



ELECTROCHIMICA ACTA

The official journal of the [International Society of Electrochemistry \(ISE\)](#)

AUTHOR INFORMATION PACK

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.3



ISSN: 0013-4686

DESCRIPTION

<http://content.elsevierjournals.intuitiv.net/content/files/ise-15092931.png> International Society of Electrochemistry (ISE)

Electrochimica Acta is an international journal. It is intended for the publication of both original work and reviews in the field of **electrochemistry**. Electrochemistry should be interpreted to mean any of the research fields covered by the Divisions of the [International Society of Electrochemistry](#) listed below, as well as emerging scientific domains covered by ISE New Topics Committee.

ISE Divisions:

- (1) **Analytical Electrochemistry**
- (2) **Bioelectrochemistry**
- (3) **Electrochemical Energy Conversion and Storage**
- (4) **Electrochemical Materials Science**
- (5) **Electrochemical Process Engineering and Technology**
- (6) **Molecular Electrochemistry**
- (7) **Physical Electrochemistry**

Electrochimica Acta is the official journal of the [International Society of Electrochemistry \(ISE\)](#). The ISE was founded in 1949 by leading European and American electrochemists to serve the growing needs of electrochemistry. Since then the ISE has evolved to comprise more than 2000 individual members, from more than 60 countries. Visit their homepage at <http://www.ise-online.org>.

AUDIENCE

Research Scientists involved in fundamental electrochemistry, electrode and electrolyte materials, analytical electrochemistry, electrochemical energy conversion, corrosion, electrodeposition and surfacetreatment, electrochemical engineering, bioelectrochemistry.

IMPACT FACTOR

2013: 4.086 © Thomson Reuters Journal Citation Reports 2014

ABSTRACTING AND INDEXING

BIOSIS
Elsevier BIOBASE
Chemical Abstracts
Current Contents
Current Technology Index
Engineering Index
Environmental Periodicals Library
PASCAL/CNRS
Zn/Pb/Cd Abstracts
APOLLIT
Scopus

EDITORIAL BOARD

Editor in Chief

A.R. Hillman, Dept. of Chemistry, University of Leicester, University Road, Leicester, LE1 7RH, UK

Special Issue Editor

S. Trasatti, Department of Chemistry, University of Milan, 20133, Milan, Italy

Editors

P. Allongue, Lab. de Physique d'I Matière Condensée, CNRS UMR 7643, École Polytechnique, 91128, Palaiseau, France

N. Birbilis, Dept. of Materials Engineering, Monash University, Wellington Road, Clayton, VIC 3800, Australia

E. Ferapontova, Interdisciplinary Nanoscience Ctr. (iNANO), Aarhus University, Ny Munkegade, Bygn. 520, DK-8000, Aarhus, Denmark

P.J. Kulesza, Department of Chemistry, University of Warsaw, L. Pasteura 1 St., 02-093, Warsaw, Poland

R. Kötz, Lab. for Electrochemistry, OLGA/ 115, Paul Scherrer Institute (PSI), CH-5232, Villigen, PSI, Switzerland

T. Matsue, Graduate School of Environmental Studies, School of Engineering, Tohoku University, 6-6-20 Aramaki-Aza Aoba, Aoba-Ku, 980-8579, Sendai, Japan

S. Sotiropoulos, Dept. of Chemistry, Aristotle University of Thessaloniki, 54124, Thessaloniki, Greece

S.-G. Sun, Dept. of Chemistry, Xiamen University, 361005, Xiamen, China

A. Wieckowski, Dept. of Chemistry, Roger Adams Lab., University of Illinois at Urbana-Champaign, 600 South Mathews Avenue, Urbana, IL 61801, Illinois, USA

Advisory Board

S. Brankovic, Houston, Texas, USA

C.M.A. Brett, Coimbra, Portugal

A. Downard, Christchurch, New Zealand

E. Herrero, Alicante, Spain

A. Kuhn, Pessac, France

F. Lapicque, Nancy Cédex, France

F. Marken, Claverton Down, Bath, England, UK

K. Ota, Yokohama, Japan

F. Paolucci, Bologna, Italy

E.R. Savinova, Strasbourg, France

F. Walsh, Southampton, UK

G. Zangari, Charlottesville, Virginia, USA

GUIDE FOR AUTHORS

INTRODUCTION

[Technical Editorial Issues - Checklist \(Please click here for PDF\)](#)

The Journal publishes full-length research papers, critical reviews and discussion papers in the field of pure and applied electrochemistry. Contributions from members and non-members of the International Society of Electrochemistry are equally welcome.

Contributions will only be considered for publication if they are likely to be of interest to our readers and subscribers. Contents must be relevant to electrochemistry. Presentation and discussion should be at the level of the international status of the Journal. The language can be a reason for rejection at first sight if below an acceptable level of clarity. Detailed descriptions of apparatus etc. should only be given if such apparatus is new. Papers reporting experimental data without adequate interpretation are not acceptable. Papers devoted to applications of well-established techniques to technical problems are as a rule not accepted. Papers are expected to contain mechanistic analysis relevant to electrochemistry. The use of an electrochemical technique does not necessarily turn an otherwise non-electrochemical subject into an electrochemical piece of work. Contributions will be accepted for publication only on the recommendation of referees. ISE recommends that Preliminary Notes (which are no longer published by *Electrochimica Acta*) should be sent to *Electrochemistry Communications* (Editor-in-Chief RG Compton, Oxford University, Physical and Theoretical Chemistry Laboratory, South Parks Road, Oxford OX1 3QZ, England, www.elsevier.com/locate/elecom).

Types of papers

Research Papers should be complete and authoritative accounts of work that has special significance and general interest, presented clearly and concisely.

Critical Reviews are commissioned by the Editor-in-Chief. Authors intending to offer critical reviews are advised first to contact the Editor-in-Chief.

Discussion Papers contain critical comments on papers already published in the Journal.

Comments will be submitted to the Authors of the paper under discussion. Eventual replies will be published jointly with the comments in a special section of the Journal labeled "Discussion Section" at the end of an ordinary issue.

Publication will occur only on agreement of both parts.

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>.

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

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

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.

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 about this can be found here: <http://www.elsevier.com/authors/article-transfer-service>.

Copyright

This journal offers authors a choice in publishing their research: Open access and Subscription.

For subscription articles

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 reuse of open access articles is determined by the author's choice of user license (see <http://www.elsevier.com/openaccesslicenses>).

Retained author rights

As an author you (or your employer or institution) retain certain rights. For more information on author rights for:

Subscription articles please see <http://www.elsevier.com/journal-authors/author-rights-and-responsibilities>.

Open access articles please see <http://www.elsevier.com/OAauthoragreement>.

Role of the funding source

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

Funding body agreements and policies

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

Open access

This journal 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 their research funder

Subscription

- Articles are made available to subscribers as well as developing countries and patient groups through our access programs (<http://www.elsevier.com/access>)
- No open access publication fee

All articles published open access will be immediately and permanently free for everyone to read and download. Permitted reuse is defined by your choice of one of the following Creative Commons user licenses:

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

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

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

To provide open access, this journal has a publication fee which needs to be met by the authors or their research funders for each article published open access.

Your publication choice will have no effect on the peer review process or acceptance of submitted articles.

The open access publication fee for this journal is **\$2600**, excluding taxes. Learn more about Elsevier's pricing policy: <http://www.elsevier.com/openaccesspricing>.

Language (usage and editing services)

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

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.

Referees

The Editors reserve the right to decline to publish manuscripts which they consider inappropriate for *Electrochimica Acta*. When submitting their paper authors should supply the names and addresses (including e-mail addresses) of 3 suitable referees. The editors usually ask up to 3 referees to review each paper.

Guided by referees' reports, the editors will place each manuscript in one of four categories:

- a) to be accepted for publication,
- b) to be reconsidered, after the authors have had an opportunity to make recommended revisions and reply in detail to referees' comments,

c) to be rejected, with an invitation to the authors to submit an extensively revised manuscript (reject provisionally or in the present form). The revision will be treated as a new manuscript, with the difference that it must be accompanied by a set of detailed replies to all issues raised by the referees of the original manuscript,
d) to be rejected. Papers in this category should not be resubmitted, however revised.

PREPARATION

Use of Word processing software

It is important that the file be saved in the native format of the wordprocessor used. All contributions should be typed, double-spaced, 12-pt font. All pages must be numbered in sequence. Most formatting codes will be removed and replaced on processing the article. In particular, do not use the wordprocessor's options to justify text or to hyphenate words. However, do use bold face, italics, subscripts, superscripts etc. Do not embed graphically designed equations or tables, but prepare these using the wordprocessor's facility. When preparing tables, if you are using a table grid, use only one grid for each individual table and not a grid for each row. If no grid is used, use tabs, not spaces, to align columns. 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>). Do not import the figures into the text file but, instead, indicate their approximate locations directly in the electronic text and on the manuscript. See also the section on Electronic illustrations.

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>.

Manuscripts typed in two columns reproducing the printed version of the Journal will be returned to the Authors. Such a format is very inconvenient for reviewers since there is no space for notes in particular between the lines.

Do **not** submit your manuscript as a PDF but use Word or 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.

Introduction

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

Experimental

Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described.

Theory/ calculations (if appropriate)

A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.

Results and discussion

Results should be clear and concise. A combined Results and Discussion section is often preferred but separate sections "Results" and "Discussion" may also be appropriate. The *latter* should explore the significance of the results of the work, not repeat them. Avoid extensive citations and discussion of published literature.

Conclusions

The main conclusions of the study may be presented in a short Conclusions section.

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.).

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.** Where the family name may be ambiguous (e.g., a double name), please indicate this clearly. 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 phone numbers (with country and area code) are provided in addition to the e-mail address and the complete postal address. Contact details must be 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.
- **Authors** who are ISE members should be identified on the title page with superscript 1 after the name and a footnote " 1 ISE member ".

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.

Graphical abstract

Although a graphical abstract is optional, its use is encouraged as it draws more attention to the online article. The graphical abstract should summarize the contents of the article in a concise, pictorial form designed to capture the attention of a wide readership. Graphical abstracts should be submitted as a separate file in the online submission system. Image size: Please provide an image with a minimum of 531 × 1328 pixels (h × w) or proportionally more. The image should be readable at a size of 5 × 13 cm using a regular screen resolution of 96 dpi. Preferred file types: TIFF, EPS, PDF or MS Office files. See <http://www.elsevier.com/graphicalabstracts> for examples.

Authors can make use of Elsevier's Illustration and Enhancement service to ensure the best presentation of their images and in accordance with all technical requirements: [Illustration Service](#).

Highlights

Highlights are a short collection of bullet points that convey the core findings of the article. Highlights are optional and should be submitted in a separate file in the online submission system. Please include 3 to 5 bullet points (max. 85 characters per bullet point including spaces). See <http://www.elsevier.com/researchhighlights> for examples.

Note: for Asian authors, interpreting a character as a word, max 85 characters per bullet point corresponds with approx. 20 words max per bullet point.

Keywords

Immediately after the abstract, provide a maximum of five (5) keywords, using American spelling and avoiding general terms (such as: "electrode") and plural terms (such as: "and", "of") Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible.

Symbols and Units

Each paper should be consistent within itself as to abbreviations, symbols and units. These should conform to IUPAC recommendations. Authors should use SI units wherever possible and when these are not used should provide a conversion factor to SI units. Axes for graphs and headings for tables should be given in quantity calculus form, *eg* time as t/s , potential as E/mV , current density as $j/A\text{ cm}^{-2}$. Any electrochemical abbreviations should be written in lower case without stops, for example *emf*, *ac*.

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 can build footnotes into the text, and this feature may be used. Otherwise, please indicate the position of footnotes in the text and list the footnotes themselves separately at the end of the article. Do not include footnotes in the Reference list.

Electronic camera ready copy (e-CRC)

General points: Elsevier can only accept MS Word, LaTeX, or postscript/PDF documents as electronic camera-ready copy (e-CRC). Electronic files can be stored on CD or may be transferred to Elsevier via FTP (details available from Customer support: <http://epsupport.elsevier.com>).

MS Word file: Please ensure that you use normal fonts as much as possible in your documents, such as Times New Roman, Arial, Symbol, Helvetica, or Times (TrueType or Type 1 fonts). Special fonts, such as those used in the Far East (Japanese, Chinese, Korean, etc.) may cause problems during processing. If you use a lot of special fonts, please convert the document to PDF with Adobe Acrobat (see below, and also Elsevier's Quickguide: <http://www.elsevier.com/wps/find/authorsview.authors/howtosubmitpaper>). Please place figures in a logical place within the document (see also the section on *Preparation of electronic illustrations* at <http://www.elsevier.com/artworkinstructions>). To avoid unnecessary errors you are strongly advised to use the "spellchecker" function of your wordprocessor.

LaTeX documents: Please use a LaTeX setup that uses Type 1 fonts instead of the sometimes default bitmap fonts (Type 3, or pk fonts). For instance, using the LaTeX Times package may be enough to enable this adjustment. For information on LaTeX see <http://www.elsevier.com/latex>. Please provide all document-related and temporary files on submission, as well as the resulting postscript or PDF file.

Postscript/PDF files: Please create postscript files, making sure all fonts are embedded. When creating PDF files with Adobe Acrobat, please use version 4.05 or higher, and use the standard "Press Optimized" settings, as provided by Adobe.

Supplementary data: Supplementary data are for the convenience of the referees only and will not be published either on line or in print.

Artwork

Electronic artwork

General points

- Make sure you use uniform lettering and sizing of your original artwork.
- Embed the used fonts if the application provides that option.
- Aim to use the following fonts in your illustrations: Arial, Courier, Times New Roman, Symbol, or use fonts that look similar.
- Number the illustrations according to their sequence in the text.
- Use a logical naming convention for your artwork files.
- Provide captions to illustrations separately.
- Size the illustrations close to the desired dimensions of the printed version.
- Submit each illustration as a separate file.

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

If your electronic artwork is created in a Microsoft Office application (Word, PowerPoint, Excel) then please supply 'as is' in the native document format.

Regardless of the application used other than Microsoft Office, 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 all used fonts.

TIFF (or JPEG): Color or grayscale photographs (halftones), keep to a minimum of 300 dpi.

TIFF (or JPEG): Bitmapped (pure black & white pixels) line drawings, keep to a minimum of 1000 dpi.

TIFF (or JPEG): Combinations bitmapped line/half-tone (color or grayscale), keep to a minimum of 500 dpi.

Please do not:

- Supply files that are optimized for screen use (e.g., GIF, BMP, PICT, WPG); these typically have a low number of pixels and limited set of colors;
- 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.

Figures

Figures must be numbered in sequence and the number must be placed close to the figures. Figures should not be embedded in the text document. Figures should be placed at the end of the manuscript, with a maximum of two figures per page. Figures not identified by a number are not acceptable.

Figure captions

Ensure that each illustration has a caption. Supply captions separately, not attached to the figure. 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.

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. Figures not identified by a number and caption are not acceptable.

For review purposes appropriate captions should be placed beneath each illustration, but not embedded within the illustration. If this is not possible, all figure captions must be provided on a separate page immediately following the manuscript and authors must advise of this in the accompanying cover letter.

Text graphics

Text graphics may be embedded in the text at the appropriate position. If you are working with LaTeX and have such features embedded in the text, these can be left. See further under Electronic artwork.

Tables

Number tables consecutively with Arabic numbers in accordance with their appearance in the text. Place footnotes to tables below the table body and indicate them with superscript lowercase letters. Avoid vertical rules. Be sparing in the use of tables and ensure that the data presented in tables do not duplicate results described elsewhere in the article.

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 encouraged.

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

This journal has standard templates available in key reference management packages EndNote (<http://www.endnote.com/support/enstyles.asp>) and Reference Manager (<http://refman.com/support/rmstyles.asp>). Using plug-ins to wordprocessing packages, 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 which is described below.

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

Reference management software

This journal has standard templates available in key reference management packages EndNote (<http://www.endnote.com/support/enstyles.asp>) and Reference Manager (<http://refman.com/support/rmstyles.asp>). Using plug-ins to wordprocessing packages, 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 which is described below.

Reference style

References should be indicated in the text in square brackets on the same line and listed at the end of the paper as follows:

- [1] R. Kotz, M. Carlen, Principles and applications of electrochemical capacitors, *Electrochim. Acta* 45 (2000) 2483.
- [2] W. Plieth, *Electrochemistry for Materials Science*, Elsevier, Amsterdam, 2007.
- [3] J. Wang, Stripping-based electrochemical metal sensors for environmental monitoring, in: S. Alegret, A. Merkoçi (Eds.), *Electrochemical Sensor Analysis*, Vol. 49, Ch. 6, Elsevier, Amsterdam, 2007, p. 131.
- [4] A. Sudholz, N. Birbilis, The influence of alloying and impurity elements on the corrosion of magnesium alloys, in: *18th International Corrosion Congress 2011*, Perth, Australia, 20-24 November 2011, Vol. 2, Curran Ass. Inc., Red Hook, NY, 2012, p. 1241. Abbreviations of journal titles should follow those in *World List of Scientific Periodicals*(Fourth Edition).

Multiple references under a same number do not fit in with the standard of the Journal and should be avoided.

Journal abbreviations source

Journal names should be abbreviated according to the List of Title Word Abbreviations: <http://www.issn.org/services/online-services/access-to-the-ltwa/>.

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 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 maximum size of 10 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. These should not be submitted as Supplementary data since they are integral part of the manuscript.

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.

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
- Phone numbers

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'
- References are in the correct format for this journal
- 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>).

Electrochemical Calendar

Material for the Calendar should be sent to the Editor-in-Chief, Conference organizers are asked to submit details at least six months before the date of the event.

AUTHOR INQUIRIES

You can track your submitted article at http://help.elsevier.com/app/answers/detail/a_id/89/p/8045/. 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>