



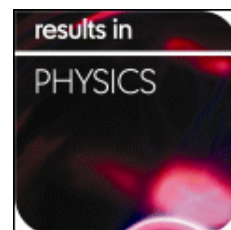
# RESULTS IN PHYSICS

The new online only, open access journal in Physics

## AUTHOR INFORMATION PACK

### TABLE OF CONTENTS

●	<b>Description</b>	<b>p.1</b>
●	<b>Editorial Board</b>	<b>p.1</b>
●	<b>Guide for Authors</b>	<b>p.3</b>



ISSN: 2211-3797

### DESCRIPTION

*Results in Physics* is an open access journal offering authors the opportunity to publish in all fundamental and interdisciplinary areas of **physics, materials science, and applied physics**. Papers of a theoretical, computational, and experimental nature are all welcome. Results in Physics accepts papers that are scientifically sound, technically correct and provide valuable new knowledge to the physics community.

*Results in Physics* welcomes two types of papers:

1. Full research papers
2. Microarticles: very short papers, no longer than 2 pages. They may consist of a single, but well-described piece of information, such as:
  - Data and/or a plot plus a description
  - Description of a new method or instrumentation
  - Negative results
  - Concept or design study

All submitted manuscripts are fully peer-reviewed and after acceptance, a publication fee is charged to cover all editorial, production, and archiving costs. Different publication fees apply for the two types of papers. Accepted papers are freely accessible to anyone.

### EDITORIAL BOARD

#### *Editor-in-Chief*

**K.H.J. Buschow**, Universiteit van Amsterdam, Amsterdam, Netherlands

#### *Managing Editor*

**J. Petrovic**

#### *International Advisory Board*

**M. Avdeev**, Australian Nuclear Science and Technology Organisation, Kirrawee DC, New South Wales, Australia

**M. Barsoum**, Drexel University, Philadelphia, Pennsylvania, USA

**M. Baxendale**, Queen Mary, University of London (QMUL), London, England, UK

**A. Bellosi**, Istituto di Scienza e Tecnologia dei Materiali Ceramici (ISTEC), Faenza, Italy

**B. Bokstein**, National University of Science and Technology, Moscow, Russian Federation

**M.G. Brik**, University of Tartu, Tartu, Estonia

**E.H. Brück**, Delft University of Technology, Delft, Netherlands

**F.R. de Boer**, Universiteit van Amsterdam, Amsterdam, Netherlands

**C.R. Doering**, University of Michigan, Ann Arbor, Michigan, USA  
**W. Fahrenholtz**, Missouri University of Science and Technology, Rolla, Missouri, USA  
**E. Gaffet**, CNRS - University of Lorraine, Nancy, France  
**M. Gupta**, National University of Singapore, Singapore  
**R. Kainuma**, Tohoku University, Sendai, Japan  
**V.V. Kharton**, Universidade de Aveiro, Aveiro, Portugal  
**I.V. Kityk**, Politechnika Czestochowska, Czestochowa, Poland  
**X.G. Li**, University of Science and Technology of China (USTC), Hefei, Anhui, China  
**Z.-K. Liu**, Pennsylvania State University, University Park, Pennsylvania, USA  
**J. Löffler**, Eidgenössische Technische Hochschule (ETH) Zürich, Zürich, Switzerland  
**W. Prellier**, Centre National de la Recherche Scientifique (CNRS), Caen Cedex, France  
**C. Rudowicz**, Szczecin University of Technology (SUT), Szczecin, Poland  
**D. Schmool**, Universidade do Porto, Porto, Portugal  
**P. Schobinger-Papamantellos**, Eidgenössische Technische Hochschule (ETH) Zürich, Zurich, Switzerland  
**D.J. Sellmyer**, University of Nebraska at Lincoln, Lincoln, Nebraska, USA  
**Z.M. Stadnik**, University of Ottawa, Ottawa, Ontario, Canada  
**W. Streck**, Polish Academy of Sciences in Wroclaw, Wroclaw, Poland  
**A. Wisniewski**, Polish Academy of Sciences, Warszawa, Poland  
**T.G. Woodcock**, Dresden Institut für Metallische Werkstoffe (IFW Dresden), Dresden, Germany  
**A.R. Yavari**, National Polytechnic Institute of Grenoble, Grenoble, Cedex 9, France  
**C.-L. Yeh**, Feng Chia University, Taichung, Taiwan, ROC  
**Y.F. Zheng**, Peking University, Beijing, China  
**C. Zollfrank**, Technische Universität München, Straubing, Germany

## GUIDE FOR AUTHORS

---

### *Your Paper Your Way*

We now differentiate between the requirements for new and revised submissions. You may choose to submit your manuscript as a single Word or PDF file to be used in the refereeing process. Only when your paper is at the revision stage, will you be requested to put your paper in to a 'correct format' for acceptance and provide the items required for the publication of your article.

**To find out more, please visit the Preparation section below.**

### INTRODUCTION

*Results in Physics* is an open access journal offering authors the opportunity to publish in all fundamental and interdisciplinary areas of **physics, materials science, and applied physics**. Papers of a theoretical, computational, and experimental nature are all welcome. *Results in Physics* accepts papers that are scientifically sound, technically correct and provide valuable new knowledge to the physics community.

*Results in Physics* welcomes two types of papers:

1. Full research papers
2. Microarticles: very short papers, no longer than 2 pages. They may consist of a single, but well-described piece of information, such as:
  - Data and/or a plot plus a description
  - Description of a new method or instrumentation
  - Negative results
  - Concept or design study

All submitted manuscripts are fully peer-reviewed and after acceptance, a publication fee is charged to cover all editorial, production, and archiving costs. Different publication fees apply for the two types of papers. Accepted papers are freely accessible to anyone.

### *Types of paper*

The wide scope of the journal provides a publication outlet for all physics-related research. Papers of a theoretical, computational, and experimental nature are all welcome, and we also encourage the submission of other types of papers which would benefit the community: concept or design studies, negative results, instrumentation, or site data reports, for example.

There are no strict formatting requirements (on length restrictions or reference formatting, for example) to keep the preparation process as easy as possible for authors. The focus will be on the quality of the scientific content of the work, not whether sections are labeled 1, 2, 3 or I, II, III.

*Results in Physics* welcomes two types of papers:

- Full research papers: complete papers reporting new research results. Full papers should contain a sound analysis of the work, provide a thorough context and include sufficient references to related work.
- Microarticles: very short papers, no longer than 2 pages. They contain useful data, descriptions or other information that are too limited to carry a full research paper. Microarticles may consist of a single, but well-described piece of information, such as data and/or a plot plus a description, description of a new method or instrumentation, negative results, concept or design study or other short reports.

### BEFORE YOU BEGIN

#### *Acceptance Criteria*

All published papers in *Results in Physics* are peer reviewed and must be:

- Scientifically sound
- In compliance with international research and publishing ethics standards
- Written in clear, concise and correct English
- A valid contribution to the existing literature and of educational value to the specific community and readers
- Original, unpublished work

### **Ethics in publishing**

For information on Ethics in publishing and Ethical guidelines for journal publication see <http://www.elsevier.com/publishingethics> and <http://www.elsevier.com/journal-authors/ethics>.

### **Conflict of interest**

All authors are requested to disclose any actual or potential conflict of interest including any financial, personal or other relationships with other people or organizations within three years of beginning the submitted work that could inappropriately influence, or be perceived to influence, their work. See also <http://www.elsevier.com/conflictsofinterest>. Further information and an example of a Conflict of Interest form can be found at: [http://help.elsevier.com/app/answers/detail/a\\_id/286/p/7923](http://help.elsevier.com/app/answers/detail/a_id/286/p/7923).

### **Submission declaration and verification**

Submission of an article implies that the work described has not been published previously (except in the form of an abstract or as part of a published lecture or academic thesis or as an electronic preprint, see <http://www.elsevier.com/postingpolicy>), that it is not under consideration for publication elsewhere, that its publication is approved by all authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in English or in any other language, including electronically without the written consent of the copyright-holder. To verify originality, your article may be checked by the originality detection service CrossCheck <http://www.elsevier.com/editors/plagdetect>.

### **Authorship**

All authors should have made substantial contributions to all of the following: (1) the conception and design of the study, or acquisition of data, or analysis and interpretation of data, (2) drafting the article or revising it critically for important intellectual content, (3) final approval of the version to be submitted.

### **Changes to authorship**

This policy concerns the addition, deletion, or rearrangement of author names in the authorship of accepted manuscripts:

*Before the accepted manuscript is published in an online issue:* Requests to add or remove an author, or to rearrange the author names, must be sent to the Journal Manager from the corresponding author of the accepted manuscript and must include: (a) the reason the name should be added or removed, or the author names rearranged and (b) written confirmation (e-mail, fax, letter) from all authors that they agree with the addition, removal or rearrangement. In the case of addition or removal of authors, this includes confirmation from the author being added or removed. Requests that are not sent by the corresponding author will be forwarded by the Journal Manager to the corresponding author, who must follow the procedure as described above. Note that: (1) Journal Managers will inform the Journal Editors of any such requests and (2) publication of the accepted manuscript in an online issue is suspended until authorship has been agreed.

*After the accepted manuscript is published in an online issue:* Any requests to add, delete, or rearrange author names in an article published in an online issue will follow the same policies as noted above and result in a corrigendum.

### **Copyright**

Upon acceptance of an article, authors will be asked to complete an 'Exclusive License Agreement' where authors will retain copyright (for more information on this see <http://www.elsevier.com/OAauthoragreement>). Permitted reuse of open access articles is determined by the author's choice of user license (see <http://www.elsevier.com/openaccesslicenses>).

### **Retained author rights**

As an author you (or your employer or institution) retain certain rights, including copyright; for details you are referred to <http://www.elsevier.com/OAauthoragreement>.

### **Role of the funding source**

You are requested to identify who provided financial support for the conduct of the research and/or preparation of the article and to briefly describe the role of the sponsor(s), if any, in study design; in the collection, analysis and interpretation of data; in the writing of the report; and in the decision to submit the article for publication. If the funding source(s) had no such involvement then this should be stated.

### **Funding body agreements and policies**

Elsevier has established agreements and developed policies to allow authors whose articles appear in journals published by Elsevier, to comply with potential manuscript archiving requirements as specified as conditions of their grant awards. To learn more about existing agreements and policies please visit <http://www.elsevier.com/fundingbodies>.

### **Open access**

This journal is fully open access; all articles will be immediately and permanently free for everyone to read and download upon publication. Permitted (re)use is defined by your choice of one of the following Creative Commons user licenses (see <http://www.elsevier.com/about/open-access/open-access-policies/oa-license-policy>):

**Creative Commons Attribution (CC BY):** lets others distribute and copy the article, to create extracts, abstracts, and other revised versions, adaptations or derivative works of or from an article (such as a translation), to include in a collective work (such as an anthology), to text or data mine the article, even for commercial purposes, as long as they credit the author(s), do not represent the author as endorsing their adaptation of the article, and do not modify the article in such a way as to damage the author's honor or reputation.

**Creative Commons Attribution-NonCommercial-ShareAlike (CC BY-NC-SA):** for non-commercial purposes, lets others distribute and copy the article, to create extracts, abstracts and other revised versions, adaptations or derivative works of or from an article (such as a translation), to include in a collective work (such as an anthology), to text and data mine the article, as long as they credit the author(s), do not represent the author as endorsing their adaptation of the article, do not modify the article in such a way as to damage the author's honor or reputation, and license their new adaptations or creations under identical terms (CC BY-NC-SA).

**Creative Commons Attribution-NonCommercial-NoDerivs (CC BY-NC-ND):** for non-commercial purposes, lets others distribute and copy the article, and to include in a collective work (such as an anthology), as long as they credit the author(s) and provided they do not alter or modify the article.

To provide open access, this journal has an open access fee (also known as: open access publication fee) which needs to be met by the authors or their research funders. The open access fee is all inclusive, Elsevier will not add any additional charges. Depending on local regulations VAT can be charged by local authorities.

The open access publication fee for this journal is \$750 for full papers and \$500 for microarticles, excluding taxes. Learn more about Elsevier's pricing policy: <http://www.elsevier.com/openaccesspricing>.

### **Language (usage and editing services)**

Please write your text in good English (American or British usage is accepted, but not a mixture of these). Authors who feel their English language manuscript may require editing to eliminate possible grammatical or spelling errors and to conform to correct scientific English may wish to use the English Language Editing service available from Elsevier's WebShop (<http://webshop.elsevier.com/languageediting/>) or visit our customer support site (<http://support.elsevier.com>) for more information.

### **Referees**

Please submit, with the manuscript, the names, addresses, affiliations, and e-mail addresses of four potential referees. Note that the editor retains the sole right to decide whether or not the suggested reviewers are used.

## **PREPARATION**

### **NEW SUBMISSIONS**

Submission to this journal proceeds totally online and you will be guided stepwise through the creation and uploading of your files. The system automatically converts your files to a single PDF file, which is used in the peer-review process.

As part of the Your Paper Your Way service, you may choose to submit your manuscript as a single file to be used in the refereeing process. This can be a PDF file or a Word document, in any format or layout that can be used by referees to evaluate your manuscript. It should contain high enough quality

figures for refereeing. If you prefer to do so, you may still provide all or some of the source files at the initial submission. Please note that individual figure files larger than 10 MB must be uploaded separately.

### **References**

There are no strict requirements on reference formatting at submission. References can be in any style or format as long as the style is consistent. Where applicable, author(s) name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter and the pagination must be present. Use of DOI is highly encouraged. The reference style used by the journal will be applied to the accepted article by Elsevier at the proof stage. Note that missing data will be highlighted at proof stage for the author to correct.

#### *Formatting requirements*

There are no strict formatting requirements but all manuscripts must contain the essential elements needed to convey your manuscript: Title, Author(s), Affiliations, Abstract, Keywords, Reference list. Tables, figures and images should contain clear captions. If your article includes any Videos and/or other Supplementary material, this should be included in your initial submission for peer review purposes.

### **REVISED SUBMISSIONS**

#### *Reference formatting*

There are no strict requirements on reference formatting at submission. References can be in any style or format as long as the style is consistent. Where applicable, author(s) name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter and the pagination must be present. Use of DOI is highly encouraged. The reference style used by the journal will be applied to the accepted article by Elsevier at the proof stage. Note that missing data will be highlighted at proof stage for the author to correct. If you do wish to format the references yourself they should be arranged according to the following examples:

#### **Video data**

Elsevier accepts video material and animation sequences to support and enhance your scientific research. Authors who have video or animation files that they wish to submit with their article are strongly encouraged to include links to these within the body of the article. This can be done in the same way as a figure or table by referring to the video or animation content and noting in the body text where it should be placed. All submitted files should be properly labeled so that they directly relate to the video file's content. In order to ensure that your video or animation material is directly usable, please provide the files in one of our recommended file formats with a preferred maximum size of 50 MB. Video and animation files supplied will be published online in the electronic version of your article in Elsevier Web products, including ScienceDirect: <http://www.sciencedirect.com>. Please supply 'stills' with your files: you can choose any frame from the video or animation or make a separate image. These will be used instead of standard icons and will personalize the link to your video data. For more detailed instructions please visit our video instruction pages at <http://www.elsevier.com/artworkinstructions>. Note: since video and animation cannot be embedded in the print version of the journal, please provide text for both the electronic and the print version for the portions of the article that refer to this content.

#### **Preferred Video Specifications**

Authors should be aware that file compression and low bandwidth on YouTube does result in some degradation of the source file. In the interest of ensuring that the videos meet minimum standards of quality (including both video and audio components) we advise the below specifications when creating a video abstract for **Results in Physics**:

Frame rate: 15 frames per second minimum  
NTSC (4:3) size and frame rate, deinterlaced  
Video Codec: MPEG2 or MPEG4 (MPEG4 preferred)  
Video Bitrate: at least 260Kbps (750kbps preferred)  
Audio Codec: MP3 vbr  
Audio Bitrate: at least 70Kbps (128 Kbps preferred)

For more information on Elsevier's general multimedia file policies, please visit: [http://support.elsevier.com/app/answers/detail/a\\_id/810/c/6261/kw/movie%20animation](http://support.elsevier.com/app/answers/detail/a_id/810/c/6261/kw/movie%20animation)

### **AudioSlides**

The journal encourages authors to create an AudioSlides presentation with their published article. AudioSlides are brief, webinar-style presentations that are shown next to the online article on ScienceDirect. This gives authors the opportunity to summarize their research in their own words and to help readers understand what the paper is about. More information and examples are available at <http://www.elsevier.com/audioslides>. Authors of this journal will automatically receive an invitation e-mail to create an AudioSlides presentation after acceptance of their paper.

### **Supplementary data**

Elsevier accepts electronic supplementary material to support and enhance your scientific research. Supplementary files offer the author additional possibilities to publish supporting applications, high-resolution images, background datasets, sound clips and more. Supplementary files supplied will be published online alongside the electronic version of your article in Elsevier Web products, including ScienceDirect: <http://www.sciencedirect.com>. In order to ensure that your submitted material is directly usable, please provide the data in one of our recommended file formats. Authors should submit the material in electronic format together with the article and supply a concise and descriptive caption for each file. For more detailed instructions please visit our artwork instruction pages at <http://www.elsevier.com/artworkinstructions>.

### **MATLAB FIG files**

MATLAB FIG files (optional): You can enrich your online articles by providing supplementary MATLAB figure files with the .FIG file extension. These files will be visualized using an interactive viewer that allows readers to explore your figures within the article. The FIG files can be uploaded in our online submission system, and will be made available to download from your online article on ScienceDirect. For more information, please see <http://www.elsevier.com/matlab>.

### **3D models**

You can enrich your online articles by providing 3D models (optional) in PLY, OBJ or U3D format, which will be visualized using the interactive viewer next to the article. Each 3D model will have to be zipped and uploaded to the online submission system via the '3D models' submission category. Please be advised that the recommended model size before zipping is 50–100 MB. Multiple models can be submitted. Please provide a short informative description for each model by filling in the 'Description' field when uploading a dataset. Note: all datasets will be available for download from the online article on ScienceDirect. If you have concerns about your data being downloadable, please provide a video instead. For more information see <http://www.elsevier.com/about/content-innovation/obj-ply-models> and <http://www.elsevier.com/about/content-innovation/u3d-models>.

### **Interactive plots**

This journal encourages you to include data and quantitative results as interactive plots with your publication. To make use of this feature, please include your data as a CSV (comma-separated values) file when you submit your manuscript. Please refer to <http://www.elsevier.com/interactiveplots> for further details and formatting instructions.

## **AFTER ACCEPTANCE**

### **Use of the Digital Object Identifier**

The Digital Object Identifier (DOI) may be used to cite and link to electronic documents. The DOI consists of a unique alpha-numeric character string which is assigned to a document by the publisher upon the initial electronic publication. The assigned DOI never changes. Therefore, it is an ideal medium for citing a document, particularly 'Articles in press' because they have not yet received their full bibliographic information. An example of the correct format for citing a DOI is shown as follows:  
doi:10.1016/j.rinp.2011.01.038

When you use the DOI to create URL hyperlinks to documents on the web, they are guaranteed never to change.

### **Online proof correction**

Corresponding authors will receive an e-mail with a link to our online proofing system, allowing annotation and correction of proofs online. The environment is similar to MS Word: in addition to editing text, you can also comment on figures/tables and answer questions from the Copy Editor. Web-based proofing provides a faster and less error-prone process by allowing you to directly type your corrections, eliminating the potential introduction of errors.

If preferred, you can still choose to annotate and upload your edits on the PDF version. All instructions for proofing will be given in the e-mail we send to authors, including alternative methods to the online version and PDF.

We will do everything possible to get your article published quickly and accurately. Please use this proof only for checking the typesetting, editing, completeness and correctness of the text, tables and figures. Significant changes to the article as accepted for publication will only be considered at this stage with permission from the Editor. It is important to ensure that all corrections are sent back to us in one communication. Please check carefully before replying, as inclusion of any subsequent corrections cannot be guaranteed. Proofreading is solely your responsibility.

### **Offprints**

The corresponding author, at no cost, will be provided with a personalized link providing 50 days free access to the final published version of the article on [ScienceDirect](#). This link can also be used for sharing via email and social networks. For an extra charge, paper offprints can be ordered via the offprint order form which is sent once the article is accepted for publication. Both corresponding and co-authors may order offprints at any time via Elsevier's WebShop (<http://webshop.elsevier.com/myarticleservices/offprints>). Authors requiring printed copies of multiple articles may use Elsevier WebShop's 'Create Your Own Book' service to collate multiple articles within a single cover (<http://webshop.elsevier.com/myarticleservices/booklets>).

### **Author inquiries**

For inquiries relating to *Results in Physics* please contact the Managing Editor of Results in Physics at: [rinp@elsevier.com](mailto:rinp@elsevier.com). You can track accepted articles at <http://www.elsevier.com/trackarticle> and set up e-mail alerts to inform you of when an article's status has changed. Also accessible from here is information on copyright, frequently asked questions and more. Contact details for questions arising after acceptance of an article, especially those relating to proofs, will be provided by the publisher.

© Copyright 2014 Elsevier | <http://www.elsevier.com>