ІНФОРМАЦІЯ ДЛЯ ПЕРЕДПЛАТНИКІВ І АВТОРІВ

INFORMATION FOR CONTRIBUTORS

Submission of Manuscripts: Papers should be sent to the Executive Managing Editor, Editorial Office, Institute for Metal Physics, N.A.S.U., 36 Academician Vernadsky Boulevard, UA-03142 Kyiv, Ukraine. Manuscripts may also be submitted to a member of the Editorial Advisory Board or to the appropriate Editorial Board Member who is familiar with the research presented.

Submission of a paper to 'Nanosistemi, Nanomateriali, Nanotehnologii' (i.e., 'Nanosystems, Nanomaterials, Nanotechnologies') will be taken to imply that it represents <u>original</u> work not previously published, <u>it is not being considered for publication elsewhere</u>, and if accepted for publication, it will not be published in the same language without the consent of the Editors and Publisher. It is a condition of acceptance by the Editor of a typescript for publication that the Publishers acquire automatically the copyright in the typescript throughout the world.

Scope of the Collected Scientific Transactions: 'Nanosistemi, Nanomateriali, Nanotehnologii' (i.e., 'Nanosystems, Nanomaterials, Nanotechnologies'—NNN) is the quarterly multidisciplinary peer-reviewed collected scientific transactions, which publish high-quality work on all aspects of nanoscience and nanotechnology. Currently, transactions stand alone in serving the 'nano' community in providing up-to-date information on all developments and progresses being made in nanoscience and nanotechnology and the future predictions for this extraordinary technology. The topics covered by the transactions relate to all 'nano' related areas of the latest research and recent development works including nanomaterials, characterization tools, fabrication methods, numerical simulation, and theory as well as discussions in the field of nanoscience and technology ranging from basic aspects of the science of nanoscale systems and materials to practical applications of such systems and materials ranging from civil engineering to advanced molecular electronics so promising to transform our everyday technology as well as basic economics. The subjects covered include the following: 1. physical sciences; 2. chemical sciences; 3. life sciences; 4. theoretical and computational science and engineering.

Language: The language of publication may be English or Ukrainian.

Abstract: Each paper requires an English abstract of 200–250 words summarizing the significant coverage and findings.

Keywords and PACS numbers: Up to six keywords and PACS numbers reflecting the content of the contribution should be supplied (see 'Physics and Astronomy Classification Scheme 2010' at http://publishing.aip.org/publishing/pacs/pacs-2010-regular-edition).

Manuscript Preparation: Papers should be typed (in duplicate) with double spacing and wide margins on good quality paper (A4 size). The length of original contributions should not in general exceed 5000 words and 10 figures, and subject review articles should not exceed 22000 words and 60 figures, including tables and diagrams. Authors are urged to arrange the subject matter clearly under headings such as: 1. Introduction, 2. Experimental/Theoretical Details, 3. Results, 4. Discussion, 5. Conclusion, References. Subsections should be identified with section and subsection numbers (such as 6.1. Second-Value Subheading).

References and Notes: Notes are indicated in the text by consecutive superior Arabic numbers (without parentheses). References should be numbered consecutively (in square brackets) throughout the text. The full list should be collected and typed at the end of the paper in numerical order. Listed references should be completed in all details including DOI (if available) but excluding article titles in journals. <u>All authors'</u> initials should precede their surnames. Examples of references preparation:

- 1. T. M. Radchenko and V. A. Tatarenko, *Usp. Fiz. Met.*, **9**, No. 1: 1 (2008) (in Ukrainian); https://doi.org/10.15407/ufm.09.01.001
- 2. T. M. Radchenko, A. A. Shylau, and I. V. Zozoulenko, *Phys. Rev. B*, **86**: 035418 (2012); https://doi.org/10.1103/PhysRevB.86.035418
- 3. A. Meisel, G. Leonhardt, and R. Szargan, *Röntgenspektren und Chemische Bindung* [X-Ray Spectra and Chemical Bond] (Leipzig: Akademische Verlagsgesellschaft Geest & Portig K.-G.: 1977) (in German).
- 4. J. M. Ziman, *Printsipy Teorii Tvyordogo Tela* [Principles of the Theory of Solids] (Moscow: Mir: 1974) (Russian translation).
- 5. M. A. Stucke, D. M. Dimiduk, and D. M. Hazzledine, *High Temperature Ordered Intermetal-lic Alloys. V* (Eds. I. Baker and R. Darolia) (Pittsburgh, PA, USA: MRS: 1993), p. 471.
- 6. Handbook of Mathematical Functions with Formulas, Graphs and Mathematical Tables (Eds. M. Abramowitz and I. A. Stegun), Nat'l Bureau of Standards. Appl. Math. Ser. Vol. 55 (Washington, D.C.: U.S. Govt. Printing Office: 1964).
- 7. B. B. Karpovych and O. B. Borovkoff, Proc. of Symp. 'Micromaterials Engineering' (Dec. 25–31, 1999) (Kiev: RVV IMF: 2000), vol. 2, p. 113 (in Russian).
- 8. Т. М. Radchenko, Vplyv Uporyadkuvannya Defektnoyi Struktury на Transportni Vlastyvosti

ІНФОРМАЦІЯ ДЛЯ ПЕРЕДПЛАТНИКІВ І АВТОРІВ

Zmishanykh Krystaliv [Influence of Ordering of the Defect Structure on Transport Properties of the Mixed Crystals] (Thesis of Disser. for Dr. Phys.-Math. Sci.) (Kyiv: G. V. Kurdyumov Institute for Metal Physics, N.A.S.U.: 2015) (in Ukrainian).

9. E. M. Gololobov, V. B. Shipilo, N. I. Sedrenok, and A. I. Dudyak, *Sposob Polucheniya Karbonitridov Metallov* [Production Method of Metal Carbonitrides], Authors' Certificate 722341 SSSR (Published November 21, 1979) (in Russian).

10. V. G. Trubachev, K. V. Chuistov, V. N. Gorshkov, and A. E. Perekos, *Sposob Polucheniya Metallicheskikh Poroshkov* [The Technology of Metallic Powder Production]: Patent 1639892 SU. MKI, B22 F9/02, 9/14 (Otkrytiya i Izobreteniya, 34, No. 13: 11) (1991) (in Russian).

11. Yu. M. Koval' and V. V. Nemoshkalenko, O Prirode Martensitnykh Prevrashchenij [On the Nature of Martensitic Transformations] (Kyiv: 1998) (Prepr./N.A.S. of Ukraine. Inst. for Metal Physics. No. 1, 1998) (in Russian).

Journal title abbreviations should conform to generally accepted styles:

http://www.cas.org/content/references/corejournals; http://rmp.aps.org/files/rmpguapb.pdf; http://images.webofknowledge.com/WOK46P9/help/WOS/A_abrvjt.html; http://www.ams.org/msnhtml/serials.pdf.

Equations and Formulae: Formulas in the text should be inserted by MathType, which is fully compatible with MS Office 2003, 2007, 2010.

Tables: Number tables consecutively with arabic numerals and give a clear descriptive caption at the top.

Figures: All figures should be numbered with consecutive arabic numerals, have descriptive captions and be mentioned in the text. Keep figures separate at the end of the text and clearly label each figure with author's name and figure number. The labels at axis should contain the designation (or notation) of quantities and their units.

Preparation: Figures submitted (<u>black-and-white or greyscale</u> strongly recommended) must be of a high enough standard for reproduction with 300–600 dpi resolution (including half-tone illustrations). Redrawing or retouching of unusable figures will be charged to the authors.

Colour Plates: Whenever the use of colour is an integral part of the research, or where the work is generated in colour, the Transactions will publish the colour illustrations with charge to the author. Reprints in colour will carry a surcharge. Please write to the Publisher for details.

Submission of Electronic Text: Authors should also submit papers by e-mail or on a CD (in addition to hard copy with figures). The file should be saved in the native formats of the Microsoft Word 2003, 2007 or 2010 with a name consisting the name of the first author, for example, Smirnov.doc. The electronic form of figures (graphics files in TIFF, EPS or JPEG formats preferably and with name consisting the name of the first author also, for example, Smirnov_fig2a.tiff) should be planned so that they reduce to 12.7 cm column width (or less), and keep them separate from the text file. It is necessary to submit additionally all the figures within the format of the program, in which they were created.

Proofs: In a special emergency, contributors may receive page proofs for correction by e-mail as a PDF document. In that case, these must be returned to Kyyiv office (tatar@imp.kiev.ua) with subject beginning by word 'nano' within 120 hours of receipt.

Page Charges: There are no page charges to individuals or institutions.

Reprints: Hard-copy reprints provided to the first-named author of each paper may be ordered by completing the appropriate form sent with proofs. Authors can de-archive a PDF version of their published article from Editorial Office site: http://www.imp.kiev.ua/nanosys/ru/articles/index.html.

Further Information: All questions arising after the acceptance of manuscripts, especially those relating to reprints, should be directed to Executive Managing Editor, Editorial Office, G. V. Kurdyumov Institute for Metal Physics, N.A.S.U., 36 Academician Vernadsky Blvd., UA-03142 Kyiv, Ukraine. Fax: +380 44 4242561, e-mail: tatar@imp.kiev.ua (with subject beginning by word 'nano').

We ask the authors to apply with their manuscript

Copyright Transfer Agreement

We, the undersigned authors of the manuscript '______', transfer to the founders and the Editorial Board of the collected scientific transactions 'Nanosistemi, Nanomateriali, Nanotehnologii' the right to publish this manuscript in English language (or in the Ukrainian translation). We confirm that publication of this manuscript will not infringe a copyright of other persons, institutions or organizations.

Author(s):	ation)
Correspondence Address:	
Phone and e-mail:	
(Signature)	(Date)

ІНФОРМАЦІЯ ДЛЯ ПЕРЕДПЛАТНИКІВ І АВТОРІВ

PUBLICATION ETHICS

AND MALPRACTICE STATEMENT

The Editorial Board of the Collected Scientific Transactions 'Nanosistemi, Nanomateriali, Nanotehnologii' (i.e., 'Nanosystems, Nanomaterials, Nanotechnologies') follows ethics norms accepted by international scientific community and makes every endeavour to prevent any infringements of the norms. The Editorial Board follows the guidelines of the Committee on Publication Ethics (http://publicationethics.org).

Duties of Editors

- All submitted papers are subject to strict peer-review process by reviewers that are experts in the area of the particular paper.
- The factors, which are taken into account in reviewing process, are relevance, soundness, significance, originality, readability, and quality of language.
- The possible decisions include acceptance, acceptance with revisions, or rejection.
- If authors are encouraged to revise and resubmit a submission, there is no guarantee that the revised submission will be accepted.
- Rejected articles will not be re-reviewed.
- Articles may be rejected without review, if they are obviously not suitable for publication.
- The paper acceptance is constrained by such legal requirements as shall then be in force regarding libel, copyright infringement, and plagiarism.

When a conflict of interests arising, all the participants of reviewing process should inform the Editorial Board. All the contentions questions are considered in the Board meeting.

The accepted papers are allocated in open access on the journal site; copyrights reserved.

Duties of Reviewers

- The reviewers evaluate manuscripts for their intellectual content without regard to race, gender, sexual orientation, religious belief, ethnic origin, citizenship, or political philosophy of the authors.
- The staff must not disclose any information about a submitted manuscript to anyone other than the corresponding author, reviewers, other editorial advisers, and the Publisher, as appropriate.
- Reviews should be conducted objectively. Personal criticism of the author is inappropriate. Referees should express their views clearly with supporting arguments.
- Peer review assists the Publisher in making editorial decisions and through the editorial communications with the experts from the scientific board and the author may assist the author in improving the paper.
- Manuscripts received for review are treated as confidential documents and are reviewed by anonymous staff.
- A reviewer should also call to the Publisher's attention any substantial similarity or overlap between the manuscript under consideration and any other published paper of which they have personal knowledge.

Duties of Authors

- Authors of contributions and studies research should present an accurate account of the work performed as well as an objective discussion of its significance.
- A paper should contain sufficient details and references to permit others to replicate the
 work. Fraudulent or knowingly inaccurate statements constitute unethical behaviour and
 are unacceptable.
- The authors should ensure that they have written original regular or entirely review works, if the authors have used the work and/or words of others that this has been obligatory and appropriately cited or quoted.
- Submitting the same manuscript to more than one publication concurrently constitutes unethical publishing behaviour and is unacceptable.
- Authorship should be limited to those who have made a significant contribution to the conception, design, execution, or interpretation of the reported study.
- Sources of financial support for the reported results can be specified.

INFORMATION FOR SUBSCRIBERS

Editorial Board of Quarterly Collected Scientific Transactions

'NANOSISTEMI, NANOMATERIALI, NANOTEHNOLOGII'

(i.e. 'NANOSYSTEMS, NANOMATERIALS, NANOTECHNOLOGIES')

(CODEN: NNNAAT; ISSN (Print): 1816-5230, ISSN (Online): 2617-3794) advertises the subscription on an annual basis for this year. Orders should be placed through one of the methods described below.

Besides the subscription *via* the centralized service by State Enterprise 'PRESA' (2a Georgiy Kyrpa Str., UA-03999 Kyiv, Ukraine; faxes: +380 44 2890774 / 2480377 / 2480384 / 2487802 / 2480406; e-mail: pod_ukr@presa.ua, rozn@presa.ua, info@presa.ua) or *via* Internet:

http://presa.ua/nanosistemi-nanomateriali-nanotehnologii.html? SID=U

the Editorial Board will take orders sent directly to the Editorial Board. To obtain our edition, the persons and institutions, interested in this title, should made the definite payment sent, according to the order, to the account of the Publisher—Institute for Metal Physics of the N.A.S. of Ukraine.

This edition frequency is 4 issues per year. The annual subscription rate for 'Nanosistemi, Nanomateriali, Nanotehnologii' is 160 US\$ (or 144 EUR), including airmail postage, packing and handling charges. All other currency payments should be made using the current conversion rate set by the Publisher (subscribers should contact the Editorial Board).

Subscription is valid after obtaining by the Editorial Board of banker's order. Banker's order should be sent to the address:

- G. V. Kurdyumov Institute for Metal Physics, N.A.S. of Ukraine, currency account No. UA60322313000002530800000067, MFO 322313 in the Kyiv's Branch of JSC 'The State Export-Import Bank of Ukraine' (Joint Stock Company 'Ukreximbank')
- (11^b Bulvarno-Kudriavska Str., UA-04053 Kyiv, Ukraine)

simultaneously with written notice providing the Editorial Board with a copy of banker's order for subscription and detailed address for mailing.

Address of the Editorial Board Office:

G. V. Kurdyumov Institute for Metal Physics, N.A.S. of Ukraine, 36 Academician Vernadsky Blvd., UA-03142 Kyiv, Ukraine.

E-mail: tatar@imp.kiev.ua (with subject beginning by word 'nano'). Fax: +380 44 4242561.

After receiving of banker's order, the Editorial Board will send the guarantee letter to the subscriber's address for mailing the collected scientific transactions for a corresponding term.

Editorial Board of this edition hopes for effective co-operation with its present and future readers and asks to promote the maximum information about its contents to persons, institutions and organizations concerned.