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Type of paper

Journal of Ion Exchange ~ Template for Authors~ (Times New Roman 16pt. Bold)

Taro ION [1*], Jiro EXCHANGE [2] and Hanako RESIN [1] (Times New Roman 12pt.)

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(Manuscript received Month#1 Day#1, 2014; accepted Month#2 Day#2, 2014) (The editorial board will fill in these dates).

Abstract

Please include an abstract of ca. 200-300 words for Articles and Review articles, and ca. 100 words for Technological reports and Notes in English. (Times New Roman 9 pt.) □□□

Keywords: Computational chemistry, Extractant, Ion exchange, Molecular structure (Times New Roman 9 pt.)

1. Introduction (Times New Roman 10.5 pt. Bold)

1.1 About this document

This document is the template for submissions of the article for publication in the Journal of Ion Exchange.

1.2 Template settings

The template is used A4 size paper. Page margins should be set at 30 mm top, 30 mm bottom, and 20 mm on either side.

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Please do not set section page breaks.

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The opening title font is Times New Roman 16 pt. Bold. An author's name is in Times New Roman 12 pt..

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In addition, the author should put appropriate superscript numerals to the right and near the top of his or her name, and the corresponding author (contact person) should place an asterisk (*) to the right of the superscript numeral.

2. Notice to Authors of Papers

"Journal of Ion Exchange" is devoted to reporting new and original experimental and theoretical research in the field of ion exchange and its related fields. The manuscript should be prepared in accordance with the following instructions.

2.1 General

Type of Papers

Four types of papers either in English are published: Articles, Notes, Technological reports, and Review articles. In principle, Articles and Technological reports should be no longer than 8 pages in the printed pages and Notes must be no longer than 4 pages.

Articles

Articles are original research papers in the field of ion exchange with complete and scientifically valuable findings or data.

Notes

Notes are short articles with scientifically valuable findings or data.

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Technological reports

Technological reports contain valuable information on new technology or new apparatus.

Review articles

Review articles signifying general articles and lectures are written by invitation of the editorial committee. There is no restriction in the length.

2.2 Submission

The complete manuscript should be sent by e-mail to Professor Ohto by May 31, 2014.

2.3 Refereeing of Manuscripts

All manuscripts submitted are reviewed by referees and an associate editor. The decision to accept a manuscript for publication will be made by the editorial committee. The editorial committee may ask the authors to revise a manuscript. If the revised paper is not submitted within 2 months, the submission will be invalidated.

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The author will receive the galley proof. Revisions other than typographical errors will not be accepted. The corrected proofs must be returned within 2 days.

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3.1 Manuscript

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3.1.4 All papers must include several keywords. Keywords refer to single words, compound words and phrases that help the readers understand, categorize, and search the content.

3.1.5 The text usually consists of the Introduction, Theoretical, Experimental, Results, and Discussion (or Results and Discussion). Some of them may be omitted.

3.1.6 Acknowledgments should be placed at the end of the text.

3.1.7 Terminology should be consistent and unambiguous. Nomenclature should conform to the IUPAC rules. The SI system of units will be accepted without editorial change.

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3.2 References and Footnotes

3.2.1 References to the literature should be cited in the text by Arabic numerals as superscripts in parenthesis, as 1) or 1,4-8). Footnotes should be cited in parenthesis as (1), (2),....

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1) Y. Hasegawa, K. Sasaki and T. Tanabe, Bull. Chem. Soc. Jpn., 61, 413 (1988).

2) G. Alberti and U. Constantino, "Intercalation Chemistry" (Eds. M.S. Whittingham and A. J. Jacobson), Academic Press, New York (1982), Chap.5, pp.147-180.

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3.3.1 All Figures and tables should be prepared on separate pages.

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3.3.3 Figures must fit a one-column format on the journal page. Each table must fit a one- or two-column format on the journal page.

Fig. 1 This is a sample of a figure.

Fig. 2 Photos should be counted as figures.

3.3.4 Diagrams (Figures, Photos), Tables

Diagrams (Figures, Photos) and Tables should be minimized. Diagrams (Figures, Photos) and Tables should be displayed as shown in **Fig. 1**, and tables as shown in **Table 1** **(Arial 8 pt., Bold)**. The numbers for Diagrams (Figures, Photos) and Tables in the text should be expressed in **Times New Roman 9 pt., Bold**.

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All the captions for the diagrams (figures, photos) and tables, characters should be in English **(Arial 8 pt., Bold)** and are inserted in the text of the manuscript. Captions for diagrams (figures, photos) should be positioned underneath (centered), and table captions are above (centered). Do not crowd the space between diagram captions or table captions and the main text.

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Please use diagrams (figures, photos) that are clear and in focus. We ask that submitted graphics be in full color, if possible.

3.3.7 Equations

For equations, *Symbol Italic 9 pt.* and *Serif italic 9 pt.* fonts are basically used to represent variables and physical constants.

Please describe using the software for the formula.

$$\Omega_{\mathrm{f}}(\mathrm{V}) = E_{\mathrm{total}} - N\mu^{\mathrm{bulk}} + \mu^{\mathrm{atom}} \quad (1)$$

$$\Omega_{\mathrm{f}}(\mathrm{N}) = E_{\mathrm{total}} - N\mu^{\mathrm{bulk}} - \mu^{\mathrm{N_2}} + \mu^{\mathrm{atom}} \quad (2)$$

Table 1 This is a sample of a table

Fundamental	
1.Thermodaynamic	Thermal Field uniformity Dislocation formation Solid-state transformation Vapor phase composition Vacancy supersaturation
2.Kinetic	Nucleation processes Inhomogeneous supersaturation Constitutional supercooling Growth face morphology Capture of gas phase bubbles
Technological	
	Process instabilities Seed preparation Contamination

4. Manuscript Destination

Manuscripts prepared as MS Word file together with PDF file (less than 2 MB for each file) should be submitted by e-mail to Professor Ohto by **May 31, 2014**.

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