

A “template” model document for submission to the American Chemical Society (ACS)

Andrew N. Other¹, Fred T. Secondauthor¹, I. Ken Groupleader^{*1}, Susanne K. Laborator²,
and Kay T. Finally¹

¹Department of Chemistry, Unknown University, Unknown Town

²Lead Discovery, BigPharma, Big Town, USA

*Email: i.k.groupleader@unknown.uu

Abstract

This is an example document for creating L^AT_EX submissions to the American Chemical Society (ACS) for publication. As ACS does not use L^AT_EX for typesetting accepted manuscripts, this template does not seek to reproduce the appearance of a published paper.

Keywords

Some journals require keywords: these normally should be given immediately after the abstract.

Abbreviations

Some journals require a list of abbreviations: these normally should be given immediately after the keywords (if required).

Introduction

This is a paragraph of text to fill the introduction of the demonstration file.

Results and Discussion

Outline

The document layout should follow the style of the journal concerned. Where appropriate, sections and subsections should be added in the normal way.

References

References should be given in the normal way in L^AT_EX. If you are using `biblatex` (as recommended) then you can use the full range of citation commands it provides. If you choose to use classical BibT_EX, the `natbib` package will be loaded and you can use its commands.^{1–6}.



Figure 1: An example scheme

Floats

New float types are set up in the preamble. The means graphics are included as follows (Scheme 1). As illustrated, the float is “here” if possible.

Your scheme graphic would go here: PDF graphics are recommended.

A standard figure environment



Figure 2: Caption

The use of the different floating environments is not required, but it is intended to make document preparation easier for authors. In general, you should place your graphics where they make logical sense; the production process will move them if needed.

Math

If packages such as `amsmath` are required, they should be loaded in the preamble. However, the basic `LATEXmath(s)` input should work correctly without this. Some inline material $1 + 1 = 2$ followed by some display.

$$A = \pi r^2$$

It is possible to label equations in the usual way (Eq. 1).

$$\frac{d}{dx} r^2 = 2r \tag{1}$$

This can also be used to have equations containing graphical content. To align the equation number with the middle of the graphic, rather than the bottom, a minipage may be used.

$$\begin{array}{c} \text{As illustrated here, the width of} \\ \text{the minipage needs to allow some} \\ \text{space for the number to fit in to.} \end{array} \tag{2}$$

Experimental

The usual experimental details should appear here. This could include a table, which can be referenced as Table 1. Notice that the caption is positioned at the top of the table.

Adding notes to tables can be complicated. Perhaps the easiest method is to generate these using the basic `\textsuperscript` and `\emph` macros, as illustrated (Table 2).

Table 1: An example table.

Header one	Header two
Entry one	Entry two
Entry three	Entry four
Entry five	Entry five
Entry seven	Entry eight

Table 2: A table with notes.

Header one	Header two
Entry one ^[a]	Entry two
Entry three ^[b] nil	Entry four

[a] Some text; [b] Some more text.

The example file also loads the optional `chemformula` and `mhchem` packages, so that formulas are easy to input: `\ce{H2SO4}` gives H_2SO_4 . The two have similar syntax but authors may prefer one or the other.

The use of new commands should be limited to simple things which will not interfere with the production process. For example, `{\mycommand}` has been defined in this example, to give italic, mono-spaced text: some text.

Acknowledgment

Please use “The authors thank ...” rather than “The authors would like to thank ...”.

Supporting information

A listing of the contents of each file supplied as Supporting Information should be included. For instructions on what should be included in the Supporting Information as well as how to prepare this material for publications, refer to the journal’s Instructions for Authors.

The following files are available free of charge.

- Filename-1: brief description
- Filename-2: brief description

References

- ¹ Author, F.; Author, S.; Author, C. *ChemSusChem* **2008**, *1*, 9–14.
- ² Author, F.; Author, S.; Author, T.; Author, C. *Angew. Chem. Int. Ed.* **2006**, *45*, 10–15.
- ³ Grate, J. W.; Frye, G. C., *Sensors Update*; Baltes, H., Göpel, W., Hesse, J., Eds.; Wiley-VCH: Weinheim, 1996, pp 10–20.
- ⁴ Author, F.; Author, S.; Author, T.; Author, C. *Chem. - Eur. J.* **2022**, *28*, e202200003.
- ⁵ Novick, S. Biography of Rotational Spectra for Weakly Bound Complexes, can be found under <http://www.wesleyan.edu/ch> 2005.
- ⁶ Koch, W.; Holthausen, M. C. In (Eds.: W. E. Willen, R. J. Larsen), Academic Press: Weinheim, 2000.

Entry for the Table of Contents

Some journals require a graphical entry for the Table of Contents. This should be laid out "print ready" so that the sizing of the text is correct.

The space available depends on the journal: J. Am. Chem. Soc. allows 3.25 in by 1.75 in and requires sans-serif text. Some journals want different sizes: you can easily adjust here.

The two rules either side of the content are there to help judge the height of your material: they may be deleted once not required.