ENERGY

The International Journal

AUTHOR INFORMATION PACK

TABLE OF CONTENTS

- **Description** **p.1**
- **Audience** **p.1**
- **Impact Factor** **p.1**
- **Abstracting and Indexing** **p.2**
- **Editorial Board** **p.3**
- **Guide for Authors** **p.5**

ISSN: 0360-5442

DESCRIPTION

Energy is an international, multi-disciplinary journal in **energy engineering** and research. The journal aims to be a leading peer-reviewed platform and an authoritative source of information for analyses, reviews and evaluations related to **energy**. The journal covers research in mechanical engineering and thermal sciences, with a strong focus on energy **analysis**, energy **modelling** and **prediction**, **integrated energy systems**, energy **planning** and energy **management**. The journal also welcomes papers on related topics such as energy conservation, energy efficiency, biomass and bioenergy, renewable energy, electricity supply and demand, energy storage, energy in buildings, and on economic and policy issues, provided such topics are within the context of the broader multi-disciplinary scope of *Energy*.

Benefits to authors

We also provide many author benefits, such as free PDFs, a liberal copyright policy, special discounts on Elsevier publications and much more. Please click here for more information on our author services.

Please see our Guide for Authors for information on article submission. If you require any further information or help, please visit our support pages: http://support.elsevier.com

AUDIENCE

Energy researchers, planners, industrial energy users and producers.

IMPACT FACTOR

2014: 4.844 © Thomson Reuters Journal Citation Reports 2015

ABSTRACTING AND INDEXING

ASFA2 – Ocean Technology, Policy and Non–Living Resources
Advanced Polymers Abstracts
BIOSIS
Elsevier BIOBASE
Cambridge Scientific Abstracts
Ceramic Abstracts
Chemical Abstracts
Compendex
Composites Industry Abstracts
Corrosion Abstracts
Current Contents
Current Contents/Engineering, Computing & Technology
Current Contents/SciSearch Database
Current Contents/Social & Behavioral Sciences
Bibliography of Asian Studies
METADEX
Earthquake Engineering Abstracts
Engineered Materials Abstracts
Engineering Index
Environmental Periodicals Bibliography
Environmental Sciences & Pollution Management
FLUIDEX
GEOBASE
GeoRef
INSPEC
OCLC Contents Alert
Pollution Abstracts
Public Affairs Information Service Bulletin
Research Alert
Science Citation Index
Web of Science
Wilson Applied Science and Technology Abstracts
CAB Abstracts
CSA Civil Engineering Abstracts
Engineering Information Database EnCompass LIT (Elsevier)
British & Irish Archaeological Bibliography
Scopus
Science Citation Index Expanded
CSA Technology Research Database
Materials Business File
Energy & Power Source
Environment Complete
Environment Index
Academic Search (EBSCO)
Current Abstracts (EBSCO)
TOC Premier
Computers & Applied Sciences Complete
Middle Eastern & Central Asian Studies
Aerospace & High Technology Database, Selective
CSA Engineering Research Database (Cambridge Scientific Abstracts)
CSA High Technology Research Database with Aerospace (Cambridge Scientific Abstracts)
CSA Mechanical & Transportation Engineering Abstracts (Cambridge Scientific Abstracts)
CSA Sustainability Science Abstracts (Cambridge Scientific Abstracts)
Environmental Engineering Abstracts

EDITORIAL BOARD

Editor-in-Chief

Henrik Lund, Department of Development and Planning, Aalborg University, Fibigerstræde 13, DK-9220 Aalborg, Denmark

Deputy Editors-in-Chief

Soteris Kalogirou, Cyprus University of Technology, Lemesos, Cyprus
Ruzhu Wang, Shanghai Jiao Tong University, Shanghai, China

Editorial Assistants

Pernille S. Andersen, Aalborg University, Aalborg, Denmark
M.R. Sørensen

Subject Editors

Milorad Bojic, University of Kragujevac, Kragujevac, Serbia
Gianfranco Chicco, Politecnico di Torino, Torino, Italy
Neven Duic, University of Zagreb, Zagreb, Croatia
Yunho Hwang, University of Maryland, College Park, Maryland, USA
Jiri Klemeš, University of Pannonia, Veszprem, Hungary
Giampaolo Manfrida, Università degli Studi di Firenze, Firenze, Italy
Silvia Nebra, Federal University of ABC (UFABC), Santo André, Brazil
Abdul Ghani Olabi, University of the West of Scotland, Paisley, Scotland, UK
K.J. Ptasinski, Technische Universiteit Eindhoven, Eindhoven, Netherlands
Isabel Soares, Universidade do Porto, Porto, Portugal
Wojciech Stanek, Silesian University of Technology, Poland
Jesse Thé, University of Waterloo, Waterloo, Ontario, Canada
Petar Varbanov, University of Pannonia, Veszprém, Hungary

International Editorial Board

Term Ending 2015

Mustafa Acaroğlu, Selçuk University, Konya, Turkey
Mariusz Adamski, Bialystok University of Technology, Bialystok, Poland
K.A. Antonopoulos, National Technical University of Athens (NTUA), Athens, Greece
José Goldemberg, Universidade de São Paulo (USP), Sao Paulo, Brazil
Jürgen-Friedrich Hake, Forschungszentrum Jülich GmbH, Jülich, Germany
M. Ishida, Tokyo Institute of Technology, Midori-ku, Yokohama, Japan
Willett Kempton, University of Delaware, Newark, Delaware, USA
Alan Meier, Lawrence Berkeley National Laboratory, Berkeley, California, USA
Tatiana Morosuk, Technische Universität Berlin (TUB), Berlin, Germany
Constantine Rakopoulos, National Technical University of Athens (NTUA), Athens, Greece
Claudia Sheinbaum-Pardo, National Autonomous University of Mexico, Mexico City, Mexico
Gordana Stefanovic, University of Niš, Nis, Serbia
Daniel Tondeur, Lab des Sciences du Genie, Nancy, France
Sergio Ulgiati, Università di Napoli "Parthenope", Napoli, Italy
William Worek, Stony Brook University, Stony Brook, New York, USA
Ernst Worrell, Utrecht University, Utrecht, Netherlands
Na Zhang, Chinese Academy of Sciences (CAS), Beijing, China
Xiliang Zhang, Tsinghua University, Beijing, China

Term Ending 2016

Naim Hamdia Afgan, Universidade de Lisboa (Lisbon), Lisbon, Portugal
Moh'd Ahmad Al-Nimr, Jordan University of Science and Technology, Irbid, Jordan
Beng Wah Ang, National University of Singapore, Singapore, Singapore
S.H. Chan, Yuan Ze University, Taoyuan, Taiwan, ROC
Silvio De Oliveira, Jr, Universidade de São Paulo (USP), Sao Paulo, Brazil
Daniel Favrat, École Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland
Simon Harvey, Chalmers University of Technology, Göteborg, Sweden
Sotirios Karellas, National Technical University of Athens (NTUA), Zografou, Greece
Signe Kjelstrup, Norwegian University of Science & Technology NTNU, Trondheim, Norway
Zygmunt Kolenda, AGH University of Science & Technology, Kraków, Poland
Reiner Kümmel, Julius-Maximilians-Universität Würzburg, Würzburg, Germany
Qiang Liao, Chongqing University, Chongqing, China
Noam Lior, University of Pennsylvania, Philadelphia, Pennsylvania, USA
Lingai Luo, Université de Nantes, Nantes Cedex, France
Adel Mellit, University of Jijel, Jijel, Algeria

Michael Moran, Ohio State University, Columbus, Ohio, USA
Luis Serra, Universidad de Zaragoza, Zaragoza, Spain
Vladimir Stevanovic, University of Belgrade, Belgrade, Serbia
Arnaldo Walter, Universidade Estadual de Campinas (UNICAMP), Sao Paulo, Brazil
Chi-Keung Woo, Hong Kong Baptist University, Kowloon, Hong Kong
Jinyue Yan, KTH Royal Institute of Technology, Stockholm, Sweden

Term Ending 2017

Linda Barelli, University of Perugia, Perugia, Italy
Robert Boehm, University of Nevada, Las Vegas, Nevada, USA
Zeljko Bogdan, University of Zagreb, Zagreb, Croatia
Maria de Graca Carvalho, Universidade de Lisboa (Lisbon), São João De Deus, Lisboa, Portugal
Christos Frangopoulos, National Technical University of Athens (NTUA), Athens, Greece
Mejdi Jeguirim, University de Haute Alsace, Mulhouse, France
Mark Kaiser, Louisiana State University, Baton Rouge, Louisiana, USA
Natasa Markovska, Macedonian Academy of Sciences and Arts, Skopje, Macedonia
Philippe Mathieu, Université de Liège, Waremme, Belgium
Alberto Mirandola, Università degli Studi di Padova, Padova, Italy
Jyoti Parikh, Integrated Research and Action for Development (IRADe), Malviya nagar, New Delhi, India
Roberto Schaeffer, Federal University of Rio de Janeiro, Rio De Janeiro, Brazil
Enrico Sciubba, Università di Roma "La Sapienza", Roma, Italy
Ram Shrestha, Asian Institute of Technology, Pathumthani, Thailand
George Tsatsaronis, Technische Universität Berlin (TUB), Berlin, Germany
John Twidell, AMSET Centre, Horninghold, UK
Moran Wang, Tsinghua University, Beijing, China
Peng Zhang, Shanghai Jiao Tong University, Shanghai, China

Book Review Panel

Henrik Lund
Milorad Bojic
Soteris Kalogirou
K.J. Ptasinski
John Twidell
Ernst Worrell
Moh'd Ahmad Al-Nimr

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

ENERGY - The International Journal is a broad multi-disciplinary journal in the field of energy engineering. The purpose of the journal is to be the premium publication in the area of energy and an important source of information aiming to raise the standards of discussions, analyses and evaluations related to energy science. The journal covers research within mechanical engineering such as Heat Transfer, Thermal science, Thermodynamics, and other related sciences with a strong focus on energy analysis as well as other broader issues such as Energy Modeling and Prediction, Integrated Energy Systems, Energy Planning and Energy Management. Moreover the journal welcomes papers on related issues such as Energy Conservation, Energy Efficiency, Biomass, Renewable Energy, Electricity supply/demand and storage, Energy in Buildings, Economy and Policy as long as such subjects are put into the context of the broader multi-disciplinary scope of ENERGY.

For more details, authors should consult the Subject Classifications here.

Types of paper

Energy considers the following types of articles for publication. Please select the appropriate 'Article Type' from the drop down menu in the online submission system.

Full Length Article: Full length articles (5000-7000 words) are original, high-quality, research papers presenting novel scientific findings.

Review: Reviews (7000-9000 words) are invited by the Editors. A Review is a state-of-the-art overview of a specific area or topic presenting a comprehensive review of the relevant research. Authors who wish to submit (or suggest) a Review should contact the Editor-in-Chief and send an outline, a CV, a list of publications, plus names of potential reviewers.

Discussion: A short commentary (1000-3000 words) discussing an article previously published in Energy.

Book Review: Book reviews (800-1200 words) are normally produced by the journal's Book Review Panel. The Panel may consider submitted book reviews, and authors should first contact the Editor-in-Chief.

BEFORE YOU BEGIN

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.

Human and animal rights

If the work involves the use of animal or human subjects, the author should ensure that the work described has been carried out in accordance with The Code of Ethics of the World Medical Association (Declaration of Helsinki) for experiments involving humans http://www.wma.net/en/30publications/10policies/b3/index.html; EU Directive 2010/63/EU for animal experiments http://ec.europa.eu/environment/chemicals/lab_animals/legislation_en.htm; Uniform Requirements for manuscripts submitted to Biomedical journals http://www.icmje.org. Authors should include a statement in the manuscript that informed consent was obtained for experimentation with human subjects. The privacy rights of human subjects must always be observed.

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.

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/sharingpolicy), 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.

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 a 'Journal Publishing Agreement' (for more information on this and copyright, see http://www.elsevier.com/copyright). An e-mail will be sent to the corresponding author confirming receipt of the manuscript together with a 'Journal Publishing Agreement' form or a link to the online version of this agreement.

Subscribers may reproduce tables of contents or prepare lists of articles including abstracts for internal circulation within their institutions. Permission of the Publisher is required for resale or distribution outside the institution and for all other derivative works, including compilations and translations (please consult http://www.elsevier.com/permissions). If excerpts from other copyrighted works are included, the author(s) must obtain written permission from the copyright owners and credit the source(s) in the article. Elsevier has preprinted forms for use by authors in these cases: please consult http://www.elsevier.com/permissions.

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

Author rights

As an author you (or your employer or institution) have certain rights to reuse your work. For more information see http://www.elsevier.com/copyright.

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 a number of agreements with funding bodies which allow authors to comply with their funder's open access policies. Some authors may also be reimbursed for associated publication fees. To learn more about existing agreements please visit http://www.elsevier.com/fundingbodies.

Open access

This journal offers authors a choice in publishing their research:

Open access
• Articles are freely available to both subscribers and the wider public with permitted reuse
• An open access publication fee is payable by authors or on their behalf e.g. by their research funder or institution
Subscription
• Articles are made available to subscribers as well as developing countries and patient groups through our universal access programs (http://www.elsevier.com/access).
• No open access publication fee payable by authors.

Regardless of how you choose to publish your article, the journal will apply the same peer review criteria and acceptance standards.

For open access articles, permitted third party (re)use is defined by the following Creative Commons user licenses:

Creative Commons Attribution (CC BY)
Lets others distribute and copy the article, create extracts, abstracts, and other revised versions, adaptations or derivative works of or from an article (such as a translation), include in a collective work (such as an anthology), 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-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.

The open access publication fee for this journal is **USD 2500**, excluding taxes. Learn more about Elsevier's pricing policy: http://www.elsevier.com/openaccesspricing.

Green open access

Authors can share their research in a variety of different ways and Elsevier has a number of green open access options available. We recommend authors see our green open access page for further information (http://elsevier.com/greenopenaccess). Authors can also self-archive their manuscripts immediately and enable public access from their institution's repository after an embargo period. This is the version that has been accepted for publication and which typically includes author-incorporated changes suggested during submission, peer review and in editor-author communications. Embargo period: For subscription articles, an appropriate amount of time is needed for journals to deliver value to subscribing customers before an article becomes freely available to the public. This is the embargo period and begins from the publication date of the issue your article appears in.

This journal has an embargo period of 24 months.

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.

Submission

Our online submission system guides you stepwise through the process of entering your article details and uploading your files. The system converts your article files to a single PDF file used in the peer-review process. Editable files (e.g., Word, LaTeX) are required to typeset your article for final publication. All correspondence, including notification of the Editor's decision and requests for revision, is sent by e-mail.

Submit your article
Please submit your article via http://ees.elsevier.com/egy/

Referees

Please submit, with the manuscript, the names, addresses and e-mail addresses of three potential referees. Note that the editor retains the sole right to decide whether or not the suggested reviewers are used.
The Editors first evaluate all manuscripts. Those rejected at this stage are insufficiently original, have serious scientific flaws, have poor grammar or English language, or are outside the Aims and Scope of the journal. Those that meet the minimum criteria are passed on to two subject matter experts for review. Referees advise the Editors, who are responsible for the final decision to accept or reject the article. Note: The Editor decision is final

Preparation

All papers showing experiments must include a thorough formal experimental error analysis, including the errors in all measured variables and presented parameters, description of the instruments used, the way they are employed, calibration, etc. All papers using computational models must include a thorough formal error analysis, such as validation with respect to reality and overall calculation of the errors in all conservation and other principles used. In the case of numerical modeling, the error analysis may include discussion of such items as solution convergence, grid dependence, error of satisfaction of conservation laws, or others as appropriate for the problem and solution method.

The Editors strongly advise that all first time authors, BEFORE submitting their manuscript, ensure that they have consulted their professor and/or an experienced colleague about the text and structure of the manuscript. This can help speed up the review and publication, and reduce the chance that a manuscript is rejected or returned due to being incomplete or not prepared according to the standards of the Journal.

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, for example Abstract, Keywords, Introduction, Materials and Methods, Results, Conclusions, Artwork and Tables with Captions.

If your article includes any Videos and/or other Supplementary material, this should be included in your initial submission for peer review purposes.
Divide the article into clearly defined sections.

Figures and tables embedded in text
Please ensure the figures and the tables included in the single file are placed next to the relevant text in the manuscript, rather than at the bottom or the top of the file.

REVISED SUBMISSIONS

Use of word processing software
Regardless of the file format of the original submission, at revision you must provide us with an editable file of the entire article. Keep the layout of the text as simple as possible. Most formatting codes will be removed and replaced on processing the article. The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also the Guide to Publishing with Elsevier: http://www.elsevier.com/guidepublication). See also the section on Electronic artwork.
To avoid unnecessary errors you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

LaTeX

You are recommended to use the Elsevier article class *elsarticle.cls* (http://www.ctan.org/tex-archive/macros/latex/contrib/elsarticle) to prepare your manuscript and BibTeX (http://www.bibtex.org) to generate your bibliography.
For detailed submission instructions, templates and other information on LaTeX, see http://www.elsevier.com/latex.

Article structure

Subdivision - numbered sections
Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

Appendices
If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.

Essential title page information

• ***Title.*** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
• ***Author names and affiliations.*** Please clearly indicate the given name(s) and family name(s) of each author and check that all names are accurately spelled. Present the authors' affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lower-case superscript letter immediately after the author's name and in front of the appropriate address. Provide the full postal address of each affiliation, including the country name and, if available, the e-mail address of each author.
• ***Corresponding author.*** Clearly indicate who will handle correspondence at all stages of refereeing and publication, also post-publication. **Ensure that the e-mail address is given and that contact details are kept up to date by the corresponding author.**
• ***Present/permanent address.*** If an author has moved since the work described in the article was done, or was visiting at the time, a 'Present address' (or 'Permanent address') may be indicated as a footnote to that author's name. The address at which the author actually did the work must be retained as the main, affiliation address. Superscript Arabic numerals are used for such footnotes.

Abstract

A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

Highlights
Highlights are mandatory for this journal. They consist of a short collection of bullet points that convey the core findings of the article and should be submitted in a separate editable file in the online submission system. Please use 'Highlights' in the file name and include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point). See http://www.elsevier.com/highlights for examples.

Abbreviations
Define abbreviations that are not standard in this field in a footnote to be placed on the first page of the article. Such abbreviations that are unavoidable in the abstract must be defined at their first mention there, as well as in the footnote. Ensure consistency of abbreviations throughout the article.

Acknowledgements
Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

Math formulae
Please submit math equations as editable text and not as images. Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp. Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).

Footnotes
Footnotes should be used sparingly. Number them consecutively throughout the article. Many word processors build footnotes into the text, and this feature may be used. Should this not be the case, indicate the position of footnotes in the text and present the footnotes themselves separately at the end of the article.

Artwork
Electronic artwork
General points
• Make sure you use uniform lettering and sizing of your original artwork.
• Preferred fonts: Arial (or Helvetica), Times New Roman (or Times), Symbol, Courier.
• Number the illustrations according to their sequence in the text.
• Use a logical naming convention for your artwork files.
• Indicate per figure if it is a single, 1.5 or 2-column fitting image.
• For Word submissions only, you may still provide figures and their captions, and tables within a single file at the revision stage.
• Please note that individual figure files larger than 10 MB must be provided in separate source files.
A detailed guide on electronic artwork is available on our website:
http://www.elsevier.com/artworkinstructions.
You are urged to visit this site; some excerpts from the detailed information are given here.
Formats
Regardless of the application used, when your electronic artwork is finalized, please 'save as' or convert the images to one of the following formats (note the resolution requirements for line drawings, halftones, and line/halftone combinations given below):
EPS (or PDF): Vector drawings. Embed the font or save the text as 'graphics'.
TIFF (or JPG): Color or grayscale photographs (halftones): always use a minimum of 300 dpi.
TIFF (or JPG): Bitmapped line drawings: use a minimum of 1000 dpi.
TIFF (or JPG): Combinations bitmapped line/half-tone (color or grayscale): a minimum of 500 dpi is required.
Please do not:
• Supply files that are optimized for screen use (e.g., GIF, BMP, PICT, WPG); the resolution is too low.
• Supply files that are too low in resolution.
• Submit graphics that are disproportionately large for the content.

Color artwork
Please make sure that artwork files are in an acceptable format (TIFF (or JPEG), EPS (or PDF), or MS Office files) and with the correct resolution. If, together with your accepted article, you submit usable color figures then Elsevier will ensure, at no additional charge, that these figures will appear

in color online (e.g., ScienceDirect and other sites) regardless of whether or not these illustrations are reproduced in color in the printed version. **For color reproduction in print, you will receive information regarding the costs from Elsevier after receipt of your accepted article**. Please indicate your preference for color: in print or online only. For further information on the preparation of electronic artwork, please see http://www.elsevier.com/artworkinstructions.
Please note: Because of technical complications that can arise by converting color figures to 'gray scale' (for the printed version should you not opt for color in print) please submit in addition usable black and white versions of all the color illustrations.

Figure captions
Ensure that each illustration has a caption. A caption should comprise a brief title (**not** on the figure itself) and a description of the illustration. Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

Text graphics
Text graphics may be embedded in the text at the appropriate position. See further under Electronic artwork.

Tables
Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end. Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article. Please avoid using vertical rules.

References
Citation in text
Please ensure that every reference cited in the text is also present in the reference list (and vice versa). Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list they should follow the standard reference style of the journal and should include a substitution of the publication date with either 'Unpublished results' or 'Personal communication'. Citation of a reference as 'in press' implies that the item has been accepted for publication.

Web references
As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, author names, dates, reference to a source publication, etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list.

References in a special issue
Please ensure that the words 'this issue' are added to any references in the list (and any citations in the text) to other articles in the same Special Issue.

Reference management software
Most Elsevier journals have a standard template available in key reference management packages. This covers packages using the Citation Style Language, such as Mendeley (http://www.mendeley.com/features/reference-manager) and also others like EndNote (http://www.endnote.com/support/enstyles.asp) and Reference Manager (http://refman.com/support/rmstyles.asp). Using plug-ins to word processing packages which are available from the above sites, authors only need to select the appropriate journal template when preparing their article and the list of references and citations to these will be formatted according to the journal style as described in this Guide. The process of including templates in these packages is constantly ongoing. If the journal you are looking for does not have a template available yet, please see the list of sample references and citations provided in this Guide to help you format these according to the journal style.

If you manage your research with Mendeley Desktop, you can easily install the reference style for this journal by clicking the link below:
http://open.mendeley.com/use-citation-style/energy
When preparing your manuscript, you will then be able to select this style using the Mendeley plug-ins for Microsoft Word or LibreOffice. For more information about the Citation Style Language, visit http://citationstyles.org.

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:

Reference style
Text: Indicate references by number(s) in square brackets in line with the text. The actual authors can be referred to, but the reference number(s) must always be given.
List: Number the references (numbers in square brackets) in the list in the order in which they appear in the text.
Examples:
Reference to a journal publication:
[1] Van der Geer J, Hanraads JAJ, Lupton RA. The art of writing a scientific article. J Sci Commun 2010;163:51–9.
Reference to a book:
[2] Strunk Jr W, White EB. The elements of style. 4th ed. New York: Longman; 2000.
Reference to a chapter in an edited book:
[3] Mettam GR, Adams LB. How to prepare an electronic version of your article. In: Jones BS, Smith RZ, editors. Introduction to the electronic age, New York: E-Publishing Inc; 2009, p. 281–304.
Note shortened form for last page number. e.g., 51–9, and that for more than 6 authors the first 6 should be listed followed by 'et al.' For further details you are referred to 'Uniform Requirements for Manuscripts submitted to Biomedical Journals' (J Am Med Assoc 1997;277:927–34) (see also http://www.nlm.nih.gov/bsd/uniform_requirements.html).

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 150 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.

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 material
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.

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.

Submission checklist

The following list will be useful during the final checking of an article prior to sending it to the journal for review. Please consult this Guide for Authors for further details of any item.

Ensure that the following items are present:

One author has been designated as the corresponding author with contact details:

- E-mail address
- Full postal address

All necessary files have been uploaded, and contain:

- Keywords
- All figure captions
- All tables (including title, description, footnotes)

Further considerations

- Manuscript has been 'spell-checked' and 'grammar-checked'
- All references mentioned in the Reference list are cited in the text, and vice versa
- Permission has been obtained for use of copyrighted material from other sources (including the Internet)

Printed version of figures (if applicable) in color or black-and-white

- Indicate clearly whether or not color or black-and-white in print is required.
- For reproduction in black-and-white, please supply black-and-white versions of the figures for printing purposes.

For any further information please visit our customer support site at http://support.elsevier.com.

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. Example of a correctly given DOI (in URL format; here an article in the journal *Physics Letters B*):

http://dx.doi.org/10.1016/j.physletb.2010.09.059

When you use a DOI to create links to documents on the web, the DOIs 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

You can track your submitted article at http://www.elsevier.com/track-submission. You can track your accepted article at http://www.elsevier.com/trackarticle. You are also welcome to contact Customer Support via http://support.elsevier.com.

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