

Instructions for Authors of Articles for *Chemical Reviews*

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I. General Statement

Articles for *Chemical Reviews* should be comprehensive, authoritative, critical, and readable reviews of recent research in chemistry. Preference will be given to creative reviews on timely topics and those likely to promote additional research. The topic should not have been reviewed in a readily available publication medium for about five years, though exceptions may be made if justified. The scope of the subject area and the time period should be clearly defined in the introduction. The author's own work in the field should not be singled out for special emphasis, and all contributors to the subject are to be treated on equal footing when selecting material for in-depth discussion.

The presentation should not be elementary; it should be addressed to readers who are competently trained in fundamentals but do not have extensive knowledge of the specialized topic. *All articles must be comprehensive in the treatment of their subject matter, as defined in an introductory paragraph.*

II. Preliminary Approval of Articles

Articles for *Chemical Reviews* are prepared in one of two ways: (a) the Editor solicits suggestions from the Editorial Advisory Board and extends invitations to authors; (b) potential authors contact the Editor.

In case a, the author is assured that the manuscript, if prepared in accord with the guidelines, will be accepted for publication subject to changes that result from the peer-review process.

In case b, authors are requested to send the Editor (1) a two- or three-page detailed topical outline; (2) a list of previous reviews of the subject, including books or book chapters; (3) an estimate of the number of references; (4) an estimate of the number of double-spaced typewritten pages; (5) a tentative submittal date. This material will be examined by the Editor and expert reviewers, who are given the following guidelines: "Proposals for *Chemical Reviews* should be comprehensive, authoritative, critical, readable, and timely. Reviews may cover mature or emerging areas of research, but not inactive areas. The author should be a recognized expert in the field, or should be otherwise qualified to write an authoritative review. Reviews of general interest, or that are likely to have an important impact upon a subdiscipline of chemistry, are preferable to highly specialized, narrowly focused ones." A decision is usually reached in 3–5 weeks, and the author is notified in writing. If the proposal is approved, the author is expected to

prepare the manuscript in accord with the proposal and these guidelines.

All manuscripts are peer reviewed, and final acceptance is contingent upon response by the author to the reviewers' comments.

III. Guidelines for Manuscript Preparation and Submittal

A. General Considerations

Authors should examine a current issue of *Chemical Reviews* and the Web pages indicated in the title for guidance with respect to format, style, and presentation of the review. They should also consult *The ACS Style Guide* (1997), available from Oxford University Press, Order Department, 2001 Evans Road, Cary, NC 27513.

Notice: Documents accepted for publication will be posted in the World Wide Web edition as soon as they are ready for publication, that is, when galley proofs are corrected and all author concerns are resolved. This can occur anywhere from 2 to 11 weeks in advance of the cover date of the printed issue. Authors should take this into account when planning their intellectual and patent activities related to a document. The actual date on which the document is posted on the Web is recorded in a separate line at the bottom of the first page of the document in the printed issue.

1. Original Manuscript Submission

(1) Two copies, *entirely* double-spaced (indicate the preferred location of each figure, scheme, structure, table, and/or equation); five copies of any **color** art which the referees need to see in color

(2) Page-size art at the end of each copy

(3) All pages **numbered** consecutively, including tables

(4) Completed copyright transfer form

(5) Postal address, telephone number, fax number, and e-mail address of corresponding author.

(6) Four copies of Supporting Information, one copy camera ready, with a properly worded Supporting Information Available statement after the Acknowledgment and before the References.

2. Submission of a Revised Manuscript (after receipt of reviewer reports and editorial recommendations)

(1) Two copies of the revised manuscript; no handwritten corrections

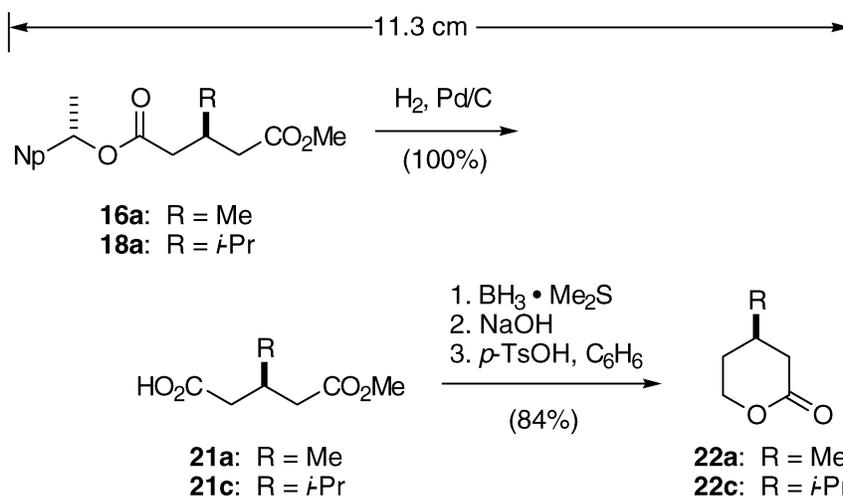


Figure 1. Example of a scheme prepared with ChemDraw using the specified preferences. This author-supplied drawing will be reduced to 75% of its present size for publication in the single-column format. For the single-column format, the scheme supplied can be no larger than 11.3 cm (4.44 in.) in width. Schemes involving two or more steps can be presented as several lines of structures, as in the above example, to achieve the dimensions of the single-column format. (Reprinted from "1995 Guidelines for Authors" *The Journal of Organic Chemistry*. Copyright 1995 American Chemical Society.)

(2) Proofs will be sent electronically unless 'Mail Proofs' is written at the top of the title page. (Standard US First Class Mail)

(3) Outline of responses to reviewer comments

(4) Original *scanner-ready* artwork, separate from the manuscript, *including both structures and figures*

(5) Photograph (digital images are preferred, must be black and white, 300 dpi or greater) and brief biographical sketch of *each* author (unless there are more than six)

(6) A copy of the manuscript on diskette and a completed Media Description Form (see section on 'Electronic Manuscript Submission' below)

(7) Simple diagram or figure for journal cover (with a separate copyright transfer form for Artwork/Photos and an electronic version on a disk by itself). Indicate the top of the figure. Previously published art cannot be used.

(8) Confirmation that all permissions to reprint previously published material have been obtained.

B. Divisions of the Manuscript

There are no specific recommendations on length, but it must be adequate for comprehensive coverage of the subject.

1. The *title* should be concise and accurately reflect the content.

2. Full names of authors should be given. Indicate, with an asterisk, the author to whom all correspondence should be addressed.

3. *Main divisions and subdivisions* must use the following designations: 1, 1.1, 1.2, 1.3, 2, 2.1, 2.2, 2.2.1, etc.

4. A *Table of Contents* is required and in general reflects the first two divisions (e.g. 1, 1.1). A third subdivision (1.1.1, 1.1.2) may be listed, if such sections of the manuscript are lengthy and not too numerous. *Entries in the Contents should be identical with those in the body of the article.*

5. The *Introduction*, usually one or two manuscript pages, should state precisely the purpose and goals

of the review and its scope and limitations, as well as the years of literature covered. Historical material and references to earlier pertinent reviews, as well as a limited amount of material of personal or anecdotal nature, may be included. Any special nomenclature, notation, or symbol should be defined here.

6. Material in the *review proper* should be logically arranged and presented in a clear and concise style.

7. If there has been some delay in publication, or if some unusually significant, pertinent material appeared after the manuscript was accepted for publication, the author may include a brief addendum as a note added in proof.

8. *Acknowledgments* should be placed in a separate paragraph at the end of the review.

C. Tables

Tables are numbered consecutively with Arabic numerals. The title should immediately follow the table number, at the head of the table. Tables should be grouped at the end of the manuscript. Abbreviations and *linear* chemical formulas may be used in headings and columns of tables. *Structural* formulas should be avoided if possible in column headings or the body of tables but they may be used in the main heading. Oversized tables may be submitted in reduced form for review. One full-sized copy of each table must be submitted for the production department.

D. Structural Drawings and Figures

1. General

The chemical structures, graphs, photographs, or other illustrations will appear as submitted. The quality of the illustrations in your paper depends on the quality of the artwork provided. Artwork cannot be modified or enhanced by the journal production staff. Hardcopies of artwork should be free of all flaws (smudges, uneven lines, incomplete erasures, etc.) and show good black and white contrast. The *original* artwork or a photographic print of the original should

be submitted for publication as photocopies do not reproduce well. Original artwork will be returned upon request. Hardcopy graphics should be printed on a high-resolution laser printer (line art at 1200 dpi, grayscales at 600 dpi, color at 300 dpi) using dark black ink on high-quality, white paper. Remove all color from graphics, except for those graphics that you would like to have considered for publication in color. Hardcopy graphics are digitized during journal production. Whenever possible, the graphics files furnished by authors are used in production of the Journal.

2. Structural Drawings

Structural formulas should be carefully drawn and numbered consecutively in the order of appearance in the text (boldface Arabic numerals). Complicated structural formulas should be submitted with other artwork as camera-ready copy and should be separate from the text pages. Complicated drawings with many structures should be labeled as *Schemes* if they contain arrows for chemical reaction paths and as *Charts* if they do not.

Structural artwork will be reduced to fit a one- or two-column format and the guidelines set forth in the following section (Figures) should be followed. *All artwork not labeled Scheme or Chart will be reduced to single-column width* (see Figure 1).

Structures should be produced with the use of a drawing program such as ChemDraw. Structure drawing preferences (preset in the ACS Stylesheet in ChemDraw) are as follows:

- (1) As drawing settings select:

chain angle	120°
bond spacing	18% of width
fixed length	14.4 pt (0.508 cm, 0.2 in.)
bold width	2.0 pt (0.071 cm, 0.0278 in.)
line width	0.6 pt (0.021 cm, 0.0084 in.)
margin width	1.6 pt (0.056 cm, 0.0222 in.)
hash spacing	2.5 pt (0.088 cm, 0.0347 in.)
- (2) As text settings select:

font	Arial/Helvetica
size	10 pt
- (3) Under the preferences choose:

units	points
tolerances	3 pixels
- (4) Under page setup use:

Paper:	US Letter
Scale:	100%

Authors using other drawing packages should, in as far as possible, modify their program's parameters so that they reflect the above guidelines.

3. Figures

Original illustrations, other than structural drawings submitted with the revised manuscript, should be in the actual size at which they are to appear in the journal. Each figure must fit one column on the journal page (in exceptional cases, two columns).

	single (preferred)	double
width		
minimum		10.5 cm (4.13 in.)
maximum	8.25 cm (3.25 in.)	17.78 cm (7 in.)
maximum height	24 cm (9.5 in.)	24 cm (9.5 in.)

Lettering should be no smaller than 4.5 points (Helvetica or Arial is preferred). Lines should be no thinner than 0.5 point. Lettering and lines should be of uniform density.

If artwork that will need to be reduced must be submitted, correspondingly larger lettering, larger numbering, and thicker lines must be used.

To help reviewers, include a larger version of graphics at the end of the initial submission. Clearly label each one on the *front* (e.g., "Figure 1"). If the reviewers need to see color figures *in color*, five color copies must be provided with the initial submission.

Avoid artwork that includes complex textures and shading used to achieve a three-dimensional effect. If a pattern must be shown, choose a simple cross-hatch design.

Figures are numbered consecutively with Arabic numerals. Captions for figures should follow on the same line as figure number and should be collected and listed immediately after tables.

Photographs are normally published as black and white halftones, regardless of the type of original submitted. Do not submit color prints for black and white reproduction.

Color reproduction, if approved by the Editor, will be provided at no cost to the author. Color illustrations should only be submitted if essential for clarity of communication. A surcharge of \$100 per 100 reprints will be added to the standard cost of reprints.

When photographs (black and white or color) are submitted as figures, the author should provide prints that are of single- or double-column width and are the actual size for publication in the journal. Only prints (no negatives, slides, or vugraphs) should be submitted. Photographs produced on a laser printer or otherwise digitally reproduced (i.e., artwork cut from a printed publication) scan poorly and should be avoided. The front or back of the image area of the photograph must be free of any markings.

E. Equations

Chemical and mathematical equations are denoted by Arabic numerals in parentheses at the right side [i.e. (1), (2), etc.] and should be numbered consecutively. Mathematical equations must be typed and should be presented, in as far as possible, in the proper type style (i.e., italics, boldface, subscript, superscript, etc.).

F. Nomenclature

Nomenclature should conform with current American usage. Insofar as possible, authors should use systematic names similar to those used by Chemical Abstracts Services or the International Union of Pure and Applied Chemistry and the International Union of Biochemistry and Molecular Biology. *Chemical Abstracts (CA)* nomenclature rules are described in Appendix IV of the *Chemical Abstracts Index Guide*. A list of ring systems, including names and numbering systems, is found in the *Ring Systems Handbook*, American Chemical Society, Columbus, OH, 1993.

For CA nomenclature advice, consult the Manager of Nomenclature Services, Chemical Abstracts Service, P.O. Box 3012, Columbus, OH 43210-0012. A name generation service is available for a fee through

CAS Client Services, 2450 Olentangy River Road, P.O. Box 3343, Columbus, OH 43210-0334; Telephone: (614) 447-3870; Telefax: (614) 447-3747; or e-mail: answers@cas.org.

G. References

In the Web edition, references will be linked to other electronic sources (Chemical Abstracts Service, journals, etc.). The accuracy of the references is critical and is the responsibility of the authors.

All references and notes (except those which appear only in tables) should be numbered in one consecutive series in the order of appearance in the text. Footnotes in the body of the review should be avoided. However, a footnote should be included on the title page to give the current address of the corresponding author if this information is not obvious from the heading of the manuscript. Footnotes regarding the affiliation of other authors may be included. Reference numbers should be typed as *unparenthesized superscripts* in the text, but should be enclosed in parentheses in the reference itself. References and notes should be typed in *numerical order* at the end of the text, just before tables.

References and footnotes which appear only in tables should be handled separately. They should be given letter designations and cited in the table by superscript italic letters. The sequence of letters should proceed by line rather than by column. If a table includes references which also appear in the text, the numbers assigned to these references should be used, whether the references appear in the text preceding or following the table.

Authors should follow *The ACS Style Guide* for reference format. Do not include titles and ending pages. Official *Chemical Abstracts* abbreviations of journal names as given in *Chemical Abstracts Service Source Index* (CASSI) should be used:

Philipson, J. J.; Burwell, R. L. *J. Am. Chem. Soc.* **1970**, *92*, 6125.

If a reference is to a journal that is not generally available, the *Chemical Abstracts* reference should be given in addition to the original. References to translated journals should be clearly indicated as such; original references should also be cited.

For books, the author(s), title, publisher's name and address, year of publication, and the chapter or page(s) should be included:

Benson, S. W. *The Foundations of Chemical Kinetics*; McGraw-Hill: New York, 1960; p 342.

Citations of patents should include the author's name (or company name if no individual is the patentee), the patent country, number, year, and a reference to *Chemical Abstracts* or another abstract source, as in:

Wright, J. B. U.S. Patent 3,115,496, 1963; *Chem. Abstr.* **1964**, *60*, 5512c.

For complex citations, such as citing chapters in a book, edited series, see pages 190–195 in *The ACS Style Guide*, 2nd Edition, 1997.

H. Supporting Information

Occasionally manuscripts include materials such as extensive tables, graphs, spectra, etc. Such Supporting Information should be enclosed separately.

Once published, it is available free of charge by clicking on "Supporting Information" on the Web version Contents of the issue, under the title of the article, or in general, via the Internet from the *Chemical Reviews* home page (<http://pubs.acs.org/cr>) under "Supporting info".

For additional information on electronic access, send electronic mail to si-help@acs.org or phone (202) 872-6333.

Submission of Supporting Information

(1) The first page of the Supporting Information must be a title page containing the title of the manuscript, the names of all the authors, and a table of contents. All pages must be consecutively numbered S1 (the title page), S2, etc. Captions should appear directly on the figures, not in a separate list of figure captions. Figures should be labeled Figure S1, Figure S2, etc.; tables should be designated Table S1, Table S2, etc.

(2) A brief description of the Supporting Information material must be inserted in the manuscript text after the Acknowledgment and before the References and Footnotes. The appropriate format is: "**Supporting Information Available.** [concise list of types of data or files]".

(3) The final version of Supporting Information can be a scanner-ready hard copy, or digital submission.

I. Reproduction of Published Tables, Figures, Charts, and Other Materials

In general, published material cannot be reprinted without permission of the copyright holder, even if it is from an article previously written by the author (however, permission to reprint from ACS journals can be taken for granted). Reprinted tables, figures, etc., should be noted in the manuscript (commonly as part of a caption), e.g.: Reprinted with permission from ref 42. Copyright 1986 American Chemical Society. To reprint materials from non-ACS journals, *it is the obligation of the author to secure permission from the publisher and to be certain that the permission includes ALL formats, including, but not limited to print, electronic, CD ROM, and World Wide Web.* Any questions regarding permission to reprint or fees for permission to reprint a figure or scheme should be directed to the ACS Copyright Office (copyright@acs.org). Sample letters for these purposes can be found on the *Chemical Reviews* Web page. The fact that such permission has been granted should be appropriately acknowledged in the manuscript by citing the reference, year of publication, and publisher (e.g., Reprinted with permission from ref 42. Copyright 1996 American Institute of Physics.). The author should retain in files letters that grant copyright permission.

J. Electronic Manuscript Submission

Electronic versions of all manuscripts must be submitted with the revised manuscript. The disk should be checked with an up-to-date virus detection program. *The disk should be labeled with the manuscript number and corresponding author name.* A "Media Description Form" should be completed and included with the disk. The version on disk **must**

exactly match the final version accepted in hard copy and must include *all* modifications that have been made in response to reviewer comments. Manuscripts should be prepared with one of the software programs listed below.

The document mode or its equivalent in the word-processing program must be used, i.e., the files should not be saved in "Text Only" (ASCII) mode. If a non-Western version of the word-processing software was used to prepare the manuscript, the file should be saved in rich-text format (RTF). The text should be left justified, and automatic end-of-line hyphenation should be turned off. Carriage returns should only be used to end headings and paragraphs, not to break lines of text. Periods, commas, etc., should not be preceded by a space. The author should ensure that all characters are correctly represented throughout the manuscript: e.g., 1 (ones) and l (ells), 0 (zeros) and O (ohs), x (exs) and × (times sign). The final copy should be carefully checked for consistent notation and correct spelling.

All of the text (including the title page, all sections of the body of the paper, references, tables, figure captions, scheme or chart titles and footnotes, and author biographies) should be in *one* file, with the complete text first, followed by the tabular material. The fonts "Times" and "Symbol" produce the best results. Other fonts, particularly those that are not bundled with the system software, may not translate properly. The author should ensure that all special characters (e.g., Greek or math symbols) are present in the body of the text as characters and not as graphic representations. Consult the documentation for the specific software package used on how to detect the presence of graphics in the files, and replace them with the appropriate text characters. Tables may be created using a word processor's text mode or, preferably, table format feature. Ensure each data entry is in its own table cell. If the text mode is used, columns should be separated with a single tab and a line feed (return) at the end of each row.

Electronic files are required for art intended to be produced in color. Each graphic should be saved as a separate TIFF file. Minimum resolution requirements are line art at 1200 dots per inch (dpi), color at 300 dpi, and grayscales at 600 dpi. The filename for each graphic should be descriptive of the content graphic, for example, figure1 for Figure 1, scheme1 for Scheme 1, etc. Even if graphics files are submitted, good quality, hardcopy original figures are still required.

As additional features become available, these instructions will be updated on the ACS fileserver.

Currently Acceptable Word-Processing Programs

Macintosh:

WordPerfect 3.5
Microsoft Word, up to Word 2001
Microsoft Works 4.0
FrameMaker 5.5 (.mif files)

IBM and Compatibles:

WordPerfect, up to version 9.0
Microsoft Word for Windows 8.0

Microsoft Word, up to Word 2000
FrameMaker 5.5 (.mif files)

TeX users should follow the guidelines given at <http://pubs.acs.org/instruct/texguide.html>.

IV. Copyright

A properly completed copyright status form, a copy of which appears in the January issue as well as on the *Chemical Reviews* Web page, must be provided for each submitted manuscript. Questions should be addressed to Copyright Administrator, Publications Division, American Chemical Society, 1155 16th St., N.W., Washington, D.C. 20036.

V. Manuscript Submittal

Addresses of the Editorial offices are given at the beginning of these Instructions and on the masthead page of every issue. Materials should be directed as follows:

(1) Invited manuscripts should be submitted to the editorial office designated in the invitation.

(2) Unsolicited manuscripts and proposals may be sent either to Josef Michl (encouraged for North American authors) or John Gladysz (encouraged for authors outside of North America).

VI. Proof and Reprints

After a manuscript is accepted for publication, it is forwarded to the editorial staff for technical editing. Correspondence regarding accepted papers, proofs, or reprints should be directed to Journal Publications, American Chemical Society, 2540 Olentangy River Road, P.O. Box 3330, Columbus, OH 43210.

About two months before publication, the corresponding author receives an e-mail with instructions for correcting the proofs on a secure Web site. Authors with color artwork will also receive a color confirmation pack by mail. Proofs should be carefully checked against the manuscript, corrected in accord with instructions sent, and returned within a few days by mail (fax, if minor) or following the instructions provided with the Web-delivered galley. If initially requested on the revised manuscript title page, galley proofs will be sent by mail. Galley corrections should be restricted to typographical errors and any serious changes in interpretation.

Reprints must be ordered at the time the galley proof is received. A *reprint order form*, showing the cost of reprints, is *sent with the galley proof*. Please return the reprint order form, with purchase order or check, using the enclosed envelope addressed to **Cadmus Professional Communications**. The corresponding author will receive 50 free electronic reprints of the review via an Electronic Reprints URL. There are no page charges associated with *Chemical Reviews*.

Corrections of errors of consequence that appear in the published version of the article should be sent to the Editor for publication as an *Addition or Correction*. These will be published at the earliest possible time in a subsequent issue of the journal.

Copies of these Instructions for Authors may also be obtained without charge from the Editor. These instructions and the copyright status form are also printed in the first issue of each volume.

Chemical Reviews 2003 Instructions for Authors
Initial Submission Checklist for Authors

- ___ **Copyright Status Form** with original signature of corresponding author.
- ___ **Two (2) copies of the manuscript.**
- ___ **Five copies of any color figures** which need to be seen in color by the **referees**.
- ___ **Corresponding author's name** marked with an **asterisk** on the title page (at least *one* author must be designated).
- ___ Complete **address** of corresponding author including, as available, postal address, **telephone** number, **fax** number, and **e-mail** address.
- ___ **Double-spaced manuscripts. NO SINGLE-SPACED TYPING** is permitted in **any** portion of the manuscript.
- ___ **A Table of Contents** is required. Format must conform to journal policy for Divisions of the Manuscript: 1, 1.1, 1.2, 1.3, 2, 2.1, 2.2, 2.2.1, etc.
- ___ **No Abstracts.**
- ___ **All pages** of a manuscript should be **numbered consecutively**, including tables and graphics grouped at the end.
- ___ **References** *must* be in accordance with ACS guidelines and journal policy (**no article titles, no ending page numbers**), e.g., "...number of aromatic polymers.⁶
(6) Hawthorne, M. F.; Mistal, F. W.; West, A. J. *Chem. Rev.* **1987**, *87*, 234."
- ___ **Numbering or lettering in the figures** must be of a size that remains legible upon reduction below journal single-column width.
- ___ **Oversized tables** may be submitted in reduced form for review. One full-sized copy of each table must be submitted for the production department.

PLEASE PREPARE TO SUBMIT WITH YOUR REVISED MANUSCRIPT

- ___ Two hard copies of your REVISED manuscript.
- ___ **Electronic copy** of your REVISED manuscript (including all graphics), with a completed Media Description Form.
- ___ **Biography** of each author (short, one-paragraph biographical sketch preferred).
- ___ **Photograph** of each author (digital images preferred, must be black and white, 300 dpi or greater).
- ___ **Cover Art** (small, simple figure or diagram to represent the article) hard copy and electronic.
- ___ **Original artwork**, prepared to meet journal requirements (camera-ready high-quality prints separate from the text with ideally one figure per page).
- ___ **Honorarium Distribution** form

NOTE: Galley proofs will be delivered on the Web unless "Mail Proofs" is written on the title page.

COVER ART
for
Chemical Reviews

All *Chemical Reviews* articles are represented by a figure on the cover of the issue in which the article appears.

Please submit a figure with your revised manuscript. The illustration should capture the eye and curiosity of a broad spectrum of readers.

UNLESS ALL FOUR POINTS BELOW ARE ADDRESSED, THE EDITOR WILL CREATE/SELECT COVER ART FOR YOUR ARTICLE.

CHECKLIST FOR COVER ART

- _____ Either (i) a hard copy *high-quality print* of figure/image or (ii) a clear indication of which figure to use from the manuscript. If the figure is to be in color, please provide a **color** print. Note that figures may be modified by the Editor.

- _____ Electronic version of the figure on a ***disk by itself***. (NOTE: the image must be editable and therefore **NOT** embedded in any text nor pasted into a secondary program from the original software.) Please see the ACS "Digital Image Guidelines for Journal Cover Graphics" for instructions on creating the file.

- _____ Media Description Form FOR COVER ART ONLY, indicating the software and hardware used to create the file.

- _____ **"AMERICAN CHEMICAL SOCIETY COPYRIGHT TRANSFER FORM FOR ARTWORK/PHOTOS"**, filled in with name, address, brief description, and **signed by the copyright owner**.

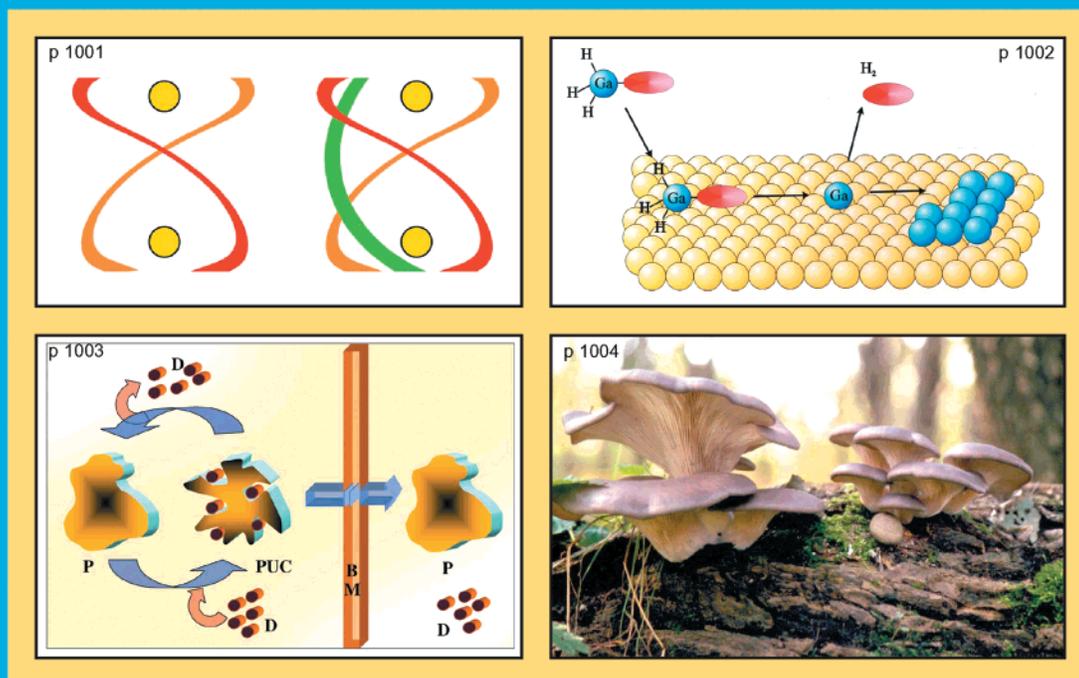
NOTE: THE FIGURE MUST NOT HAVE BEEN PUBLISHED ELSEWHERE, NOT EVEN IF YOU WERE THE AUTHOR, AND IT MUST NOT CONTAIN IMAGES OF LIVING PERSONS.

Sample Cover

CHREAY

CHEMICAL REVIEWS

NOVEMBER 2001
VOLUME 101
NUMBER 11



Released December 1998

Digital Image Guidelines for Journal Cover Graphics

from ACS Publishing & Creative Services

1155 Sixteenth Street, NW, Washington, DC 20036 202.872.6036

Please contact Amy Phifer at 202.872.6143 or a_phifer@acs.org if you have any specific questions regarding these guidelines.

Pixel-Based Images

This kind of image is typically generated with a scanner or by an application (like Photoshop) to produce a bitmap or pixel image.

The main concerns for producing pixel-based artwork for use in print are file format and resolution.

File Format and Resolution

All pixel-based images should be supplied in TIFF format at a resolution of 300 dots per inch (dpi). (If you cannot send TIFF, use JPEG at the highest quality setting.) Photoshop TIFF files for the Macintosh are preferred.

Size

Send pixel-based artwork with the image sized as large as possible (8½ inch wide minimum recommended).

Color

Save in CMYK mode and send a CMYK color proof. CMYK is required for 4-color print production. (We can adapt RGB files if you are unable to create CMYK, but be aware that it is impossible to match RGB colors exactly when converting to CMYK— especially bright greens and bright blues.) Contact Amy Phifer at 202.872.6143 or a_phifer@acs.org to discuss options if you are unable to create a CMYK file.

REQUIREMENTS:

Format: TIFF (or JPEG)

Resolution: 300 dpi minimum

Color: CMYK

Vector-Based Images

This kind of image is generated using a drawing program.

Since vector-based images are resolution independent, the main concern for this type of graphic is file format.

File Format

All vector-drawn images should be supplied in EPS format. Macintosh FreeHand EPS (with original Freehand file included) or Macintosh Illustrator EPS files are preferred.

Size

Since vector-drawn graphics are scalable, there is no size requirement. The ACS Publishing & Creative Services office recommends that images be made at the size they are expected to appear when published, if the size is known.

Color

Create colors as CMYK builds. Send a CMYK color proof.

Embedded Images

If any images are imported or embedded into the EPS file, you need to include originals of all images along with the final EPS file (follow guidelines for pixel-based Images if necessary for these files).

REQUIREMENTS:

Format: EPS

Color: CMYK builds

Other: Supply all imbedded images separately

Delivery of Image Files

Images can be sent to ACS Publishing & Creative Services (PCS) as e-mail attachments or arrangements can be made to receive image files via ftp. Please discuss these arrangements with the PCS staff member you are working with.



Media Description Form - FOR COVER ART ONLY

Journal: **Chemical Reviews**

*****Form For Cover Art ONLY*****

Manuscript Number: CR

Article Title:

Manuscript Editor:

Corresponding Author:

Work:

E-mail:

FAX:

Media Type : 3 1/2" disk: _____ CD-ROM: _____ Zip Disk: _____ Jaz Disk: _____ Other: _____

Hardware used (check one):

**** REQUIRED: Cover Art on DISK BY ITSELF****

IBM-PC compatible _____

Macintosh _____

Other (specify) _____

Software used:

Software name and version (text) _____

Software name and version (graphics) _____

Software name and version (other) _____

File Name	Description	File Name	Description

I verify that I have used a virus detection program on my files: (please initial) _____

I have confirmed that this diskette contains the final version of the manuscript accepted by the journal editor.

Author Signature _____

Date _____



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Publications Division, 1155 16th Street, NW, Washington, DC 20036

This form cannot be altered. To discuss any concerns, contact the editor's office.

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