

# Package ‘bib2df’

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**Type** Package

**Title** Parse a BibTeX File to a data.frame

**Version** 1.0.0

**Description**

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

**URL** <https://github.com/ottlgr/bib2df>

**BugReports** <http://github.com/ottlgr/bib2df/issues>

**License** GPL-3

**LazyData** TRUE

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

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

**RoxygenNote** 6.0.1

**VignetteBuilder** knitr

**Encoding** UTF-8

**NeedsCompilation** no

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**Repository** CRAN

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bib2df-package	<i>bib2df: Parse a BibTeX file to data.frame</i>
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### Description

This package provides functions to parse and write BibTeX files. BibTeX files can be parsed to `data.frame` to make them accessible with popular tools like `dplyr`, `tidyr`, `ggplot2` and many more.

### Details

BibTeX entries represented in a `data.frame` can be altered in a familiar way and written back to a valid BibTeX file.

To learn more about `bib2df`, start with the vignettes: `browseVignettes(package = "bib2df")`

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bib2df	<i>Parse a BibTeX file to a tibble</i>
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### Description

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

### Usage

```
bib2df(file, separate_names = 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?

### 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", "biblio.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)
```

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

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**Description**

The BibTeX tibble is written to a .bib file

**Usage**

```
df2bib(x, file, append = FALSE)
```

**Arguments**

<code>x</code>	tibble, returned by <a href="#">df2bib</a> .
<code>file</code>	character, path to a .bib file.
<code>append</code>	logical, if TRUE the tibble will be appended to an existing file.

**Value**

`file` as a character string, invisibly.

**Author(s)**

Thomas J. Leeper

**References**

<http://www.bibtex.org/Format/>

**See Also**[bib2df](#)

**Examples**

```
# Read from .bib file:
path <- system.file("extdata", "biblio.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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