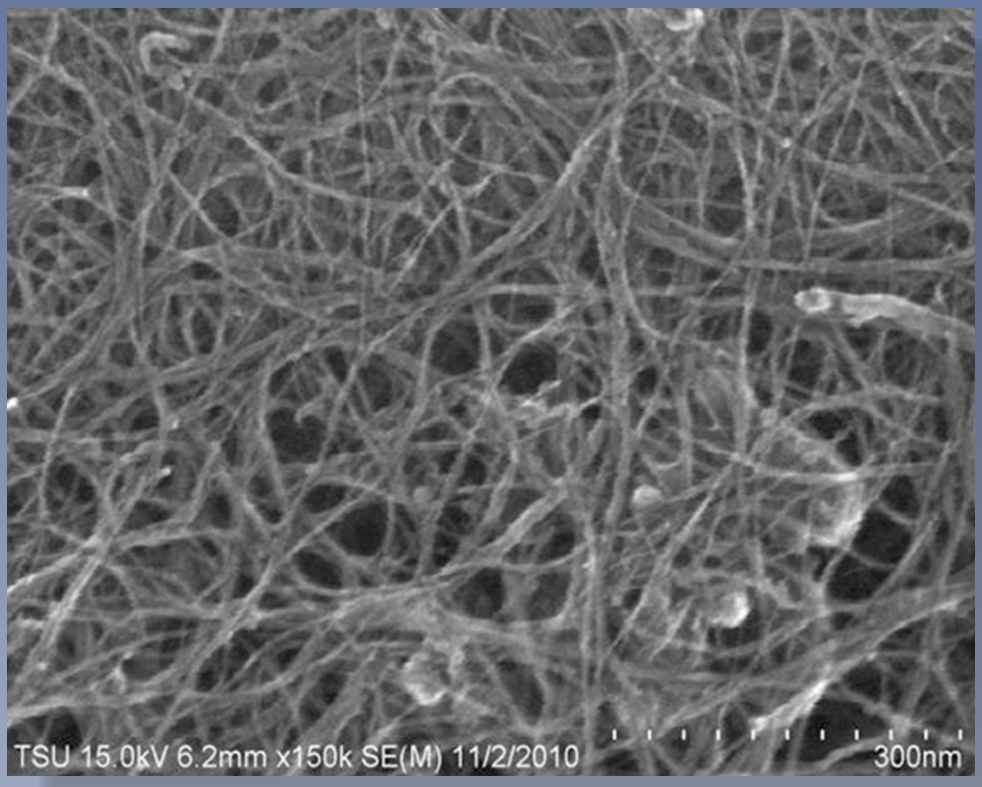
ISSN: 2164-5612 Vol. 3, No. 2A, April 2013

Scientific Research

Open Journal of Composite Materials

Special Issue on Carbon Nanotube



ISSN: 2164-5612
9772164561203 02A

www.scirp.org/journal/ojcm

Journal Editorial Board

ISSN 2164-5612 (Print) ISSN 2164-5655 (Online)

http://www.scirp.org/journal/ojcm

Editors-in-Chief

Dr. Chengye Fan	C-FER Technologies, Canada
Dr. Xiaosong Huang	General Motors Global R&D, USA

Editorial Board

Prof. Mehmet Aktaş	Usak University, Turkey
Dr. Mohammad Reza Allazadeh	Hungarian Academy of Sciences, Hungary
Dr. S. Joseph Antony	University of Leeds, UK
Prof. Daniel C. Davis	University of Houston, USA
Prof. Igor Emri	Institute for Sustainable Innovative Technologies, USA
Dr. Hessam Ghasemnejad	Kingston University, UK
Prof. Hyun-Joong Kim	Seoul National University, South Korea
Prof. Walter Lacarbonara	Sapienza University of Rome, Italy
Dr. Richard Jyh-Tsong Lin	University of Auckland, New Zealand
Dr. Y. Charles Lu	University of Kentucky, USA
Dr. Abbas S. Milani	University of British Columbia, Canada
Prof. Marcelo Francisco de Sousa Ferreira de Moura	University of Porto, Portugal
Dr. Hayder A. Rasheed	Kansas State University, USA
Dr. Carlo Santulli	Università La Sapienza, Italy
Prof. Mahmood M. Shokrieh	Iran University of Science and Technology, Iran

Open Journal of Composite Materials, **2013, 3, 1-54**
Published Online April 2013 in SciRes (http://www.scirp.org/journal/ojcm/)

TABLE OF CONTENTS

Volume 3 Number 2A April 2013

Improvement in Mechanical and Thermo-Mechanical Properties of Epoxy Composite Using Two Different Functionalized Multi-Walled Carbon Nanotubes

M. B. A. Salam, M. V. Hosur, S. Zainuddin, S. Jeelani……1

Geometrical Modeling of Walls of Multiwall Carbon Nanotube

K. P. S. S. Hembram, K. Reddappa Reddy, G. Mohan Rao……10

Laser Synthesis of Metal Oxide Crystals with the Use of Carbon Nanotubes

D. V. Abramov, S. M. Arakelian, D. A. Kochuyev, S. A. Makov, V. G. Prokoshev, K. S. Khorkov……16

Anatase Titanium Dioxide Coated Single Wall Carbon Nanotubes Manufactured by Sonochemical-Hydrothermal Technique

P. Clemens, X. Wei, B. L. Wilson, R. L. Thomas……21

Transparent and Biocompatible Electrodes Based on Carbon Nanotubes/Albumin Composite

D. Kireev, I. I. Bobrinetskiy, A. S. Seleznev, I. V. Fedorov, A. V. Romashkin, R. A. Morozov……33

Effect of Carboxyl Functionalized MWCNTs on the Cure Behavior of Epoxy Resin

N. Jahan, A.-T. Narteh, M. Hosur, M. Rahman, S. Jeelani……40

Crossover to Quantized Thermal Conductance in Nanotubes and Nanowires

K. Yamamoto, H. Ishii, N. Kobayashi, K. Hirose……48

The figure on the front cover is from the article published in Open Journal of Composite Materials, 2013, Vol. 3, No. 2A, pp. 21-32 by Paul Clemens, Xin Wei, Bobby L. Wilson and Renard L. Thomas.

Copyright © 2013 SciRes.

Open Journal of Composite Materials (OJCM)
Journal Information

SUBSCRIPTIONS

The *Open Journal of Composite Materials* (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©2013 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: ojcm@scirp.org

Call for Papers



Open Journal of Composite Materials

ISSN 2164-5612 (Print) ISSN 2164-5655 (Online)
www.scirp.org/journal/ojcm

Open Journal of Composite Materials (OJCM) is an international journal dedicated to the latest advancement of composite materials. 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 composite materials.

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- ◆Bio-Composite Materials
- ◆Composite Materials in Other Disciplines
- ◆Functional Composites
- ◆Inorganic Non-Metallic Matrix Composite
- ◆Metal Matrix Composites
- ◆Organic-Inorganic Hybrid Composites
- ◆Polymer Composites

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 arerefereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

http://www.scirp.org/journal/ojcm E-mail: ojcm@scirp.org