

## 1. INTRODUCTION

### 1.1 Introduction to the journal

*Journal of Electrochemistry* aims to timely report the new scientific and technological achievements / progresses in Chinese electrochemical researches. It is devoted great efforts to promote as well as to extend the international interflow of Chinese electrochemistry research in the world. To combine the fundamental and theoretical studies together with the practical applications of technologies in one volume is the main feature of this journal. It publishes more than 400 pages of Communications, Articles, Reviews, and Research Notes a year. Published monthly, *Journal of Electrochemistry* provides research essential to the field of electrochemistry.

*Journal of Electrochemistry* is an Open Access journal, meaning that it is fully open access and has no fees for authors whose articles are accepted in the journal. We allows all readers around the world to have free access to articles published in *Journal of Electrochemistry*.

### 1.2 Types of contributions

There are four types of manuscripts.

**Reviews** deal with topics of current interest in any of the areas covered by *Journal of Electrochemistry*. Reviews are surveys, with entire, systematic, and important information, of recent progress in important topics of electrochemistry. Rather than an assemblage of detailed information or a complete literature survey, a critically selected treatment of the material is desired. Unsolved problems and possible developments should also be discussed. Authors should have published articles in the field. The references for a Review should be more than 60.

**Communications** rapidly report studies with significant innovation and with major academic value. They are limited to 3 Journal pages (approximately 15000 characters). Manuscripts accepted as Communications will be published after its acceptance as soon as possible.

**Articles** are original full-text reports on innovative, systematic, and completed research topics in catalysis.

**Research Note** describe the results of original research in general in a certain area, with a view to highlighting the progress, analyzing the major problems, and commenting on the possible research target and direction in the future. Research note may be organized as the author wishes, but should not be more than 3-6 Journal pages (15000-30000 characters) in length. Chemical formulae, figures, and schemes should be restricted to important examples, and the number of references should be no more than 30.

## **2. BEFORE YOU BEGIN**

### **2.1 Ethical responsibilities of authors**

This journal is committed to upholding the integrity of the scientific record. As a member of the **Committee on Publication Ethics (COPE)** the journal will follow the COPE guidelines on how to deal with potential acts of misconduct.

Authors should refrain from misrepresenting research results which could damage the trust in the journal, the professionalism of scientific authorship, and ultimately the entire scientific endeavour. Maintaining integrity of the research and its presentation can be achieved by following the rules of good scientific practice, which include:

The manuscript has not been submitted to more than one journal for simultaneous consideration.

The manuscript has not been published previously (partly or in full), unless the new work concerns an expansion of previous work (please provide transparency on the re-use of material to avoid the hint of text-recycling (“self-plagiarism”).

A single study is not split up into several parts to increase the quantity of submissions and submitted to various journals or to one journal over time (e.g. “salami-publishing”).

No data have been fabricated or manipulated (including images) to support your conclusions. Upon request, authors should be prepared to submit relevant documentation or data in order to verify the validity of the results. This could be in the form of, raw data, samples, records, etc.

No data, text, or theories by others are presented as if they were the author's own ("plagiarism"). Proper acknowledgements to other works must be given (this includes material that is closely copied (near verbatim), summarized and/or paraphrased), quotation marks are used for verbatim copying of material, and permissions are secured for material that is copyrighted.

Important note: the journal may use software to screen for plagiarism.

Consent to submit has been received explicitly from all co-authors, as well as from the responsible authorities - tacitly or explicitly - at the institute/organization where the work has been carried out, before the work is submitted.

Changes of authorship or in the order of authors are not accepted after acceptance of a manuscript.

Requests to add or delete authors at the revision stage or after publication is a serious matter, and may be considered only after receiving a written approval from all authors with a detailed explanation about the role/deletion of the new/deleted author. The decision of whether or not to accept the change rests with the Editor-in-Chief of the journal.

Authors whose names appear on the submission have contributed sufficiently to the scientific work and therefore share collective responsibility and accountability for the results.

## 2.2 Studies in humans and animals

If the work involves the use of human subjects, the author should ensure that the work described has been carried out in accordance with **The Code of Ethics of the World Medical Association** (Declaration of Helsinki) for experiments involving humans. The manuscript should be in line with the **Recommendations for the Conduct, Reporting, Editing and Publication of Scholarly Work in Medical Journals**

and aim for the inclusion of representative human populations (sex, age and ethnicity) as per those recommendations. The terms **sex and gender** should be used correctly.

Authors should include a statement in the manuscript that informed consent was obtained for experimentation with human subjects. The privacy rights of human subjects must always be observed.

All animal experiments should comply with the **ARRIVE guidelines** and should be carried out in accordance with the U.K. Animals (Scientific Procedures) Act, 1986 and associated guidelines, **EU Directive 2010/63/EU for animal experiments**, or the National Institutes of Health guide for the care and use of Laboratory animals (NIH Publications No. 8023, revised 1978) and the authors should clearly indicate in the manuscript that such guidelines have been followed. The sex of animals must be indicated, and where appropriate, the influence (or association) of sex on the results of the study.

### 2.3 Declaration of competing 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 the three years from the beginning of the submitted work that can inappropriately influence or is perceived to influence their work. Please see the **LINK** before submission, and declare the Conflict of interest during the manuscript submission process.

### 2.4 Submission declaration and verification

*Journal of Electrochemistry* does not publish manuscripts that have already appeared in print or electronically. **Submission of a manuscript implies that the paper has not been previously published** (except in the form of an abstract or as part of a published lecture or academic thesis) and is not under consideration for publication in any medium and any language. It is not in violation of any copyright law, and all authors and responsible authorities of the manuscript have agreed to its

submission. the authors are to ensure that the publication of the manuscript 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, without the written consent of the copyright holder. **To verify originality, your article may be checked through Crosscheck.**

### 2.5 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 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. These guidelines are meant as a point of reference to help identify appropriate language but are by no means exhaustive or definitive.

### 2.6 Author list

When submit a manuscript, the submitting author **must provide the contact information** (full name, e-mail address, institutional affiliation and mailing address) **of all co-authors**. Requests to add or remove an author, or to rearrange the author names, must be sent to the Journal Editorial office from the corresponding author of the 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.** Changes of the author list should be made only before the manuscript has been accepted and only if approved by the journal Editor.

## 2.7 Cover letter

A letter is required along with the manuscript, and it must include the following components.

(a) A paragraph clearly presenting the novelty of the work and the reason why your manuscript is suitable for *Journal of Electrochemistry*.

(b) **Authors are strongly encouraged to submit the manuscript with high significance rejected by other international journals (such as Journal of the American Chemical Society, Journal of Power Sources, etc.) with at least one referee recommending acceptance. *Journal of Electrochemistry* will handle the manuscripts as soon as possible.** The Editors-in-Chief and Associate Editors will make the final decision for such manuscripts without further reviewing or with only one referee's comments.

(c) If the manuscript was previously rejected by *Journal of Electrochemistry*, these authors should provide both the manuscript number of the original manuscript and a detailed response to each reviewer's comments.

(d) A statement confirming the manuscript, or its contents in any other form (except in the form of an abstract or as part of a published lecture or academic thesis), has not been published previously by any of the authors, nor is it under consideration for publication in any medium and any language, at the time of submission.

(e) A description of any supporting information and/or Review-Only Material.

(f) The names and e-mail addresses of three suggested possible reviewers.

## 2.8 Details of submission

The following information is required during manuscript submission process:

- Type of manuscript (Reviews, Communications, Articles, Research Note)
- Manuscript title

- Abstract
- Attributes (Subject and Keyword)
- Authors and Institutions (the submitting author must provide the contact information (full name, e-mail address, institutional affiliation and mailing address) of all co-authors)
- Reviewers (provide at least three potential Reviewers)
- Details and Comments
- File Upload
- Review and Submit

Precautions for handling dangerous materials or for performing hazardous procedures should be fully and clearly stated in the manuscript.

### 3. PREPARATION

#### 3.1 Use of word processing software

Currently, only Microsoft Word files (97-03. doc format) are acceptable. When preparing the manuscript, use A4 paper, 12-point font size, 1.5 spacing, and single column. Keep the layout of the text clear and simple. **All figures and tables must be placed in the manuscript file.** Number all pages consecutively. All sections of the paper must be presented in a clear and concise manner.

#### 3.2 Arrangement for manuscripts

**Reviews.** Title, author names, affiliations, abstract, key words, address of the corresponding author, funding agencies (if any), introduction, body (with appropriate subheadings), conclusions and prospect, acknowledgments (optional), and references.

**Communications.** Title, author names, affiliations, abstract, key words, address of the corresponding author, funding agencies (if any), body (without subheadings), acknowledgments (optional), and references.

**Articles.** Title, author names, affiliations, abstract, key words, address of the corresponding author, funding agencies (if any), introduction, experimental, results and

discussion (with appropriate subheadings), conclusions (in a short conclusions section), nomenclature (optional), acknowledgments (optional), and references.

**Research Note.** Title, author names, corresponding author name, address of the corresponding author, Tel and Fax number, E-mail address, funding agencies (if any), body (without subheadings), and references.

### 3.3 Article structure

Authors should complete manuscripts using **this template** and upload to the submission system.

For more detailed instructions please visit the **LINK**.

### 3.4 Submission

**All manuscripts must be submitted online.** Via the journal website, you will be guided step by step through forming and uploading of different files. The manuscript handling system automatically converts the source files to PDF and HTML versions, which are used for the peer-review process. Please do note that these source files are needed for further processing after the manuscript acceptance. **All correspondence, including notification of the Editor's decision and requests for revision, takes place by e-mail and via the author's homepage, removing the need for a hard-copy paper trail.**

**In response to the request for revision** from the Editor, **authors must also submit all revisions and final, accepted manuscripts via the journal website.** Any Supporting Information should also be submitted electronically. The authors must inform the Editor of manuscripts submitted, soon to be submitted, or in press in other journals that have a bearing on the manuscript being submitted to *Journal of Electrochemistry*. If the manuscript is a revised/extended version of a manuscript previously rejected by *Journal of Electrochemistry*, the author must inform the Editor about the previous submission in the cover letter and explain in detail what changes have been made. This will help in the review process. In particular, authors should reveal all sources of funding for the work presented in the manuscript and should declare any conflict of interest.

If the manuscript contains references to unpublished works, copies of these manuscripts should be provided to aid the review process.

If figures and tables in the manuscript are taken directly from other copyrighted works, the author must supply the written permission from the copyright owners and credit the source in the manuscript.

A submitted Communication must include a brief statement from the authors explaining the papers significance and why it deserves rapid publication. An abstract should be included for use in reviewing.

**For all manuscripts, there are no manuscript submission fees or page charges.** No fee is required for papers published.

**Referees.** Please submit, with the manuscript, the names, addresses and e-mail addresses of at least 3 potential international referees. Note that the editor decides whether or not the suggested reviewers are used.

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### **3.5 Editorial review**

All editorial correspondence concerning receipt, review, revision, editing, proofs, and publication of a manuscript will be sent to only the corresponding author by e-mail and via the author's homepage. All correspondence concerning the manuscript must include the manuscript number in the "Subject" line of the e-mail message.

#### **Peer review**

All submitted manuscripts are reviewed initially by the Editor and/or Associate Editors. Manuscripts that lack novelty or new insights and do not meet the general criteria for publication in this journal will be rejected without external peer review. In such instances, these decisions will be sent as quickly as possible so as not to delay publication elsewhere. For other manuscripts, the Editors and Associate Editors will

invite two or more referees who are active in the field to review the manuscript. The reviewers act only in an advisory capacity, and the final decision is the responsibility of the Editors and Associate Editors. The reviewers are asked to comment not only on the scientific content but also on the manuscript's suitability for *Journal of Electrochemistry*. All reviews are anonymous. Peer reviewer identities are kept confidential, but author identities are made known to the reviewers. In general, reviewers return comments in 28 days. The comments will be sent to the authors regardless of whether the manuscript is accepted or not.

### **Revised manuscripts**

After the peer review, if a revision is requested for a potentially acceptable manuscript, the authors should upload the revised manuscript via the Journal website as soon as possible. The revision deadlines for Reviews, Articles are as follows.

Minor revisions: 14 days

Major revisions: 21 days

Reject and resubmit: 90 days

Owing to their shorter format and higher degree of imperativeness, the revision deadlines for Communications and Research Note are as follows:

Minor revisions: 10 days

Major revisions: 15 days

Reject and resubmit: 45 days

If a revised manuscript is returned late and after a period that exceeds the average publication time, the manuscript will be given a new queue date for publication. Revised papers should be accompanied by a point-by-point response to all the comments made by the reviewers. All revised contents in the manuscript should be underlined to facilitate further review. Revised manuscripts are sometimes sent back to the original reviewers, who are asked to comment on the revisions. If only minor revisions are involved, the Editor will examine the revised manuscript in light of the recommendations of the reviewers without seeking further opinions. The final decision to accept or reject a paper will be made by the Editorial Board and the Editorial Office.

## 4. AFTER ACCEPTANCE

### 4.1 Editing and proofs

Accepted papers are copy-edited and language polished with a view to clarity, brevity, and consistency before publication to conform to the journal style and to meet space limitations. Page proofs in PDF format which can be annotated are sent by e-mail to the corresponding author, who is to check it for typesetting and editing errors.

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