

Journal of Crystal Growth (JCG) 期刊投稿说明

1、登录 JCG 期刊编辑系统: <https://www.editorialmanager.com/crys/default1.aspx>,

Journal of Crystal Growth Editorial Manager

HOME • LOGIN • HELP • REGISTER • UPDATE MY INFORMATION • JOURNAL OVERVIEW
MAIN MENU • CONTACT US • SUBMIT A MANUSCRIPT • INSTRUCTIONS FOR AUTHORS • POLICIES

Not logged in.

Welcome to Editorial Manager® for
Journal of Crystal Growth

Insert Special Character

Please Enter the Following

Username: ⓘ
Password: ⓘ

Author Login Reviewer Login Editor Login Publisher Login ⓘ

Or Login via: **ID** What is ORCID?
Send Login Details Register Now Login Help

NEW: Login via ORCID
Please note that in addition to logging in via your EM username and password, you can now also log into this journal **using your ORCID username and password**. Visit our [Support Hub](#) page for further support.

2、注册账户:

如果已有账号, 直接点击“Author Login”, 如果忘记密码, 点击“Send Login Details”找回。

如未注册账号, 请点击“Register Now”, 进入如下页面, 进行注册。

Journal of Crystal Growth Editorial Manager

HOME • LOGIN • HELP • REGISTER • UPDATE MY INFORMATION • JOURNAL OVERVIEW
MAIN MENU • CONTACT US • SUBMIT A MANUSCRIPT • INSTRUCTIONS FOR AUTHORS • POLICIES

Not logged in.

Pre-registration Page

To register to use the Editorial Manager system, please enter the requested information or use your ORCID record if this option is available. Upon successful registration, you will be sent an e-mail with instructions to verify your registration. For more details see [Registration Help](#).

Choose a Registration Method

Retrieve your details from the ORCID registry:
ID Use My ORCID Record ⓘ

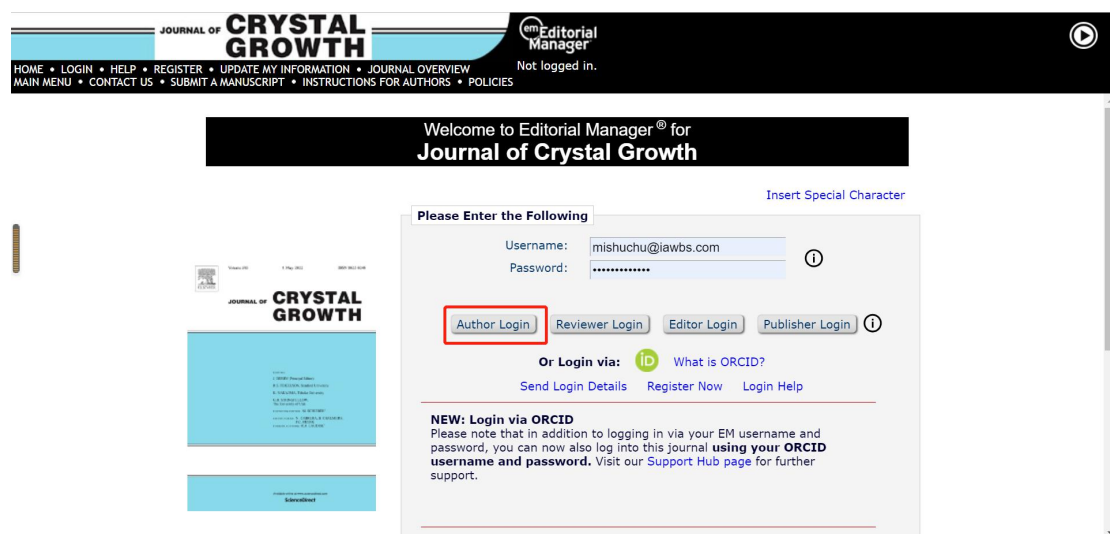
Or type in your details and continue to register without using ORCID:

Given/First Name*
Family/Last Name*
E-mail Address* Continue >> ⓘ

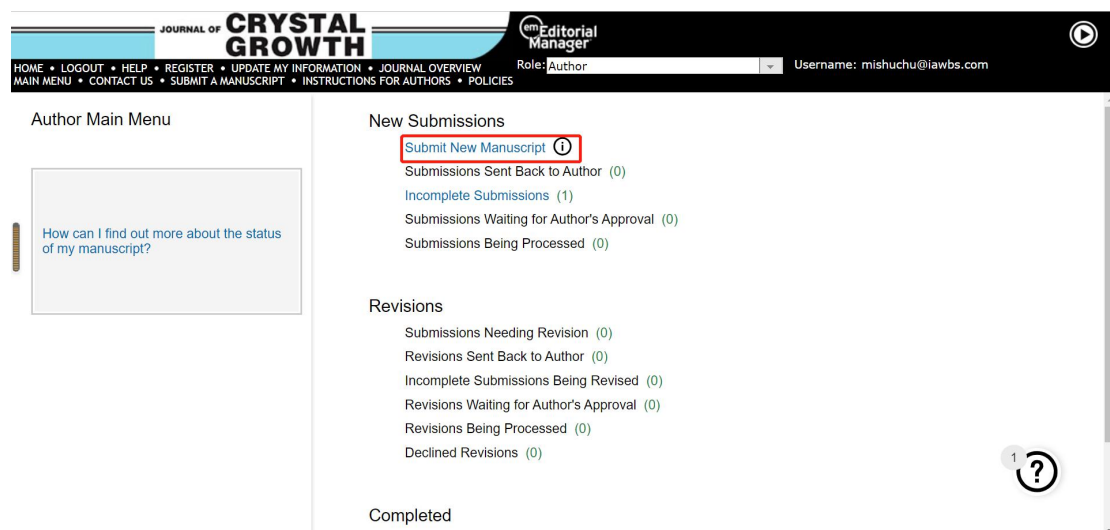
WARNING - If you think you already have an existing registration of any type (Author, Reviewer, or Editor) in this system, please DO NOT register again. This will cause delays or prevent the processing of any review or manuscript you submit. If you are unsure if you are already registered, click the 'Forgot Your Login Details?' button. If you are registering again because you want to change your current information, changes must be made to your existing information by clicking the 'Update My Information' link on the menu bar. If you are unsure how to perform these functions, please contact the editorial office.

Cancel Forgot Your Login Details?

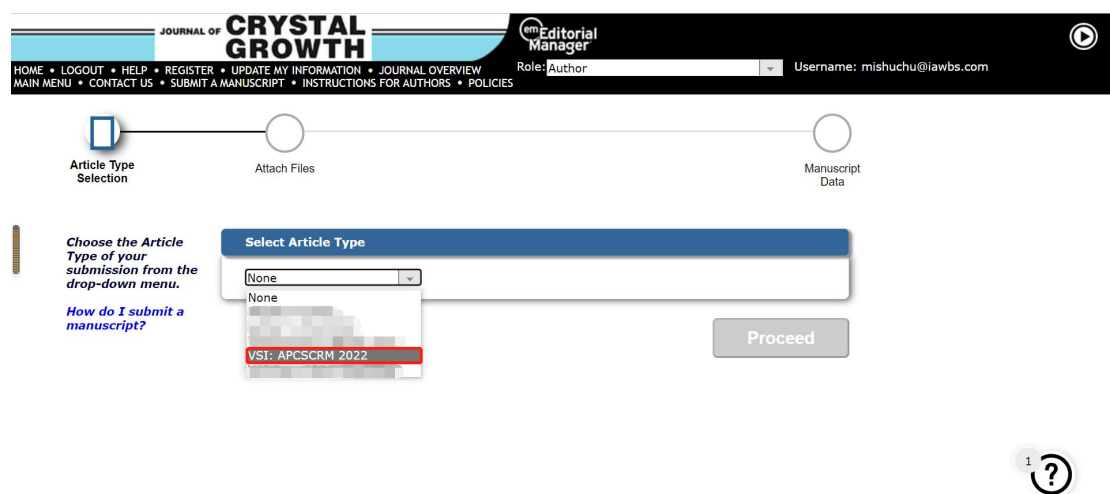
3、系统登录：注册成功后，跳转回系统首页，选择“Author Login”，进行登录。



4、开始投稿：登录成功后，点击“Submit New Manuscript”，开始投稿。



5、期刊类型选择：请一定选择期刊类型：“VSI: APCSCRM 2022”。



6、直接选择“Proceed”进入下一步。

The screenshot shows the 'Select Article Type' step of the submission process. The breadcrumb trail includes 'Article Type Selection', 'Attach Files', and 'Manuscript Data'. The 'Attach Files' step is currently active. A dropdown menu is set to 'VSI: APCSCRM 2022'. Below the dropdown, there is explanatory text about linking an ORCID ID. At the bottom of the form, a blue 'Proceed' button with a right-pointing arrow is highlighted with a red rectangle. A help icon (question mark in a circle) is visible on the right side of the page.

7、文章初稿提交：点击“Browse”上传文章初稿，文件格式推荐“Word”。

The screenshot shows the 'Attach Files' step. The breadcrumb trail includes 'Article Type Selection', 'Attach Files', 'General Information', 'Review Preferences', 'Additional Information', 'Comments', and 'Manuscript Data'. The 'Attach Files' step is active. On the left, there is a text box with instructions: 'Please provide a single file containing your manuscript now. Data included in your manuscript may be used to populate information for you later in the submission process. Please note that if you upload a Word file, then metadata such as title, abstract, author list, and references can be automatically extracted from the file. If you upload any other file type, you will need to enter these details'. In the center, there is a 'Browse...' button highlighted with a red rectangle, and a 'Drag & Drop Files Here' area. A help icon is visible on the right side of the page.

● 请注意，左侧蓝框内容必须完全上传后，才可进入下一步。

The screenshot shows the 'Review Preferences' step. The breadcrumb trail includes 'Article Type Selection', 'Attach Files', 'General Information', 'Review Preferences', 'Additional Information', 'Comments', and 'Manuscript Data'. The 'Review Preferences' step is active and marked with a red exclamation point. On the left, a blue-bordered box contains a checklist of items to be uploaded: 'Original Article Statement', 'Highlights (for review)', 'Abstract', 'Manuscript', 'Declaration of Interest Statement', and 'Cover Letter'. Below this box, there is a 'Declaration of Interests' section with a help icon and the text: 'All authors must disclose any financial or personal relationships that may be perceived as influencing their work. Complete'. In the center, there is a 'Browse...' button highlighted with a red rectangle, and a 'Drag & Drop Files Here' area. A help icon is visible on the right side of the page.

- 请注意“Declaration of Interests”有模板，可以参考。

DECLARATION OF INTERESTS:

All authors must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work or state if there are no interests to declare.

- Complete Elsevier's **Declaration of Interests form**. (This will open outside of EM, in a new tab.)
- Once you have completed your Declaration, your statement should immediately download to your desktop.
- Upload this file along with the rest of the required items.

The order in which the attached items appear is the order established by this publication. You may re-order any items of the same type manually if necessary.

Data in Brief (optional)

We invite you to convert your supplementary data (or a part of it) into an additional journal publication in Data in Brief, a multi-disciplinary open access journal. Data in Brief articles are descriptions of the data and associated metadata which are often overlooked in supplementary material, or descriptions of the complete dataset related to your research article which you have deposited in an external data repository. Submissions to Data in Brief are actively reviewed, indexed, given a DOI and made freely available upon publication. A data article will make your data easier to find, easier to reproduce, and easier to cite. Please use the [Data in Brief template](#) to write your data article and follow the 'Co-submission Instructions' in this template.

As Data in Brief is open access, a moderate fee (APC) is payable by the author or research funder to cover the costs associated with publication. For more information about the APC please see: www.elsevier.com/journals/data-in-brief/2352-3409/open-access-journal.

For any questions, please send your inquiries to dib@elsevier.com

- 上传完成后点击“proceed”，进入下一步。

Order	Item	Description	File Name	Last Size	Modified	Actions	Select
1	*Original Article Statement	Original Article Statement	statement of original.docx	11.4 KB	Mar 25, 2022	Download	<input type="checkbox"/>
2	*Highlights (for review)	Highlights (for review)	Hlghlights.docx	11.0 KB	Mar 25, 2022	Download	<input type="checkbox"/>
3	*Abstract	Abstract	Abstrct.docx	11.7 KB	Mar 25, 2022	Download	<input type="checkbox"/>
4	*Manuscript	Manuscript	1-Characteristics and Drive Design Analysis of SiC .doc	1.5 MB	Mar 25, 2022	Download	<input type="checkbox"/>
5	*Declaration of Interest Statement	Declaration of Interest Statement	declarationStatement.docx	13.2 KB	Mar 25, 2022	Download	<input type="checkbox"/>
6	*Cover Letter	cover letter	Coverletter.docx	12.0 KB	Mar 25, 2022	Download	<input type="checkbox"/>

Update File Order

Remove

Check All Clear All

← Back Proceed →

- 8、选择稿件的章节或类别：请不要选择下面三个红框中的选项。

Please provide the requested information.

None

Plenary

Invited

General contribution

General contribution

← Back Proceed →

9、审稿人推荐。

The screenshot displays the Editorial Manager interface for the Journal of Crystal Growth. The top navigation bar includes links for HOME, LOGOUT, HELP, REGISTER, UPDATE MY INFORMATION, JOURNAL OVERVIEW, MAIN MENU, CONTACT US, SUBMIT A MANUSCRIPT, INSTRUCTIONS FOR AUTHORS, and POLICIES. The user's role is identified as 'Author' and the username is 'mishuchu@lawbs.com'. A progress bar at the top indicates the current step is 'Review Preferences', with previous steps (Article Type Selection, Attach Files, General Information) marked as complete and subsequent steps (Additional Information, Comments, Manuscript Data) pending.

The main content area features a modal window titled 'Suggest Reviewers' with the following text: 'Please suggest potential reviewers for this submission and provide specific reasons for your suggestion in the comments box for each person. Please note that the editorial office may not use your suggestions, but your help is appreciated and may speed up the selection of appropriate reviewers.' Below this, a red notification states 'Suggesting 3 reviewer(s) is Required for Submission.' The interface includes a 'Current Suggested Reviewers List' with an '+ Add Suggested Reviewer' button and a search bar. At the bottom of the modal, there are 'Back' and 'Proceed' buttons.

1 ?

10、提交：请在提交前做最后的内容确认，完成投稿！

11、您还可以下载：投稿手册（P8-P11），详细了解投稿要求。

[Guide for authors - Journal of Crystal Growth - ISSN 0022-0248 \(elsevier.com\)](http://www.elsevier.com/locate/jcrystalgrowth)。



TABLE OF CONTENTS

●	Description	p.1
●	Audience	p.1
●	Impact Factor	p.1
●	Abstracting and Indexing	p.2
●	Editorial Board	p.2
●	Guide for Authors	p.4



ISSN: 0022-0248

DESCRIPTION

The journal offers a common reference and publication source for workers engaged in research on the experimental and theoretical aspects of **crystal growth** and its applications, e.g. in devices. Experimental and theoretical contributions are published in the following fields: theory of nucleation and growth, molecular kinetics and transport phenomena, crystallization in viscous media such as polymers and glasses; crystal growth of metals, minerals, semiconductors, superconductors, magnetics, inorganic, organic and biological substances in bulk or as thin films; molecular beam epitaxy, chemical vapor deposition, growth of III-V and II-VI and other semiconductors; characterization of single crystals by physical and chemical methods; apparatus, instrumentation and techniques for crystal growth, and purification methods; multilayer heterostructures and their characterisation with an emphasis on crystal growth and epitaxial aspects of electronic materials. A special feature of the journal is the periodic inclusion of proceedings of symposia and conferences on relevant aspects of **crystal growth**.

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 Center](#)

AUDIENCE

Crystal Growers, Crystallographers, Condensed Matter Physicists, Materials Scientists and Solid State Chemists.

IMPACT FACTOR

2020: 1.797 © Clarivate Analytics Journal Citation Reports 2021

ABSTRACTING AND INDEXING

Aluminium Industry Abstracts
Chemical Abstracts
Current Contents - Physical, Chemical & Earth Sciences
EI Compendex Plus
Engineered Materials Abstracts
Engineering Index
INSPEC
Metals Abstracts
Science Citation Index
Scopus

EDITORIAL BOARD

Editor-in-Chief

Jeffrey Derby, University of Minnesota Department of Chemical Engineering and Materials Science, Minneapolis, United States of America

Editors

Silvère Akamatsu, Paris Institute of Nanosciences, Paris, France
(Solidification, Experimentation)

Hajime Asahi, SANKEN, Ibaraki-shi, Japan
(Molecular beam epitaxy)

Matthias Bickermann, TU Berlin Institute of Chemistry, Berlin, Germany
(Bulk growth of nitrides, oxides and fluorides, semiconductors, substrate crystals, crystal growth technology)

Abhik Choudhury, Indian Institute of Science Department of Materials Engineering, Bengaluru, India
Solidification Eutectics Phase-field modeling Modeling of solidification processes

Knut Deppert, Lund University Department of Physics, Lund, Sweden
(Nanocrystals, Nanowires, Epitaxy, III-V semiconductors)

Thierry Duffar, Materials and Processes Science and Engineering, St Martin d'Herès, France
(Bulk crystal growth processes from the melt, including their numerical simulation, All types of defects in bulk crystals, especially in relation with growth conditions, Capillarity in bulk crystal growth)

Robert S. Feigelson, Stanford University Geballe Laboratory for Advanced Materials, Stanford, United States of America

Chung-wen Lan, National Taiwan University Department of Chemical Engineering, Taipei, Taiwan
(Modeling and simulation, Semiconductor solar cells and photovoltaic materials, Optical crystals, Transport phenomena)

Lijun Liu, Xi'an Jiaotong University School of Energy and Power Engineering, Xian, China
(Modeling and simulation of crystal growth, melt/solution growth, Semiconductor and photovoltaic materials, Heat and mass transfer, Transport phenomena)

Elke Meissner, Fraunhofer Institute for Integrated Systems and Device Technology IISB, Erlangen, Germany

Pierre Müller, Interdisciplinary Nanoscience Centre Marseille, Marseille, France

(Theory of crystal growth, Growth mechanisms, Epitaxy, Nanoscale materials, Thin films)

Kazuo Nakajima, Tohoku University Institute for Materials Research, Sendai, Japan

Tania Paskova, NC State University Department of Electrical and Computer Engineering, Raleigh, United States of America

(Growth of bulk nitrides, Epitaxy of highly mismatched systems, Defects in III-V semiconductors)

Baron G. Peters, University of Illinois at Urbana-Champaign Department of Chemical and Biomolecular Engineering, Urbana, United States of America

Joan M. Redwing, The Pennsylvania State University Department of Materials Science and Engineering, University Park, United States of America

(Nanoscale materials, Quantum dots, Nanoparticles, Nanowires)

Peter Rudolph, Crystal Technology Consulting, Schönefeld, Germany

(Defects, Bulk growth, Special types of growth technologies, Semiconductors, Thermodynamics and kinetics, Melt structure)

Keshra Sangwal, Lublin University of Technology Department of Applied Physics, Lublin, Poland
(Solution growth, Crystallization kinetics, Growth morphology)

Alexander E. S. Van Driessche, University Grenoble Alpes, Grenoble, France

(Crystal nucleation and growth from solution, In situ observation, Impurity effects, Mineralization, Protein crystallization)

Stéphane Veesler, Interdisciplinary Nanoscience Centre Marseille, Marseille, France
(Solution growth, Industrial - biological macromolecules, Pharmaceutical compounds)

Founding Editor

M. Schiebert†

Co-Founders

N. Cabrera

B. Chalmers

F.C. Frank

Former Advisor

R.A. Laudise†

Honorary Editor

T.F. Kuech

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.

Types of paper

Original research work

As a guideline: experimental manuscripts should not be longer than 16 double-spaced typed pages and 8 figures and tables; for theoretical manuscripts a maximum of 20 pages and 10 figures and tables is suggested.

Priority communications

For reporting important new results only (must be accompanied by a statement regarding the "prime novelty"). Priority communications should not be longer than 5 double-spaced typed pages, and 3 figures + tables. Priority communications should be submitted to the Principal Editor and will be given priority in both the refereeing and production processes.

All manuscripts should be concisely written, stressing the motivation for, and the novel aspects of, the work. Contributions should contain an Abstract (of up to 200 words) and a Conclusions section, which particularly in the case of theoretical papers translates the results into terms readily accessible to most readers.

Contact details for submission

Submissions outside of Editorial Manager, such as a postal submission, must receive prior approval from the Principal Editor, Professor T. Kuech.

News or announcements should be submitted through the Principal Editor.

Submission checklist

You can use this list to carry out a final check of your submission before you send it to the journal for review. Please check the relevant section in this Guide for Authors for more details.

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:

Manuscript:

- Include keywords
- All figures (include relevant captions)
- All tables (including titles, description, footnotes)
- Ensure all figure and table citations in the text match the files provided
- Indicate clearly if color should be used for any figures in print

Graphical Abstracts / Highlights files (where applicable)

Supplemental files (where applicable)

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)
- A competing interests statement is provided, even if the authors have no competing interests to declare
- Journal policies detailed in this guide have been reviewed
- Referee suggestions and contact details provided, based on journal requirements

For further information, visit our [Support Center](#).

BEFORE YOU BEGIN

Ethics in publishing

Please see our information on [Ethics in publishing](#).

Declaration of competing interest

Corresponding authors, on behalf of all the authors of a submission, must disclose any financial and personal relationships with other people or organizations that could inappropriately influence (bias) their work. Examples of potential conflicts of interest include employment, consultancies, stock ownership, honoraria, paid expert testimony, patent applications/registrations, and grants or other funding. All authors, including those *without* competing interests to declare, should provide the relevant information to the corresponding author (which, where relevant, may specify they have nothing to declare). Corresponding authors should then use [this tool](#) to create a shared statement and upload to the submission system at the Attach Files step. **Please do not convert the .docx template to another file type. Author signatures are not required.**

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, a published lecture or academic thesis, see '[Multiple, redundant or concurrent publication](#)' for more information), 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 [Crossref Similarity Check](#).

Preprints

Please note that [preprints](#) can be shared anywhere at any time, in line with Elsevier's [sharing policy](#). Sharing your preprints e.g. on a preprint server will not count as prior publication (see '[Multiple, redundant or concurrent publication](#)' for more information).

Preprint posting on SSRN

In support of [Open Science](#), this journal offers its authors a free preprint posting service. Preprints provide early registration and dissemination of your research, which facilitates early citations and collaboration.

During submission to Editorial Manager, you can choose to release your manuscript publicly as a preprint on the preprint server [SSRN](#) once it enters peer-review with the journal. Your choice will have no effect on the editorial process or outcome with the journal. Please note that the corresponding author is expected to seek approval from all co-authors before agreeing to release the manuscript publicly on SSRN.

You will be notified via email when your preprint is posted online and a Digital Object Identifier (DOI) is assigned. Your preprint will remain globally available free to read whether the journal accepts or rejects your manuscript.

For more information about posting to [SSRN](#), please consult the [SSRN Terms of Use](#) and [FAQs](#).

Use of inclusive language

Inclusive language acknowledges diversity, conveys respect to all people, is sensitive to differences, and promotes equal opportunities. Content should make no assumptions about the beliefs or commitments of any reader; contain nothing which might imply that one individual is superior to another on the grounds of age, gender, race, ethnicity, culture, sexual orientation, disability or health condition; and use inclusive language throughout. Authors should ensure that writing is free from bias, stereotypes, slang, reference to dominant culture and/or cultural assumptions. We advise to seek gender neutrality by using plural nouns ("clinicians, patients/clients") as default/wherever possible to avoid using "he, she," or "he/she." We recommend avoiding the use of descriptors that refer to personal attributes such as age, gender, race, ethnicity, culture, sexual orientation, disability or health condition unless they are relevant and valid. When coding terminology is used, we recommend to avoid offensive or exclusionary terms such as "master", "slave", "blacklist" and "whitelist". We

suggest using alternatives that are more appropriate and (self-) explanatory such as "primary", "secondary", "blocklist" and "allowlist". These guidelines are meant as a point of reference to help identify appropriate language but are by no means exhaustive or definitive.

Author contributions

For transparency, we encourage authors to submit an author statement file outlining their individual contributions to the paper using the relevant CRediT roles: Conceptualization; Data curation; Formal analysis; Funding acquisition; Investigation; Methodology; Project administration; Resources; Software; Supervision; Validation; Visualization; Roles/Writing - original draft; Writing - review & editing. Authorship statements should be formatted with the names of authors first and CRediT role(s) following. [More details and an example.](#)

Changes to authorship

Authors are expected to consider carefully the list and order of authors **before** submitting their manuscript and provide the definitive list of authors at the time of the original submission. Any addition, deletion or rearrangement of author names in the authorship list should be made only **before** the manuscript has been accepted and only if approved by the journal Editor. To request such a change, the Editor must receive the following from the **corresponding author**: (a) the reason for the change in author list and (b) written confirmation (e-mail, 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.

Only in exceptional circumstances will the Editor consider the addition, deletion or rearrangement of authors **after** the manuscript has been accepted. While the Editor considers the request, publication of the manuscript will be suspended. If the manuscript has already been published in an online issue, any requests approved by the Editor will result in a corrigendum.

Article transfer service

This journal is part of our Article Transfer Service. This means that if the Editor feels your article is more suitable in one of our other participating journals, then you may be asked to consider transferring the article to one of those. If you agree, your article will be transferred automatically on your behalf with no need to reformat. Please note that your article will be reviewed again by the new journal.

[More information.](#)

Copyright

Upon acceptance of an article, authors will be asked to complete a 'Journal Publishing Agreement' (see [more information](#) on this). 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. 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.

For gold open access articles: Upon acceptance of an article, authors will be asked to complete a 'License Agreement' ([more information](#)). Permitted third party reuse of gold open access articles is determined by the author's choice of [user license](#).

Author rights

As an author you (or your employer or institution) have certain rights to reuse your work. [More information.](#)

Elsevier supports responsible sharing

Find out how you can [share your research](#) published in Elsevier journals.

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, it is recommended to state this.

Open access

Please visit our [Open Access page](#) for more information.

Elsevier Researcher Academy

[Researcher Academy](#) is a free e-learning platform designed to support early and mid-career researchers throughout their research journey. The "Learn" environment at Researcher Academy offers several interactive modules, webinars, downloadable guides and resources to guide you through the process of writing for research and going through peer review. Feel free to use these free resources to improve your submission and navigate the publication process with ease.

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 Author Services.

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.

Please submit, with the manuscript, the names and addresses of 4 to 6 potential referees.

PREPARATION

Queries

For questions about the editorial process (including the status of manuscripts under review) or for technical support on submissions, please visit our [Support Center](#).

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 article number or 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. The corresponding caption should be placed directly below the figure or table.

Peer review

This journal operates a single anonymized review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then typically sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final. Editors are not involved in decisions about papers which they have written themselves or have been written by family members or colleagues or which relate to products or services in which the editor has an interest. Any such submission is subject to all of the journal's usual procedures, with peer review handled independently of the relevant editor and their research groups. [More information on types of peer review.](#)

REVISED SUBMISSIONS

Authors must submit their manuscript online as a LaTeX, Microsoft (MS) Word, WordPerfect, PostScript document via the online submission system.

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](#)). 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](#) to prepare your manuscript and [BibTeX](#) to generate your bibliography.

Our [LaTeX site](#) has detailed submission instructions, templates and other information.

Article structure

Structure. Please adhere to the following order of presentation: [Title, Author\(s\), Affiliation\(s\), Abstract, Keywords, Main text, Acknowledgements, Appendices, References, Figure captions, Tables.](#) For regular articles a maximum of four levels of sections and subsections is allowed.

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.

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. You can add your name between parentheses in your own script behind the English transliteration. 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. This responsibility includes answering any future queries about Methodology and Materials. **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.

Highlights

Highlights are mandatory for this journal as they help increase the discoverability of your article via search engines. They consist of a short collection of bullet points that capture the novel results of your research as well as new methods that were used during the study (if any). Please have a look at the examples here: [example Highlights](#).

Highlights 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).**

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.

Keywords

Please supply six keywords from the [keyword list](#) and insert them below the abstract in the proof of your paper which will be sent to you shortly. Each keyword should be accompanied by the capital letter denoting the category from which the keyword has been selected, e.g. Keywords: A1.Biocrystallization, B1. Nanomaterials. If the keywords from the list are not relevant, authors may choose their own keywords, but each of these should also be accompanied by the capital letter denoting the category into which it falls.

Formatting of funding sources

List funding sources in this standard way to facilitate compliance to funder's requirements:

Funding: This work was supported by the National Institutes of Health [grant numbers xxxx, yyyy]; the Bill & Melinda Gates Foundation, Seattle, WA [grant number zzzz]; and the United States Institutes of Peace [grant number aaaa].

It is not necessary to include detailed descriptions on the program or type of grants and awards. When funding is from a block grant or other resources available to a university, college, or other research institution, submit the name of the institute or organization that provided the funding.

If no funding has been provided for the research, it is recommended to include the following sentence:

This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.

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.

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. [Further information on the preparation of electronic artwork.](#)

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.

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 and shading in table cells.

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.

Reference links

Increased discoverability of research and high quality peer review are ensured by online links to the sources cited. In order to allow us to create links to abstracting and indexing services, such as Scopus, CrossRef and PubMed, please ensure that data provided in the references are correct. Please note that incorrect surnames, journal/book titles, publication year and pagination may prevent link creation. When copying references, please be careful as they may already contain errors. Use of the DOI is highly encouraged.

A DOI is guaranteed never to change, so you can use it as a permanent link to any electronic article. An example of a citation using DOI for an article not yet in an issue is: VanDecar J.C., Russo R.M., James D.E., Ambeh W.B., Franke M. (2003). Aseismic continuation of the Lesser Antilles slab beneath northeastern Venezuela. *Journal of Geophysical Research*, <https://doi.org/10.1029/2001JB000884>. Please note the format of such citations should be in the same style as all other references in the paper.

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.

Data references

This journal encourages you to cite underlying or relevant datasets in your manuscript by citing them in your text and including a data reference in your Reference List. Data references should include the following elements: author name(s), dataset title, data repository, version (where available), year, and global persistent identifier. Add [dataset] immediately before the reference so we can properly identify it as a data reference. The [dataset] identifier will not appear in your published article.

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 their reference template available in many of the most popular reference management software products. These include all products that support [Citation Style Language styles](#), such as [Mendeley](#). Using citation plug-ins from these products, authors only need to select the appropriate journal template when preparing their article, after which citations and bibliographies will be automatically formatted in the journal's style. If no template is yet available for this journal, please follow the format of the sample references and citations as shown in this Guide. If you use reference management software, please ensure that you remove all field codes before submitting the electronic manuscript. [More information on how to remove field codes from different reference management software](#).

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 article number or 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.

Example: '..... as demonstrated [3,6]. Barnaby and Jones [8] obtained a different result'

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] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, The art of writing a scientific article, *J. Sci. Commun.* 163 (2010) 51–59. <https://doi.org/10.1016/j.Sc.2010.00372>.

Reference to a journal publication with an article number:

[2] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, 2018. The art of writing a scientific article. *Heliyon*. 19, e00205. <https://doi.org/10.1016/j.heliyon.2018.e00205>.

Reference to a book:

[3] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

Reference to a chapter in an edited book:

[4] G.R. Mettam, L.B. Adams, How to prepare an electronic version of your article, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing Inc., New York, 2009, pp. 281–304.

Reference to a website:

[5] Cancer Research UK, Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/>, 2003 (accessed 13 March 2003).

Reference to a dataset:

[dataset] [6] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, *Mendeley Data*, v1, 2015. <https://doi.org/10.17632/xwj98nb39r.1>.

Reference to software:

[7] E. Coon, M. Berndt, A. Jan, D. Svyatsky, A. Atchley, E. Kikinzon, D. Harp, G. Manzini, E. Shelef, K. Lipnikov, R. Garimella, C. Xu, D. Moulton, S. Karra, S. Painter, E. Jafarov, S. Molins, Advanced Terrestrial Simulator (ATS) v0.88 (Version 0.88), Zenodo, March 25, 2020. <https://doi.org/10.5281/zenodo.3727209>.

Number system with journal name; volume (year) and page number.

Journal abbreviations source

Journal names should be abbreviated according to the [List of Title Word Abbreviations](#).

Video

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 file in one of our recommended file formats with a preferred maximum size of 150 MB per file, 1 GB in total. Video and animation files supplied will be published online in the electronic version of your article in Elsevier Web products, including [ScienceDirect](#). 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](#). 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.

Data visualization

Include interactive data visualizations in your publication and let your readers interact and engage more closely with your research. Follow the instructions [here](#) to find out about available data visualization options and how to include them with your article.

Supplementary material

Supplementary material such as applications, images and sound clips, can be published with your article to enhance it. Submitted supplementary items are published exactly as they are received (Excel or PowerPoint files will appear as such online). Please submit your material together with the article and supply a concise, descriptive caption for each supplementary file. If you wish to make changes to supplementary material during any stage of the process, please make sure to provide an updated file. Do not annotate any corrections on a previous version. Please switch off the 'Track Changes' option in Microsoft Office files as these will appear in the published version.

Research data

This journal encourages and enables you to share data that supports your research publication where appropriate, and enables you to interlink the data with your published articles. Research data refers to the results of observations or experimentation that validate research findings. To facilitate reproducibility and data reuse, this journal also encourages you to share your software, code, models, algorithms, protocols, methods and other useful materials related to the project.

Below are a number of ways in which you can associate data with your article or make a statement about the availability of your data when submitting your manuscript. If you are sharing data in one of these ways, you are encouraged to cite the data in your manuscript and reference list. Please refer to the "References" section for more information about data citation. For more information on depositing, sharing and using research data and other relevant research materials, visit the [research data](#) page.

Data linking

If you have made your research data available in a data repository, you can link your article directly to the dataset. Elsevier collaborates with a number of repositories to link articles on ScienceDirect with relevant repositories, giving readers access to underlying data that gives them a better understanding of the research described.

There are different ways to link your datasets to your article. When available, you can directly link your dataset to your article by providing the relevant information in the submission system. For more information, visit the [database linking page](#).

For [supported data repositories](#) a repository banner will automatically appear next to your published article on ScienceDirect.

In addition, you can link to relevant data or entities through identifiers within the text of your manuscript, using the following format: Database: xxxx (e.g., TAIR: AT1G01020; CCDC: 734053; PDB: 1XFN).

Mendeley Data

This journal supports Mendeley Data, enabling you to deposit any research data (including raw and processed data, video, code, software, algorithms, protocols, and methods) associated with your manuscript in a free-to-use, open access repository. During the submission process, after uploading your manuscript, you will have the opportunity to upload your relevant datasets directly to *Mendeley Data*. The datasets will be listed and directly accessible to readers next to your published article online.

For more information, visit the [Mendeley Data for journals page](#).

Data in Brief

You have the option of converting any or all parts of your supplementary or additional raw data into a data article published in *Data in Brief*. A data article is a new kind of article that ensures that your data are actively reviewed, curated, formatted, indexed, given a DOI and made publicly available to all upon publication (watch this [video](#) describing the benefits of publishing your data in *Data in Brief*). You are encouraged to submit your data article for *Data in Brief* as an additional item directly alongside the revised version of your manuscript. If your research article is accepted, your data article will automatically be transferred over to *Data in Brief* where it will be editorially reviewed, published open access and linked to your research article on ScienceDirect. Please note an [open access fee](#) is payable for publication in *Data in Brief*. Full details can be found on the [Data in Brief website](#). Please use [this template](#) to write your *Data in Brief* data article.

MethodsX

You have the option of converting relevant protocols and methods into one or multiple MethodsX articles, a new kind of article that describes the details of customized research methods. Many researchers spend a significant amount of time on developing methods to fit their specific needs or setting, but often without getting credit for this part of their work. MethodsX, an open access journal, now publishes this information in order to make it searchable, peer reviewed, citable and reproducible. Authors are encouraged to submit their MethodsX article as an additional item directly alongside the revised version of their manuscript. If your research article is accepted, your methods article will automatically be transferred over to MethodsX where it will be editorially reviewed. Please note an open access fee is payable for publication in MethodsX. Full details can be found on the [MethodsX website](#). Please use [this template](#) to prepare your MethodsX article.

Data statement

To foster transparency, we encourage you to state the availability of your data in your submission. This may be a requirement of your funding body or institution. If your data is unavailable to access or unsuitable to post, you will have the opportunity to indicate why during the submission process, for example by stating that the research data is confidential. The statement will appear with your published article on ScienceDirect. For more information, visit the [Data Statement page](#).

AFTER ACCEPTANCE

Online proof correction

To ensure a fast publication process of the article, we kindly ask authors to provide us with their proof corrections within two days. 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 will, at no cost, receive a customized [Share Link](#) providing 50 days free access to the final published version of the article on [ScienceDirect](#). The Share Link can be used for sharing the article via any communication channel, including email and social media. 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 [Author Services](#). Corresponding authors who have published their article gold open access do not receive a Share Link as their final published version of the article is available open access on ScienceDirect and can be shared through the article DOI link.

AUTHOR INQUIRIES

Visit the [Elsevier Support Center](#) to find the answers you need. Here you will find everything from Frequently Asked Questions to ways to get in touch.

You can also [check the status of your submitted article](#) or find out [when your accepted article will be published](#).

© Copyright 2018 Elsevier | <https://www.elsevier.com>