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DESCRIPTION

The 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use of routine separation methods or straightforward extensions of these methods to new sample matrices will normally not be published unless new developments are described. These should be 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.

Review articles are invited by the editors or may be proposed in writing to the editors or the editorial office. 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.
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.

AUDIENCE

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

IMPACT FACTOR

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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.

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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, 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). 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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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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Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described.
**Theory/calculation**

A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.

**Results**

Results should be clear and concise.

**Discussion**

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

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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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