# Package: bib2df (via r-universe)

October 29, 2026

**Type** Package

**Title** Parse a BibTeX File to a Data Frame

**Version** 1.1.2.0

**Description** Parse a BibTeX file to a data.frame to make it accessible for further analysis and visualization.

**URL** https://docs.ropensci.org/bib2df/, https://github.com/ropensci/bib2df/

**BugReports** https://github.com/ropensci/bib2df/issues/

**License** GPL-3

**LazyData** TRUE

**Imports** dplyr, stringr, humaniformat, httr

**Suggests** testthat, knitr, rmarkdown, ggplot2, tidyr

**RoxygenNote** 7.3.1

**VignetteBuilder** knitr

**Encoding** UTF-8

**Config/pak/sysreqs** libicu-dev libssl-dev

**Repository** https://ropensci.r-universe.dev

**Date/Publication** 2025-04-22 20:22:45 UTC

**RemoteUrl** https://github.com/ropensci/bib2df

**RemoteRef** HEAD

**RemoteSha** 4ff27d739a4b000ab71f6ef1e5a9c983d99ff9ed

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bib2df *Parse a BibTeX file to a* tibble

## Description

The BibTeX file is read, parsed, tidied and written to a tibble

## Usage

```
bib2df(file, separate_names = FALSE, merge_lines = FALSE)
```

## Arguments

| | |
|---|---|
| file | character, path or URL to a .bib file. |
| separate_names | logical, should authors' and editors' names be separated into first and given name? |
| merge_lines | logical, set to FALSE by default. If set to TRUE identifies entries that span several lines and merges them |

## Details

For simplicity bib2df() unifies the reading, parsing and tidying of a BibTeX file while being aware of a standardized output format, different BibTeX styles and missing values in the BibTeX file.

When separate_names = TRUE, the respective columns contain a data.frame for each row. When FALSE, the respective columns contain character strings.

## Value

A tibble.

## Author(s)

Philipp Ottolinger

## See Also

df2bib

## Examples

```
# Read from .bib file:
path <- system.file("extdata", "bib2df_testfile_3.bib", package = "bib2df")
bib <- bib2df(path)
str(bib)

# Read from .bib file and separate authors' and editors' names:
bib <- bib2df(path, separate_names = TRUE)
str(bib)
```

df2bib *Export a BibTeX* tibble *to a .bib file*

## Description

The BibTeX tibble is written to a .bib file

## Usage

```
df2bib(x, file = "", append = FALSE, allfields = TRUE)
```

## Arguments

| | |
|---|---|
| x | tibble, in the format as returned by bib2df. |
| file | character, file path to write the .bib file. An empty character string writes to stdout (default). |
| append | logical, if TRUE the tibble will be appended to an existing file. |
| allfields | logical, if TRUE (default), the resulting bib output will include all the BibTeX fields contained in the df object. If FALSE only the fields with text will be included in the resulting bib object |

## Value

file as a character string, invisibly.

## Author(s)

Thomas J. Leeper

Gianluca Baio

## References

https://www.bibtex.org/Format/

## See Also

bib2df

## Examples

```
# Read from .bib file:
path <- system.file("extdata", "bib2df_testfile_3.bib", package = "bib2df")
bib <- bib2df(path)

# Write to .bib file:
# bibFile <- tempfile()
# df2bib(bib, bibFile)
```

```
# Use `append = TRUE` to add lines to an existing .bib file:
# df2bib(bib, bibFile, append = TRUE)
```

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