

# Package ‘bibtex’

October 12, 2022

**Version** 0.5.0

**Title** Bibtex Parser

**Description** Utility to parse a bibtex file.

**BugReports** <https://github.com/ropensci/bibtex/issues>

**URL** <https://github.com/ropensci/bibtex>,  
<https://docs.ropensci.org/bibtex/>

**License** GPL (>= 2)

**Depends** R (>= 3.0.2)

**Imports** backports (>= 1.4.0), utils

**Suggests** testthat (>= 3.0.0)

**LazyLoad** yes

**Encoding** UTF-8

**RoxygenNote** 7.2.1

**Config/testthat/edition** 3

**NeedsCompilation** no

**Author** Romain Francois [aut, cph] (<<https://orcid.org/0000-0002-2444-4226>>,  
principal developer of bibtex R package),  
James Joseph Balamuta [ctb, cre]  
(<<https://orcid.org/0000-0003-2826-8458>>),  
Diego Hernangómez [aut] (<<https://orcid.org/0000-0001-8457-4658>>),  
Scott Chamberlain [ctb] (<<https://orcid.org/0000-0003-1444-9135>>),  
Kurt Hornik [ctb] (<<https://orcid.org/0000-0003-4198-9911>>),  
Brian Ripley [ctb] (compilation fixes),  
Michael Koohafkan [ctb],  
Mathew W. McLean [ctb] (<<https://orcid.org/0000-0002-7891-9645>>)

**Maintainer** James Joseph Balamuta <balamut2@illinois.edu>

**Repository** CRAN

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do_read_bib	<i>convenience wrapper around .External call</i>
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### Description

This is a convenience function for packages that do need to call the internal functionality of [read.bib](#) but does different processing. This is a simple wrapper around the `.External` code used by [read.bib](#)

### Usage

```
do_read_bib(file, encoding = "unknown", srcfile)
```

### Arguments

file	file name
encoding	encoding
srcfile	Deprecated

### Details

The parser is greatly inspired from the ‘bibparse’ library.

### See Also

[bibentry](#)

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read.bib	<i>bibtex parser</i>
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### Description

Parser for bibliography databases written in the bib format.

**Usage**

```
read.bib(  
  file = findBibFile(package),  
  package = "bibtex",  
  encoding = "unknown",  
  header,  
  footer  
)
```

**Arguments**

file	bib file to parse. By default, the file 'REFERENCES.bib' in the root directory of the package given by the package argument is used.
package	package from which we want to read the bibliography. Only used if file is unspecified. Core R packages (base, datasets, graphics, grDevices, methods, stats, stats4, tools and utils) are treated specially: this package contains bibtex entries for these packages.
encoding	encoding
header	DEPRECATED.
footer	DEPRECATED

**Value**

An object of class "bibentry", similar to those obtained by the `bibentry` function.

**References**

Nelson H. F. Beebe. bibparse 1.04. 1999. <http://www.math.utah.edu/~beebe/>

**Examples**

```
## this package has a REFERENCES.bib file  
bib <- read.bib(package = "bibtex")  
  
## bibtex collects bibtex entries for R base packages  
base.bib <- read.bib(package = "base")
```

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write.bib

*Generate a Bibtex File from Package Citations*

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**Description**

Generates a Bibtex file from a list of packages or all the installed packages. It is useful for adding relevant citations in Sweave documents.

**Usage**

```
write.bib(entry, file = "Rpackages.bib", append = FALSE, verbose = TRUE)
```

**Arguments**

entry	a <code>bibentry</code> object or a character vector of package names. If NULL, then the list of all installed packages is used.
file	output Bibtex file.
append	logical. If TRUE content is appended to the file.
verbose	a logical to toggle verbosity.

**Value**

the list of Bibtex objects – invisibly.

**Author(s)**

Renaud Gaujoux, based on the function `Rpackages.bib` from Achim Zeileis (see *References*).

**References**

[R] *Creating bibtex file of all installed packages?* Achim Zeileis. R-help mailing list.

**Examples**

```
write.bib(c("bibtex", "utils", "tools"), file = "references")
bibs <- read.bib("references.bib")
write.bib(bibs, "references2.bib")
md5 <- tools::md5sum(c("references.bib", "references2.bib"))
md5[1] == md5[2]
```

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