

## Guide for authors

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### Aims and scope

The general objective of the *Journal of Molecular Catalysis A: Chemical* is to publish scientific contributions examining the molecular and atomic aspects of catalytic activation and reaction mechanisms in:

- *Organometallic and biomimetic catalysis*
- *Ionic catalysis by acids, bases, and metal ions*
- *Molecular aspects of heterogeneous catalysis*

Typical topics for which manuscripts are invited, are:

- *New trends in homogeneous and heterogeneous catalysis, in relation to environment, energy, and fine chemicals (organic and asymmetric synthesis, oxidation, C–H and C–C bond activation and functionalization, polymerisation, energy-assisted catalysis (photocatalysis, electrocatalysis))*
- *Molecular engineering of porous and non-porous solids*
- *Molecular design of active sites, homogeneous and heterogeneous*
- *Molecular models and approaches to oxides, metals, zeolites, and mesoporous materials used as catalysts*
- *Molecular description and approaches to catalysis on clean surfaces*
- *Experimental and/or theoretical studies of elementary steps governing homogeneous and heterogeneous catalysis reactions*
- *Relationship between homogeneous and heterogeneous catalysis*
- *New reaction media (ionic liquids, supercritical solvents) for homogeneous and heterogeneous catalysis when these media influence the reaction path*
- *Combinatorial methods for homogeneous and heterogeneous catalysis (molecular design of ligand libraries, new generic molecular approaches to the functionalization of surfaces)*

Particularly welcome are manuscripts describing or discussing novel molecular concepts in line with the above-mentioned topics when they address issues or challenges related to energy, environment and sustainable chemistry problems.

Since the scopes of the Elsevier journals *Journal of Molecular Catalysis A: Chemical*, *Journal of Molecular Catalysis B: Enzymatic*, *Applied Catalysis A: General*, *Applied Catalysis B: Environmental*, and *Catalysis Communications* are complementary, an appropriate submission to each journal could be borderline, in which case the advice of another Editor will be sought, possibly redirecting the submission to either *Journal of Molecular Catalysis B: Enzymatic*, *Applied Catalysis A: General*, *Applied Catalysis B: Environmental*, or *Catalysis Communications* (for letters) with the author(s).

### General

There are two types of contributions:

- 1) *Full-length*, or regular papers describing original research work not previously published.
- 2) *Reviews* of specialized topics within the scope of the Journal (prospective authors should obtain preliminary approval from an Editor before preparing such an article).

It is essential to give a fax number and e-mail address when submitting a manuscript. Articles must be written in good English.

Submission of an article implies that the work described has not been published previously (except in the form of an abstract or as part of a published lecture or academic thesis), that it is not under consideration for publication elsewhere, that its publication is approved by all Authors and tacitly or explicitly by the responsible authorities where the work was carried out, and that, if accepted, it will not be published elsewhere in the same form, in English or in any other language, without the written consent of the Publisher.

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Should Authors be requested by the Editor to revise the text, the revised version should be submitted within 2 months. After this period, the article will be regarded as a new submission.

### Manuscript submission

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Please submit, with the manuscript, a graphical abstract and the names and contact details of three potential Referees. Manuscripts may be submitted to the Editor in Chief or one of the appropriate Editors. During the online submission process, authors are requested to indicate the handling editor.

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Editors

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- **Prof. T. Tatsumi**, Yokohama, Japan.

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- **Prof. F. Zaera**, Riverside, CA, USA.

**NB:** The editors can forward manuscripts to any of the other handling editors if they deem appropriate.

### Electronic format requirements for accepted articles

We accept most word processing formats, but Word, WordPerfect or LaTeX is preferred. Save your files using the default

extension of the program used. No changes to the accepted version are permissible without the explicit approval of the Editor.

It is important that the file be saved in the native format of the wordprocessor used. The text should be in single-column format, one and half or double line spacing (for review purposes). Keep the layout of the text as simple as possible. Most formatting codes will be removed and replaced on processing the article. In particular, do not use the wordprocessor's options to justify text or to hyphenate words. However, do use bold face, italics, subscripts, superscripts etc. When preparing tables, if you are using a table grid, use only one grid for each individual table and not a grid for each row. If no grid is used, use tabs, not spaces, to align columns. The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also the Author Gateway's Quickguide: <http://authors.elsevier.com>). See also the section on Preparation of electronic illustrations. To avoid unnecessary errors you are strongly advised to use the "spellchecker" and "grammar checker" functions of your wordprocessor.

### Preparation of text

#### Presentation of manuscript

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Provide the following data on the title page (in the order given):

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**Subdivision of the article:** Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, . . .), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to “the text.” Any subsection may be given a brief heading. Each heading should appear on its own separate line.

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

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

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Examples:

Reference to a journal publication:

[1] J. van der Geer, J.A.J. Hanraads, R.A. Lupton, J. Sci. Commun. 163 (2000) 51–59.

Reference to a book:

[2] W. Strunk Jr., E.B. White, *The Elements of Style*, third ed., Macmillan, New York, 1979.

Reference to a chapter in an edited book:

[3] G.R. Mettam, L.B. Adams, in: B.S. Jones, R.Z. Smith (Eds.), *Introduction to the Electronic Age*, E-Publishing, Inc. New York, 1994, pp. 281–304.

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