Visit also our website:

http://www.elsevier.com/locate/chrom

# INSTRUCTIONS TO AUTHORS



INCLUDING ELECTROPHORESIS, MASS SPECTROMETRY AND OTHER SEPARATION AND DETECTION METHODS

## JOURNAL OF CHROMATOGRAPHY B ANALYTICAL TECHNOLOGIES IN THE

ANALYTICAL TECHNOLOGIES IN THI BIOMEDICAL AND LIFE SCIENCES

Editorial Office Journal of Chromatography A and B P.O. Box 681, 1000 AR Amsterdam, The Netherlands Molenwerf 1, 1014 AG Amsterdam, The Netherlands Tel: +31-20-4852794 Fax: +31-20-4852304 e-mail: chrom-eo@elsevier.com



Amsterdam - London - New York - Oxford - Paris - Shannon - Tokyo

# JOURNAL OF CHROMATOGRAPHY

### **INSTRUCTIONS TO AUTHORS**

#### • Scope

#### Journal of Chromatography A

including electrophoresis, mass spectrometry and other separation and detection methods

The Journal of Chromatography A publishes papers on all aspects of separation science including chromatography, electrophoresis, hyphenated and other multi-dimensional techniques, sample preparation as well as detection methods such as mass spectrometry. Contributions consist mainly of research papers dealing with chromatographic and electrophoretic theory, instrumental developments and their analytical and preparative applications.

#### Journal of Chromatography B

analytical technologies in the biomedical and life sciences

The Journal of Chromatography B addresses advancements in and applications of analytical methodologies related to drugs, other biologically active compounds, metabolites, biomarkers, as well as to bio-polymers such as proteins, peptides, nucleic acids, glycans. The areas considered include:

- clinical analysis, therapeutic drug monitoring, pharmaceutical analysis, toxicological analysis, bio-environmental analysis and novel approaches to sample preparation in analysis of biological matrices
- the qualitative and quantitative analysis of biopolymers including proteins, peptides and their post-translational modifications as well as nucleic acids and glycans
- the screening and profiling of body fluids, tissues, biological matrices and system related to monitoring the level of active substances, including metabolities, biomarkers and toxicants
- the comparative analysis of biological systems using proteomics, genomics, metabonomics and other 'omics' including novel ways of data handling and interpretation
- preparative aspects related to separation and isolation of bioactive compounds including biopolymers

Analytical techniques covered include the various facets of chromatography, electrophoresis and related methods, including mass spectrometry and affinitybased methodologies.

#### • Types of contributions

The following types of papers are published in the *Journal of Chromatography A* and *Journal of Chromatography B*: Regular research papers (full-length papers), Review articles, Short Communications, Discussions, Technical Notes and Letters to the Editor. Review articles are invited or proposed in writing to the Editors, who welcome suggestions for subjects. An outline of the proposed Review should first be forwarded to the Editors for preliminary discussion prior to preparation. 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 papers, but should preferably not exceed five printed pages. Discussions (one or two pages) should explain, amplify, correct or otherwise comment substantively upon an article recently published in the journal. Submission of an article is understood to imply that the article is original and unpublished and is not being considered for publication elsewhere.

Upon acceptance of an article by the journal, the author(s) will be asked to transfer the copyright of the article to the publisher. This transfer will ensure the widest possible disemination of information.

#### Submission of papers

Manuscripts in English (four copies, together with a set of reproducible figures) should be submitted to:

Editorial Office Journal of Chromatography (A or B)	Street address (for courier delivery): Editorial Office
P.O. Box 681	Journal of Chromatography (A or B)
1000 AR Amsterdam, The Netherlands	Molenwerf 1 1014 AG Amsterdam
	The Netherlands

Manuscripts for the **SYMPOSIUM** Issues (three copies are required) should be submitted during the symposium concerned. After the symposium, correspondence should be sent to the Editor handling the corresponding proceedings, i.e., either:

Dr. E. Heftmann, Editor of Journal of Chromatography A, Symposium Volumes, P.O. Box 928, Orinda, CA 94563-0818, USA

For Dr. Heftmann, please use regular air mail (NOT registered, special delivery or private mail services)

Professor Z. Deyl, Editor of Journal of Chromatography A and B, Symposium Volumes, Institute of Physiology, Czech Academy of Sciences, Videnska 1083, 14220 Prague 4-Krc, Czech Republic

or

Professor Gy. Vigh, Editor of Journal of Chromatography A, Symposium Volumes, Department of Chemistry, Texas A&M University, MS 3255, College Station, TX 77843-3255, USA

If in doubt which editor handles a specific proceedings issue, please contact the Editorial Office first.

Every paper must be accompanied by a letter from the senior author, stating that he/she is submitting the paper for publication in the *Journal of Chromatography A* or *B*. In the letter, possible reviewers may be suggested.

Authors may electronically submit articles to the *Journal of Chromatography* from the Journal's web site (http://www.elsevier.com/locate/chrom). Full instructions for on-line submission and for the preparation of manuscripts and illustrations are also available from this web site.

#### Manuscripts

Manuscripts should be typed in *double spacing* on one side of consecutively numbered sheets of paper of uniform size. A 2-cm margin should be left on each side, an easily readable font (12 pt.) should be chosen, and a letter-quality printer or equivalent should be used. The manuscript should be preceded by a sheet of manuscript paper carrying the title of the paper and the name, full postal address, FAX number and **e-mail address** of the author to whom correspondence is to be addressed. As a rule, papers should be divided into sections, headed by captions (e.g. Abstract, Introduction, Experimental, Results, Discussion). All illustrations, photographs, tables, etc. should be on separate sheets. If publications "in press" or "submitted for publication" are cited, on which the new paper is based, copies of these publications should be enclosed. *Four* copies of the complete manuscript (with illustrations and tables attached to each copy) should be submitted.

#### Electronic manuscripts

Electronic manuscripts have the advantage that there is no need for the rekeying of text, thereby avoiding the possibility of introducing errors and resulting in reliable and fast delivery of proofs. For the initial submission of manuscripts for consideration, hard copies are sufficient. Upon revision, your disk and (exactly matching) printed version (printout, hardcopy) should be submitted together to the accepting editor or Editorial Office according to their request. Please indicate the operating system and the wordprocessing package used, your name, and the names of the files. Further information may be obtained from the Publisher.

#### Title

The title of the paper should be concise and informative. Since titles are widely used in information retrieval systems, care should be taken to include the key words. The title should be followed by the authors' full names, academic or professional affiliations, and the address of the laboratory where the work was carried out. If the present address of an author is different from that mentioned, it should be given in a footnote. Acknowledgements of financial support are not to be made in a footnote to the title or name of the author, but should be included in the Acknowledgements at the end of the paper.

#### Abstract and keywords

All articles should have an Abstract of 50–100 words which clearly and briefly indicates what is new, different and significant. No references should be given. A list of keywords should be added.

#### Introduction

Every paper must have a concise introduction that mentions what has been done before on the topic, with appropriate references, and that states clearly what is new in the paper now submitted.

#### Experimental

The Experimental section should contain sufficient information for others to repeat the experiments. Whereas general conditions can usually best be specified in the Experimental section, it is often better to give specific details in the figure captions. Appendix 1 lists what should typically be specified.

#### Tables and illustrations

Although appropriate tables and illustrations contribute to a clear and concise presentation of results, they should not merely repeat data already given in the text. References to the illustrations and tables should be included in appropriate places in the text by Arabic numerals.

Tables should be typed (in double spacing) on separate pages, and numbered in Roman numerals according to their sequence in the text. A brief descriptive heading should be given above each table. Below the heading the experimental conditions should be described. The layout of the tables should be given serious thought, so that the reader can grasp quickly the significance of the results.

Figures should be submitted in a form suitable for reproduction, either drawn in Indian ink on drawing or tracing paper, or as sharp prints [either photographic (glossy) prints or prints from a high-resolution laser printer]. All axes of graphs and chromatograms should be clearly labelled, with full quantitative data, or equivalent information should be provided in the legend. Please note that any lettering should also be in a form suitable for reproduction. Lettering (which should be kept to a minimum) and spacing on axes of graphs should be such that numbers, etc., remain legible after reduction in size. One reproducible copy and three photocopies are required. The figures should preferably be of such a size that the same degree of reduction can be applied to all of them. The size of the

figures should preferably not exceed the size of the text pages. Simple straight-line graphs (such as calibration lines) are not acceptable, because they can readily be described in the text by means of an equation or a sentence. Claims of linearity should be supported by regression data that include slope, intercept, standard deviations of the slope and intercept, standard error and the number of data points; correlation coefficients are optional. Standard symbols should be used in line drawings; the following are available to the typesetters and can also be used in the legends: filled or open squares, triangles, circles or diamonds, + or  $\times$ .

Photographs should have good contrast and intensity. Sharp, glossy photographs are required to obtain good halftones. References to the illustrations should be included in appropriate places in the text by Arabic numerals and the approximate position of the illustration should be indicated in the margin of the manuscript. Each illustration should have a caption, all the captions being typed (with double spacing) together on a separate sheet.

If structures are given in the text, the original drawings should also be provided.

Submit colour illustrations as original photographs, high-quality computer prints or transparencies, close to the size expected in publication, or as 35 mm slides. Polaroid colour prints are *not* suitable. If, together with your accepted article, you submit usable colour figures then Elsevier will ensure, at no additional charge, that these figures will appear in colour on the web (e.g., ScienceDirect and other sites) regardless of whether or not these illustrations are reproduced in colour in the printed version. For colour reproduction in print, you will receive information regarding the costs from Elsevier after receipt of your accepted article. For further information on the preparation of electronic artwork, please see http://authors.elsevier.com/artwork

The written permission of the author and publisher must be obtained for the use of any figure already published. Its source must be indicated in the legend. For further information regarding artwork, please visit the website: www.elsevier.com/locate/authorartwork

#### Nomenclature, symbols, abbreviations and units

Widely accepted symbols, abbreviations and units (SI) should be used. If there is any doubt about a particular symbol or abbreviation, the full expression followed by the abbreviation should be given the first time it appears in the text. Abbreviations used in tables and figures should be explained in the captions. In general, the recommendations of the International Union of Pure and Applied Chemistry (IUPAC) should be followed and attention should be given to the recommendations of the Analytical Chemistry Division in the journal Pure and Applied Chemistry: Nomenclature for Chromatography, Pure Appl. Chem., 65 (1993) 819–872. Decimal points should be indicated by full stops. All decimal numbers smaller than unity should include a leading zero (e.g. 0.11). Company-specific research codes for compounds should not be used; after a full definition of the compound (possibly including such codes) in the Introduction, it may be further indicated by a bold-face Roman or Arabic numeral.

#### References

References should be numbered in the order in which they are cited in the text, and listed in numerical sequence on a separate sheet at the end of the article. The numbers should appear in the text at the appropriate places in square brackets. In the reference list, periodicals [1], monographs [2], multi-author books [3], and proceedings [4] should be cited in accordance with the following examples:

[1] S. Chellam, M.R. Wiesner, J. Membrane Sci. 138 (1998) 83.

- [2] T.R. Bott. Fouling of Heat Exchangers. Elsevier, Amsterdam, 1995.
- [3] C.H. Foyer, in R.G. Alscher, J.L. Hess (Editors), Antioxidants in Higher Plants. CRC Press, Boca Raton, FL, 1993, p. 31.
- [4] A. Veide, C. Hassinen, D. Hallen, M. Eiteman, B. Lassen, K. Holmbert, in R.D. Rogers, M.A. Eiteman (Editors), Proceedings of the American Chemical Society Symposium on Aqueous Biophasic Separation. Plenum Publishers, New York, NY, 1995, p. 133.

Abbreviations for the titles of journals should follow the system used by Chemical Abstracts. Articles not yet published should be given as "in press" (journal should be specified), "submitted for publication" (journal should be specified), "in preparation" or "personal communication".

Vols. 1–651 of the Journal of Chromatography; Journal of Chromatography, Biomedical Applications and Journal of Chromatography, Symposium Volumes should be cited as J. Chromatogr.

From Vol. 652 on, Journal of Chromatography A (incl. Symposium Volumes) should be cited as J. Chromatogr. A and Journal of Chromatography B as J. Chromatogr. B.

#### Dispatch

Before dispatch of the manuscript please check that the envelope contains four copies of the paper complete with references, legends and figures, and a disc with the electronic version of the manuscript. One of the sets of figures must be the originals suitable for direct reproduction. Please also ensure that permission to publish has been obtained from your institute.

#### Proofs

One set of proofs will be sent to the author to be carefully checked for printers' errors. Only typesetter's errors may be corrected. No changes in, or additions to, the edited manuscript will be accepted.

To ensure the fastest possible publication, proofs are sent to authors by e-mail or air mail and must be returned by e-mail, fax, courier, or airmail to the Log-In Department (Fax: +353-61-709110; e-mail: esillogin1@elsevier.com; office address for courier service: *Journal of Chromatography*, Elsevier Ireland Ltd., Log-In Department, Elsevier House, Brookvale Plaza, East Park, Shannon, Co. Clare, Ireland). *If this is not done, the article will be passed for publication with house corrections only*.

#### Reprints

Twenty-five reprints of Regular research papers, Reviews, Short Communications, Discussions, Technical Notes and Letters to the Editor will be supplied free of charge. Additional reprints can be ordered. The order form containing price quotations will be sent to the authors together with a copyright transfer form upon acceptance of the manuscript.

188

#### • Important information

- For information on editorial matters (including submission, reviews and revision of manuscripts) please contact: Editorial Office, *Journal of Chromatography*, P.O. Box 681, 1000 AR Amsterdam, The Netherlands; Tel.: (+31-20) 4852794; Fax: (+31-20) 4852304; E-mail: chrom-eo@elsevier.nl

- For specific enquiries on the preparation of electronic artwork, consult http://www.elsevier.com/locate/authorartwork/

- Visit the Author Gateway from Elsevier (http://authors.elsevier.com) for the facility to track accepted articles and set up e-mail alerts to inform you of when an article's status has changed. The Author Gateway also provides detailed artwork guidelines, copyright information, frequently asked questions and more.

Contact details for questions arising after acceptance of an article, especially those relating to proofs, are provided when an article is accepted for publication

- For orders, claims and product enquiries; please contact the Customer Service Department at the Regional Sales Office nearest you:

**Orlando:** Elsevier, Customer Service Department, 6277 Sea Harbor Drive, Orlando, FL 32887-4800, USA; phone: (+1) (877) 8397126 [toll free number for US customers], or (+1) (407) 3454020 [customers outside US]; fax: (+1) (407) 3631354; e-mail: usjcs@elsevier.com **Amsterdam:** Elsevier, Customer Service Department, PO Box 211, 1000 AE Amsterdam, The Netherlands; phone: (+31) (20) 4853757; fax: (+31) (20) 4853432; e-mail: nlinfo-f@elsevier.com

Tokyo: Elsevier, Customer Service Department, 4F Higashi-Azabu, 1-Chome Bldg, 1-9-15 Higashi-Azabu, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5037; fax: (+81) (3) 5561 5047; e-mail: jp.info@elsevier.com

Singapore: Elsevier, Customer Service Department, 3 Killiney Road, #08-01 Winsland House I, Singapore 239519; phone: (+65) 63490222; fax: (+65) 67331510; e-mail: asiainfo@elsevier.com

#### Appendix 1: Experimental conditions to be specified

Experimental conditions should preferably be given on a separate sheet, headed "Conditions". These conditions will, if appropriate, be printed in a block, directly following the heading "Experimental".

#### General

*Chemicals.* Supplier (+ city/town, state, country) and degree of purity of all less common chemicals; EC number of enzymes; optical purity of enantiomers. *Equipment.* Model and manufacturer (+ city/town, state, country) of commercial instruments (e.g. chromatographs and detectors). For instruments that are not commercially available, sufficient detail (or a reference) should be given to allow others to construct their own instrument. Detection parameters (e.g. type, wavelength, attenuation, linearity range, limit of detection at a specified signal-to-noise ratio).

Sample preparation. Application papers should contain full details (or a reference) of the method of sample preparation. For centrifugation steps, give details of g value and time. Injection device and volume and concentration of the injected sample should be specified.

#### Column liquid chromatography

*Column.* Column dimensions (length  $\times$  internal diameter), manufacturer and location, packing material (for non-commercial columns or columns that are not widely used the chemical composition should be specified), particle diameter, pore diameter, column temperature.

*Mobile phase*. Complete and unambiguous description of the mobile phase composition or procedure for its preparation; pH; flow-rate; gradient programme. k values. When reporting values, the method for determining the hold-up time ( $t_0$ ) must be described.

#### Gas chromatography and supercritical fluid chromatography

*Column.* In addition to the parameters mentioned for column liquid chromatography, specify type of column (packed, capillary, etc.) support material, film thickness of the stationary phase, and surface modification, if applicable.

Carrier gas. Type, purity, flow-rate or inlet pressure (bar or MPa).

Temperature. All relevant temperatures (or temperature programmes) should be detailed.

#### Planar chromatography

Chamber. Internal dimensions, manufacturer and location, saturation, temperature, humidity.

Thin layer or paper. Manufacturer and location, material, dimensions, type (laboratory-prepared or commercially precoated) and thickness of layer, additives (fluorescent indicator, binder), position of starting line, development mode, method of activation.

Solvent. Composition of solvent, monophasic or upper or lower phase of two-phase mixture, total volume.

Sample. Application method, size of spot or streak, solvent and amount of solute and volume of solution applied.

Detection. Spray reagent, wavelength, details of colours,  $R_F$  values.

#### Electrophoresis

*Matrix.* For example, cellulose acetate, agarose, polyacrylamide; gel concentration; percentage cross-linker; dimensions and material of tube, sheet, etc., surface modification, length between column inlet and detector, temperature.

Buffers. Complete and unambiguous description of buffers used, pH and how the pH was set or adjusted.

Other. Injection method, voltage, current. In electropherograms, anode and cathode should be indicated.

#### Mass spectrometry

Inlet system. Direct on-line, off-line, postcolumn splitting, postcolumn buffer or matrix addition.

Source. Ionization energy, temperature, trap current, reagent gas. For LC interfaces, complete and unambiguous description of the same and their operating parameters (vaporizer and capillary temperature, buffers, nebulizing, auxiliary or ionizing gases, gas pressures, source and interface voltages, up-front CID voltages.

Mass analyzer. Accelerating voltage, scan mode, collision gas for tendem MS work, collision gas pressure, collision energy, resolution and mass range. Detection. Electron multiplier voltage and/or electometer gain, ions monitored in SIM and dwell times.

#### Appendix 2: Conversion table for the non-SI units most frequently used

The use of some non-SI units has been accepted for practical reasons; to this category belong units for time (min, h), volume (1), pressure (1 bar =  $10^5$  Pa), temperature (°C), energy (1 eV  $\approx 160 \ 219 \cdot 10^{-21}$  J), mass (1 u  $\approx 1.66053 \cdot 10^{-27}$  kg) and activity (1 Ci =  $3.7 \cdot 10^{10}$  Bq). This journal also accepts Å (= 0.1 nm). Concentration should formally be expressed in mol dm<sup>-3</sup> or mol l<sup>-1</sup>, but the symbol *M* is accepted; normality (*N*) should not be used, however. The frequently used "daltons" are not compatible with the SI system — the relative molecular mass (*M<sub>t</sub>*) should be given as a value only (dimensionless). Gravitational force must be expressed in *g*; rpm is not allowed for centrifugation (but it is, e.g., for vortex mixing). The table below summarizes some conversion factors; to obtain the value in SI units, the value in non-SI units should be multiplied by the factor.

Physical quantity	Type of conversion	Factor
Length	in. $\rightarrow$ cm	2.54
	ft. $\rightarrow$ cm	30.4801
Area	$in.^2 \rightarrow cm^2$	6.451626
Mass	lb. $\rightarrow$ kg	0.45359237
Volume	gallon (USA) $\rightarrow 1$	3.785332
	gallon (UK) $\rightarrow 1$	4.54609
Pressure	$atm \rightarrow Pa$	101 325
	mmHg or Torr $\rightarrow$ Pa	133.322
	$mmH_2O \rightarrow Pa$	9.80665
	$kp \ cm^2 \rightarrow Pa$	98066.5
	lbs. in. <sup>-2</sup> or p.s.i. $\rightarrow$ Pa	6894.76

Other frequently used non-SI "units" are ppm, ppb and ppt. When used in this journal, the American billion  $(10^9)$  and trillion  $(10^{12})$  are meant. The use of ppm, ppb and ppt is *only* permitted if they refer to mass/mass or volume/volume ratios; they should **not** be used for mass/volume ratios. The first time such a "unit" appears in an article, it should be indicated whether it refers to mass/mass or to volume/volume.

#### Appendix 3: Abbreviations and symbols that may be used without definition

Abbreviations and symbols should not be used in article titles. Please note that most abbreviations should only be used in combination with a value, or in structural formulae.

Abbreviations	
A, C, G, T	adenine, cytidine, guanine, thymine
Ac, OAc	acetyl, acetate
A/D	analog-to-digital
ADP, AMP, ATP, and similar nucleoside phosphates	adenosine 5'-di-, -mono-, triphosphate, etc.
a.c.	alternating current
amino acids	standard 3- and 1-letter codes
AU	absorbance units
BET	Brunauer—Emmett—Teller
b.p.	boiling point
Bu	butyl
cpm	counts per minute
CE	capillary electrophoresis
d, m, p, r, t (in nucleosides/ nucleotides/nucleic acids)	deoxy, messenger, phosphate, recombinant/ ribosomal, transfer
d.c.	direct current
DDD, DDT, DDE	di-, trichloro-bis(chlorophenyl)ethane, -ethylene
DEAE	diethylaminoethyl
DNA, DNase	deoxyribonucleic acid, deoxyribonuclease
Dns, dansyl	5-dimethylaminonaphthalene-1-sulfonyl
DOPA	3,4-dihydroxyphenylalanine
dpm	desintegrations per minute
EC	enzyme commission numbering system

#### 190

EDTA	ethylenediaminetetraacetate, -acetic acid
equiv.	equivalent
Et	ethyl
FS	full scale
FSOT	fused-silica open tubular
FT	Fourier transform
GC, GLC, GSC	gas chromatography, gas-liquid chromatography, gas-solid chromatography
HP	high-performance
I.D.	internal diameter
IgG	immunoglobulin G
i.m.	intramuscular
i.p.	intraperitoneal
IR	infrared
I.S.	internal standard
I.U.	international unit
i.v.	intravenous
LC	liquid chromatography
LD	lethal dose
Me	methyl
m.p.	melting point
MS	mass spectrometry
NAD, NADH (NADP, NADPH)	nicotinamide—adenine dinucleotide (phosphate)
NMR	nuclear magnetic resonance
O.D.	outer diameter
Ph Pr	phenyl
PT PTFE	propyl poly(tetrafluoroethylene)
RNA, RNase	ribonucleic acid, ribonuclease
RP	reversed-phase
rpm	revolutions per minute
RSD	relative standard deviation (preferred over coefficient of variation)
SD	standard deviation
TLC	thin-layer chromatography
Tris	tris(hydroxymethyl)aminomethane
u	atomic mass units (reference to mass of <sup>12</sup> C; preferred over a.m.u./amu:
	reference to mass of $^{16}$ O)
UV	ultraviolet
vol., v/v	volume, volume/volume
Vis	visible
WCOT	wall-coated open tubular
wt., w/w, m/m	mass, mass/mass
Symbols	
A	peak area or absorbance
α	separation factor
$D = d_{\mathrm{f}}$	diffusion coefficient film thickness
$d_{\rm f}$ $d_{\rm p}$	particle diameter
up E	interparticle porosity or molar adsorptivity
F	mobile phase flow-rate
$\Delta G^0$	standard Gibbs free energy change
$\Delta H^0$	standard enthalpy change
Н	plate height
h	reduced plate height
J	coupling constant
Κ	equilibrium constant
k	retention factor
$K_{ m c}$	distribution constant (preferred over partition coefficient)
L	length
λ	wavelength
$M_{ m r}$	(relative) molecular mass
μ	electrophoretic mobility
N	number of plates
n	number of determinations
η	viscosity pressure or probability
p P	relative pressure
1	DARLING DIENNIE
	ionatio prosonio

р	negative logarithm of (as in pH, pI, $pK_a$ )
r.	relative retention or correlation coefficient
R	molar gas constant
R <sub>F</sub>	retardation factor
-	
$R_M$	$\log\left(1/R_F-1\right)$
R <sub>s</sub>	resolution
ρ	density
$\Delta S^0$	standard entropy change
S/N	signal-to-noise ratio
Т	temperature
t	time
$t_0$	retention time of unretained compound
$t_{\rm R} \ (t'_{\rm R})$	(adjusted) retention time
и	mobile phase velocity
$V_0$	retention volume of unretained compound
$V_{\rm R} (V'_{\rm R})$	(adjusted) retention volume
Wb	peak width at base
Wh	peak width at half height

The complete and regularly updated version of the Instructions to Authors can be found on the homepage of the Journal of Chromatography: http://www.elsevier.com/locate/chrom