



the society for solid-state and
electrochemical science and technology

Journal of The Electrochemical Society

Instructions to Authors

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The *Journal of The Electrochemical Society* (*J. Electrochem. Soc.*) is the official journal of ECS. All manuscripts submitted are considered for publication, with the understanding that they have not been published or submitted for publication elsewhere.

Papers presented at ECS meetings and manuscripts published in *ECS Transactions* may be submitted to the *Journal*. Although there is no hard deadline for the submission of these papers, it is considered that six months from the date of the symposium is sufficient time to revise a paper to meet the stricter standards of the *Journal*.

1. Types of Papers—The *Journal* contains two technical sections.

Technical Papers: Technical papers describe fundamental or applied studies in depth. They contain new data and/or new interpretations of existing data. Papers are published in the areas of electrochemical science and technology, and solid-state science and technology. Technical papers will be divided into the following subsections:

- Batteries and Energy Storage
- Fuel Cells and Energy Conversion
- Corrosion, Passivation, and Anodic Films
- Electrochemical/Chemical Deposition and Etching
- Electrochemical Synthesis and Engineering
- Physical and Analytical Electrochemistry
- Dielectric Science and Materials
- Semiconductor Devices, Materials, and Processing
- Sensors and Displays: Principles, Materials, and Processing
- Nanostructured Materials, Carbon Nanotubes, and Fullerenes
- Interdisciplinary Topics

Review Papers: Review papers furnish critical analyses of topical subjects.

2. Submission of Papers—Manuscripts (in English) should be submitted using the online manuscript submission and peer review system Peer X-Press (PXP), available at

<http://jes.peerx-press.org>

A detailed set of author instructions, including an explanation of the full peer review process, is available on the site; requirements for manuscript submission include:

- Address, fax, and e-mail address of corresponding author.
- Text file of the paper (preferably as a Microsoft Word document).
- Recommendation of the most appropriate section (see list above).
- Recommendation of at least two persons to act as peer reviewers

Supplemental material files intended for publication in the online edition may be also be submitted.

3. Registering for an Account—Authors entering the system for the first time must first register for an account using the link listed in the lower left corner of the opening screen. New registrants must specify a main e-mail address (which will serve for all communication and as their login ID), and a password of their choosing (which allows for secure access to the author's account). Once this account is created, the author may access the system to track any manuscripts submitted for publication to determine their status, and to access papers for review.

4. Publication Charges—ECS does not assess page charges for the publication of papers in its journals. However, charges for color figures in the print editions must be paid.

5. Color—Color is available for figures and photographs. Color can be an effective tool in conveying complex graphs and photographs. Color is free in the online journal. Authors will be charged a fee for color in the printed journal. This is needed to cover the cost of color printing. The charge for printing in color in the *Journal* may be approximately \$300-\$450 per manuscript; the exact amount will be calculated at the time of print publication.

6. Presentation—Organization and clarity are essential elements of successful publications. Identify the subject matter in the title with words useful for indexing. State the purpose of the work early in the text. Present the work and the arguments in an order that leads naturally to clearly specified conclusions. Provide enough information for the work to be reproduced and the logic to be understood. Identify and justify any assumptions that are made. Define unusual technical terms and all abbreviations or acronyms at their first use. Once an acronym has been defined, use it in place of the full-length term. Where symbols are used extensively, list them with their definitions at the end of the paper. Edit and proofread the manuscript carefully before submission.

7. Manuscript Preparation—All manuscripts must be typewritten, double-spaced throughout, and must contain:

- concise title—no more than 15 words
- Abstract—limited to 200 words, on a separate page
- References—in the proper format, on a separate page
- Tables and figures—each on a separate page
- Figure captions on a separate page

LaTeX submissions are acceptable with the following conditions:

- a LaTeX submission must be a single .tex file
- figure files may be called in
- submission of .sty files or .bib files is not supported
- submission in Plain TeX or DVI format is not supported
- ECS does not provide any templates for LaTeX submissions

For figures that are taken from other sources, it is the author's responsibility to obtain permission from the original author and publisher to reproduce the material. Please supply the editorial office with a copy of the written permission.

The following specific items should be noted.

- SI units should be used whenever possible. The ACS Style Guide (2nd edition) can be used as a reference on grammar, units, and formatting.
- Mathematical equations should be written on a single line, if possible, using parentheses, brackets, negative exponents, and the like.

• References must be listed at the end of the paper in the order they are cited in the text. Use each author's first and middle initials and last name; do not use et al. in a reference. CAS abbreviations must be used. Citations of other than the generally available literature should be avoided if possible. For example:

Journals/Magazines

1. E. P. Able and A. T. Baker, *Electrochem. Solid-State Lett.*, **4**, A101 (2001).

Books by the Author(s) Referenced

1. E. P. Able and A. T. Baker, *Diamond Films*, p. 37, John Wiley & Sons, New York (1991).

Author(s) Referenced in an Edited Volume

1. E. P. Able and A. T. Baker, in *Electrosynthesis*, 2nd ed., J. Carter, Editor, p. 40, Wiley Interscience, New York (1991).

Author(s) Referenced from an ECS Transaction Volume

1. E. Gaura and R. M. Newman, *ECS Trans.*, **4**(1), 3 (2006).

Author(s) Referenced from an ECS Proceedings Volume

1. E. P. Able and A. T. Baker, in *Plasma Processing*, G.S. Mathad and D.W. Hess, Editors, PV 94-20, p. 123, The Electrochemical Society Proceedings Series, Pennington, NJ (1994).

• Drawings and graphs will ordinarily be reduced to column width (3 1/4 in. or 8.2 cm) and after such reduction should have lettering, of letter-grade quality, at least 1/16 in. (1.6 mm) high. When several curves are shown, each should be lettered and identified in the caption. When a figure contains a number of parts, for example several micrographs or graphs, use a lowercase letter ("a", "b", etc.) in the body of each part, and use the letter in the figure caption to identify each part.

8. Discussion Section—Comments or discussion on any paper published in the *Journal* may be submitted to the editorial office. Relevant comments will be published in a later issue.