



Instructions for Authors Submitting Papers to *Electrochemistry*

Editorial Board Members of *Electrochemistry*, ECSJ

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ABSTRACT

This document is a manual that contains detailed information necessary for those who intend to submit manuscripts to *Electrochemistry* published by the Electrochemistry Society of Japan (ECSJ). It includes a submission guide, as well as guidelines, formats, and explanations related to the publication of *Electrochemistry*. Please note that this document conforms to the post-publication layout of the journal *Electrochemistry* in Japanese; therefore, Authors may consult this document as a layout reference.

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1. About *Electrochemistry*

- ***Electrochemistry* is the official journal of the Electrochemical Society of Japan (ECSJ) first published in July 1933.**
- ***Electrochemistry* is a bimonthly journal that publishes six issues per year on the 5th day of each odd month.**
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Electrochemistry has been the official journal of the Electrochemical Society of Japan (ECSJ) since 1999. *Electrochemistry* succeeds the journal *Denki Kagaku* (電気化学 (1933-1961): The Japanese word for ‘Electrochemistry’)¹, which was first published in 1933 with the aim of contributing to science and industry by publishing significant research in electrochemistry. Presently, *Electrochemistry* is published bimonthly on the 5th day of every odd month as a fully online open-access journal since 2018, when *Electrochemistry* was published independently after dividing the society bulletin "Denki Kagaku (電気化学)"². *Electrochemistry* is devoted to publishing content related to the following:

- Electrochemistry in general
- Industrial physical chemistry related to electrochemistry
- Materials chemistry related to electrochemical applications

This journal publishes articles and reviews written in English or Japanese by researchers and engineers, both members and non-members of the ECSJ, who actively pursue research in the abovementioned fields.

As the title of the predecessor journal *Denki Kagaku oyobi*

Kogyo Butsuri Kagaku (電気化学および工業物理化学 (1961–1998)³: Japanese translation of *Electrochemistry and Industrial Physical Chemistry*) implies, the contents of manuscripts are not obligated to include phenomena directly related to electrochemistry. Nonetheless, as the main readership of this journal comprises researchers interested in electrochemistry, the contents of the work must include an explanation of how the study is associated with advancements in electrochemical science or technological progress in electrochemical engineering.

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Manuscripts published in *Electrochemistry* will be officially available online via J-STAGE,⁷ an electronic journal platform for science and technology information in Japan, operated by the Japan Science and Technology Agency (JST).

<https://www.jstage.jst.go.jp/browse/electrochemistry/>

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The bibliographic contents of the manuscript will be registered in databases such as Web of Science,¹⁴ SCOPUS,¹⁵ and CiNii¹⁶, allowing facile literature search.

The International Standard Serial Numbers (ISSN)^{17,18} for *Electrochemistry* are as follows:

Online ISSN: 2186-2451

Print ISSN: 1344-3542 (issued until 2017)

ISSN-L: 1344-3542

3. Ethical Policy

Authors submitting manuscripts to *Electrochemistry* are expected to comply with the Ethical Policy of ECSJ,¹⁹

Column 1 Ethical Policy for Submissions to *Electrochemistry*.

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5. Types of Manuscripts

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5.1 Article

An Article describes results or conclusions based on scientific facts that have significant novelty and originality. This is the most common classification for manuscripts submitted for *Electrochemistry*. The typical structure of an Article consists of an abstract, followed by the main contents of the manuscript. The main contents will typically consist of Introduction, Experimental, Results and Discussion, and Conclusion sections. The submission of an Abstract Graphic, which is a conceptual description of the major insight of the article, is highly recommended. There is no page limitation for an Article, but it is recommended that Articles are written in a concise manner so that the reader can easily understand the main findings of the study. Supporting Information (SI) can be used for that purpose.

5.2 Communication

Communications are limited to manuscripts that require urgent publication. In addition to the need for urgency, a Communication should comprise significant new facts, valuable data, and methods with novelty and originality. A Communication should describe impactful research wherein dissemination prior to a full study will substantially benefit the advancement of electrochemistry and applied physical chemistry. The typical structure of a Communication will consist of an abstract, followed by the main contents of the manuscript. The main content does not have to be separated into sections such as the Introduction, Experimental, Results and Discussion, and Conclusion sections. The submission of an Abstract Graphic, which is a conceptual description of the major insight of Communication, is highly recommended.

There is no page limitation for Communications; however, text, figures, and tables should be restricted to the main findings of the study, and authors should concisely describe the high impact of the research and specify why rapid publication is desirable for the field. The use of Supporting Information (SI) is encouraged to include details of experimental data or supplementary material provided the material is pertinent to and supports the work to which it relates, but is not essential for comprehension of the main body of the work.

5.3 Note

Notes illustrate invaluable new data, methods, etc. based on empirical facts, and include content that leads to progress in scientific understanding or technological advancement. As long as these criteria are fulfilled, a Note does not necessarily have to demonstrate a clear logical discussion of the corresponding results. There are no page limitations for a Note. The composition of a Note should follow that of an Article or

Communication, but does not have to rigidly follow the same rules. The rationality of the experimental methodology and validity of the results is considered imperative for a Note. The submission of an Abstract Graphic, which is a conceptual description of the major insight of the Note, is highly recommended.

5.4 Comprehensive paper

A Comprehensive paper reports new insights or draws new conclusions from the treatment of previously reported data, mainly from the authors' previous studies. A Comprehensive paper is generally written upon invitation from the Editorial Board or a Branch/Committee of ECSJ, or as commemorative award articles, but papers without invitation are also welcome. There are no page limitations for a Comprehensive paper. As Comprehensive papers may contain reproduced material such as figures and schematics from past publications, it is the authors' responsibility to obtain the relevant rights for permission to use such materials. Comprehensive papers submitted on invitations are eligible for a reduction in the article processing charge (APC).

5.5 Review

A Review presents research trends in a certain field from the perspective of the current situation and discusses future prospects based on an extensive literature review. The submission of Reviews requires the recommendation of the Editorial Board or the Branch/Committee of ECSJ. There are no page limitations for a Review. As a Review may contain reproduced material such as figures and schematics from past publications, it is the authors' responsibility to obtain the relevant rights for permission to use such materials. Reviews submitted upon invitation are eligible for the reduction in the article processing charge (APC).

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5.7 Correction

Corrections are published when corrections or changes are

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5.7.1 Errata

Errata concern the correction of mistakes or errors introduced by the journal in the editing or production process, including errors of omission, such as failure to make factual proof corrections requested by authors within the deadline provided by the journal and within journal policy. The article processing charge (APC) is waived for Errata.

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Corrigenda are published when corrections or changes are required for papers published in *Electrochemistry* at the request of the author, and if the scientific accuracy or reproducibility of the original manuscript is compromised. The article processing charge (APC) is applicable to Corrigenda and must be paid by the authors.

5.7.3 Addenda

Addenda may be published if it contains significant additional information for the interpretation of the original published manuscript. An Addendum should not contradict the original publication, but if significant information available to the authors at the time of submission of the original manuscript was unintentionally omitted, this material will be published as an Addendum after assessment by the editor. The article processing charge (APC) will be applicable and must be paid by the author if the publication is permitted.

6. Format of Manuscripts

Please read the following notes regarding manuscript formatting carefully to minimize editing complications and expedite the editing process. Manuscripts that deviate significantly from the instructions described in this section may not be approved as a submission and will be returned to the author(s) without review.

6.1 What to prepare

The following items are necessary for submission to *Electrochemistry*.

- Cover letter (required)
The cover letter should clearly state the reasons for submitting the manuscript to *Electrochemistry* and include any essential information that the author(s) wish to inform the Editorial Board.
- Recommendation letter (mandatory for Review articles)
A letter of recommendation from the chair of the Committee should accompany the submission of a Review article with recommendations from the Branch/Committee of ECSJ.
- Checklist (required)
Download the author checklist provided in the URL below. Check all the points listed and submit the checklist along with the manuscript. Please ensure that the manuscript follows the formatting styles recommended by the journal. The checklist compiles formatting notes, layout styles, notations, etc., which are often overlooked.
https://journal.electrochem.jp/doc/checklist_en.docx
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https://journal.electrochem.jp/doc/profile_en.docx
- Manuscript file (required)
The manuscript file typically consists of the following contents in a single document.
 - (1) Front Page (Title, Authors' name with Membership of ECSJ, Affiliations, Contact information etc.)
 - (2) Abstract and keywords
 - (3) Main body
 - (4) References
 - (5) Figure captions
 - (6) Figures
 - (7) Tables

Please submit the following two editions of the revised manuscript to be submitted after being reviewed and peer-reviewed.

- (1) Manuscript highlighting the corrected parts pointed out during the judgement / peer review.
- (2) Manuscript without highlights or coloring for preparation of Advanced Online Publication.

- Supplementary material (optional)
Supplementary material (Supporting information or J-STAGE Data) is intended for publication in online editions and should be submitted as separate files. Supporting information should assist in a deeper understanding of the experimental methods and analytical techniques or provide supplemental data that would assist in further understanding of the main results.
- Other supplemental information
Supplementary material intended to aid reviewers in the evaluation of the manuscript (not intended to be published online) should be submitted as a separate file.

6.2 Format

The manuscript must be typewritten with double-spacing on A4 (or letter) size paper using 12 point Times and Symbol fonts with ample margins. Page numbers should be assigned to each page. Roman-type (Times New Roman, etc.) font is suggested.

6.3 Length of manuscripts

There are no page limitations for manuscripts. For the merit of readers, authors are suggested to make use of the Supporting Information and refrain from excessive redundancy. A Communication would typically be 3 pages long. Authors can make a rough estimate of the number of pages with the following equation:

$$p = (w/7 + l + 50)/120 \quad (1)$$

where p is the number of pages, w is the total word count, and l is the number of lines required for figures and tables. A typical figure comprises 15 lines.

6.4 Front page

6.4.1 Items listed on front page

The front page should consist of the title of the article, followed by the complete names of the authors with memberships of ECSJ, and the institutional affiliation(s) where the work was conducted, including the complete address(es) and ORCID as shown in **Column 4**.

The complete names of the authors should be written in the order of first name, middle name, or initial, and SURNAME, with an asterisk indicating the corresponding author. The surname name (family name) should be CAPITALIZED. Use

‘and’ before the last author in case of multiple authors. Corresponding author should be marked with an asterisk (*). Example) First Middle LAST* and First LAST

First LAST, First Middle LAST, and First LAST*

The institutional affiliation of the authors should include the full, non-abbreviated name and departmental or divisional information. Please provide the full address (including building name, street address, etc.), zip code, country, etc. If there are two or more affiliations, use letters (a, b, c...) for each affiliation.

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Column 4 Front page format.

Title of Manuscript for *Electrochemistry*

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^b Faculty of Engineering, ABC University, 1-2-3 Full Address, 123-4567 Japan

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Example) First LAST, ^a* First LAST, ^b and First LAST^c

2) Corresponding author (*)

Use an asterisk (*) to label the corresponding author and provide the e-mail address. When there are multiple corresponding authors, mark each author with an asterisk and provide the e-mail address for each corresponding author, distinguishing them by their initials. See the next section for how to represent authors that contributed equally.

Example1) *Corresponding Author: mail@address

Example2) *Corresponding Authors: mail@address, (A. B.), mail@address (Y. Z.)

3) Additional items (†, ††, †††)

Use daggers (†, ††, †††...) for additional information to be defined as a footnote on the Front Page. For example, if the author's present address or present affiliation is different from the address or affiliation where the study was conducted, then the author's present address or affiliation may be given as a footnote. If two authors contributed equally to a manuscript, this can also be marked as an additional item. Please refrain from using the double dagger symbol (‡) to designate footnotes.

4) Membership status (§, §§, §§§...)

ECSJ membership status should be shown with section symbols (§, §§, §§§...for different statuses). Currently, ECSJ has 5 levels of membership status.

- ECSJ Active Member (Individual Member and person who belongs Corporate Member)
- ECSJ Honorary Member
- ECSJ Fellow
- ECSJ Student Member
- ECSJ Senior Member

5) Open research & contributor ID (ORCID)

Authors with Open Research & Contributor ID (ORCID) should provide their ID. An ORCID icon will connect your ID with your professional information.

6.5 Abstract and keywords

The abstract should appear on a separate page following the front page. It should be written in the present tense and provide the main discussion of the article. Please ensure that it does not include sentences copied verbatim from the introduction or conclusion sections.

Provide 4 keywords after the abstract.

6.6 Abstract graphic (optional)

An Abstract Graphic that presents the main contents or key findings of the article may be submitted for use on the web-based online version and as part of the abstract in the printed and online articles. Abstract Graphics are aimed at quickly conveying the content of the article and visually capturing the interest of the reader. Please avoid partial extraction of figures or tables used in the manuscript.

An Abstract Graphic should be submitted as high-resolution graphics to ensure press-quality printing (**Column 5**). The abstract graphic will appear online in the table of contents of J-STAGE as a low-resolution graphic (**Column 5**). Please check the font size to make sure that the words are legible and that the graphics can be understood when the abstract graphic is reduced to the size shown in **Column 5**. The description provided in the ACS guide for graphical abstracts will be helpful to select the elements required for the conceptual diagram.²⁴

Column 5 Recommended resolution of Abstract Graphics for print and on-line versions.

Medium	Resolution/dpi	width×height /pixel	actual size /cm
on-line display	96	340×240	9×6.35
PDF and print	600	1417×1000	6×4.25

6.7 Main body

The main body of the manuscript is typically provided in the following order: 1. Introduction, 2. Experimental, 3. Results and discussion, 4. Conclusion(s): Depending on the structure of the manuscript, such as for a Communication, these structures may be reorganized. Acknowledgment(s) and References should follow the Conclusion.

6.8 Reference format

When describing the reference and note numbers in the text, indicate them in the appropriate places with the serial numbers of the Arabic superscript characters, such as ¹ or ^{2, 3, 4-6}. The numbers should follow punctuation marks when applied.

An example of a reference section is presented in **Column 6**. Journal abbreviation should follow ISO 4 standards²⁵ using databases such as Web of Science²⁶ or Chemical Abstracts Service Source Index (CASSI).²⁷ Do not use *ibid* when referring to the same journal. Usage of *etc.* for a reference with a long list of authors is not recommended. In the case that the authors choose to do so, the authors are advised to comply with the recommendation of the US National Library of Medicine (NLM) by listing the first six authors and using *et al.* for the

following authors.²⁸ The NLM presently recommends to lists all authors and avoid omitting authors.

Please use the below abbreviations when citing the predecessor journals of *Electrochemistry*.

Vol.1, No.1 – Vol.15, No.5-8(1933.7-1947.8)

*J. Electrochem. Assoc. Jpn.*¹

Column 6 Reference list format.

1. K. Ueno and M. Seo, *Denki Kagaku (presently Electrochemistry)*, **66**, 713 (1998).
2. K. Matsumoto, A. Matsuoka, and K. Nakagawa, *Denki Kagaku (presently Electrochemistry)*, **66**, 537 (1998). [in Japanese]
3. S. Abe, A. Fuchigami, and T. Nonaka, *Chem. Lett.*, **1033** (1984).
4. L. R. Faulkner, *Chem. Eng. News*, 1984, February 27, p.28.
5. R. W. Murray, *Acc. Chem. Res.*, **13**, 135 (1980).
6. J. Bard and L. R. Faulkner, *Electrochemical Methods, Fundamentals and Applications*, John Wiley and Sons, New York, NY, p.214 (1980).
7. S. Trasatti, *Comprehensive Treatise of Electrochemistry* (Eds. J. O' M. Bockris, B. E. Conway, and Y. Yeager), Vol. 1, Plenum Press, New York, NY, p. 44 (1980).
8. K. Izutsu, *Denkyoku-hanno no Kiso* (Ed. T. Osa), Kyoritsu Shuppan, Tokyo, Chap. 2 (1973). [in Japanese]
9. K. M. Mess, Ph. D. Thesis, University of Leiden, Leiden, The Netherlands (1969).
10. H. F. Lockwood, U. S. Patent, 3759835 (1965); *Chem. Abstr.*, **73**, 46241q (1970).
11. Y. Masuda and I. Uchida, *55th Annual Meeting of the Electrochemical Society of Japan*, Abstr., p.122 (1988). [in Japanese]
12. *Selected Values of Chemical Thermodynamic Properties, Circular of the National Bureau of Standards 500*, U. S. Government Printing Office, Washington, D. C. (1950).
13. L. Roe, AEC Report 66-170, Los Altos, CA, February (1964).
14. These compounds were analyzed by gas chromatography (column packing: Apiezon Grease L; temperature: 120°C).
15. J. Robinson, G. E. Thompson, and K. Shimizu, *Oxide Films on Metals and Alloys VII* (Eds. K. R. Hebert and G. E. Thompson), PV 94-25, p.1, The Electrochemical Society Proceedings Series, Pennington, NJ (1994).
16. <https://www.electrochem.jp/> referred on Dec 15, 2020.

Vol.15, No.9-12 – Vol. 29, No.5 (1947.12-1961.5)

*J. Electrochem. Soc. Jpn.*¹

Vol.29, No.6 – Vol.66, No.12 (1961.6-1998.12)

*Denki Kagaku (presently Electrochemistry)*³

Vol.67, No.1–

*Electrochemistry*²⁹

From 1958 to 1969, the ECSJ also published an all-English Journal, *Journal of The Electrochemical Society of Japan (Overseas Edition)*, along with *J. Electrochem. Soc. Jpn.* and *Denki Kagaku (presently Electrochemistry)*.

Vol.26, No.1-3–Vol.37, No.4 (1958.1-1969.12)

*J. Electrochem. Soc. Jpn.(Overseas. Ed)*³⁰

Since 2018, in addition to the journal *Electrochemistry*, ECSJ has published a Japanese journal *Denki Kagaku*² for members (also available for non-members by pay-for-view) since 2018.

6.9 Figure format

Figures should be placed at the end of the manuscript after the main body of manuscript and reference list, with one figure on each page. Please make sure that the order of figures and the captions are in accordance with the list of figures.

6.9.1 Figure captions

The description of the figure should be presented as a summary list before the figure. The description of the figure should not only complement the description in the text or only include headings, but should be such that the reader can understand the content of the figure just by reading this description. Please note that if multiple plots, lines, or figures are listed, the differences in experimental conditions should be clearly indicated for each so that the differences are clear.

6.9.2 Drawing

Color may be used for drawing. Use one page for each figure, 86-mm wide for a one-column format and 178-mm wide for a two-column format. Use a resolution of 600 dpi or higher, and font size larger than 9 points. Line widths for drawings should be at least 0.5 points (0.18 mm). Figures should be numbered in sequence (Figure 1, Figure 2,... or Scheme 1, Scheme 2...). The figure caption or the author's name should be given below the figure. Digital photographs and micrographs should be treated as figures. Scale bars should accompany micrographs with adequate line width and font size.

6.10 Table format

Tables should be placed at the end of the manuscript after the list of figure captions. Text for tables should be in black and the use of color should be avoided unless absolutely necessary. Use one page for each table, 86-mm wide for a one-column table and 178-mm wide for a two-column table. Tables should be numbered in sequence (Table 1, Table 2,...). The title of the Table should appear on the 1st line at the top of the Table.

6.11 Supplementary material

Authors who wish to provide supplementary material to further readers' deeper understanding of the experimental and analytical methods and the results presented in the paper may

submit the file as Supporting Information separately from the main text. In this case, the authors can choose to use either Supporting Information (SI) that is subordinate to the main text, or the data repository “J-STAGE Data” as an independent material. When the authors wish to submit your data on J-STAGE Data, it cannot be added on SI in order to avoid duplication of the same information.

6.11.1 Supporting information

Supporting Information (SI) typically is subordinate file to main contents and includes document or information such as large tables or data sets, additional figures, supplementary photo- and micrographs, movie files, audio clips, to assist in a deeper understanding of the experimental methods and analytical techniques or provide supplemental data that would assist in further understanding of the main results.

SI is intended for publication in online editions in J-STAGE and should be submitted as separate files, not as text included in the article file, along with the main manuscript. The SI should preferably be provided as a single PDF file, except for movie files and audio clips. As readers, as well as reviewers, must be able to easily access the SI, commonly used file formats such as jpg, gif, tiff, mpg, and mp4 are suggested, with a maximum file size of 50 MB.³¹

- 1) The front page of the SI should clearly state “Supporting Information” with the same information as the front page, including the name of the author(s), affiliation, and corresponding author information (see Section 6.4).
- 2) Information essential to the contents of the manuscript should be included in the main article, not SI.
- 3) Page numbers should be included in the Supporting Information file and formatted as “S1, S2, S3, etc” at the center of the bottom margin. Figures, tables, etc. should be numbered sequentially with S1, S2, S3... (Example: Fig. S1, Table S1, Scheme S1, Movie S1) and quoted in the main article as Fig. S1 of the Supporting Information, Movie S2 of the Supporting Information.
- 4) If the manuscript is accompanied by an SI file, a brief paragraph should be placed at the end of the manuscript before the acknowledgement (or the list of references). The appropriate format is as follows.
Supporting Information: Supporting Information is available on the website at DOI: xxxxxxxxxxxx.
- 5) SI may be revised during the review process, if necessary. Remove any revision history when uploading an MS Word file as an SI, since files will be uploaded as-is and will not be converted into pdf format.

6.11.2 J-STAGE Data

The data can be loaded onto the data repository “J-STAGE Data” released by JST. Unlike Supporting Information, J-STAGE data has an independent DOI (URL) and can be used not only as supplementary data for articles, but also for citation, sharing, secondary use, etc. under the conditions specified by the copyright holder, independent of the citation of the article under the following item type. Therefore, it is more effective to submit the data to J-STAGE Data, if the data presented in the paper is expected to be used separately, or if the authors are providing raw data to further improve the reliability of the experimental results, or submitting presentation materials/videos to facilitate understanding

- Figure file, which is a PDF file containing figures and supplementary explanations
- Dataset files consisting of aggregated raw data
- Media files consisting of video, audio, etc.
- Poster file consisting of the content of the paper
- Presentation file consisting of the contents of the paper
- Software files consisting of measurement and analysis software produced by the author(s) and its source code
-

If authors are sending data, they must submit the metadata for registration.

Please fill out the form of metadata for registration (Excel file format) at

https://journal.electrochem.jp/data/jstage_data_metadata.xlsx

and upload it using the data files. The instructions for the metadata file are provided in an Excel file. Although J-STAGE data has a specification wherein authors can register files by themselves, authors are requested to upload files through the Editorial Manager in order to register files as an integral part of the review and peer-review process in *Electrochemistry*. However, if certain files cannot be uploaded through the Editorial Manager, such as executable files (exe), please contact the editorial office.

When data are registered to J-STAGE data, data cannot be registered to the Supporting Information in order to avoid duplication of data. Please register the figures and tables in the appendix, together with other data in the J-STAGE Data.

6.12 Miscellaneous

Authors are suggested to refer to most recently published papers in *Electrochemistry* (papers published after Vol. 88 No. 2, issued in March 2020).³²

- 1) When using a subtitle, the subtitle should follow the main title with a period. If the article is part of a series of papers

with the same main title, add a consecutive number with Roman numerals for the main title and then continue with the subtitle. The authors are advised to refrain from using obvious or non-specific opening titles such as “Study on...” in the title of their manuscript.

- 2) The following systematic headline numbers may be used for the sections and subsections. E.g. 1, 1.1, 1.1.1, and so on.
- 3) Complicated mathematical formulas and chemical structural formulas may be embedded as figures.
- 4) When describing a chemical substance in the main text or captions in figures/tables, use the compound name in the case of the first appearance. The nomenclature of the chemicals should follow the IUPAC rules.³³
 - Red Book: Nomenclature of Inorganic Chemistry³⁴
 - Blue Book: Nomenclature of Organic Chemistry³⁵
 - Purple Book: Compendium of Polymer Terminology and Nomenclature³⁶
- 5) Terminology, symbols, units, and quantities should follow the IUPAC rules.³³
 - Green Book: Quantities, Units, and Symbols in Physical Chemistry³⁷
- 6) Metric units (SI) should be used for all quantities, except for the following units: For other units, the conversion to SI units should be described in the text. Minute (min), hour (h), day (day), and angle (° , ' , ") may be used.

angstrom: 1 Å = 10⁻¹⁰ m

ton: 1 t = 1 Mg = 10³ kg

liter: 1 L = 1 dm³ = 10⁻³ m³

atmosphere: 1 atm = 101325 Pa

torr: 1 Torr = 133.322 Pa

curie: 1 Ci = 3.7 × 10¹⁰ Bq = 3.7 × 10¹⁰ s⁻¹

kilowatt-hour: 1 kWh = 3.6 × 10⁶ J

poise: 1 P = 10⁻¹ Pa s = 10⁻¹ kg m⁻¹ s⁻¹

stokes: 1 St = 10⁻⁴ m² s⁻¹

electron-volt: 1 eV = 1.60218 × 10⁻¹⁹ J

- 7) The electrochemical potential, if SCE is used as standard, should be described as E = -0.24 V vs. SCE.
- 8) The “C rate” may be reported as 1C-rate, C/2-rate, etc. (C should not be in italics). Note that the C rate is an arbitrary expression and depends on the maximum capacity of the material. To avoid confusion from the unit C (coulombs) for charge, it is recommended to describe it as ‘1C-rate, C/10-rate’ instead of just ‘1 C’.
- 9) Mathematical expressions and chemical equations should be numbered in one consecutive series with parentheses. Fractional expressions in the text should be described as *a/b*

and $(a + b)/(c + d)$. Doubled superscripts and subscripts are to be avoided.

10) Please abide by the Checklist (see section 6.1).

7. Manuscript Submission

The submission of manuscripts to *Electrochemistry* is operated by the Aries Editorial Manager³⁸. Authors may submit their manuscript via the online submission system in the following URL:

<https://www.editorialmanager.com/electrochemistry/>

Information on the submission system may be found on the above website.

- 1) The manuscript file may be submitted in any format that can be converted into a PDF file from the uploaded file. However, for the convenience of editing, a Microsoft Word or Word-compatible file is preferred.
- 2) The automatically generated Portable Document Format (PDF) file³⁹ will be used for the review process. Please carefully check the contents of the file, especially the order and placement of the figures. Source files are needed for further processing after acceptance.
- 3) Be sure to supply a point-to-point response to specific reviewers and editor comments in the system when submitting a revised manuscript.
- 4) An additional manuscript that highlights the revisions should be submitted in addition to the non-highlighted manuscript to expedite the review process.

8. Prohibition of Plagiarism and Excessive Similarity

Manuscripts submitted to *Electrochemistry* will be screened using Crossref Similarity Check⁴⁰ powered by iThenticate⁴¹ for similarity to published materials.

9. Submission Charge

The submission of manuscripts to *Electrochemistry* is free of charge. However, authors must pay article-processing charges (see Section 11) for publication of manuscripts that have been accepted for publication after the peer-reviewing process.

10. Peer-reviewing Policy and Process

10.1 Peer-reviewing policy

Authors should refer to the guidelines for the peer-review process (**Column 7**), which describes the basic peer-review policy.

Column 7 Review policy for *Electrochemistry*.

1. The Editor-in-Chief or Deputy Editor-in-Chief entrusts the review of a submitted manuscript to the Associate Editor in charge.
2. The reviewer's identity will not be disclosed to the authors (Single-Blind Peer-Review). The Associate Editor in charge of the manuscript will designate at least two blind reviewers (peer reviewers). Potential reviewers will first be contacted by the Associate Editor in charge, inquiring about their willingness to act as a peer reviewer. Upon acceptance, the Associate Editor shall assemble the reviewers' comments and suggestions.
3. Peer reviewers shall provide a report after reviewing the manuscript to the Associate Editor in charge of the requested deadline. If the peer reviewer needs more time to review, they will contact the Associate Editor as soon as possible so as not to delay the reviewing process.
4. Based on the comments and suggestions from more than two reviewers, the Associate Editor will send a report to the Editor-in-Chief or Deputy Editor-in-Chief on whether the manuscript is acceptable for publication or not (acceptable as is, minor revision, major revision, not acceptable).
5. The Editor-in-Chief and/or Deputy Editor-in-Chief will decide on the acceptance/rejection of the manuscript and contact the authors of the decision.
6. In the case that the Editor-in-Chief and/or Deputy Editor-in-Chief decides that the submitted manuscript contains noteworthy contents of interest to the public and requires special rapid publication, the manuscript may be handled specially and may be accepted directly only by review of an Associate Editor.
7. Reviewers will be acknowledged as a 'list of reviewers' on a regular basis (yearly) in the journal or journal website, without disclosing the specific manuscript which the reviewer was in charge of.
8. The responsibilities of a Guest Editor for a Special Issue will be determined separately by the Editorial Board.

The review process is based on Single-Blind Peer-Review,⁴² where the authors are not given the identity of the reviewers.

An associate editor will be appointed to a submitted manuscript by the Editor-in-Chief or one of the Deputy Editors-in-Chief. More than two reviewers will be appointed by an associate editor. The authors may suggest potential reviewers and may also give the names of individuals whom the authors wish not to be appointed reviewers.⁴³

While the identity of the reviewers will not be disclosed to the authors, the names and affiliations of the authors will be revealed to the reviewers. Reviewers will be acknowledged as a 'list of reviewers' on a regular basis in the journal or journal website.

10.2 Editorial ethics and avoidance of conflicts of interest

It is the policy of *Electrochemistry* that the associate editor in charge will not be revealed to the authors. This policy was implemented to ensure that the review process is not influenced in any way by the individual managing the manuscript. If a member of the Editorial Board is one of the authors of a submitted manuscript, measures are taken so that the editorial member is indiscernible so as not to interfere with the peer review process and ensure equality of the peer review.

In order to ensure that the acceptance of submitted manuscripts is based solely on their academic value and concordance with the journal's aims and objectives, directors involved in the management of ECSJ (including the representative directors and executive directors) cannot serve as manuscript managers

Column 8 Standard days for reviewing and revision.

Type of Manuscript	1 st round review	1 st revision (Minor)	1 st revision (Major)	2 nd round review	2 nd and further round revisions (Minor)	2 nd and further round revisions (Major)
Article	10 weekdays (2 weeks)	10 weekdays (2 weeks)	20 weekdays (2 weeks)	5 weekdays (1 week)	5 weekdays (1 week)	10 weekdays (2 weeks)
Communication	5 weekdays (1 week)	5 weekdays (1 week)	10 weekdays (2 weeks)	5 weekdays (1 week)	5 weekdays (1 week)	10 weekdays (2 weeks)
Note	5 weekdays (1 week)	5 weekdays (1 week)	10 weekdays (2 weeks)	5 weekdays (1 week)	5 weekdays (1 week)	10 weekdays (2 weeks)
Comprehensive paper	10 weekdays (2 weeks)	10 weekdays (2 weeks)	20 weekdays (2 weeks)	5 weekdays (1 week)	5 weekdays (1 week)	10 weekdays (2 weeks)
Review	10 weekdays (2 weeks)	10 weekdays (2 weeks)	20 weekdays (2 weeks)	5 weekdays (1 week)	5 weekdays (1 week)	10 weekdays (2 weeks)
Notes	<p>* Minor and major revisions are not determined by the time necessary for revisions but on the significance of the revisions necessary. In general, problems that must be addressed (i.e. additional experiments) to make the paper publishable will be denoted as a major revision. Minor revision recommendation, on the other hand, would imply that the manuscript is close to publication, and the authors are suggested to respond to issues that would enhance the readability and quality of the manuscript (normally without the need for additional experiments).</p> <p>* An extension in the reviewing or revising process when more days than the standard number of days are necessary may be granted on request of the reviewer or author.</p>					

or reviewers, nor are they involved in decision-making processes such as peer-review or manuscript acceptance, as stipulated in Article 2.6 of Paper Submission Policy for *Electrochemistry*.

10.3 Standard number of days for peer-review and notification of acceptance

Electrochemistry values the fast reviewing and publication of manuscripts. The standard number of days required for the peer-review process and the period for revising the manuscript based on the reviewer comments varies according to the manuscript type and the degree of revision necessary (**Column 8**). Reviewers are requested to review manuscripts according to these standards. While these numbers are not strictly enforced, *Electrochemistry* has set these standards to aid reviewers in expediting the reviewing process. A “Certificate of Acceptance” (**Column 9**) will be promptly issued through the manuscript submission system for papers that have been accepted for publication based on the reviewing process.

ECSJ retains exclusive publication rights to the accepted manuscript after sending Certification of Acceptance, as described in 1(3) in Column 2, “Copyright Agreement with the Electrochemical Society of Japan for articles published in *Electrochemistry*”. In order to preserve this right, the manuscript and related materials shall be embargoed until the advanced online publication of the manuscript, and the contents of the manuscript may not be notified or disclosed to any third parties. The author(s) can prove the fact that the manuscript has been accepted by a certificate of acceptance from now on. In the unlikely event that an author intentionally withdraws the manuscript and submits it in whole, in part, or with alterations, to another journal, ECSJ reserves the right to publicly declare the fact of double submission and to claim that it has the exclusive right to publish the corresponding article.

11. Article Processing Charge and Discount / Waiver Procedure

11.1 Article processing charge (APC)

Electrochemistry is an open-access journal where the authors bear the costs of producing an accepted manuscript. Once a manuscript is accepted for publication, an article processing charge (APC) will be assessed and an invoice will be issued to the authors. The standard APC is 150,000 JPY (VAT included). The APC reflects the costs associated with peer-review, editing and typesetting processes. The APC claim of ECSJ takes effect at the acceptance of manuscript.

Column 9 Certificate of acceptance.



CERTIFICATE OF ACCEPTANCE

This Certificate, granted to

Author's name

and co-authors, if there, certifies the acceptance of the manuscript entitled
Title of Manuscript

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In

Electrochemistry

on yyyy-mm-dd hh:mm:ss (UTC-5)

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Name of Editor-in-Chief (Block)

Editor-in-Chief of *Electrochemistry*

The Electrochemical Society of Japan

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3-1-6, Nishikanda, Chiyoda-ku, Tokyo 101-0065

JAPAN

<<Notice>> APC Payment and Advanced Online Publications

The Editorial Board is pleased to announce that the manuscript submitted by the author(s) as described above has been accepted and that ECSJ has retained the exclusive publication rights for the content of the accepted manuscript. The author(s) will be embargoed on the manuscript and related materials until the early publication date, during which time the author(s) will be prohibited from notifying or publishing the manuscript to third parties. Authors can use this certificate to prove that their manuscript has been accepted for publication. In the event that an author intentionally withdraws this manuscript and submits it in whole, in part, or with alterations to another journal, ECSJ reserves the right to publicly declare the fact of double submission and to claim that it has the exclusive right to publish the corresponding article.

After sending Certificate of Acceptance, the secretariat office of The Electrochemical Society of Japan will immediately start the procedure for requesting the Article Processing Charge (APC) excepting the case of the APC waiver. A few days later, the Secretariat will send you an email with a credit card payment or a bank account invoice by Commerce Manager. Especially, in the case that all authors are non-members, Advanced Online Publication and typesetting processes for the accepted manuscript will be carried out after payment is confirmed. Please cooperate with prompt payment. If payment will be delayed, please contact the secretariat <ad.apc-e@electrochem.jp> with the reason for delaying as soon as possible. Your contact can be accepted in either English or Japanese.

11.2 Reduction and waiver of APC

APC for manuscripts authored or co-authored by ECSJ member(s) will be automatically reduced to 1/3 (50,000 yen). The other APC reductions and exemptions are applied to the following cases as tabulated in **Column 10**.

- Authors from developing countries, as defined by the ECSJ
- Domestic and foreign authors who do not have access to funds to cover fees
- Manuscripts on invitations by the ECSJ
- Manuscripts published in special issue papers planned by the ECSJ

APC reduction or exemption for Categories A, C, and D must be requested at the time of submission of the manuscript. Manuscripts of Category B are automatically waived by APC, and there is no need to request a waiver. Application for APC reduction or exemption will have no influence on the review process or the decision to accept the manuscript.

Column 10 Categories for reduction and exemption of Article Processing Charge (APC).

Categories		APC / JPY	Reduction (%)
Standard		150,000	
Reduction	Category A	75,000	50.0
	Category B (member)	50,000	66.7
	Category C	20,000	86.7
Exemption	Category D	0	100

(10% VAT included)

* No offprints will be printed.

* Amount of APC does not depend on a number of page.

Category A: Authors from developing countries as defined by ECSJ

Category B: Manuscripts (co-)authored by members of the ECSJ. Manuscripts published in special issue papers planned by the ECSJ. Request form not necessary (discount automatically applied)

Category C: ECSJ members or authors from developing countries with special recommendations from the Editor-in-Chief.

Category D: Manuscript on invitation from the ECSJ Authors from developing countries, as defined by the United Nations.^{44,45}

APC for Corrections (see Section 5.7) due to the author's liability (Corrigenda and Addenda) is 10,000 JPY (10% VAT included) regardless of category.

Note: A handling fee of 5,000 JPY (10% VAT included) must be paid if a new minor error is found after the author's proofreading and before the final manuscript is published, and the author reports the additional correction. (Please refer to 13.2 "Deadline for author's proofreading".)

11.3 Payment by Commerce Manager

The APC can be paid by the author's institution, funding source, or author. After a certificate of acceptance is issued, unless the authors are notified of a waiver, the payment process for APC will begin without delay. Authors will receive an invoice for credit card payments or bank transfers through the Commerce Manager, a companion solution for the Editorial Manager that enables the processing of fees.

The author who submitted the manuscript will receive an invoice e-mail which can be treated as a genuine copy such as that shown in **Column 11** from the Secretariat of ECSJ, showing a link to the Editorial Manager. The text of e-mail sent from the Secretariat of ECSJ shall be the original invoice. We do not issue or send invoices in any other form, such as printed forms or PDF files. In addition, since this invoice is for services related to the publication of the paper, no delivery note or quotation will be issued.

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If you wish to make a bank transfer, please inform the ECSJ secretariat (ad.apc-e@electrochem.jp) by e-mail and transfer the money to the bank account indicated on the invoice, including the case where you transfer the money from an account other than that of your organization or yourself.


It is therefore essential that the authors complete the APC payment as soon as possible for rapid processing of the accepted manuscript. If it is difficult to complete the payment procedure immediately, please contact the editorial office (email: ad.apc-e@electrochemistry.jp) explaining the reason for requesting a postponement.

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Thank you for submitting your article to *Electrochemistry*. Your submission has been accepted and you will be charged the Article Processing Charge (APC). Please be sure to refer to 11.3 and 11.4 of the Instructions for Authors for precautions and FAQs regarding this billing.

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11.4 Payment of APC

APCs for manuscripts to be published in *Electrochemistry* might be paid by the affiliation to which the author belongs on behalf of the author(s). Please refer to the following FAQ for answers to general inquiries about payment procedures.

- 1) Non-issuance of estimate and delivery note

Since *Electrochemistry* accepts submissions from both domestic and foreign authors, ECSJ standardizes the administrative procedures for accepted papers. Therefore, the paper submission procedure is based on e-mail, as is the case with many foreign journals. APC is not only for the electronic information of the published article, but also includes services related to the review and publication procedures leading to the publication of the article, and the publication of the article is assured when the Certificate of Acceptance is issued. The article processing charge (APC) for manuscripts published in *Electrochemistry* is charged before the manuscript is published. As no offprint of the accepted manuscript is issued, the payment will be treated as a service fee without the delivery of goods. Therefore, a quotation and a statement on delivery will not be issued. A Certificate of Acceptance with the manuscript submission number and the name of the main author will be issued upon acceptance of the manuscript. Please use this as a certificate of service receipt.

- 2) billing amount
As described in **Column 10**, APC and any charges are fixed in principle. Please refer to this page to confirm the billing amount.
- 3) Acceptance inspection after publication
If confirmation of the content of the publication is required as acceptance inspection, the electronic file (PDF) of the paper published on J-STAGE might be used. We do not issue reprints or send printed materials. Upon acceptance, the applicant must certify that both the early release file and the final version file are published files.
- 4) Others
In the unlikely case that your institute or imbursement source requests additional documents, please contact the editorial office (ed.apc-e@electrochem.jp) so that we can confirm the contents of the necessary documents. In such a case, please have the person in charge of accounting who handles the administrative procedures contacting the editorial office, not the author.

11.5 For Non-member Authors

As Editorial Board announced in the Instructions for Authors and the email of Certification of Acceptance, the processes of advanced online publication and proofreading of your manuscript will begin after confirming that you have paid the APC. So it is completely suspended now. We strongly recommend you to pay APC by credit card as soon as possible. If you make a bank transfer via the organization to which the authors belong, confirmation of receipt of APC will be very delayed, and also the publication process may be delayed significantly. If the author wishes for their manuscript to be published sooner, please send a copy of the payment slip or immediately send a proof of your intent to pay of the organization to which the authors belong. If it can be confirmed, the manuscript will be sent to the publisher. Please let us know at least your willingness to pay and your definite schedule. By convention, the editorial board has the authority to forcibly withdraw the publication of your accepted manuscript, if you do not contact us within two weeks after acceptance.

12. Advanced Online Publication (AOP)

Electrochemistry offers the early publication of just accepted papers, such as Advanced Online Publication (AOP). Early publication of accepted manuscripts will be carried out in the following order before the official publication.

- 1) Accepted manuscript version
Manuscripts accepted for publication after the peer-

reviewing process are immediately sent to the publisher. The authors will receive an APC simultaneously. The author's 'as-submitted manuscript' will be published on J-STAGE as an AOP after three business days after submission to the publisher. DOI will be assigned to the manuscript at this stage. Since the as-submitted version has not been proofread yet, a notice will be stated on the title page that the AOP may contain minor unedited text and parts that may need minor corrections.

- 2) Uncorrected proof version
The 'uncorrected proof version' will be released on J-STAGE approximately two weeks after it is accepted. The publisher will notify the authors of the web release of the uncorrected proof. The authors will receive the uncorrected proof and begin the proofreading process. Author proofreading (see **Chapter 13**) will be performed using this uncorrected proof version.
- 3) Corrected proof version
The corrected proof AOP is an early release version that reflects the results of author proofreading and will have the same layout as the officially published final release version. The authors should carefully check for any unprocessed errors in the corrected version of the proof.
The authors are responsible for returning the proofreading results by the specified deadline. If the authors do not return the proofreading results by the deadline, the non-proofread version will be published as the official final publication. In this case, please note that if you need to make corrections after the official version is published, you will need to resubmit the revised manuscript as Correction.

13. Author Proofreading

13.1 Purpose of author proofreading

Author proofreading is a publishing process for correcting errors that occur when the submitted manuscript is converted into a published version of the manuscript. Revisions should not involve changing the content of the manuscript. Therefore, revising the contents of the abstract, keywords, main text, as well as changes to the author's affiliation, Supporting Information, Abstract Graphics, etc., are not accepted except for printing errors and obvious grammatical mistakes. If the authors register their data on J-STAGE Data, the publisher requests the checking of the data during the author proofreading. Manuscripts that require major corrections will have to be re-evaluated; in some cases, they must be peer-reviewed again (accepted manuscript will be declined). Changes to the title of the manuscript, addition/deletion of authors, and changes in the

Purpose of Author Proof-reading

1. Author proofreading is a publication process that corrects mistakes that occur when the adopted manuscript is made into a published manuscript. Only necessary corrections and changes can be made to proofs during the publisher's processing procedure. Extensive changes will require editorial approval and, in some cases, a re-review process. Proofreading should not involve any changes in the scientific content of the manuscript. Author proofreading is a one-time process; therefore, please double-check the manuscript before the final submission.
2. Proofed documents should be returned within three business days of sending this request, and at least by the final deadline specified. If not returned within this timeframe, we will consider the manuscript to be the final draft with the responsibility of the publisher.
3. Changes to titles or authors (including changes in the order of authors, the addition of authors, removing authors, or any other revisions that would conflict with authorship) are strictly prohibited after acceptance of the manuscript (i.e., during the proofreading process). If such revisions are required, the manuscript will be rejected and will have to be re-reviewed.
4. Only printing errors or grammatical errors can be changed during the proofreading process. Changes to the contents of the Abstract, Keywords, main manuscript, author's affiliation, Supporting Information, or Graphical Abstract are not allowed. Manuscripts that require significant corrections will require a re-review.

Content of author proofreading

1. Use the 'Uncorrected Proof' (PDF) file provided as an Advanced Online Publication in J-Stage for author proofreading.
2. Changes to the Supporting Information should be done directly to the original file, and the new revised file should be sent to the publisher.
3. The page numbers of the PDF for author proofreading are temporary.
4. Any parts with missing information are expressed as "XXXXXXXXXXXX." Please add or edit the necessary information before publication.
5. Corrections can be made and sent in three ways.
 - 1) Using annotation tools to add comments to PDFs, fill in the correction position clearly. The PDF itself cannot be edited. Send the annotated file via e-mail.
 - 2) Sending a scanned image: Corrections should be made using red ink. Scan the document in color mode and send it as an attachment via e-mail.
 - 3) Sending by FAX: Please avoid facsimile transmission unless absolutely necessary, as images will be unclear, and the color information will be lost. Nevertheless, if facsimile is the only option, make sure the corrections are enlarged and easily readable. Therefore, a list of corrections is desirable. Please keep in mind that a margin of approximately 5 mm on the outer frame of A4 size paper will not be printed with the facsimile.

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 - 2) Distinction of typeface for Roman, **bold**, *italic*, and **bold italic**. Note that "physical quantities and variables" should be in *italics* and "super/subscript and unit notation" should be in "Roman Type".
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Check the citation order, ensure that all references are in numerical order and correspond with the references on the list.
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Check the spelling of all the authors. Use "and" in front of the last author. The typical style for a citation will be Author1, Author2, and Author3, *journal title*, **volume**, and starting page (year). If the citation is correct, the journal name, volume, and year are printed in blue with a direct link. Otherwise, the text is printed in black with no link and should be revised, if necessary.
8. After completing the corrections, the corrected file is sent to the following e-mail address: ed.apc-e@electrochem.jp.

Correction to the final published version after proofreading and publication

If any corrections attributable to the author(s) occur in the article or Supporting Information that has been published, including early publication, after proofreading, and if the Editorial Board determines that a correction is necessary or the author(s) wish to make a correction, the correction will be made by an "Additional revision" or an independent article "Correction" after approval by the Editorial Board of Electrochemistry. In case of "Correction", a new manuscript must be submitted from Editorial Manager. These revisions will be subject to the handling fee or publication fee as specified in **Column 10** in accordance with Article 4 of the Article Submission Policy. Please note that if the contents of corrections are judged to have serious ethical issues, the paper may be withdrawn or retracted instead of being corrected.

order of authors will be taken as serious revisions, and acceptance of the manuscript will be declined and must be re-evaluated.

Please refer to the "Guide to Author Proof-reading" (**Column 13**) which is distributed to authors at the time of proofreading, for details on author proofreading.

13.2 Proof-reading time frame

Author proofreading should be returned within 72 hours (three business days), and at the latest by the author proofreading the return deadline corresponding to the issue to be published as specified in **Column 14**. A proofreading check-sheet will be sent to the authors along with an uncorrected proof version. The authors are strongly encouraged to use a check-sheet. If the proofread results are not returned, the uncorrected proof will be used as the corrected proof version. If the author's proofreading is returned too close to the deadline to meet publication in the targeted issue, posting of the Corrected Proof may be postponed to the next issue.

In the unlikely event that a new error is found after the author proofreading before the publication of the final version, the author may request an additional correction for minor errors before publication. A handling fee of 5000 yen (including tax) must be paid for additional revisions.

In the case of corrections due to errors made by the author after publication, the author will be required to submit a new manuscript for correction. Please note that you will be charged APC for Correction.

Column 14 Terminal dates of corrected proofs and 'as-accepted manuscripts' for respective issues.

Issue	Publication date of printed issue	Deadline for Corrected Proof	Deadline for 'as-accepted manuscript' sent to the publisher by Editorial Board
1	Jan 5 th	Nov 25 th of previous year	Nov 10 th of previous year
2	Mar 3 rd	Feb 10 th	Jan 25 th
3	May 5 th	Mar 31 st	Mar 10 th
4	Jul 5 th	Jun 10 th	May 15 th
5	Sep 5 th	Jul 31 st	Jul 10 th
6	Nov 5 th	Oct 5 th	Sep 15 th

14. Issuing Printed Version

Corrected proof manuscripts will be checked by the Editor Board and will be published on the 5th day of every odd month.

Column 14 summarizes the terminal dates for the publication of the respective issues. For example, for a manuscript to be

published in issue 3, the 'accepted manuscript' must be sent to the publisher before March 10th, and the correct proof must be sent to the publisher before March 31st. The manuscript submitted to a special issue will be published in a scheduled special issue. In cases where the review and revision process takes time and the deadline for the special issue cannot be met, the accepted manuscript will be published in a subsequent normal issue. However, the header of the manuscript indicates that the manuscript was submitted to a special issue.

15. Registration to Institutional Repository

Manuscripts published in *Electrochemistry* after 2021 (volume 89) may be registered in the authors' institutional repository based on the following policy:

- Authors have the right to publish their papers in the institutional repository to which they belong.
- Pdf files of the below versions may be posted in the authors' institutional repository.
 - Author's manuscript
 - Uncorrected Proof
 - Corrected Proof
 - Published PDF file (Publisher version)
- There is no Embargo period; the authors may register and post their files once the manuscript is published in *Electrochemistry*.
- When posting your manuscript in an institutional repository, please be sure to cite the DOI of your manuscript and the original source.
- If posted in an institutional repository, the copyright belongs to the author. For the handling of co-authored papers by multiple institutions, please follow the agreement of each institutional repository. The ECSJ does not limit posting in multiple institutional repositories as long as the repository is that of the authors' institution.
- The policy for posting in institutional repositories will be posted in the Copyright Policy Database⁴⁶ of the Open Access Repository Promotion Association (JPCOAR). Our policy is also planned to be registered and posted on Sherpa Romeo's website⁴⁷

16. Withdrawal and Retraction

16.1 Withdrawal

Authors may voluntarily withdraw their submitted manuscript at any time before AOP for any reason attributable to the author, the Editorial Board, or a third party. When a manuscript is withdrawn, the author retains all copyright rights,

and ECSJ waives all rights.

If for any reason you wish to withdraw your manuscript, for example, when an error is discovered after submission, the manuscript may be withdrawn through the Editorial Manager. You do not need to contact the Editorial Board or the Editorial Office.

Even if the manuscript has been accepted for publication, the Editorial Board may withdraw your manuscript before AOP under certain circumstances. Below are some cases where manuscript handling will be canceled and forcefully withdrawn from the system.

- If the authors fail to respond to the reviewer's comments and submit their revised manuscript before the deadline, as specified by the Editorial Board.
- If the authors fail to pay the APC before the deadline, as specified by the Editorial Board or respond to reminders sent.

Please note that if the manuscript is withdrawn during the printing process owing to the author's inflicted reasons, the paid APC cannot be refunded under any circumstances.

16.2 Retraction

Retractions of published manuscripts (including Advanced Online Publication) may be considered in cases of evidence of unreliable data or findings, plagiarism, duplicate publication, and unethical research on request by the authors or by deliberation by the Editorial Board. However, the published manuscript cannot be withdrawn. Once a manuscript has been published, this fact cannot be invalidated even after retraction, and the original manuscript will not be deleted from the journal. A retracted article will be newly published, stating the reasons for the decision. The ECSJ will cover the publication fee for the retraction article regardless of the reason (ECSJ will own the copyright of the retraction article). Manuscript retraction will also be applied to the AOP. The ECSJ will not intervene with the handling of documents posted in institutional repositories or related sites of retracted manuscripts. Since the authors retain the copyrights to their manuscripts, it is the responsibility of the authors to handle documents posted in institutional repositories.

17. Remarks and Document History

This English version of Instructions of Authors is considered to be a translated version of the original Japanese version.⁴⁸ Take care that sections that are not so necessary for an English guide, such as how to write a Japanese manuscript (6.13 in Japanese version), are omitted. This document may be revised without notice due to changes in the regulations related to the

publication of *Electrochemistry*, changes in the process of manuscript submission and publication, and internal/external societal changes.

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