NOTICE TO AUTHORS 2025

General features

Mendeleev Communications is an international journal of short communications published in English presenting preliminary accounts of original and significant results in chemistry that are of wide general appeal or exceptional specialist interest.

Correspondence and submission of manuscripts

Papers and scans of accompanying forms (a warrant from the institution and, if available, an expert's report) should be submitted online *via http://edit.mendcomm.org/Login.aspx* or send by e-mail: *edit@mendcomm.org*. For templates, see *https://www.mendcomm.org/notice*.

Authors should provide their telephone number and electronic mail address for correspondence.

No work submitted to *Mendeleev Communications* should simultaneously be submitted to or be under current consideration by any other journal.

Contributions which have appeared or have been accepted for publication with essentially the same content in another journal are not suitable for consideration by *Mendeleev Communications*.

Papers which are accepted by *Mendeleev Communications* must not be published elsewhere.

A copyright agreement will be transmitted to authors of the accepted manuscripts and authors should sign it and return without delay.

Refereeing of communications

It is helpful to the referees if authors can provide a statement or covering letter explaining briefly why they feel that their work is an important advance and putting it into context in relation to the ultimate aims of their ongoing research.

The authors are encouraged to recommend possible referees (name, position, affiliation and e-mail address should be indicated) for their submissions.

Preparation of manuscripts

General. The required length of the articles ranges from two to three printed pages. Communications should be restricted to the central urgent theme. Authors should use minimum of illustrations and schemes and avoid extensive historical introduction, superfluous experimental detail, physical data and detailed reasoning. Authors are encouraged to include, briefly, important details relevant to the proof of the reliability of the results. DOC and DOCX files with the manuscripts are preferable. It would be helpful if Figures could be additionally submitted in a common vector or high resolution raster format as separate files.

Presentation. Careful attention to the following points will aid rapid publication.

(*a*) The first page should be set out as follows:

(i) Title, with the first word only capitalised.

Note: The inclusion of 'Series' or 'Part numbers' in the title of a communication is not allowed.

(ii) Authors' names, with full forename for each, with an asterisk (*) indicating the author for correspondence.

(iii) Authors' address or addresses (affiliation, including department's name for the universities, postal code, city, country and e-mail address).

(iv) A summary stating the main finding(s) (no more than three sentences) and a graphical abstract.

(v) Main text, double-line spacing.

(*b*) A space must be left after numerals (except where these occur in chemical names), when these qualify units (*e.g.* 3 g), but not when they are multiples (10^3k).

(*c*) Attention should be paid to italisizing and punctuation (or its absence) in symbols and chemical names.

(*d*) Textual footnotes should be presented separately from the main text and the numbered bibliography, and given symbols in the sequence †, ‡, §, ¶. Using a large number of footnotes is not recommended.

(*e*) Abbreviations and acronyms must be defined at their first appearance and be used only sparingly. Both British and American spellings are acceptable but one or the other should be consistently used within the article.

(*f*) The inclusion of Cyrillic symbols in the English text is not allowed.

(*g*) Only personal acknowledgements and those indicating financial support of the research will be published. Dedications are not allowed.

Nomenclature, units and symbolism

Current IUPAC nomenclature and symbolism and Système International (SI) units should be used, as an aid to the accurate and unambiguous communication of chemical information between authors and readers.

Title

The title should clearly and accurately indicate the content of the communication and be expressed in scientific terms that can function as 'points of entry' for retrieval purposes. Brevity in the title, though desirable, should be balanced against accuracy and usefulness. The authors are encouraged to avoid the use of hyphens in the title.

Summary

The summary should be an account of the discovery being announced (one to three sentences). It must clearly indicate the content that makes the communication important or urgent.

Graphical abstract

All communications should include a graphical abstract, *viz.*, a colour diagram, picture or scheme carefully chosen so as to allow a casual reader to appreciate the nature of the work presented in the communication. Maximum size 40×85 mm. Examples of style and format may be found in any recent issue.

Keywords

The authors should provide 5–10 keywords, which will be used for indexing purposes.

Illustrations

Structure reference numbers (boldface Arabic numerals) must be cited in numerical order in displayed formulae. Detailed guidelines on the preparation of illustrations can be found at *https://www.mendcomm.org* (Notice to Authors, Guidelines for Illustrations).

Experimental data

The authors should provide all data required to understand and verify the research presented in their article. In manuscripts reporting the syntheses of compounds, fully convincing evidence for the identity and purity (homogeneity) of all new compounds or known compounds made by a new/improved method should be provided. Data associated with particular compounds (the

name of the compound, yield, melting point, optical rotation, refractive index, elemental analysis, UV and IR absorptions, NMR and mass spectra) should follow the description of their preparation procedure. The general procedure may be described in a footnote, whereas most of other experimental details as well as high-resolution images of all spectra should be provided in Online Supplementary Materials.

In the articles including computational results, methods and software used for calculations should be properly cited. Equations, data, geometric parameters/coordinates, or other numerical parameters essential to reproduction of the computational results should be provided. When the results of electronic structure calculations in relative energies are reported, the absolute energies obtained directly from the computational output files and *XYZ* coordinates of corresponding structures should also be included in Online Supplementary Materials.

Online supplementary materials

Supplementary data are published in electronic form. In addition to necessary experimental details specified above and copies of all spectra, such data can include supporting applications, high-resolution images, video clips, and more, to enhance the scientific research and increase the impact of the article. Placing bulky data in Online Supplementary Materials can also help authors to improve the readability of their articles and to provide the required length of the manuscripts.

Supplementary materials should be submitted as separate files and referred to within the text of the manuscript and/or in the added paragraph entitled 'Online Supplementary Materials' at the end of the manuscript. Supplementary data of the accepted articles will be published in the electronic version of the journal. When preparing supplementary data, the authors should keep in mind the following:

- these materials will be published 'as is', *i.e*., editorial staff will not edit the style or content
- large files may cause difficulty for users to download and access.

References

Self-citations should not exceed 30%.

References should be cited in the text using Arabic numerals and typed in numerical sequence as superscript characters. Inclusion of several citations (*a*,*b*,*c*, *etc*.) in one reference is not allowed. The final reference list is required to be complied using auto-numbering and should have the following format:

1 R. Nifosì, B. Mennucci and C. Filippi, *Phys. Chem. Chem. Phys*., 2019, **21**, 18988; https://doi.org/10.1039/C9CP03722E.
2 D. S. Kuliukhina, A. S. Malysheva, A. D. Averina, E. N. Savelyev, B. S. Orlinson, I. A. Novakov and I. P. Beletskaya, *Russ. J. Org. Chem*., 2023, **59**, 2107; https://doi.org/10.1134/S1070428023120072.
3 R. A. Fernandes, P. Kumar and N. Chandra, in *Comprehensive Organometallic Chemistry IV*, 2022, vol. 8, pp. 632–679; https://doi.org/10.1016/B978-0-12-820206-7.00079-2.
4 J. Koetz and S. Kosmella, *Polyelectrolytes and Nanoparticles,* Springer, Berlin, 2007; https://doi.org/10.1007/978-3-540-46382-5.
5 M. J. Sharp and W. R. Moore, Jr., *Patent US 10792292 B2*, 2020; https://patentimages.storage.googleapis.com/40/e2/0a/88f66c1aefc647/US10792292.pdf.
6 A. V. Kustov, D. V. Batov and T. R. Usacheva, *Kalorimetriya rastvorov neelektrolitov* (*Calorimetry of Non-electrolyte Solutions*), ed. V. A. Sharnin, Krasand, Moscow, 2017 (in Russian); http://i.uran.ru/webcab/system/files/bookspdf/kalorimetriya-rastvorov-neelektrolitov/kalorimetriya.pdf.
7 H. Aripin, S. Sutisna, N. Busaeri and S. Sabchevski, in *Proceedings of 10th International Conference on Chemical Science and Engineering ICCSE 2021*, November 19–21, 2021, pp. 65–72; https://doi.org/10.1007/978-981-19-4290-7.
8 [dataset] NREL, *Best Research-Cell Efficiency Chart*, 2023; https://www.nrel.gov/pv/cell-efficiency.html.

All authors should be listed for each reference. Particular attention should be paid to the correct spelling and completeness of all bibliographic information. For each reference, it is necessary to provide DOI index or URL address according to the above examples. Journal titles should be abbreviated according to the Chemical Abstracts Service Source Index (CASSI). Where an authoritative abbreviation cannot be located, the full title should be given. For translated Russian journals, it is necessary to indicate only the English version citation. Titles of books must be given in full, together with publisher's name and location. Russian sources should be transliterated. It is necessary to avoid using references that are not available online.

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Guidelines for publication of X-ray crystallography

Presentation of Crystallography in the Manuscript

For an article reporting a crystallographic structure determination it is often appropriate, although not essential to indicate this information in the title, *e.g.* by the words 'crystal structure of'. Whether or not the crystal structure determination is indicated in the title, reference should be made to it in the summary. The following details of the data collection and structure analysis, accompanied by deposition CCDC or ICSD number(s) (see below), should be given in a footnote:

- chemical formula and formula weight (M)
- crystal system
- unit-cell dimensions (Å or pm, degrees) and volume, with estimated standard deviations, temperature
- space group symbol (if non-standard setting give related standard setting)
- no. of formula units in unit cell (Z)
- linear absorption coefficient (μ)
- number of reflections measured and/or number of independent reflections, R_{int}
- final R values (and whether quoted for all or observed data).

Supplementary Data Required for Assessment and/or Deposition

Before submission of their article, authors should deposit all crystallographic data to the Cambridge Crystallographic Data Centre (*https://www.ccdc.cam.ac.uk*) or Inorganic Crystal Structure Database hosted by FIZ Karlsruhe (*https://icsd.fiz-rarlsruhe.de*) and receive the deposition CCDC or ICSD number(s). Along with the manuscript, authors should submit all supplementary crystallographic data as a Crystallographic Information File (CIF). In addition, authors are required to provide a checkCIF report for their reported crystal data. The checkCIF report can be obtained *via* the International Union of Crystallography's (IUCr) free checkCIF service (*https://checkcif.iucr.org*).

The information required for deposition includes:

- a table of final fractional atomic coordinates
- any calculated coordinates (*e.g.* hydrogen)
- a full list of bond lengths and angles with estimated standard deviations
- a full list of displacement parameters in the form B_{ij} or U_{ij} (in Å^2 or pm^2)

- FULL details of the refinement, which can be found at *https://www.mendcomm.org* (Notice to Authors, Guidelines for Publication of X-Ray Crystallography).

Tables of *structure factors* (F_o, F_c) should not be sent, but copies should be retained by the authors so that they may be made available *via* the Editorial Office if requested.

Changes to authorship

Authors are expected to consider carefully the list and order of authors before submitting their manuscript and provide the definitive list of authors at the time of the original submission. Any addition, deletion or rearrangement of author names in the authorship list should be made only *before* the manuscript has been accepted and only if approved by the journal Editor. To request such a change, the Editor must receive the following from the *corresponding author*:

- the reason for the change in author list
- written confirmation (e-mail, letter) from all authors that they agree with the addition, removal or rearrangement. In the case of addition or removal of authors, this includes confirmation from the author being added or removed.

Only in exceptional circumstances will the Editor consider the addition, deletion or rearrangement of authors after the manuscript has been accepted. While the Editor considers the request, publication of the manuscript will be suspended.