

The Council of Science Editors Name–Year BibL^AT_EX style (`biblatex-cse`)

João M. Lourenço

Version v5.5 – 2025/05/13

Abstract

The `biblatex-cse` package provides a set of BibL^AT_EX bibliography and citation styles that implement the **Council of Science Editors (CSE) Name–Year** reference system. It formats references following the conventions of the *CSE Manual for Authors, Editors, and Publishers* (9th edition). This manual describes installation, usage, and customization of the style.¹

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¹This style is only a partial implementation of the CSE specification. Please report any problems you may find in the project’s GitHub page.

1 Introduction

The `biblatex-cse` package is a style extension for Bib_{La}T_EX. It defines the bibliography style (`biblatex-cse.bbx`) and the citation style (`biblatex-cse.cbx`), implementing the CSE Name–Year system.

The Name–Year system is used widely across the sciences, requiring in-text citations in the form (Author Year) and a reference list ordered alphabetically by author and chronologically by year.

This style is designed for authors, students, and editors working in the biological, medical, or natural sciences who must conform to CSE standards.

2 Installation

2.1 Package contents

The distribution provides the following files:

- `biblatex-cse.bbx` — bibliography style definitions;
- `biblatex-cse.cbx` — citation style definitions;
- `biblatex-cse-doc.tex` — this documentation file;
- `bibliography.bib` — example database.

2.2 Installation steps

As the `biblatex-cse` package is distributed with `biblatex`, most probably you may skip this step. Come back if you get the following error

```
Package biblatex Error: Style 'biblatex-cse' not found.
```

and follow the instructions below.

Copy the `.bbx` and `.cbx` files to one of:

- the current project directory, or
- a personal or system-wide TEXMF tree under `tex/latex/biblatex-cse/` and run `texhash`.

The package requires:

- `biblatex` 3.20 or newer;
- `biber` 2.17 or newer;
- `csquotes` (optional, recommended).

3 Loading the style

In your preamble:

```
\usepackage[backend=biber,style=biblatex-cse]{biblatex}  
\addbibresource{myrefs.bib}
```

Run `pdflatex → biber → pdflatex → pdflatex` to compile. Or, even better, run `latexmk -pdf yourdocument.tex`.

4 Citation style (Name–Year)

CSE uses the Name–Year system for in-text citations:

- One author: (Fauci 2020)
- Two authors: (Fauci and Lane 2020)
- Three or more authors: (Lee et al 2020)
- Multiple works: (Lee et al 2020a, 2020b)
- Page or section: (Lee et al 2020, 45--47)

Common commands:

```
\parencite{Fauci2020}  
\textcite{Lee2020a}  
\parencite[45--47]{Lee2020b}
```

This style automatically suppresses the “p.” prefix and formats page ranges and multiple citations according to CSE punctuation.

5 Bibliography formatting

The general pattern is:

Authors. Year. Title. Journal title. Volume(issue):pages. DOI/URL

Each element is separated by a period, and the page range is introduced by a colon. Journal titles are usually abbreviated according to the *List of Title Word Abbreviations* (ISSN Centre).

Examples

Journal article

```
@Article{Fauci2020,  
  author = {Anthony S. Fauci and H. Clifford Lane},  
  title   = {Four decades of HIV/AIDS|much accomplished, much to do},  
  journal = {N Engl J Med},  
  volume  = {383},  
  number  = {1},  
  pages   = {1{4}},  
  year    = {2020},  
  doi     = {10.1056/NEJMp1916753},  
}
```

Output:

Fauci AS, Lane HC. 2020. Four decades of HIV/AIDS—much accomplished, much to do. *N Engl J Med*. 383(1):1–4. <https://doi.org/10.1056/NEJMp1916753>

Book

```
@Book{Reiss2023,  
  author    = {Reiss, Michael J. and Ruse, Michael},  
  title     = {The new biology: a battle between mechanism and organicism},  
  publisher = {Harvard University Press},  
  year      = {2023},  
}
```

Output:

Reiss MJ, Ruse M. 2023. The new biology: a battle between mechanism and organicism. Harvard University Press.

Thesis

```
@MastersThesis{Carvalho2002,  
  author    = {Madeira de Carvalho, Luís Manuel},  
  title     = {Epidemiologia e controlo da estrogilidose...},  
  institution = {Faculdade de Medicina Veterinária},  
  location  = {Lisbon},  
  year      = {2002},  
}
```

Output:

Madeira de Carvalho LM. 2002. Epidemiologia e controlo da estrogilidose em diferentes sistemas de produção equina em Portugal. [dissertation]. Faculdade de Medicina Veterinária.

Website

```
@Online{CDC2022,  
  author    = {{Centers for Disease Control and Prevention}},  
  title     = {Health equity considerations and racial and ethnic minority groups},  
  year      = {2020},  
  eventdate = {2022-01-25},  
  urldate   = {2022-01-03},  
  url       = {https://www.cdc.gov/coronavirus/...},  
}
```

Output:

Centers for Disease Control and Prevention. 2020. Health equity considerations and racial and ethnic minority groups. [updated 2022 Jan 25; accessed 2022 Jan 3]. <https://www.cdc.gov/coronavirus/...>

6 Supported entry types

6.1 @article

Authors. Year. Article title. Journal title. Volume(issue):pages. DOI/URL

6.2 @book

Authors or editors. Year. Title. Edition. Publisher. DOI/URL

6.3 @incollection

Authors. Year. Chapter title. In: Editor(s), editor(s). Book title. Publisher. p pages. DOI/URL

6.4 @thesis / @mastersthesis / @phdthesis

Author. Year. Title [dissertation]. Institution. DOI/URL

6.5 @online / @misc

Author. Year. Title. Publisher; [updated date; accessed date]. URL

6.6 @patent

Inventor(s), inventors; Assignee, assignee. Year Mon DD. Title. Country patent number.

7 Options and customization

The `biblatex-cse` style inherits all standard Bib_{La}T_EX options. Frequently used options:

Option	Default	Description
<code>giveninits</code>	true	Use initials for given names.
<code>maxcitenames</code>	2	Show up to two names in citations.
<code>maxbibnames</code>	5	Show up to five names in the bibliography.
<code>urldate</code>	iso	ISO date format for access dates.

Change these with:

```
\ExecuteBibliographyOptions{maxbibnames=10,urldate=long}
```

You can also redefine bibliography headings, for example to print the list at subsection level:

```
\defbibheading{bibliography}{\subsection*{#1}}
```

or use

```
\printbibliography[heading=subbibliography]
```

8 Differences from standard Bib_{La}T_EX styles

Compared with the built-in `authoryear` style, `biblatex-cse`:

- separates reference elements with **periods**, not commas;
- uses a **colon before page numbers**;
- removes parentheses around the year;
- prints **author initials without periods**;
- abbreviates journal titles (manual input);
- prints DOIs as full URLs (`https://doi.org/...`);
- omits “p.” in in-text page references.

9 Known limitations

- The style does not automatically abbreviate journal titles; provide them abbreviated in your `.bib`.
- Unpublished materials and personal communications should be handled manually.
- Some advanced CSE categories (preprints, forthcoming, supplements) may need minor custom drivers.

10 Acknowledgments

The style is based on Bib_{La}T_EX by Philipp Lehman and Audrey Boruvka. Formatting conventions follow the *CSE Manual for Authors, Editors, and Publishers, 9th edition* (Council of Science Editors, 2024). Thanks to the Bib_{La}T_EX community for style-design examples.

11 Change history

- **v2.0.0** (2025-11-06) — Rework of the style files to better comply to the CSE Name–Year specification.
- **v1.1.0** (2025-01-01) — Initial public release.

A Example document

```
\documentclass{article}
\usepackage[backend=biber,style=biblatex-cse]{biblatex}
\addbibresource{bibliography.bib}

\begin{document}
\section*{Example}
Research on long-duration spaceflight has revealed
important physiological changes \parencite{Lee2020a, Lee2020b}.

\printbibliography[title={References}]
\end{document}
```

Compiling this file with Biber produces CSE-compliant citations and references.

B Examples of citations and bibliography

B.1 Article Citations

- 1 authors: Duddington 1955, 150
- 2 authors: Asa and Boutelle 2011
- 3 authors: Migaki et al 1982
- 4 authors: Lýsek et al 1982
- 5 authors: Madeira de Carvalho et al 2007
- 8 authors: Riádigos et al 2014

Article References

- Asa, Cheryl and Boutelle, Sally. 2011. Contraception. *Fowler's Zoo and Wild Animal Medicine Current Therapy*. 7: pp. 8–14 <https://doi.org/10.1016/B978-1-4377-1986-4.00002-0>.
- Duddington, C. L. 1955. Fungi that attack microscopic animals. *The Botanical Review*. 21(7): pp. 377–439 <https://doi.org/10.1007/bf02872434>.
- Lýsek, Hynek, Fassatiová, O., Pineda, N. Cuervo, Lorenzo, N. and Hernández Malagón, José Ángel. 1982. Ovicidal fungi in soils of cuba. *Folia Parasitologica*. 29(3): pp. 265–270 <https://europepmc.org/article/med/6890012>.
- Madeira de Carvalho, Luís Manuel et al. 2007. Eficácia do fungo nematófago *Duddingtonia flagrans* no controlo biológico da estrogilidose equina no ribatejo efficacy of the nematofagous fungi *Duddingtonia flagrans* in the biological control of horse strongylosis in the ribatejo. *REVISTA PORTUGUESA DE CIÊNCIAS VETERINÁRIAS*. 102: pp. 233–247.
- Migaki, G., Schmidt, R. E., Toft, J. D. and Kaufmann, A. F. 1982. Mycotic infections of the alimentary tract of nonhuman primates: a review. *Vet. Pathol*. 19: pp. 93–103 <https://doi.org/10.1177/030098588201907s07>.
- Riádigos, Silvia Miguélez et al. 2014. Control biológico de nematodos parásitos en antílopes (*Cervicapra cervicapra*) en cautividad. *Pastagens e Forragens*. 34: pp. 47–56.

B.2 Book Citations

- 1 authors: Ankel-Simons 2007
- 2 authors: Bogitsh and Carter 2013
- 3 authors: Taylor et al 2016
- 4 authors: Modrý, Petrzelková, et al 2015
- 5 authors: Modrý, Hofmannová, et al 2017

Book References

- Ankel-Simons, Friderun. 2007. *Primate anatomy an introduction*. 3 ed. Elsevier Academic Press. <http://www.bookaid.org>.
- Bogitsh, Burton Jerome and Carter, Clint Earl. 2013. *Human parasitology*. 4 ed. Academic Press.
- Modrý, David, Hofmannová, Lada, et al. 2017. *Field and laboratory diagnostics of parasitic diseases of domestic animals: from sampling to diagnosis*.
- Modrý, David, Petrzelková, Klára J., Kalousová, Barbora and Hasegawa, Hideo. 2015. *Parasites of apes: an atlas of coproscopic diagnostics*.
- Taylor, M. A., Coop, R. L. and Wall, R. L. 2016. *Veterinary parasitology*. 4 ed. Wiley Blackwell.

B.3 Manual Citations

- 1 authors: Zoos and Aquaria 2022

Manual References

- Zoos and Aquaria, European Association of. *EAZA Membership and Accreditation Manual*. 2022.

B.4 Online Citations

- 1 authors: Barcelona n.d.

Online References

- Zoos and Aquaria, European Association of. *EAZA Membership and Accreditation Manual*. 2022.

B.5 Master Thesis Citations

1 authors: Madeira de Carvalho 2002

Masterthesis References

Madeira de Carvalho, Luís Manuel. 2002. Epidemiologia e controlo da estrogilidose em diferentes sistemas de produção equina em Portugal [dissertation]. Faculdade de Medicina Veterinária.

B.6 PhD Thesis Citations

1 authors: Arroyo Balán 2017

Phdthesis References

Arroyo Balán, Fabián Leonardo. 2017. Formulación de esporas de hongos parasitocidas en pellets nutricionais [dissertation]. Facultade de Veterinaria Universidade de Santiago de Compostela. <http://hdl.handle.net/10347/>

B.7 Technical Report Citations

1 authors: Fiby 2020

2 authors: Miller and Fowler 2011

5 authors: Abelló et al 2017

5 authors: Duque et al 2018

Techreport References

Abelló, Ma Teresa, Rietkerk, Frank and Bemment, Neil. EAZA Best Practice Guidelines for Gorillas EAZA BEST PRACTICE GUIDELINES Great Ape Taxon Advisory Group GORILLA (Gorilla gorilla gorilla) (2nd Edition). Tech. rep. 2017.

Duque, Daniela, Lopes, Ricardo, Sampaio, Filipe, Silva, Augusto and Simões, Paula Brilhante. Prevalência parasitária gastrointestinal em 1419 casos (2015-2017), comparando a análise coprológica de 1 versus 3 amostras. Tech. rep. Laboratório Veterinário INNO, 2018.

Fiby, Monika. Bio-floors in Animal Enclosures. Tech. rep. 2020.

Miller, R. Eric and Fowler, Murray. Zoo and Wild Animal Medicine CURRENT THERAPY. Tech. rep. 2011.