

INFORMATION FOR CONTRIBUTORS

Submission of papers

Papers should contain previously unpublished work that is not concurrently considered for publication elsewhere. All papers will be independently refereed. Manuscripts should be addressed below;

J. NUCE publishing committee

E-mail: journal@nuce-aesj.org

Manuscripts that do not conform to the following instruction may be rejected.

Types of contribution

The authors have to specify the types of their contribution from the following categories.

RESEARCH ARTICLES:

Accounts of scientific or technological studies of original or constructive nature.

TECHNICAL REPORTS:

Accounts of new experiences or results, not necessarily of original, but of practical value.

TECHNICAL DATA:

Accounts containing information judged to be worth publication for their scientific or technological interest.

REVIEW:

Accounts of academic, technical or social aspect judged to be of importance.

PROCEEDINGS OF LECTURE:

Proceedings of the lecture sponsored by the Division of Nuclear Fuel Cycle and Environment.

Manuscripts

Manuscripts should be double-spaced, typewritten in English. Preparation of manuscripts using Microsoft Word (text), MS-Excel (Tables and Figures) and MS-Power Point (Tables and Figures) is recommended.

The first page should contain only the types of contribution, the title, the name and affiliation of each author, the contact person's name, address, telephone and fax numbers, and e-mail address. The second page should contain referees to be recommended, including their names, affiliations, telephone and fax numbers, and e-mail addresses. The third page should contain an abstract, stating briefly the purpose, method and results of the paper, followed by about ten Keywords.

Care must be taken to ensure that all symbols are legible,

upper and lower case letters are distinctive, superscripts and subscripts are identifiable, and that Greek letters are distinguishable. Typographical instructions can be added in red, if necessary. The SI system should be used for all scientific and laboratory data. The position of each figure and table should be indicated on the right-hand margin of the text.

Headings and footnotes

Use 1, 2...for major, 1.1, 1.2,...for secondary, 1.1.1, 1.1.2,... for tertiary, and (1), (2),...for fourth headings. Footnotes in the text should be marked by 1), 2),..., thus¹⁾ and²⁾, and placed at the foot of the page.

Abbreviations

Standard abbreviations are acceptable in the text but must not appear in the title of the paper. For local or coined abbreviations, at first usage, the original term must be spelt out and be enclosed in parentheses, *e. g.*, "JPDR (Japan Power Demonstration Reactor)".

Equations

The spacing and alignment of symbols in equations should be checked, especially when some symbols are hand-lettered in a partially typed equation. Equation numbers should be Arabic numerals enclosed in parentheses on the right-hand margin.

Figures

Graphs, illustrations and photographs are all considered as figures and should be numbered with Arabic numerals like "Fig. 1" or "Photo 1" in order of appearance. Each figure must have a descriptive title, and all figure titles should be listed on a separate sheet. Graphs and illustrations will be reduced to fit one column (8 cm) or two columns (17 cm). Figures may be provided that the image is black and very sharp. Color printing is acceptable. In this case, the authors should cover the fee. Lettering should be large and thick enough to be legible after reduction. All illustrations should be identified with the author's name on the back side, if submitted by post.

Tables

Each table should carry a complete title, be numbered in sequence with Arabic numerals like "Table 1", and be typed double-spaced on a separate sheet. Tables should be designed to fit in one column if possible, or two columns at most.

References

Reference call outs should be superdescribed with Arabic numerals in parentheses, consecutively for the whole text. Literature citations should be gathered at the end of the text.

More than three authors can be represented by the first author and “*et al.*”. Authors’ family names should precede their initials or given names, and separated by a comma. Years of publication should be enclosed in parentheses.

Journal article references should include author’s name, article title, journal title, volume number (boldface), initial to final page number, and year of publication. Book reference should include author’s name, book title, edition or volume number if any, publisher, city of publication, initial to final page number, and year of publication. Report references should include author’s name, report title, report name(number), publisher, and year of publication. Proceeding references should include author’s name, article title, meeting title, volume number if any, place and date of meeting, initial to final page number, and year of publication. Titles of journals and meeting can be abbreviated following INIS (Authority List of Journal Titles). Please refer to the following examples or articles in recent issues of the Journal.

- [1] Nordstrom, D. K., Ball, J. W., Donahoe, R. J., Whittenmore, D.: Groundwater chemistry and water-rock interaction at Stripa. *Geochim. Cosmochim. Acta* **53**, 1727-1740 (1990).
- [2] Stumm, W., Morgan, J. J.: *Aquatic Chemistry*, 2nd edn, Wiley Interscience, New York (1981).
- [3] Chen, J. H., Edwards, R. L., Wasserburg, G. J.: Mass spectrometry and application to uranium-series disequilibrium. In: *Uranium-series Disequilibrium: Applications to Earth, Marine, and Environmental Sciences*, 2nd edn. (Ivanovich, M., and Harmon, R. S. eds.) Clarendon Press, Oxford, pp. 174-206 (1992).
- [4] Skålberg, M. *et al.*: Partitioning and transmutation (P-T) 1995: A review of the current state of the art, SKB TR 95-32, Swedish Nuclear Fuel and Waste Management Co.

(1995).

- [5] Rai, D. *et al.*: The solubility of Th(IV) and U(IV) hydrous oxides in concentrated NaHCO₃ and Na₂CO₃ solutions. *Scientific Basis for Nuclear Waste Management XVIII (Mater. Res. Soc. Symp. Proc. Vol. 353)*(Murakami, T. and Ewing, R. C. eds.) Part 2, Kyoto, Japan, October 23-27, 1994, pp. 1143-1158 (1995).

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