Title should be concise, informative and clearly presenting the main findings of the manuscript

A. B. First, C. D. Second and E. F. Third

March 25, 2025

General remarks

This template is designed to simplify the preparation of manuscripts across various LaTeX-based systems and streamline their evaluation by reviewers. To achieve this, we employ a minimal set of LaTeX packages. In case of technical conflicts, certain packages can be deactivated by commenting out the relevant lines. Upon acceptance, all drafts will be professionally formatted according to the style established for the Journal of Mesoscience and Nanotechnology by our technical team.

All references should be included in the tex-file. Using a separate bibliography file complicates formatting the reference list with hyperlinks both in papers and on web pages.

Although ORCIDs and DOIs do not appear in authors' list, main text, or reference list, these identifiers enable us to create hyperlinks to authors' personal webpages or journal websites where the cited papers were published.

If necessary, the authors may provide a PDF file containing supplementary information such as extensive figures, detailed experimental procedures, mathematical derivations, modeling programs, circuit diagrams, technical notes, measurement details, data acquisition methods, and filtering processes. This additional material will be valuable for both reviewers and specialized readers.

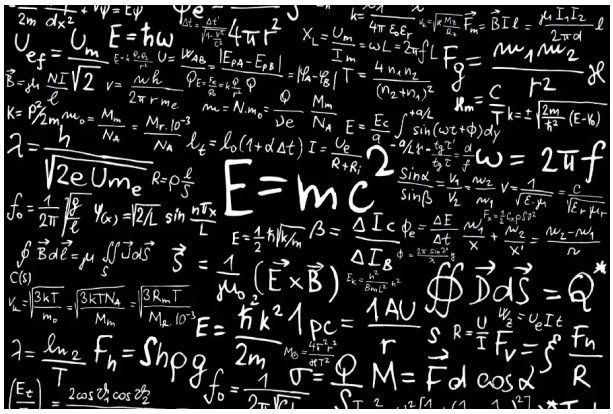
Our journal accepts various types of articles, including reviews, research articles, letters, methodological notes, and perspectives. Letters are typically limited to 4,000 words, whereas other manuscript types have no specific word limit.

Abstract

Abstract should consist of one paragraph and be completely self-contained. The length of the abstract is typically limited by 200–250 words. The abstract should concisely summarize the subjects, conclusions, and results of the manuscript. If necessary, cite the relevant paper(s) in a full form, for example, First *et al.*, Phys. Rev. Lett., vol. 111, 222 (2020).

Graphical abstract

Authors should submit a single, high-quality image that effectively captures the core of their work for display on the Journal's website. Graphical abstracts should be submitted as a separate PDF-file. The typical dimensions for such images are 8.5 cm by 4.5 cm using a minimum resolution of 300 dpi.



Main text

Please write a concise and informative introduction addressing the problem, supported by relevant references. Clearly state the main findings of the manuscript and explain how they relate to previous publications and known effects.

Please minimize the use of acronyms. When using acronyms, ensure each one is properly defined within the text. For longer lists of acronyms, create a separate section to summarize all acronyms and their meanings.

Number all essential equations on the right.

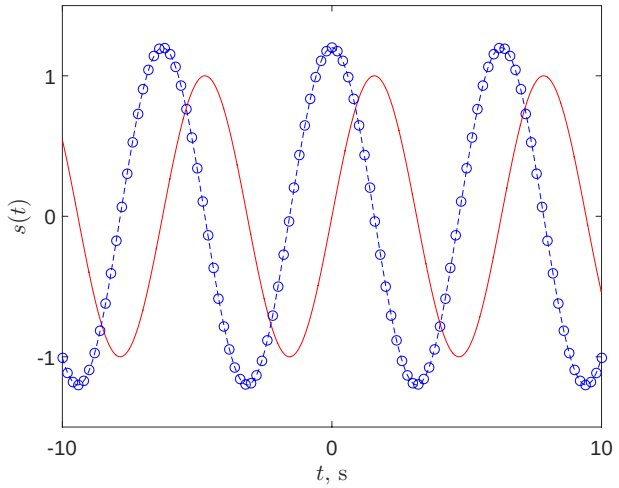


Figure 1: Example of one-column-wide figure embedded in the text.

Punctuate mathematical expressions and displayed equations as part of the sentence.

Use italic font for scalar variables (x, y, I, V).

Use roman boldface font for two- and three-dimensional vectors: $\mathbf{r} = x\mathbf{e}_x + y\mathbf{e}_y + z\mathbf{e}_z$, $\mathbf{B} = \mathrm{rot}\mathbf{A}$.

Use roman standard font for functions ($\sin x$, $\arctan y$) and for chemical elements (Pb, $NbSe_2$, $YBa_2Cu_3O_{7-\delta}$).

Typographically distinguish matrices, vectors and operators to avoid confusion.

Combine references in a single list at the end of the paper. Provide full bibliographic information, including all author names for references with up to ten authors, title, volume and issue, pages or article number, year of publication, and DOI. For more than ten, up to 20 names can be listed followed by *et al.* as appropriate.

Number the references consecutively in the order in which they are cited. Provide sufficient information to enable the reader to locate cited items not available in the published literature (for example, report, books, conference proceedings).

Footnote comments[1] are also acceptable.

Figures should preferably be in PDF format, or in EPS, JPG, or PNG formats, in either vector or raster types (better than 300 dpi). Simple figures can be embedded in the text (see figure 1). Figures consisting of several panels are recommended to be organized as two-column-wide figure (see figure 2). Please note that all labels, numbers, and legends in the figures should have the font sizes close to the font size of the main text (9–10 pt).

[1]The example of the footnote comment.

Simple mathematical formulas $a^2 + b^2 = c^2$ and $z = re^{i\varphi}$ can be embedded in the text.

Example of a single-line formula (see Eq. (1))

$$E = mc^2. \tag{1}$$

Complicated mathematical expressions can be presented in the form of a two-line formula (see Eq. (2))

$$i\hbar\frac{\partial}{\partial t}\Psi(\mathbf{r},t) = \hat{H}\Psi(\mathbf{r},t),$$
$$\hat{H} = \frac{1}{2m}\left(-i\hbar\nabla - \frac{q}{c}\mathbf{A}\right)^2 + U(\mathbf{r}). \tag{2}$$

Please note that the 'multline' environment requires the amsmath package

There are some examples of citations. Experimental methods[1–3] are crucial in physics because they allow scientists to test hypotheses and validate theories. Millikan demonstrated the discreteness of electrical charge.[1] Davisson and Germer [2] studied electron diffractions in crystals. Abbott *et al.* [3] reported on the detection of gravitational waves.

Conclusion

Please summarize the concluding remarks.

Acknowledgements

Add the acknowledgements for all persons who help with the manuscript or research project as well as to scientific foundations, grants, and fellowships.

Supporting Information

This part is optional.

Information regarding all authors

In the order of appearance:

A. B. First, Affiliation(s), ORCID number, Colab ID (optional)

C. D. Second, Affiliation(s), ORCID number, Colab ID (optional)

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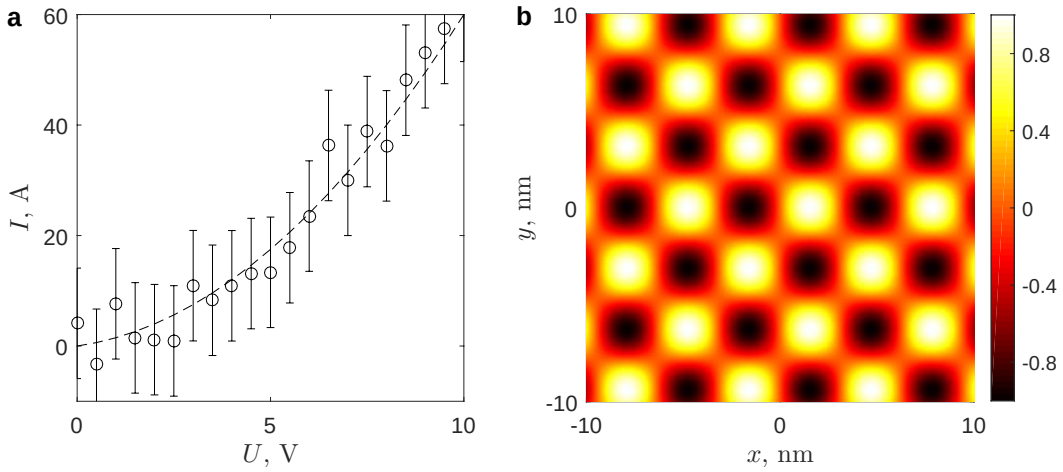

Figure 2: Example of two-column-wide figure: **a** – Typical scattering plot with error bars; **b** – Typical two-dimensional image with colobar.

Corresponding author(s)

A. B. First, e-mail address / phone number (optional)

References

[1] Millikan R. A. *On the Elementary Electrical Charge and the Avogadro Constant.* Phys. Rev., vol. 2, 109 (1913); DOI: 10.1103/PhysRev.2.109.

[2] Davisson C., Germer L. H. *Diffraction of Electrons by a Crystal of Nickel.* Phys. Rev., vol. 30, 705 (1927); DOI: 10.1103/PhysRev.30.705.

[3] Abbott B. P., Abbott R., Abbott T. D., Abernathy M. R., Acernese F., Ackley K., Adams C., Adams T., Addesso P. *et al.* (LIGO Scientific Collaboration and Virgo Collaboration) *Observation of Gravitational Waves from a Binary Black Hole Merger.* Phys. Rev. Lett. vol. 116, 061102 (2016); DOI: 10.1103/PhysRevLett.116.061102.

[4] Sawada J., Akopyan F., Cassidy A. S., Taba B. *et al. Truenorth ecosystem for brain-inspired computing: scalable systems, software, and applications.* SC '16: Proceedings of the International Conference for High Performance Computing, Networking, Storage and Analysis, Salt Lake City, USA, pp. 130-141 (2016); DOI: 10.1109/sc.2016.11.