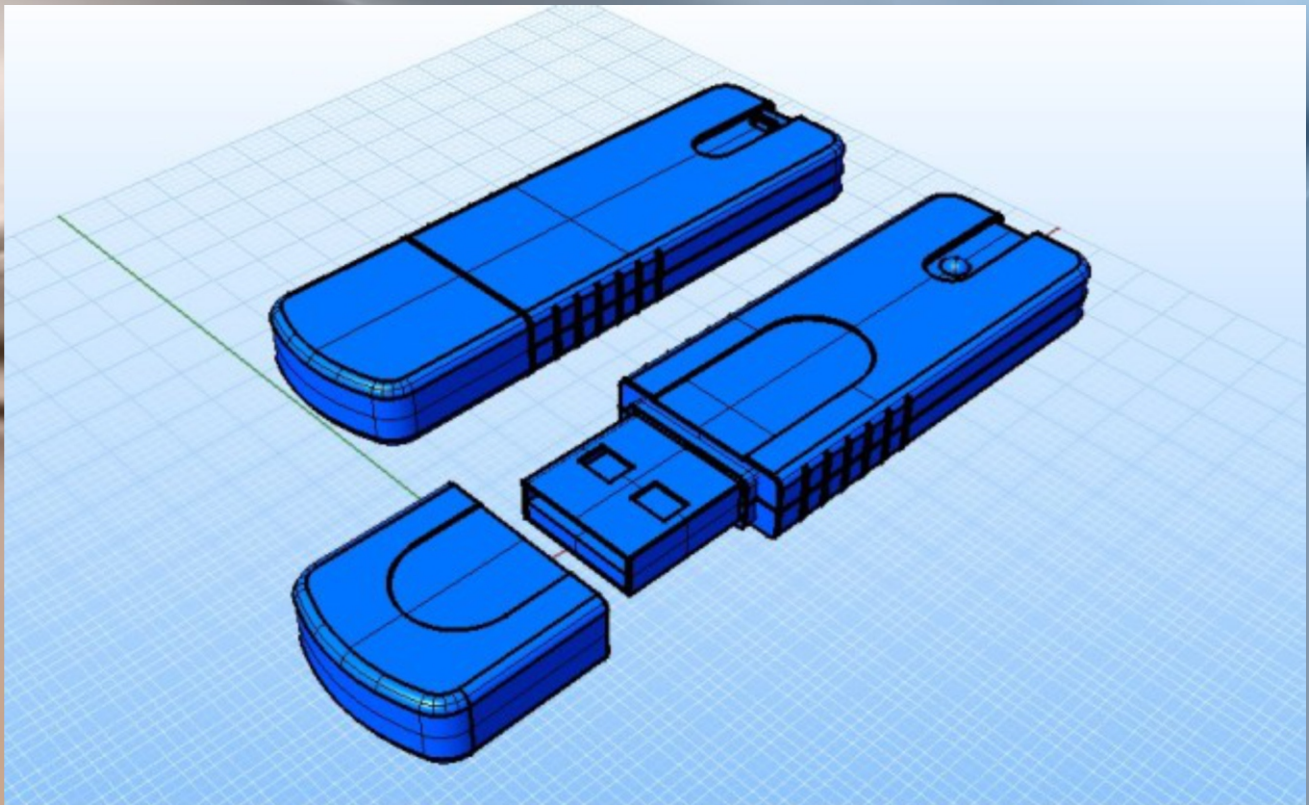


Modeling and Numerical Simulation of Material Science



Journal Editorial Board

ISSN: 2164-5345 (Print) ISSN: 2164-5353 (Online)

<https://www.scirp.org/journal/mnsms>

Honorary Editor-in-Chief

Prof. Kiet Tieu University of Wollongong, Australia

Executive Editor-in-Chief

Prof. Hailiang Yu Central South University, China

Editorial Board

Dr. Jean-Pierre Badiali	Laboratoire d'Electrochimie Chimie Analytique, France
Dr. François Barthelat	McGill University, Canada
Prof. Giuseppe Bonifazi	Università di Roma, Italy
Prof. Roberto Brighenti	University of Parma, Italy
Prof. Zhenshan Cui	Shanghai Jiao Tong University, China
Dr. Raj Das	University of Auckland, New Zealand
Dr. Behzad Fatahi	University of Technology Sydney (UTS), Australia
Prof. Ming Wang Fu	The Hong Kong Polytechnic University, China
Dr. Shaogang Hao	Iowa State University, USA
Prof. Alireza Heidari	American International Standards Institute (AISI), Irvine, California, USA
Dr. Chen Huang	Los Alamos National Laboratory, USA
Dr. Ayhan Ince	General Dynamics Land Systems, Canada
Dr. Jinwu Kang	Tsinghua University, China
Prof. Tariq A. Khraishi	University of New Mexico (UNM), USA
Prof. Alexandre Ksenofontov	National Research Nuclear University, Russia
Prof. Xianghua Liu	Northeastern University, China
Dr. Yingtao Liu	University of Oklahoma, USA
Dr. Cheng Lu	University of Wollongong, Australia
Dr. Jane Weizhen Lu	City University of Hong Kong, China
Prof. Gilles Lubineau	COHMAS Laboratory, Saudi Arabia
Dr. Qing Peng	Rensselaer Polytechnic Institute, USA
Prof. Houfa Shen	Tsinghua University, China
Prof. Ashok Srivastava	Louisiana State University, USA
Dr. Ivo Stachiv	Institute of Physics, Czech Academy Sciences, Czech Republic
Prof. Baolin Wang	The University of New South Wales, Australia
Dr. Huanan Yu	Washington State University, USA
Prof. Hamit Yurtseven	Middle East Technical University, Türkiye
Prof. Shihong Zhang	Chinese Academy of Sciences, China

Table of Contents

Volume 15 Number 4

October 2025

Modeling and Performance Simulation of Organic P3HT/PCBM Solar Cells Using MATLAB

S. O. Oyedele, I. Soumahoro, M. Mariko, R. Kre, B. Aka.....49

Modeling and Numerical Simulation of Material Science (MNSMS)

Journal Information

SUBSCRIPTIONS

The *Modeling and Numerical Simulation of Material Science* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$69 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 © 2025 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 © 2025 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.

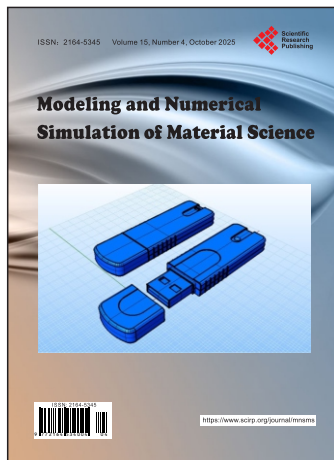
Disclaimer of liability

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: mnsms@scirp.org



Modeling and Numerical Simulation of Material Science

ISSN 2164-5345 (print) ISSN 2164-5353 (online)
<https://www.scirp.org/journal/mnsms>

Modeling and Numerical Simulation of Material Science (MNSMS) is an international peer-reviewed, open access journal publishing in English original research studies, reviews and case reports in all aspects of Material Science.

Honorary Editor-in-Chief

Prof. Kiet Tieu **University of Wollongong, Australia**

Executive Editor-in-Chief

Prof. Hailiang Yu **Central South University, China**

Subject Coverage

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

- | | | |
|---|---|--------------------------------|
| •Application of Modeling and Numerical Simulation Methods | •Ceramic Materials | •Molecular Dynamics (MD) |
| •Artificial Intelligence Method | •Composites | •Non-Ferrous Metals and Alloys |
| •Biomaterials | •Crystal Plasticity Finite Element Method | •Polymer |
| •Boundary Element Method | •Ferrous Metals and Alloys | •Slab Method |
| •Carbons | •Finite Difference Method | •Statistical Methods |
| •Cellular Automaton (CA) | •Finite Element Method | •Other Advanced Materials |

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

<https://www.scirp.org/journal/mnsms> E-mail: mnsms@scirp.org

