

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

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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}

\ExecuteBibliographyOptions{
  sorting=nyt,           % Name{Year}{Title order (required for CSE)
  giveninits=true,       % use initials for given names
  maxcitenames=2,        % truncate to et al. after two names in citations
  maxbibnames=5,         % list up to five authors in the bibliography
  urldate=iso            % ISO access-date format (e.g., 2022-01-25)
}
```

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}           % → (Fauci 2020)
\textcite{Lee2020a}             % → Lee et al. (2020)
\parencite[45--47]{Lee2020b}    % → (Lee et al. 2020, 45{47})
\parencite{Lee2020a,Fauci2020} % → (Lee et al. 2020; Fauci 2020)
```

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 strongilidose...},  
  institution = {Faculdade de Medicina Veterinária},  
  location    = {Lisbon},  
  year        = {2002},  
}
```

Output:

Madeira de Carvalho LM. 2002. Epidemiologia e controlo da strongilidose em diferentes sistemas de produção equina em Portugal. [master's thesis]. 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. Edition. Publisher. p pages. DOI/URL

6.4 @thesis / @mastersthesis / @phdthesis

Author. Year. Title [dissertation] *or* [master's thesis]. Institution. DOI/URL

6.5 @online

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

If neither year nor date is set, the style prints [date unknown] in place of the date.

6.6 @misc

Author. Year. Title. Publisher. URL

6.7 @newspaper

Author. Date. Title. Newspaper title. [updated date]. URL

6.8 @patent

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

6.9 @report / @techreport

Author(s). Year. Title. Institution. Report No.: number. DOI/URL

6.10 @inproceedings

Author(s). Year. Paper title. In: Editor(s), editors. Proceedings title (Conference name; YYYY Mon DD; Venue). Publisher. p pages. DOI/URL

Relevant fields: `author`, `year`, `title`, `editor`, `booktitle`, `eventtitle` (conference name), `eventyear/eventmonth/eventday` (conference date), `venue` (conference location), `publisher`, `pages`, `doi/url`.

When none of `eventtitle`, `eventyear`, or `venue` are present the parenthetical conference block is omitted.

6.11 @manual

There is no dedicated `@manual` driver; these entries fall through to the `@misc` driver and are formatted as:

Author. Year. Title. Publisher. URL

7 Separating thesis entries by degree

Because BibLaTeX/Biber maps both `@mastersthesis` and `@phdthesis` to the internal type `@thesis`, the style detects the degree automatically from the `type` field and prints either [master's thesis] or [dissertation].

To *filter* bibliography lists by degree (e.g. a separate “Master's Theses” section), add a `keywords` field to each `.bib` entry:

```

@MastersThesis{Smith2020,
  ...
  keywords = {mastersthesis},
}
@PhdThesis{Jones2019,
  ...
  keywords = {phdthesis},
}

```

Then define filters in the preamble and use them with `\printbibliography`:

```

\defbibfilter{onlymasters}{type=thesis and keyword=mastersthesis}
\defbibfilter{onlyphd}{type=thesis and keyword=phdthesis}

\printbibliography[filter=onlymasters, title={Master's Theses}]
\printbibliography[filter=onlyphd, title={Doctoral Dissertations}]

```

8 Options and customization

The `biblatex-cse` style inherits all standard BibLaTeX options. Frequently used options:

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

9 Differences from standard BibLaTeX 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.

10 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.

11 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.

12 Change history

v2.0.4	(2026-05-16)	Improve manual completeness. Fix discrepancies from CSE standard. Fix event date formatting to correctly display year, month, and day.
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

Note: The `\nauthors{n}` command used below is a local helper defined in this document’s preamble as `\newcommand{\nauthors}[1]{\#1 authors: }`. It is *not* part of the `biblatex-cse` style; it is only used here to annotate how many authors each entry has.

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: 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): 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): 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 estrongilidose equina no ribatejo efficacy of the nematofagous fungi *Duddingtonia flagrans* in the biological control of horse strongylosis in the ribatejo. REVISTA PORTUGUESA DE CIENCIAS VETERINÁRIAS. 102: 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: 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: 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, Petrzeková, et al. 2015
5 authors: Modrý, Hofmannová, et al. 2017

Book References

Ankel-Simons, Friderun. 2007. Primate anatomy an introduction. 3rd ed. Elsevier Academic Press. <http://www.bookaid.org>.

Bogitsh, Burton Jerome and Carter, Clint Earl. 2013. Human parasitology. 4th 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, Petrzeková, 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. 4th 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

Barcelona, Zoo. [date unknown]. Timeline – walk through the past, present and future of a conservation institution for biodiversity. <https://historia.zoobarcelona.cat/en/>.

B.5 Newspaper Citations

2 authors: Apuzzo and Gebrekidan 2023

Newspaper References

Apuzzo, Matt and Gebrekidan, Selam. 2023 Mar 4. Profits and pandemics: how pharmaceutical companies fought for monopoly power at the who. The New York Times. [updated 2023 Mar 5] <https://www.nytimes.com/2023/03/04/health/pharmaceutical-monopoly.html>.

B.6 Master Thesis Citations

1 authors: Madeira de Carvalho 2002

Masterthesis References

Madeira de Carvalho, Luís Manuel. 2002. Epidemiologia e controlo da estrongilidose em diferentes sistemas de produção equina em portugal [master's thesis]. Faculdade de Medicina Veterinária.

B.7 PhD Thesis Citations

1 authors: Arroyo Balán 2017

Phdthesis References

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

B.8 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. 2017. Eaza best practice guidelines for gorillas eaza best practice guidelines great ape taxon advisory group gorilla (gorilla gorilla gorilla) (2nd edition).

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

Fiby, Monika. 2020. Bio-floors in animal enclosures.

Miller, R. Eric and Fowler, Murray. 2011. Zoo and wild animal medicine current therapy.