

# A concise and descriptive title

Kai Wang<sup>a,1</sup>, Zihe Liu<sup>a,1</sup>, Tianwei Tan<sup>a,\*</sup> and Jens Nielsen<sup>a,b,\*</sup>

<sup>a</sup>College of Life Science and Technology, Beijing Advanced Innovation Center for Soft Matter Science and Engineering, Beijing University of Chemical Technology, Beijing 100029, China

<sup>b</sup>Department of Biology and Biological Engineering, Chalmers University of Technology, Gothenburg SE41296, Sweden

## ARTICLE INFO

**Keywords:**  
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## ABSTRACT

A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself. A single paragraph of about 500 words maximum.

## 1. Introduction

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

### References

References should be numbered in order of appearance and indicated by a numeral or numerals in square brackets—e.g. [1] or [2, 3]. It is recommended to use the “van-couver” bibliographic style.

## 2. Experimental section

Provide sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized, and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described.

### Theory/Calculation (Optional)

A Theory section should extend, not repeat, the background to the article already dealt with in the Introduction and lay the foundation for further work. In contrast, a Calculation section represents a practical development from a theoretical basis.

### Equations

- Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y.
- In principle, variables are to be presented in italics.
- Vectors should appear in bold italic text.
- The names of genes and strains should be italicized.

\*Corresponding authors.

✉ twtan@buct.edu.cn (T. Tan); nielsenj@chalmers.se (J. Nielsen)  
ORCID(s): 0000-0001-0000-0000 (K. Wang); 0000-0001-0000-0002 (Z. Liu)

Liu)

<sup>1</sup>These authors contributed equally to this work.

- Capital and lower-case letters should be distinguished clearly where there could be confusion.
- Powers of e are often more conveniently denoted by exp.
- Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).
- Mathematical derivations that are easily found elsewhere in the literature should not be used.

Example of the equation Eq. (1).

$$\text{Yield}(\%) = a/b \quad (1)$$

## 3. Results and discussion

This section may be divided by subheadings. It should provide a concise and precise description of the experimental results, their interpretation, as well as the experimental conclusions that can be drawn. Please avoid extensive citations and discussion of published literature.

This section can also be divided into Results section and Discussion section.

### 3.1. Subsection

All figures and tables should be cited in the main text as Fig. 1, Table 1, etc. All figures and tables should be inserted near their first citation in text.

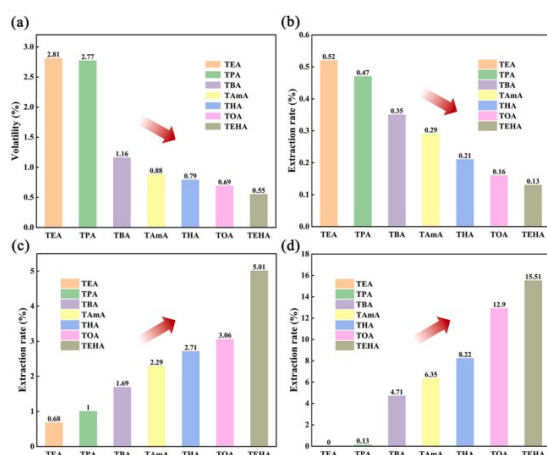
### Figures

- An image intended for the journal's double column format (i.e., an image to fit into the space of a single column on the 2-column layout), should be sized to 6.5 cm.
- Images submitted for a layout that spans full columns (i.e., an image that will occupy the full-page width) should be sized to 13.5 cm, and complicated figures should have a maximum width of 15 cm.

- Notations in the figures should be distinct and consistent with the same ones in the text. Please use the Times New Roman font with a size of 6-8 pt.
- The figures should be numbered as (a), (b), (c), should be located in the upper left corner of the figure and placed outside of it. Only the first letter of the axis label should be capital.
- Line drawings and graphs must have a resolution of at least 1200 dpi when they are exported. Photographs and micrographs must have resolution of at least 300 dpi (600 dpi if there is text or line art in the figure).
- In an image containing multiple sub-figures, please ensure that both the entire image and each sub-figure should have captions. The total number of words in the captions should not exceed 300 words.
- Figure should be abbreviated to Fig. for the whole paper.
- Supply captions separately, not attached to the figure.
- Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

Figures may be included using the command, `\includegraphics` in combination with or without its several options to further control graphic. `\includegraphics` is provided by `graphic[s,x].sty` which is part of any standard  $\text{\LaTeX}$  distribution. `graphicx.sty` is loaded by default.  $\text{\LaTeX}$  accepts figures in the postscript format while `pdf\text{\LaTeX}` accepts \*.pdf, \*.mps (metapost), \*.jpg and \*.png formats. `pdf\text{\LaTeX}` does not accept graphic files in the postscript format. Use `{figure*}` instead of `{figure}` if you want a two column spanned figure.

Example of the figure:



**Figure 1:** Stability performance tests of seven trans-aconitate plasticized PVCs: (a) Volatility test; (b) Water extraction test; (c) Ethanol extraction test; (d) Petroleum ether extraction test.

## Tables

- Tables should be placed in the main text near to their first citation.
- Number tables consecutively in accordance with their appearance in the text
- Place any table notes below the table body.
- Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article.
- Please avoid using vertical rules and shading in table cells.

The table environment is handy for marking up tabular material. If users want to use `multirow.sty`, `array.sty`, etc., to fine control/enhance the tables, they are welcome to load any package of their choice and `cas-dc.cls` will work in combination with all loaded packages.

Example of the table:

**Table 1**

This is a test caption. Use `{table*}` instead of `{table}` if you want a two column spanned table.

Col 1 <sup>a</sup>	Col 2 <sup>b</sup>	Col 3	Col4
12345	12345	123	12345
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12345	12345	123	12345

<sup>a</sup> table note 1.

<sup>b</sup> table note 2.

## 4. Conclusions

The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

## Ethical statement

Interventionary studies involving animals or humans, and other studies that require ethical approval, must list the authority that provided approval and the corresponding ethical approval code in this section.

## Declaration of competing interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

## Acknowledgments

List all funding and other helps that support this work.

- List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).
- List funding sources in this standard way to facilitate compliance to funder's requirements:
- Funding: This work was supported by the National Natural Science Foundation of China (grant numbers xxxx, yyyy).
- It is not necessary to include detailed descriptions on the program or type of grants and awards. When funding is from a block grant or other resources available to a university, college, or other research institution, submit the name of the institute or organization that provided the funding.
- If no funding has been provided for the research, please include the following sentence: This research did not receive any specific grant from funding agencies in the public, commercial, or not-for-profit sectors.)
- Funding information cannot be revised any more after paper acceptance.

## Supplementary Material

Summarize the supplementary information in this section. Fig. S1: title, Table S1: title, Video S1: title.

### A. Appendix A

If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A1), Eq. (A2), etc.; in a subsequent appendix, Eq. (B1) and so on. Similarly for tables and figures: Table A1; Fig. A1, etc.

All appendix sections must be cited in the main text.

$$F = ma \quad (A1)$$

### B. Appendix B

$$E = mc^2 \quad (B1)$$

## References

- [1] Fortunato S. Community detection in graphs. *Phys Rep-Rev Sec Phys Lett.* 2010;486:75-174.
- [2] Newman MEJ, Girvan M. Finding and evaluating community structure in networks. *Phys Rev E.* 2004;69:026113.
- [3] Aad G, Abbott B, Abeling K, Abicht NJ, Abidi SH, Aboulhorma A, et al. Combined Collision Data. *Physical Review Letters.* 2023;333(25):222222.