&amp;M University-Kingsville, USA</td>
</tr>
<tr>
<td>Dr. Subramanya Ravi Kiran Pingali</td>
<td>Xavier University of Louisiana, USA</td>
</tr>
<tr>
<td>Dr. Ramona Pristavita</td>
<td>McGill University, Canada</td>
</tr>
<tr>
<td>Dr. Jun Qi</td>
<td>Dana-Farber Cancer Institute, USA</td>
</tr>
<tr>
<td>Dr. Protima Rauwel</td>
<td>University of Oslo, Norway</td>
</tr>
<tr>
<td>Dr. Eric W. Reinheimer</td>
<td>California State University, USA</td>
</tr>
<tr>
<td>Prof. Yuk Yin Sham</td>
<td>University of Minnesota, USA</td>
</tr>
<tr>
<td>Prof. Rafat Ali Siddiqui</td>
<td>Indiana University School of Medicine, USA</td>
</tr>
<tr>
<td>Dr. Sarabjit Singh</td>
<td>Defence Metallurgical Research Laboratory, India</td>
</tr>
<tr>
<td>Dr. Jianguo Zhang</td>
<td>Nanjing University of Technology, China</td>
</tr>
</tbody>
</table>

**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 Open Journal of Synthesis Theory and Applications (OJSTA) include but are not limited to the following fields:

- Amino acid synthesis
- ATP synthesis
- Biosynthesis
- Catalytic synthesis
- Chemical synthesis
- Chemosynthesis
- Dehydration synthesis
- DNA synthesis
- Linear synthesis
- Nucleosynthesis
- Organic synthesis
- Paal-Knorr synthesis
- Peptide synthesis
- Photosynthesis
- Protein biosynthesis
- RNA synthesis
- Total synthesis

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.

**Website and E-Mail**

http://www.scirp.org/journal/ojsta  Email: ojsta@scirp.org