

Guide for Authors

Chinese Journal of Catalysis is published monthly by Dalian Institute of Chemical Physics, Chinese Academy of Sciences, and the Chinese Chemical Society. The main objective of the journal is to promote scientific exchanges between catalytic researchers in China and other countries. Communications, articles, and reviews are published in both Chinese and English for their scientific contributions to the basic and practical aspects of heterogeneous and homogeneous catalysis.

The journal is now abstracted and indexed by many databases, including Chemical Abstracts (USA), Science Citation Index-Expanded (USA), Chemistry Citation Index (USA), Current Contents/Engineering, Computing and Technology (USA), Catalysts and Catalysed Reactions (UK), Methods in Organic Synthesis (UK), Natural Product Updates (UK), Cambridge Scientific Abstracts (USA), Japan Information Center of Science and Technology (Japan), Abstract Journals (Russia), and most of the important indexing systems in China.

The journal was awarded the First Class Prize for Excellent Periodicals of the Chinese Academy of Sciences in 2001 and the Second Class Prize in the National Journal Awards in 2005. In recent years, the journal has consistently been ranked in the top ten Chinese chemical journals as measured by the impact factor and total citations.

1. Journal scope

The scope of *Chinese Journal of Catalysis* includes the following:

- ♦ New trends in heterogeneous and homogeneous catalysis in relation to energy, environment, petroleum chemicals and fine chemicals;
- ♦ Scientific bases for the preparation and activation of catalysts of commercial interest or that are representative models;
- ♦ Scientific methods for the characterization of heterogeneous catalysts, especially methods for in situ characterization;
- ♦ New heterogeneous and homogeneous catalytic reactions of potential practical interest in environment, energy, and fine chemicals applications;
- ♦ Relationship between homogeneous and heterogeneous catalysis;
- ♦ Theoretical studies on the structure and reactivity of catalysts;
- ♦ The journal also accepts contributions dealing with other issues related to catalysis, such as photo-catalysis, bio-catalysis, surface science and chemical kinetics.

2. Types of contributions

Communications rapidly report studies with significant innovation and major academic value. They are limited to three Journal pages. After publication, their full-text papers can also be submitted to this or other journals.

Articles are original full-text reports on innovative, systematic and complete results in catalysis. The total length should not exceed ten Journal pages.

Reviews are surveys of recent progress on important topics of catalysis, with entire, systematic, and impor-

tant information. Authors should have published articles in the field. A maximum of 60 references is suggested.

3. Submission of manuscripts

Submission of a manuscript implies that the paper has not been published previously 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.

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 paper's significance and why it deserves rapid publication. An abstract should be included for use in reviewing.

For manuscripts from outside China, there are no manuscript submission fees and page charges. No fee is paid for papers published.

All types of manuscripts from outside China should be sent to the Editorial Office by e-mail and internet.

Editorial Office of *Chinese Journal of Catalysis*

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4. Editorial review and publication

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. All correspondence concerning the manuscript must include the manuscript number in the "Subject" line of the e-mail message.

Editorial and peer review. All submitted manuscripts are reviewed initially by the editor. Manuscripts that do not meet the general criteria for publication in this journal will be rejected without detailed review. Other manuscripts are sent to two or three researchers in catalysis for peer review. Peer reviewer identities are kept confidential, but author identities are made known to the reviewers. In general, reviewers return comments in one or two months. All the reviewers' 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 return the revised manuscript by e-mail within 2-4 weeks. 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 all the reviewers. All revised con-

Guide for Authors

tents in the manuscript should be underlined to facilitate further review. The final decision to accept or reject a paper will be made by the Editorial Board and the Editorial Office.

Editing and proofs. Accepted papers are copy-edited before publication to conform to the journal style and to meet space limitations. Page proofs in PDF format are sent by e-mail to the corresponding author, who is to check it for typesetting and editing errors. The corrections should be returned as soon as possible (within two days).

Copyright. A copyright transfer form is sent to the corresponding author with the proof. It should be completed and returned to the Editorial Office by fax or mail as soon as possible.

Offprints. Ten offprints with black and white covers and one copy of the issue in which the paper appears are provided free of charge.

5. Preparation of manuscripts

Manuscripts must be written in good English. Currently, only Microsoft Word files 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.

The preferred arrangement for manuscripts is as follows:

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

Articles. Title, author names, affiliations, footnote (address of the corresponding author and funding agencies, if any), abstract, key words, introduction, experimental, results and discussion (with appropriate subheadings), conclusions (in one paragraph), nomenclature (optional), acknowledgements (optional), and references.

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

Title. Titles should clearly and concisely reflect the emphasis and content of the paper. Avoid series number, abbreviations, and formula where possible.

Author names and affiliations. Use all capital letters for the family names of the authors to avoid ambiguity (e.g., John R. SMITH). Give full names, complete postal addresses, and the country names of authors? affiliations below the authors? names. Indicate all affiliations with a superscript number immediately after the author's name and in front of the appropriate address.

Corresponding author. List the name of the corresponding author followed by a telephone number, fax number, and e-mail address in the footnote on the manuscript title page. The corresponding author is responsible for handling correspondence at all stages of evaluation and publication, and also post-publication.

Funding agencies. Include the source of financial support in the footnote on the title page of the manuscript, beginning with "Supported by". This should not be placed in the Acknowledgments.

Abstract. A concise, factual, and detailed abstract of 200-300 words is required for all manuscripts. This should state the research purpose, main methods, principal results, and major conclusions. Important experimental data such as catalyst activity should be presented if necessary. Avoid the use of abbreviations in abstracts. All abstracts (except in Communications) will appear in the printed edition of the journal accompanied by their Chinese translation.

Key words. Following the abstract, list three to eight key words that best describe the nature of the research, avoiding plural terms, abbreviations, and molecular formula. The first letter of each key word is not capitalized. Separate the key words by semicolons. These key words will be used for indexing purposes.

Introduction. The introduction (untitled) states the background of the study, its relation to previous work in the field, the questions to be answered, and the methods adopted, to allow a reader to understand and evaluate the results of the present work. Relevant previous work by the same authors should be referenced. Avoid a detailed literature survey or a summary of the results.

Experimental. Provide sufficient detail to enable others to repeat the experiments. Methods already published should be indicated by a reference, but new and modified experimental procedures should be described in detail. Give the compositions of catalysts clearly.

Results and discussion. The results should be given clearly and concisely, and the discussion should explore the significance of the results of the work. Give results in a logical sequence in the text, tables, and illustrations. Do not repeat in the text all the data in the tables or illustrations.

Figures and tables. All figures and tables must be referenced in the text and placed in the text near the point of the first mention. Number them consecutively with Arabic numerals. The captions should be understandable without reference to the text. The same data should not be presented in more than one figure or in both a figure and a table. Tables should be created using the table format feature of the MS Word software, and authors should ensure that each data entry is in its own table cell. Schemes are illustrations of chemical structures and reactions, and should be numbered with Arabic numerals in consecutive order. In the initial manuscript submission, the figures and tables must be of sufficient quality for peer review. If the manuscript is accepted, all figures and tables, and their titles and legends will be re-created or edited according to the Journal style prior to publication. Authors will be asked to provide proper figures (including experimental data) by the production staff. For printing, the minimum resolution for a black and white line art, grayscale art, and color art is 1200, 600, and 300 dpi, respectively.

Units of measurements, symbols and abbreviations. All measurements should be expressed in the international system of units (SI). Other quantities should be converted into SI units. Italicize symbols of physical quantities, but not their units. Temperature units should

Guide for Authors

be presented as either °C or K in the same paper. Leave a single space between the number and the unit of a value. Each abbreviation must be defined the first time it is used in the abstract and again in the body of the manuscript.

Conclusion. For Articles and Reviews, a conclusion that briefly summarizes the principal conclusions of the work is necessary. The conclusion is an extension of the results and discussion, but not a simple repetition. It is also different from the abstract. No more than one paragraph is recommended.

Nomenclature. When a large number of field-specific terms are used in the manuscript, list their definitions in this section.

Acknowledgments. Technical assistance, material support, and other help or advice may be acknowledged briefly in this section (excluding financial support, which should appear in the footnote on the title page).

References. Number references in the order they appear in the text. Ensure that each reference cited in the text is present in the reference list (and vice versa). Numerals for the references in the text are given in square brackets []. Each reference should be separately

numerically numbered, without the use of alphabetical suffixes. Personal communications, unpublished materials, and works that have not yet been accepted for publication are not recommended as references. In the reference list, periodicals [1], books [2], multi-author books with editors [3], and patents [4] should be cited in accordance with the following examples:

[1] Marchionna M, Basin L, Aragon A, Roth J A. *J Mol Catal*, 1992, **75** (2): 147

[2] Selwood P W. *Chemisorption and Magnetization*. 2nd Ed. New York: Academic Press, 1975. 26

[3] Inui T, Yamase O, Fukuda K. In: Jansen J C ed. *Proceedings of the 8th International Congress on Catalysis, Vol III*. Berlin: Berlag Chemie, 1984. 569

[4] Frevel L K, Mich M. US 3 657 310. 1972

Authors' and editors' names are given as surname followed by initials. List the names of all authors; "et al." should not be used. Abbreviations for the journal titles follow the system used by Chemical Abstracts. Each reference should be complete in itself. Journal titles are in italics. Volume numbers are bold. Issue numbers should not be omitted. Omit periods in all abbreviations.