

GEOCHEMICAL JOURNAL

Information for Authors

INFORMATION FOR CONTRIBUTORS

I. General

Geochemical Journal is an international journal devoted to original research papers in geochemistry and cosmochemistry.

Submission to *Geochemical Journal* is taken to mean that all the listed authors have agreed all the content. The corresponding author is responsible for having ensured that this agreement has been reached.

Manuscripts should be submitted online by the corresponding author at <https://www.editorialmanager.com/gj/>. The *Geochemical Journal* editorial office may be reached at gj@geochem.jp.

Papers submitted will be judged from the standpoint of scientific originality and novelty. An Associate Editor specializing in the subject area will arrange for a review of paper and will communicate directly with the authors; (Some papers are handled by the Executive Editor or the Vice Executive Editor.) The Executive Editor and the Vice Executive Editor, however, reserve the final decision on publication.

Papers must not have been previously published. Authors must agree not to submit elsewhere a paper submitted to and accepted by *Geochemical Journal*. *Geochemical Journal* publishes papers in six categories: invited reviews, articles, notes, express letters, data and critical comments. "*Invited Reviews*" are solicited by the Editor, and provide a synthesis of a major area of interest. "*Articles*" are the principal mode of reporting research. "*Notes*" are short reports intended mainly for data presentation to benefit the geochemistry community. "*Express Letters*" are short, timely papers which report a new idea, experimental method, discovery, invention or so on. "*Express Letters*" should not exceed six printed pages, including all tables, figures and references. "*Data*" are analytical reports of valuable geochemical data and datasets (database), which are of international interest to the geochemical research and contribute to the development of the field. The category does not call for a new scientific discovery but provides scientifically meaningful and reliable datasets. "*Critical Comments*" may also be submitted on a paper previously published in *Geochemical Journal*. The author of the original paper will be given the opportunity to prepare a reply.

II. Script Requirements

1. Papers must be written in English. The manuscript must be typewritten or computer-printed on A4 paper, double-spaced, and with a wide margin on each side. Authors are requested to include a telephone number, fax number and e-mail addresses of the corresponding author and a list of five suggested reviewers (names, addresses, and e-mail addresses) in a cover letter. Original drawings of illustrations should not be sent until the final revised manuscript is submitted to the publisher for printing.
2. Authors are encouraged to submit to *Geochemical Journal* by online at <https://www.editorialmanager.com/gj/>. Send files containing the same items as requested above (the entire manuscript and a separate file containing the cover letter) in either PDF or MS-Word format. Authors are advised not to use fonts other than Times, Times New Roman, and Symbol in the electronic file.
3. The text should be concise and readily understandable. The technical description of the methods used should only be given in detail when such methods are new. The essential contents of each paper should be briefly recapitulated in an abstract.
4. Illustrations should be sufficiently clear, large and bold to permit reproduction at a reduced size suitable for inclusion in the journal. All illustrations should be numbered consecutively and referred to in the text. Figure captions should be provided on a separate sheet.

- References in the text should be given by quoting the author's name and year of publication. Full references should be listed at the end of each paper, in alphabetical-chronological order and double-spaced. A template of EndNote is available at <http://endnote.com/downloads/style/geochemical-journal>.
- Manuscripts should be organized in the order; title, abstract, text, acknowledgments, references, tables, figure captions, figures.

EXTENDED INSTRUCTIONS TO AUTHORS

Detailed instructions for submission to *Geochemical Journal* — July 2009

Scope and overview

Geochemical Journal is an international peer-reviewed journal devoted to original research papers in geochemistry and cosmochemistry. It is the primary journal of the Geochemical Society of Japan. Areas of research are as follows:

Cosmochemistry,
Mineral and Rock Chemistry,
Volcanology and Hydrothermal Chemistry,
Isotope Geochemistry and Geochronology,
Atmospheric Chemistry,
Hydro- and Marine Chemistry,
Organic Geochemistry,
Environmental Geochemistry

Papers submitted will be judged from the standpoint of scientific originality and novelty. Papers are expected to provide unique and important new ideas or information on geochemical and cosmochemical problems and to give implication of broad rather than local significance to the geochemical community.

Submission Procedure

Submission to *Geochemical Journal* is taken to mean that all the listed authors have agreed all the content. The corresponding author is responsible for having ensured that this agreement has been reached.

Manuscripts should be submitted online by the corresponding author at <https://www.editorialmanager.com/gj/>. The *Geochemical Journal* editorial office may be reached at gj@geochem.jp. The manuscripts processed by the Editorial Office receive a consecutive number in the format GJ1XXX (ex. GJ1108). Please use always this number in all your correspondence with the Editors.

Evaluation Procedure

An Associate Editor specializing in the subject area will arrange for a review and will communicate directly with the authors (some papers are handled by the Executive Editor or the Vice Executive Editor). The Executive Editor and the Vice Executive Editor, however, reserve the final decision on publication. If a paper is considered to be very important, the Executive Editor, the Vice Executive Editor and the Associate Editors will assist rapid publication by reviewing the paper. If the Associate Editor asks to revise the text, the revised version should be submitted within a certain time limit:

Minor revision - 1 month
Major revision - 3 months

After this period, the article will be regarded as a new submission.

Papers must not have been previously published. Authors must agree not to submit elsewhere a paper submitted to and accepted by *Geochemical Journal*. If some part of the paper have been submitted or published elsewhere, the authors are required to disclose it and to explain the reason for including those sections.

Proofs will be supplied to the author for final correction before publication. A reprint order form will be sent

with the proofs.

Categories of published papers

Geochemical Journal publishes papers in five categories: Invited Reviews, Articles, Notes, Express Letters, Data, and Critical Comments.

Invited Reviews

The Editor exclusively solicits these papers. Unsolicited Reviews will be automatically discarded. Invited Reviews provide summaries of scientific progress in selected frontier fields and provide new interpretation. The aim of Invited Reviews is to enhance the understanding and to promote the interaction among major areas of the geochemical community.

Articles

They are the principal mode of reporting research. They present important new results and deal with major studies that address a significant area of interest to the readers. They should be as concise as possible. Text cannot exceed 6500 words excluding abstract, acknowledgements, references and figure captions, not more than 80 references, and not more than a total of 10 figures plus tables. Large tables should be submitted as part of Supplementary Material. Abstract should not exceed 350 words. Papers exceeding the size requirements could be send back to authors for changes, before evaluation procedure starts.

Notes

These are short reports intended mainly for data presentation to benefit the geochemistry community. Short papers dealing with new idea and/or new experimental method are also accepted as Notes. Text should not exceed 1500 words. Abstract should be of 150 words. The paper should include not more than 10 references and 3 figures. Tables, if any will be printed as Supplementary Material.

Express Letters

These are short, timely papers which report a new idea, experimental method, discovery, invention. They should not exceed 6 printed pages, including all tables, figures and references. The editors will assist rapid publication of Express Letters, and papers of this category will normally be published within two months after submission. Text should be not more than 6 printed pages including abstract (250 words), acknowledgements, references and figure captions. A maximum of 20 references and 2-3 figures are accepted plus tables.

Data

These are analytical reports of valuable geochemical data and datasets (database), which are of international interest to the geochemical research and contribute to the development field. The category does not call for a new scientific discovery but provides scientifically meaningful and reliable datasets.

Critical Comments

They may also be submitted on a paper previously published in *Geochemical Journal*. The author of the original paper will be given the opportunity to prepare a reply. Critical comments and replies are reviewed and edited as Articles.

Special Issues

Groups of papers on a particular topic will be published together by previous arrangement with the Executive Editor in a Special issue of *Geochemical Journal*.

Manuscript Format and Text Requirements

The Executive Editor and Vice-Executive Editor will assume the responsibility to reject automatically manuscripts that are not properly organized, following the basic requirements here below illustrated.

1. Papers must be written in good English (American or British usage is accepted, but not a mixture of both). The text should be concise and readily understandable. The manuscript must be typewritten or computer-printed on A4 paper, double-spaced and single column format and with a margin of at least 2.5 cm on each side. Both hardcopy and electronic manuscripts should use standard 12-point fonts Times, Times New Roman and Symbol.

To assist reviewers, please add continuous line numbering to your manuscript.

The first page should contain the title, author list, permanent addresses of all authors and telephone number, fax number and e-mail address of the corresponding author. Please add also five keywords. The technical description of the methods used should only be given in detail when such methods are new. The essential contents of each paper should be briefly described in the abstract.

2. Authors are requested to send with the manuscript a Cover Letter briefly describing the subject, aim and major findings of the submitted paper. The Cover Letter should include also the phone and fax numbers and e-mail address of the corresponding author and a list of five suggested reviewers (names, addresses and e-mails). Authors can also demand to exclude some potential reviewers but they have to clearly explain the reasons of their exclusion in the Cover Letter.
3. Four hard copies of the text and illustrations are required if submitted by mail. Original drawings of illustrations should not be sent until the final revised manuscript is submitted to the publisher for printing. Authors are also requested to send an electronic version of the manuscript (abstract, text, and tables in Word format and figures in PS/EPS/AI/JPG/TIFF or BMP format) when the paper has been accepted.
4. Manuscripts should be submitted online by the corresponding author at <https://www.editorialmanager.com/gj/>. The *Geochemical Journal* editorial office may be reached at gj@geochem.jp. Submit a file containing the same items as requested above (the entire manuscript and a separate file containing the cover letter) in Word format .DOC or in PDF format. Figures can be included in a Word file or in a PDF file. Please avoid large files exceeding 3 M by reducing the pixel resolution or the size for initial submission. Larger file sizes will be accepted after acceptance for publication of the manuscript.

For the revised version of the manuscript and the final version to the publisher, it is strongly recommended to the authors to rename their files using the *Geochemical Journal* number assigned.

Example: GJ0236_Text. GJ0236_Figure1.tiff, GJ0236_Table1.pdf etc.

5. Tables should be prepared in Word format. The tables should be properly organized following as possible the final format here below reported as an example. Notes to the table should be listed using lettering and put as footnote below the table.

Table 2. Whole-rock analysis of waste rocks and precipitates

Sample	SiO ₂	Al ₂ O ₃	Fe ₂ O ₃	MnO	MgO	CaO	Na ₂ O	K ₂ O	TiO ₂	P ₂ O ₅	LOI	S	Sb	As
	(g/kg solid)											(mg/kg solid)		
W1	573	153	79	1	17	25	12	15	8	5	112	nd	12.5	875
P4-1	23	7	580	0	1	1	nd	0	0	1	372	27.6	371	1200
W4	635	161	57	0	4	2	3	32	8	2	87	2.4	68.2	720
W7-1	647	172	25	0	5	7	9	31	8	0	84	2.9	129	>2000
W7-2	639	145	59	1	8	11	9	26	8	1	84	3.4	91.9	>2000
P9	100	39	567	0	3	2	nd	6	1	6	264	22.5	101	>2000

Note: LOI = loss of ignition; nd = not detected.

6. Manuscripts should be organized in the order; title, abstract, text, acknowledgments, references, tables, figure captions, figures. Manuscripts not properly organized will be sent back to authors for correction before reviewing.
7. Final version of the illustrations should be prepared on separate sheets, in PS/EPS/AI/JPG/TIFF or BMP format. PDF format should be preferred for the initial submission only. They should be clear, large and bold to permit reproduction at a reduced size suitable for inclusion in the journal. Arial or Helvetica should be preferred for lettering. All illustrations should be numbered consecutively and referred to in the text. Figure captions should be provided on a separate sheet. Color reproduction is available, but the cost is borne by the author. The charge for a color figure is 100,000 yen per page (approx. 1000 US\$).
8. Responsibility for the accuracy of bibliographic citations lies entirely with the Authors. References in the text should be listed at the end of each paper in alphabetical-chronological order as illustrated by the following list. When listing several papers by the same author, some of which are multi-authored, the sequence should be: first author only, chronological; two authors, alphabetical on second author; for three or more authors (cited as first author et al. in text), chronological. Note that authors' names are in capitals and lower cases throughout the paper and that there are commas separating the authors' last names and initials. A template of EndNote is available at

<http://endnote.com/downloads/style/geochemical-journal>.

For example:

Scott, A. B. (1993)

Scott, A. B. (1999)

Scott, A. B. and Butler, E. F. (1994)

Scott, A. B. and Glasby, C. D. (1990)

Scott, A. B., Glasby, C. D. and Butler, E. F. (1996)

Scott, A. B., Butler, E. F. and Glasby, C. D. (1999)

References must be in the following format:

Journal:

Masuda, A. and Akagi, T. (1989) Lanthanide tetrad effect observed in leucogranites from China. *Geochem. J.* 23, 245-253.

Book:

Ozima, M. and Podosek, F. A. (1983) *Noble Gas Geochemistry*. Cambridge Univ. Press, 367 pp.

Chapter in a Book:

Simoneit, B. R. T. (1978) The organic chemistry of marine sediments. *Chemical Oceanography 7* (Riley, J. P. and Chester, R., eds.), 233-311, Academic Press.

Abstract:

Maruoka, T., Matsuda, J. and Kurat, G. (1998) Xenon-HL in the Magura IAB iron meteorite (abstract). *Meteorit. Planet. Sci.* 33, A97.

Proceedings of an Annual Conference:

Taylor, L. A., Onorato, P. I. K. and Uhlmann, D. R. (1977) Cooling rate estimations based on kinetic modeling of Fe-Mg diffusion in olivine. *Proc. Lunar Sci. Conf.* 8th, 1581-1592.

Thesis:

Hashizume, G. (1963) Change in calcium carbonate polymorphs by grinding. Dr. Sci. Thesis, Osaka City Univ., 135 pp. (in Japanese).

When the reference is not written in English, a note such as "(in Japanese)" or "(in Japanese with English abstract)" should be added at the end of the reference's title. A template of EndNote is available at <http://endnote.com/downloads/style/geochemical-journal>.

Submission checklist

Before to submit a manuscript you should ensure that the following items are present:

- A Cover Letter in .DOC or .PDF format containing the following information:
 - A brief description of the content of your manuscript;
 - Complete address of the Corresponding Author including phone, fax and email;
 - A list of 5 suggested reviewers with their phones and emails.
- The manuscript - Text, Tables and Figures - has been formatted in Word (.DOC). Alternatively the Text could be formatted in Word (.DOC), tables in .DOC or .PDF and figures in .PDF in separate file(s).
- First page of the manuscript contains
 - Title;
 - Full name of all authors with their permanent addresses;
 - Phone number, fax number and email of the Corresponding Author;
 - Five keywords.
- The manuscript has been written on A4 size, double-spaced and single column format, with a margin of at least 2.5 cm on each side and using 12-point Times, Times New Roman and Symbol. The entire text should be line-numbered.
- The manuscript has been organized in: title, abstract, text, acknowledgments, references, tables, figure captions, figures.
- Manuscript has been "spellchecked".
- References are in the correct format for this journal.

- All references mentioned in the Reference list are cited in the text, and vice versa.

DETAILED INFORMATION FOR CONTRIBUTORS TO "EXPRESS LETTERS" CATEGORY

No page charge, even for color pages.

Quick reviews: within one month.

Quick publication on the GJ home pages: within 2 months.

Free PDF file provided to each author.

Additionally printed in the last issue of the volume with B/W figures.

General

Submission to *Geochemical Journal* is taken to mean that all the listed authors have agreed all the content. The corresponding author is responsible for having ensured that this agreement has been reached.

Manuscripts for the Journal should be submitted online by the corresponding author at <https://www.editorialmanager.com/gj/>. Authors, of any nationality, not necessarily members of the Geochemical Society of Japan are welcomed. Only papers not previously published will be accepted, and emphasis is placed upon originality and novelty. The text should be clear and concise, and detailed technical descriptions shall be given only when the methods are new.

Manuscript Preparation

Manuscripts should be written in English and should be typed with double spacing. Total length should not exceed 6 pages in print, including figures and tables. Six printed pages can accommodate approximately 5,500 words. The length should be adjusted taking into account of the size of figures and tables. For instance, one figure (80 × 100 mm in size) is equivalent to approximately 230 words. Each manuscript should be organized in the following order: title, author's full name, affiliation, abstract, five keywords, text, acknowledgment, appendix, references. An abstract of not more than 250 words is requested. The abstract should be informative and include the principal findings and conclusions. PDF proofs will be sent to the author by e-mail, to be checked for printer's errors. After checking proofs, authors should send a list of corrections. References should be given in the text by quoting the author's name and the year of publication, i.e., Scott (1993). Full references should be listed in alphabetical order at the end of each paper. A template of EndNote is available at <http://endnote.com/downloads/style/geochemical-journal>.

Formats of manuscript

Acceptable formats are PDF (Portable Document Format), and MS Word.

Formats of figures

Acceptable formats are TIFF, PICT, PostScript (PS and EPS), and PDF. When including labels in figures, please use Helvetica font whenever possible.

Color Bitmap Images:	350 dpi
Grayscale Bitmap Images:	350 dpi
Monochrome Bitmap Images:	800 dpi
Compress Text and Line Art:	Yes

Please embed all fonts.

Final manuscript

After acceptance, authors will be requested to provide production-quality electronic figures and the file of the manuscript in PDF and MS Word formats.

Correspondence

Any correspondence should be addressed to:

Professor Katsuhiko Suzuki, Submarine Resources Research Center, JAMSTEC, Japan, E-mail: gj@geochem.jp

Potential Referees

Five potential referees should be indicated with their email addresses to facilitate reviews.

DETAILED INFORMATION FOR CONTRIBUTORS TO "DATA" CATEGORY

General

The "data" category includes the following three types of manuscripts; scientific report, database, and compilation dataset. The category calls for analytical reports of valuable geochemical data and datasets (databases) that are of international interest to geochemical research and contribute to its development. For example, scientific reports of chemical compositions and isotope ratios of internationally available geochemical reference materials and extraterrestrial materials. The category does not call for a new scientific discovery, but provides scientifically meaningful and reliable datasets. The submitted manuscript is reviewed in terms of the value of the data and its utility. In particular, the validity and rigidity of experimental and observational procedures, data generation processes, and statistical processes are reviewed by specialists.

Manuscript Preparation

Manuscripts should be written in English. Each manuscript should be organized in the following order: title, authors' full names, affiliations, abstract, keywords, text, acknowledgments, appendix, references, figure captions, tables, figures, and supplementary material. The SI units should be used according to the International Union of Pure and Applied Chemistry (IUPAC) guidelines.

Abstract should not exceed 350 words and should be followed by five keywords. The introduction must provide a background of the data, database and potential benefits. Methods should include detailed analytical procedures, experimental design, and computational calculation, that are easily reproducible. Technical validation and statistical processing of data or alternative criteria of data must be described to support quality control, such as statistical analyses of experimental error and variation. The Results and Discussion should include chemical compositions and isotope ratios of internationally available geochemical reference materials or alternative reference materials to evaluate the accuracy of the data. It is highly recommended that some applications of datasets are discussed. The following items are optional, but would be informative: (i) usage notes of the datasets to assist researchers, such as information on database design, structure, contents, and uniform resource locator (URL), (ii) file format, and (iii) instructions for users. Large tables and supportive figures should be submitted as a part of the Supplementary Material.

Formats of the manuscript, figures, and tables

Acceptable manuscript formats are PDF and MS Word. The acceptable formats of the figures are TIFF, PICT, PostScript (PS and EPS), and PDF. The acceptable formats of tables are PDF and MS Word. Large tables of supplementary material in PDF, MS Word, MS Excel, MS Access, XML format, and csv format can be accepted.

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