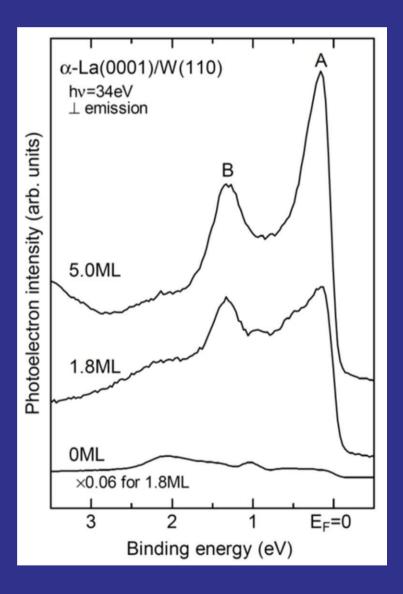


World Journal of Condensed Matter Physics





www.scirp.org/journal/wjcmp

Journal Editorial Board

ISSN: 2160-6919 (Print) ISSN: 2160-6927 (Online) http://www.scirp.org/journal/wjcmp

Editor-in-Chief

.....

Prof. Wen-Jeng Hsueh

Editorial Board

Dr. Gulmurza Abdurakhmanov **Prof. Maksimenko Sergey Afanasievich Prof. Serdar Altin** Prof. S. Balamurugan **Prof. Achim Bittner Prof. Christian Brosseau** Prof. Luigi Maxmilian Caligiuri Prof. Laurie E. Calvet Prof. Xinmin Cao **Prof. Dinko Vassilev Chakarov** Dr. Kah-Yoong Chan Prof. Jian Chen **Dr. Carmelo Corsaro** Dr. Nishad G. Deshpande Prof. Bishwajyoti Dey Prof. Fayçal Djeffal **Prof. Aswini Ghosh** Prof. Pimo He **Dr. Joseph Horvat** Prof. Rakesh Kumar Joshi **Prof. Vassilios Karavolas** Prof. Sambasiva Rao Konapala Prof. Olga Korostynska Dr. Aleksander Krupski Prof. Tankeshwar Kumar **Prof. Pui-Tak Leung** Prof. Feng-Ming Li Dr. K. Maaz **Prof. Biswanath Mallik** Prof. Li-Jian Meng **Prof. Thanos Mitrelias Prof. Alexander M. Panich** Dr. Aswini K. Pradhan Prof. Sergo Sh. Rekhviashvili Prof. Samar K. Saha **Prof. Dsc Oleg Shevaleevskiy** Dr. Nikolai A. Sobolev Prof. Bibhu Prasad Swain Prof. Roland H. Tarkhanyan Prof. Ajay Singh Verma **Prof. Jiagang Wu** Prof. Fahrettin Yakuphanoglu Prof. Renyun Zhang **Prof. Zhiyong Zhong**

National Taiwan University, Chinese Taipei

Academy of Sciences of Uzbekistan, Uzbekistan Belarus State University, Belarus Inonu University, Turkey Noorul Islam Centre for Higher Education (NICHE), India Vienna University of Technology, Austria Université de Bretagne Occidentale, France University of Calabria, Italy Université de Paris-Sud, France Xunlight Corporation, USA Chalmers University of Technology, Sweden Multimedia University, Malaysia Sun Yat-sen University, China University of Messina, Italy Shivaji University, India University of Pune, India University of Batna, Algeria Indian Association for the Cultivation of Science, India Zhejiang University, China University of Wollongong, Australia Jawaharlal Nehru University, India University of Indianapolis, Athens Campus, Greece Andhra University, India Dublin Institute of Technology, Ireland University of Warwick, UK Panjab University, India Portland State University, USA Harbin Institute of Technology, China Sungkyunkwan University, South Korea Indian Association for the Cultivation of Science, India Instituto Superior de Engenharia do Porto, Portugal University of Cambridge, UK Ben-Gurion University of the Negev, Israel Norfolk State University, USA Institute of Applied Mathematics and Automation KBSC RAS, Russia Santa Clara University, USA Russian Academy of Sciences, Russia University of Aveiro, Portugal National Institute of Advanced Industrial Science and Technology, Japan National AcSci of Armenia, Armenia Panjab University, India Sichuan University, China Firat University, Turkey Mid Sweden University, Sweden University of Electronic Science and Technology of China, China



Table of Contents

Volume 6	Number 1	February 2016
On the Real Einstein Beauty $E = Kmc^2$		
A. J. Babchin, M. S. El Naschie1		
Opto-Structural Properties of Silicon Nitride Thin Films Deposited by ECR-PECVD		
H. Charifi, A.	Slaoui, J. P. Stoquert, H. Chaib, A. Hannour	7
Angle-Resolved and Resonant Photoemission Study of the Valence Bands of $lpha$ -La(0001) on W(110)		
Y. Enta, O. M	lorimoto, H. Kato, Y. Sakisaka	
Crystal Growth, Structural and Optical Studies of CuGa $_3$ Se $_5$ Bulk Compounds		
D. Habib, G.	El Haj Moussa	
Current-Driven Domain Wall Motion: Velocity, Current and Phase Transition		
H. Yu		
Quantum Theory of Mesoscopic Fractional Electric Fields in a Cavity of Viscous Medium		
S. Iqbal, S. Ja	been, F. Sarwar, S. M. Raza	
The Boguslawski Melting Model		
V. Kh. Kozlov	skiy	
Direct Current Generation in Carbon Nanotubes by Terahertz Field		
S. S. Abukari, F. Sam, S. Y. Mensah, N. G. Mensah, R. Musah, A. Twum, P. M. Amoah, A. Owusu		

The figure on the front cover is from the article published in World Journal of Condensed Matter Physics, 2016, Vol. 6, No. 1, pp. 17-26 by Yoshiharu Enta, Osamu Morimoto, Hiroo Kato and Yasuo Sakisaka.

World Journal of Condensed Matter Physics (WJCMP)

Journal Information

SUBSCRIPTIONS

The World Journal of Condensed Matter Physics (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates: Print: \$79 per issue. To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements Advertisement Sales Department, E-mail: <u>service@scirp.org</u>

Reprints (minimum quantity 100 copies) Reprints Co-ordinator, Scientific Research Publishing, Inc., USA. E-mail: <u>sub@scirp.org</u>

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: wjcmp@scirp.org

Call for Papers



World Journal of Condensed Matter Physics (WJCMP)

ISSN 2160-6919 (print) ISSN 2160-6927 (online)

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

World Journal of Condensed Matter Physics (WJCMP) covers the whole of condensed matter physics including soft condensed matter and nanostructures. Papers may report experimental, theoretical and simulation studies. Note that papers must contain fundamental condensed matter science: papers reporting methods of materials preparation or properties of materials without novel condensed matter content will not be accepted.

National Taiwan University, Chinese Taipei

Editor-in-Chief

Prof. Wen-Jeng Hsueh

Editorial Board

Dr. Gulmurza Abdurakhmanov Prof. Maksimenko Sergey Afanasievich Prof. Serdar Altin Prof. S. Balamurugan Prof. Achim Bittner Prof. Christian Brosseau Prof. Luigi Maxmilian Caligiuri Prof. Laurie E. Calvet Prof. Xinmin Cao Prof. Dinko Vassilev Chakarov Dr. Kah-Yoong Chan Prof. Jian Chen Dr. Carmelo Corsaro Dr. Nishad G. Deshpande Prof. Bishwajyoti Dey Prof. Fayçal Djeffal Prof. Aswini Ghosh Prof. Pimo He Dr. Joseph Horvat Prof. Rakesh Kumar Joshi Prof. Vassilios Karavolas Prof. Sambasiva Rao Konapala Prof. Olga Korostynska Dr. Aleksander Krupski Prof. Tankeshwar Kumar Prof. Pui-Tak Leung Prof. Feng-Ming Li Dr. K. Maaz Prof. Biswanath Mallik Prof. Li-Jian Meng Prof. Thanos Mitrelias Prof. Alexander M. Panich Dr. Aswini K. Pradhan Prof. Sergo Sh. Rekhviashvili Prof. Samar K. Saha Prof. Dsc Oleg Shevaleevskiy Dr. Nikolai A. Sobolev Prof. Bibhu Prasad Swain Prof. Roland H. Tarkhanyan Prof. Ajay Singh Verma Prof. Jiagang Wu Prof. Fahrettin Yakuphanoglu Prof. Renyun Zhang Prof. Zhiyong Zhong

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:

Correlated Electrons Dielectrics and Ferroelectrics Electronic Structure Liquids, Soft Matter and Biological Physics Magnetism and Magnetic Materials Nanostructures and Nanoelectronics Semiconductors Solid Structure and Lattice Dynamics Superconductors and Metals Surface, Interface and Atomic-Scale Science

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the WJCMP.

Website and E-Mail

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

E-Mail: wjcmp@scirp.org

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?

Art and Design Review

Advances in

ldvances in Biological hemistry Entomology

Applied Mathematics

Engineering

COLUMN IN

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



Soft

li li

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