

Highlights

This is a specimen a_b title

CV Radhakrishnan,Han Theh Thanh,CV Rajagopal,Rishi T.

- Research highlights item 1
- Research highlights item 2
- Research highlights item 3

This is a specimen a_b title^{*,**}

Sir CV Radhakrishnan^{a,c,*,1} (Researcher), Han Theh Thanh^{b,d}, CV Rajagopal Jr^{b,c,2} (Co-ordinator) and Rishi T.^{a,c,**,1,3}

^aElsevier B.V., Radarweg 29, 1043 NX Amsterdam, The Netherlands

^bSayahna Foundation, Jagathy, Trivandrum 695014, India

^cSTM Document Engineering Pvt Ltd., Mepukada, Malayinkil, Trivandrum 695571, India

ARTICLE INFO

Keywords:

quadrupole exciton
polariton
WGM
BEC

ABSTRACT

This template helps you to create a properly formatted L^AT_EX manuscript.

`\beginabstract ... \endabstract` and `\begin{keyword} ... \end{keyword}` which contain the abstract and keywords respectively.

Each keyword shall be separated by a `\sep` command.

1. Introduction

The Elsevier cas-dc class is based on the standard article class and supports almost all of the functionality of that class. In addition, it features commands and options to format the

- document style
- baselineskip
- front matter
- keywords and MSC codes
- theorems, definitions and proofs
- lables of enumerations
- citation style and labeling.

This class depends on the following packages for its proper functioning:

1. natbib.sty for citation processing;
2. geometry.sty for margin settings;
3. fleqn.clo for left aligned equations;
4. graphicx.sty for graphics inclusion;


* This document is the results of the research project funded by the National Science Foundation.


** The second title footnote which is a longer text matter to fill through the whole text width and overflow into another line in the footnotes area of the first page.

This note has no numbers. In this work we demonstrate a_b the formation Y_I of a new type of polariton on the interface between a cuprous oxide slab and a polystyrene micro-sphere placed on the slab.

*Corresponding author

**Principal corresponding author

 cvr_1@tug.org.in (C. Radhakrishnan); cvr3@sayahna.org (C. Rajagopal); rishi@stmdocs.in (R. T.)

 www.cvr.cc, cvr@sayahna.org (C. Radhakrishnan); www.sayahna.org (C. Rajagopal); www.stmdocs.in (R. T.)

ORCID(s): 0000-0001-7511-2910 (C. Radhakrishnan)

¹This is the first author footnote. but is common to third author as well.

²Another author footnote, this is a very long footnote and it should be a really long footnote. But this footnote is not yet sufficiently long enough to make two lines of footnote text.

5. hyperref.sty optional packages if hyperlinking is required in the document;

All the above packages are part of any standard L^AT_EX installation. Therefore, the users need not be bothered about downloading any extra packages.

2. Installation

The package is available at author resources page at Elsevier (<http://www.elsevier.com/locate/latex>). The class may be moved or copied to a place, usually, `$TEXMF/tex/latex/elsevier/`, or a folder which will be read by L^AT_EX during document compilation. The T_EX file database needs updation after moving/copying class file. Usually, we use commands like `mktexlsr` or `texhash` depending upon the distribution and operating system.

3. Front matter

The author names and affiliations could be formatted in two ways:

- (1) Group the authors per affiliation.
- (2) Use footnotes to indicate the affiliations.

See the front matter of this document for examples. You are recommended to conform your choice to the journal you are submitting to.

4. Bibliography styles

There are various bibliography styles available. You can select the style of your choice in the preamble of this document. These styles are Elsevier styles based on standard styles like Harvard and Vancouver. Please use BibT_EX to generate your bibliography and include DOIs whenever available.

Here are two sample references: [1] [8, 7] [9, 6, 2, 3, 4, 10, 5]

\citealt etc. However when you use model1-num-names.bst, you may use only \cite command.

thebibliography environment. Each reference is a \bibitem and each \bibitem is identified by a label, by which it can be cited in the text:

In connection with cross-referencing and possible future hyperlinking it is not a good idea to collect more than one literature item in one \bibitem. The so-called Harvard or author-year style of referencing is enabled by the L^AT_EX package natbib. With this package the literature can be cited as follows:

- Parenthetical: \citep{WB96} produces (Wettig & Brown, 1996).
- Textual: \citet{ESG96} produces Elson et al. (1996).
- An affix and part of a reference: \citep[e.g.]{Ch. 2}{Gea97} produces (e.g. Governato et al., 1997, Ch. 2).

In the numbered scheme of citation, \cite{<label>} is used, since \citep or \citet has no relevance in the numbered scheme. natbib package is loaded by cas-dc with numbers as default option. You can change this to author-year or harvard scheme by adding option authoryear in the class loading command. If you want to use more options of the natbib package, you can do so with the \biboptions command. For details of various options of the natbib package, please take a look at the natbib documentation, which is part of any standard L^AT_EX installation.

A. My Appendix

Appendix sections are coded under \appendix.

\printcredits command is used after appendix sections to list author credit taxonomy contribution roles tagged using \credit in frontmatter.

CRedit authorship contribution statement

CV Radhakrishnan: Conceptualization of this study, Methodology, Software. **CV Rajagopal:** Data curation, Writing - Original draft preparation.

References

- [1] Calhoun, V.D., Adali, T., 2016. Time-varying brain connectivity in fMRI data: Whole-brain data-driven approaches for capturing and characterizing dynamic states. *IEEE Signal Processing Magazine* 33, 52–66. doi:10.1109/msp.2015.2478915.
- [2] Calhoun, V.D., Kiehl, K.A., Liddle, P.F., Pearlson, G.D., 2004. Aberrant localization of synchronous hemodynamic activity in auditory cortex reliably characterizes schizophrenia. *Biological psychiatry* 55, 842–849.
- [3] Gal, Y., Ghahramani, Z., 2016. Dropout as a bayesian approximation: Representing model uncertainty in deep learning, in: international conference on machine learning, pp. 1050–1059.
- [4] Guynn, J., 2015. Google photos labeled black people 'gorillas'. <https://eu.usatoday.com/story/tech/2015/07/01/google-apologizes-after-photos-identify-black-people-as-gorillas/29567465/>. [Online; accessed 25-September-2019].
- [5] Handwerker, D.A., Roopchansingh, V., Gonzalez-Castillo, J., Bandettini, P.A., 2012. Periodic changes in fMRI connectivity. *NeuroImage* 63, 1712–1719. doi:10.1016/j.neuroimage.2012.06.078.
- [6] LeCun, Y., Jackel, L., Bottou, L., Brunot, A., Cortes, C., Denker, J., Drucker, H., Guyon, I., Muller, U., Sackinger, E., et al., 1995. Comparison of learning algorithms for handwritten digit recognition, in: International conference on artificial neural networks, Perth, Australia. pp. 53–60.
- [7] Murphy, K., Birn, R.M., Bandettini, P.A., 2013. Resting-state fMRI confounds and cleanup. *NeuroImage* 80, 349–359. doi:10.1016/j.neuroimage.2013.04.001.
- [8] Phan, K., Wager, T., Taylor, S.F., Liberzon, I., 2002. Functional neuroanatomy of emotion: A meta-analysis of emotion activation studies in PET and fMRI. *NeuroImage* 16, 331–348. doi:10.1006/nimg.2002.1087.
- [9] Sarraf, S., Tofighi, G., 2016. Deep learning-based pipeline to recognize alzheimer's disease using fmri data. doi:10.1109/FTC.2016.7821697.
- [10] Yoneyama, N., Watanabe, H., Kawabata, K., Bagarinao, E., Hara, K., Tsuboi, T., Tanaka, Y., Ohdake, R., Imai, K., Ogura, R., Kato, Y., Masuda, M., Hattori, T., Ito, M., Maesawa, S., Mori, D., Katsuno, M., Sobue, G., 2018. Olfactory dysfunction and functional connectivity changes in cognitively normal parkinson's disease. <https://openfMRI.org/dataset/ds000245>. This data was obtained from the OpenfMRI database. Its accession number is ds000245 [Online; accessed 25-September-2019].