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2015 Guidelines for Authors

(Revised May 2015)

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Submission Checklist

Before submitting your manuscript, please check your submission for the following:

☐ Manuscripts should be submitted via the ACS Paragon Plus Environment (http://paragonplus.acs.org/login) and all co-authors should be entered into ACS Paragon Plus with contact information and e-mail addresses for each.
□ Title should not include words such as "First", "Novel", "New", and serial numbers are not allowed.
☐ A brief Abstract (100–150 words) should be included with all manuscript types.
□ The entire manuscript text should be double-spaced.

□ Table of Contents (TOC) graphic

- a. A TOC graphic (color encouraged) should be provided, preferably near the abstract of the manuscript, with the page labeled as "for Table of Contents use only", and the title and author list.
- b. The illustration should be visually appealing, and highlight the most important aspect of the work.
- c. The graphic should be provided in the actual size to be used that will fit in an area 3.25 in. wide by 1.375 in. high $(8.3 \text{ cm} \times 3.5 \text{ cm})$.

□ Figures and Tables

- a. Should be embedded within the manuscript text at their first reference, at a nearby paragraph break.
- b. For best results, figures and tables should be submitted at final published size (i.e., 3.25 in. wide for one column).

□ **Supporting Information** (SI)

- a. All nonessential figures, tables, and procedures should be included as SI and uploaded as a separate file (pdf recommended) at the same time as manuscript submission.
- b. The availability of SI should be mentioned in a separate paragraph in the manuscript, placed immediately before the references, as: "Supporting Information. Brief statement in nonsentence format listing the contents of the material supplied as Supporting Information."

The uploaded files (Manuscript file + Graphic(s) for manuscript) will be converted into a PDF proof. This is how the manuscript will appear when sent to reviewers. **This PDF proof must be viewed and validated before submission is completed.** Authors are also encouraged to upload their own pdf version of the manuscript.

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Manuscripts must be submitted via the ACS Paragon Plus Environment (http://paragonplus.acs.org/login). Complete instructions and an overview of the electronic online (Web) submission process are available through the secure ACS Paragon Plus Web site. Authors must also submit all revisions of manuscripts via the ACS Paragon Plus Environment. The Web submission site employs state-of-the-art security mechanisms to ensure that all electronically submitted papers are secure. These same security mechanisms are also utilized throughout the peer-review process, permitting access only to editors and reviewers who are assigned to a particular paper.

The *entire* manuscript (including abstract, references, tables, and figure legends) should be *double-spaced*. All pages should be numbered consecutively. Sequences of figures, tables, charts, and schemes should also be numbered, with Arabic numerals.

Patent Activities and Intellectual Property Issues. Authors are responsible for ensuring that all patent activities and intellectual property issues are satisfactorily resolved prior to first publication (ASAP or in issue). Acceptance and publication will not be delayed for pending or unresolved issues of this nature.

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Table of Contents Graphic for Submissions. A Table of Contents (TOC) graphic is required for all papers when first submitted to *Macromolecules*. This graphic will also be published in the

Abstract. The graphic should capture the reader's attention and, in conjunction with the manuscript title, give the reader a quick visual impression of the essence of the paper. Examples include structures, graphs, drawings, SEM/TEM/AFM images, or reaction schemes. Tables or spectra are not usually appropriate. Color is encouraged and will be free of charge. The author should submit a graphic in the actual size to be used for the TOC, fitting in an area no larger than 3.25 in. $\times 1.375$ in. $(8.3 \text{ cm} \times 3.5 \text{ cm})$. Larger images will be reduced to fit within those dimensions. Type size of labels, formulas, or numbers within the graphic must be legible. The page should be labeled "for Table of Contents use only" and contain the title and authors of the paper. This item should be appended as the last page of the manuscript.

Title. Titles should clearly and concisely reflect the emphasis and content of the paper. Titles are of great importance for current awareness and information retrieval and should be carefully constructed for these purposes. Please note that the use of serial numerals in the title (e.g., "broad topic. 3. specific subject") is no longer permitted.

Author List. Bylines should include all those who have made substantial contributions to the work. All coauthors need to be included during the submission process. To facilitate indexing and retrieval and for unique identification of an author, use first names, initials, and surnames (e.g., John R. Smith) or first initials, second names, and surnames (e.g., J. Robert Smith). At least one author must be designated with an asterisk as the person to whom correspondence should be addressed.

An abstract must be provided for all submissions. For full-length articles, use between 100 and 150 words in complete, concise sentences to indicate what is new, different, and significant. The abstract should be presented in a findings-oriented format; that is, one in which the first sentence is a succinct, informative summation of the most important results and conclusions. The remainder should highlight pertinent supporting details, related findings, types or classes of compounds investigated, and methods used. The abstract should be self-contained for direct use in *Chemical Abstracts* or other secondary services. For shorter papers, abstracts should be correspondingly brief.

The Experimental Section should provide a clear, unambiguous description of materials, methods, and equipment in sufficient detail to permit repetition of the work elsewhere. Repetitive descriptions of a general procedure should be avoided. *Precautions for handling dangerous material or for performing hazardous procedures should be explicitly stated*.

NMR Spectral Data. If you are reporting NMR data, please refer to ACS's guidelines on submitting NMR data: http://pubs.acs.org/page/4authors/tools/index.html.

References. It is the responsibility of authors to ensure the accuracy of references. Because subscribers to the Web edition of the journal are now able to click on the "CAS" tag following each reference to retrieve the corresponding CAS abstract, reference accuracy is critical. References should be typed in the format of *Macromolecules* (see below) and cited in the text by superscript numbers without parentheses or spaces. When more than one reference is cited in one place, separate the numbers by commas without spaces. Authors should consult the Journal Web site available via http://pubs.acs.org as a guide to proper format. Information on a standard list of abbreviations for ACS journals may be found in The ACS Style Guide (3rd ed., 2006), available from Oxford University Press, Order Department, 201 Evans Road, Cary, NC 27513.

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- (1) Balsara, N. P.; Fetters, L. J.; Hadjichristidis, N.; Lohse, D. J.; Han, C. C.; Graessley, W. W.; Krishnamoorti, R. *Macromolecules* **1999**, **32**, 6137–6147.
- (2) Wignall, G. D. In *Encyclopedia of Polymer Science and Engineering*, 2nd ed.; Mark, H. F., Bikales, N. M., Overberger, C. C., Menges, G., Eds.; Wiley-Interscience: New York, 1999; Vol. 10, p 112.

For work published online (ASAP) and work submitted for publication (e.g., submitted; in press), the DOI should be furnished in addition to the standard bibliographic information. DOI is an accepted form of citation before and after the article appears in an issue.

Brown, A.; Ngai, T. Y.; Barnes, M. A.; Key, J. A.; Cairo, C. W. J. Phys. Chem. A **2011**, DOI: 10.1021/jp2079296.

Length of Manuscript. Because of the limitation on the number of pages that can be published in *Macromolecules* in a given year, it is important that authors keep their text as short as possible. Care should be taken not to use an overly-long Introduction section, and only references that pertain to the information in the article should be used. Authors should not repeat information found in their previous publications. Place all nonessential figures, tables, and descriptions in the Supporting Information.

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General Considerations. The quality of the illustrations in the journal depends on the quality of the originals. Figures cannot be modified or enhanced by the journal production staff. Whenever possible, the graphics files furnished by authors with Web submissions are used in production of the Journal. The preferred submission is to embed graphic files in a Word document. Additional acceptable file formats are TIFF, PDF, EPS (vector artwork), or CDX (ChemDraw file). To ensure good quality production in the journal, a copy of each graphic should be printed (at the desired size in the final printed version) from a high-quality laser printer (600 dpi or higher) to verify that all parts of the artwork are clear and legible. Any changes to the artwork (including size changes) must be made in the drawing program that was used to create the artwork, and the revised artwork reimported into the manuscript.

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minimum		10.5 cm (4.13 in.)
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(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.)

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size 10 pt

(3) Under the preferences choose:

units points tolerances 5 pixels

(4) Under page setup choose:

Paper US Letter Scale 100%

(5) Save the file at 75%

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Manuscripts prepared with the software packages listed below will be used for production, providing the following guidelines are adhered to. Failure to adhere to the following instructions may prevent all or part of the material supplied from being used in production.

When preparing a manuscript, use the document mode or its equivalent in the word-processing program; i.e., do not save files in "Text Only" (ASCII) mode. If a non-Western version of the word-processing software is used to prepare the manuscript, save the file in rich-text format (RTF). Do not include any page-layout instructions such as placement information for graphics in the file. The text should be left justified, and automatic end-of-line hyphenation should be turned off. Use carriage returns only to end headings and paragraphs, not to break lines of text. Do not insert spaces before punctuation. References must conform to the format printed in the journal.

Ensure that all characters are correctly represented throughout the manuscript: for example, 1 (one) and 1 (ell), 0 (zero) and O (oh), x (ex) and \times (multiplication sign). Check the final copy carefully for consistent notation and correct spelling. The Editorial Office conversion program will faithfully translate any errors to the typeset copy.

All text (including the title page, abstract, all sections of the body of the paper, figure captions, scheme or chart titles and footnotes, and references) and tabular material should be in *one* file. Graphics and tables should be inserted in the file at a paragraph break near the first mention in the text. It is best to use the fonts "Times" and "Symbol". Other fonts, particularly those that do not come bundled with the system software, may not translate properly. Ensure that all special characters (e.g., Greek characters, math symbols, etc.) are present in the body of the text as characters and not as graphic representations. Consult the documentation for the specific software package being 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 table format feature. The table format feature is preferred. Ensure each data entry is in its own table cell. In general, please make table entries as concise as possible, using footnotes and table abbreviations where appropriate. Examples of common table abbreviations are temp for temperature, calcd for calculated, obsd for observed, conv for conversion, no. for number, nd for not determined, and λ for wavelength. If the text mode is used, separate columns with a single tab and use a line feed (return) at the end of each row.

As additional features become available, these instructions will be updated on the <u>Macromolecules Home Page</u> under "<u>Information for Authors</u>".

A <u>list of currently acceptable Word processing packages</u> is given on the submission Web site.

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may not translate correctly.
☐ Avoid extensive use of \newcommand and \def.

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Nomenclature should conform with current American usage. Insofar as possible, authors should use systematic names similar to those used by Chemical Abstracts Service and the International Union of Pure and Applied Chemistry (IUPAC). A guide to IUPAC recommendations on macromolecular nomenclature is available via the Internet at www.iupac.org/web/ins/2008-032-1-400. A new report on terminology for biorelated polymers from IUPAC may be found at *Pure Appl. Chem.* 84, 2167–2169 (2012). http://iupac.org/publications/pac/84/10/2167/. Chemical Abstracts (CA) nomenclature rules are described in Appendix IV of the Chemical Abstracts Index Guide. 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, 2540 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.

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General Requirements. Authors are encouraged to submit one or more illustrations for consideration for use on the front cover of the journal, but authors of **Perspectives** will be given special consideration. These illustrations should be submitted in color and pertain to the subject matter of the paper.

In addition to the scientific content, considerations of design and visual appeal as a cover illustration will play an important role in the selection of illustrations. A brief, descriptive caption (about 25 words) that will appear below the Table of Contents is also needed. Once submitted by the author, the final version, if published, is at the discretion of the Editor-in-Chief. Once an illustration is selected for use on the cover, authors will be asked to provide a digital version of the image. The following guidelines are provided by ACS Publishing & Creative Services:

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