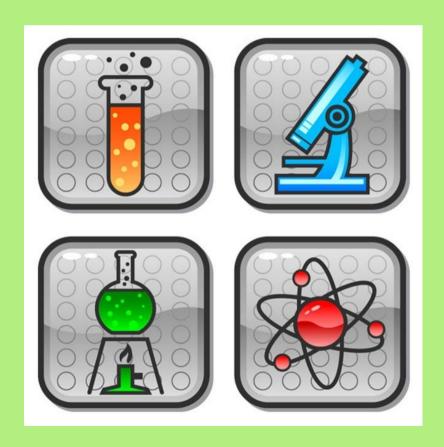


Computational Chemistry





Journal Editorial Board

ISSN 2332-5968 (Print) ISSN 2332-5984 (Online) http://www.scirp.org/journal/cc

.....

Editor-in-Chief

Prof. Anwar El-Shahawy Assiut University, Egypt

Editorial Board

Dr. Ali Khalaf Al-Matar University of Jordan, Jordan

Dr. Enrique Arribas University of Castilla-La Mancha, Spain

Prof. Nagarajan Arumugam PSG College of Pharmacy, India

Prof. Todor Dudev Sofia University, Bulgaria

Dr. Natalja Fjodorova National Institute of Chemistry, Slovenia

Dr. Selcuk Gümüs Yuzuncu Yil University, Turkey

Dr. Weiwei Han Jilin University, China

Prof. Parasuraman Jaisankar Indian Institute of Chemical Biology, India

Dr. Baiqing Li Shandong University, China

Dr. C. Gopi Mohan Amrita Institute of Medical Sciences and Research Center, India

Dr. Floriano Paes Silva JuniorInstituto Oswaldo Cruz, Brazil**Dr. Maurizio Sironi**University of Milan, Italy

Dr. Carlos P. Sosa Cray Inc and University of Minnesota, USA

Prof. Hilal S. Wahab Al-Nahrain University, Iraq
Dr. Carline Josette Weinberg Roumanian Academy, Romania

Dr. Julliane YonedaUniversidade Federal Fluminense, BrazilProf. Abdelkader ZarroukMohammed First University, Morocco



Table of Contents

Volume 4	Number 2 A	prii 2016
DFT-Quantum	Spectroscopic Studies and Anti-Cancer Effect of Ibuprofen Drug and Some Analog	gues
A. El-Shahaw	y, H. Gashlan, S. Qusti, G. Ezzat, H. Emara	33
	Complexation-Based Spectrophotometric Methods for Sensitive Determination of the Some Commercial Food Samples	of
M. M. S. Sale	h. F. Y. Hashem. N. O. A. Al-Salahi	51

Computational Chemistry (CC)

Journal Information

SUBSCRIPTIONS

The *Computational 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 AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2016 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 © 2016 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: cc@scirp.org



Computational Chemistry

ISSN: 2332-5968 (Print), 2332-5984 (Online)

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

Editorial Board

Dr. Ali Khalaf Al-Matar

Dr. Enrique Arribas

Prof. Nagarajan Arumugam

Prof. Todor Dudev

Dr. Natalja Fjodorova

Dr. Selcuk Gümüs

Dr. Weiwei Han

Prof. Parasuraman Jaisankar

Dr. Baiging Li

Dr. C. Gopi Mohan

Dr. Floriano Paes Silva Junior

Dr. Maurizio Sironi

Dr. Carlos P. Sosa

Prof. Hilal S. Wahab

Dr. Carline Josette Weinberg

Dr. Julliane Yoneda

Prof. Abdelkader Zarrouk

Subject Coverage

Computational Chemistry (CC) is a unique platform for publishing novel ideas, research outcomes and fundamental advances in all aspects of computational chemistry. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. The journal publishes original papers including but not limited to the following fields:

- Ab Initio Quantum Mechanics
- Chemical Artificial Intelligence
- Chemical Computer-Assisted Instruction
- Cheminformatics
- Chemistry Database
- Code Benchmarking
- Computational Analytical Chemistry
- Computational Biochemistry
- Computational Biophysics
- Computational Colloidal Chemistry
- Computational Electro-chemistry
- Computational Surface Chemistry
- Computer Molecular Modeling
- Computer-aided Drug Design

- Data Acquisition, Statistic Analysis and Other Applications
- Density Functional Theory
- Molecular Design
- Molecular Dynamics
- Molecular Mechanics
- Molecular Modeling
- Molecular Simulation
- Molecular Structure Modeling and Image Display
- Quantum Chemistry Calculation
- Semi-Empirical Quantum Mechanics
- Statistical Mechanics
- Theoretical Inorganic Chemistry
- Theoretical Organic Chemistry
- Theoretical Thermo Chemistry

We are also interested in: 1) Short reports—2-5 page papers where an author can present an idea with theoretical background, but has not yet completed the research needed for a complete paper or an author presents preliminary data; 2) Short communications—2-5 page papers; 3) Technical notes—2-5 page papers; 4) Letters to the Editor (the number of pages is not restricted); 5) Reviews or book reviews—comments and critiques (the number of pages is not restricted); 6) Advertisement – 1-2 page papers; 7) News Letters – 1-5 page papers.

Website and E-Mail

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience





Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org