JOURNAL OF CHROMATOGRAPHY A

TABLE OF CONTENTS

- Description p.1
- Audience p.1
- Impact Factor p.1
- Abstracting and Indexing p.2
- Editorial Board p.2
- Guide for Authors p.4

DESCRIPTION

*Journal of Chromatography A* publishes research papers and critical reviews on all aspects of **fundamental and applied separation science**. The scope includes **chromatography** and related techniques (e.g. field-flow fractionation), **electromigration techniques**, **hyphenated** and other **multi-dimensional techniques**, **sample preparation**, and detection methods such as **mass spectrometry**. *Journal of Chromatography A* accepts manuscripts describing **fundamental research** on all aspects of **separation science theory and methodology**, **instrumental developments** and **analytical and preparative applications of general interest**. In determining the suitability of submitted articles for publication, particular scrutiny will be placed on the degree of novelty and significance of the research and the extent to which it adds to existing knowledge in separation science. Papers reporting routine separation methods or straightforward extensions of these methods to new sample matrices will normally not be published. Review articles are invited by the editors. Potential authors may also propose a review article in writing to the editors or the editorial office by providing a brief outline of the subject matter and the proposed content. Review articles should be sufficiently broad in scope, but should be specific enough to permit discussion at an appropriate depth. Above all, reviews should be critical rather than enumerative and should provide the reader with expert opinion regarding the relative merits of the various published approaches to the topic under review. The same criteria are applied for acceptance of manuscripts, irrespective of whether these are submitted for regular issues, special issues, or symposium issues.

AUDIENCE

Analytical Chemists, Biochemists, Clinical Chemists. All those who are concerned with the separation and identification of mixtures or compounds in mixtures.

IMPACT FACTOR

2018: 3.858 © Clarivate Analytics Journal Citation Reports 2019
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GUIDE FOR AUTHORS

INTRODUCTION

Journal of Chromatography A provides a forum for the publication of original research and critical reviews on all aspects of fundamental and applied separation science. The scope of the journal includes chromatography and related techniques, electromigration techniques (e.g. electrophoresis, electrochromatography), hyphenated and other multi-dimensional techniques, sample preparation, and detection methods such as mass spectrometry. Contributions consist mainly of research papers dealing with the theory of separation methods, instrumental developments and analytical and preparative applications of general interest.

Journal of Chromatography A welcomes the submission of research papers which report on studies concerning the development of new and significant advances in separation science. Manuscripts detailing fundamental research on all aspects of separation science theory and methodology are especially encouraged. In determining the suitability of submitted articles for publication, particular scrutiny will be placed on the degree of novelty and significance of the research and the extent to which it adds to existing knowledge in separation science. Papers describing the use of routine separation methods or straightforward extensions of these methods to new sample matrices will normally not be published unless new developments are described which are demonstrated to give clear and considerable advantages over existing methods. As part of the Introduction section to each manuscript, authors must address the question of how their proposed methodology compares with previously reported methods and this comparison must show that significant advances are proposed.

Where new analytical methods are described, authors are encouraged to apply these methods to a sample matrix of suitable analytical complexity. In such cases appropriate validation of the method should be provided, together with proper statistical treatment of data. Analytical performance characteristics of new methods should be given, including sensitivity, tested limits of detection or quantification, accuracy, precision, and specificity.

Journal of Chromatography A applies the same criteria for acceptance of manuscripts to all types of submissions, irrespective of whether these are submitted for regular issues, special issues, or symposium issues.

Types of paper

The following types of papers are published in the Journal of Chromatography A:

- Regular research papers (full-length), Review articles, Short Communications, Concept Papers, Discussions and Letters to the Editor.

- Short Communications are usually descriptions of short investigations, or they can report minor technical improvements of previously published procedures; they reflect the same quality of research as full-length articles, but should preferably not exceed six printed pages (typically no more than 3000 words, with a maximum of five figures panels and/or tables).

- Concept Papers contain novel ideas at an early stage of development. It provides an opportunity to disclose new ideas early in their gestation period and before full validation. Concept Papers should be brief and contain a maximum of 2500 words and 1-3 figures and/or tables. The format of Concept Papers should be similar to regular papers, and must contain an abstract and keywords section, with the length and detail of the remaining sections adapted to focus on the novelty of the contribution. Only background and experimental details needed to disclose the concept to readers familiar with the general subject matter should be included in the article.

- Discussions (one or two pages) should explain, amplify, correct or otherwise comment substantively upon an article recently published in the journal.

- Review articles are invited by the editors or may be proposed in writing to the editors or the editorial office, who welcome suggestions for review topics. Potential authors will be asked to provide a brief outline of the subject matter of the proposed review. Review articles should be sufficiently broad in scope to appeal to a wide cross-section of the journal’s readership, but should be specific enough to permit discussion at an appropriate depth. Above all, reviews should
be critical rather than enumerative and should provide the reader with expert opinion regarding the relative merits of the various published approaches to the topic under review. Figures and Tables are encouraged in review articles.

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The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.
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If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.

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