

# Package ‘citr’

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**Type** Package

**Title** 'RStudio' Add-in to Insert Markdown Citations

**Description** Functions and an 'RStudio' add-in that search 'Bib(La)TeX'-files or 'Zotero' libraries (via the 'Better BibTeX' plugin) to insert formatted Markdown citations into the current document.

**Version** 0.3.2

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**URL** <https://github.com/crsh/citr>

**BugReports** <https://github.com/crsh/citr/issues>

**Depends** R (>= 3.0.0)

**Imports** RefManageR (>= 0.14.2), yaml (>= 2.1.13), rstudioapi (>= 0.6), miniUI (>= 0.1.1), shiny (>= 0.13.2), shinyjs (>= 1.0), assertthat (>= 0.1), methods (>= 3.0.0), curl (>= 1.1), httr (>= 1.3.1)

**Suggests** testthat (>= 1.0.2)

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** TRUE

**RoxygenNote** 6.1.0

**NeedsCompilation** no

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insert_citation	<i>Invoke RStudio add-in to insert Markdown citations</i>
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### Description

Invoke RStudio add-in to insert Markdown citations

### Usage

```
insert_citation(bib_file = getOption("citr.bibliography_path"),
  use_betterbiblatex = getOption("citr.use_betterbiblatex"),
  betterbiblatex_format = getOption("citr.betterbiblatex_format"),
  encoding = getOption("citr.encoding"))
```

### Arguments

bib_file	Character. Path to Bib(La)TeX-file. See details.
use_betterbiblatex	Logical. If use_betterbiblatex = TRUE references are imported from Zotero/Juris-M.
betterbiblatex_format	Character. Bibliography format to export from Zotero/Juris-M. Can be either "bibtex" or "biblatex". Ignored if use_betterbiblatex = FALSE. Requires that the <b>Better BibTeX</b> is installed and Zotero/Juris-M is running.
encoding	Character. Encoding of the Bib(La)TeX-file.

### Details

The path to the Bib(La)TeX-file can be set in the global options and is set to ./references.bib when the package is loaded. Once the path is changed in the RStudio addin, the global option is updated. If use\_betterbiblatex = TRUE references are imported from Zotero/Juris-M rather than from the Bib(La)TeX-file. The Bib(La)TeX-file is then updated to include the inserted reference.

If insert\_citation is called while the focus is on a R Markdown document, which includes a YAML front matter with paths to one or more bibliography files, bib\_file is ignored. Instead the file(s) from the YAML front matter are used.

The addin caches bibliographies to avoid unnecessary hard drive access. If the specified bibliography path or the file paths in the YAML header change the files are reloaded. To manually reload a bibliography at an unchanged location click the action link.

**Value**

Inserts selected Markdown citation(s) at current location.

**Examples**

```
## Not run:
  insert_citation()

## End(Not run)
```

---

```
load_betterbiblatex_bib
  Load bibliography from Zotero
```

---

**Description**

Load bibliography from Zotero

**Usage**

```
load_betterbiblatex_bib(encoding, betterbiblatex_format = "bibtex",
  exclude_betterbiblatex_library = NULL, increment_progress = FALSE)
```

**Arguments**

`encoding` Character. Encoding of the Bib(La)TeX-file.

`betterbiblatex_format` Character. Bibliography format to export from Zotero/Juris-M. Can be either "bibtex" or "biblatex". Ignored if `use_betterbiblatex = FALSE`. Requires that the **Better BibTeX** is installed and Zotero/Juris-M is running.

`exclude_betterbiblatex_library` Character. A vector of Zotero/Juris-M library names not to query.

`increment_progress` logical switch which will use the shiny function `incProgress` when TRUE. FALSE by default.

**Examples**

```
## Not run:
b <- load_betterbiblatex_bib(encoding = "UTF-8")

## End(Not run)
```

---

 md\_cite

*Insert citation in Markdown format*


---

### Description

Look up entries in bibliography and insert citation in Markdown format if exactly one match is returned.

### Usage

```
md_cite(x, in_paren = TRUE,
        bib_file = getOption("citr.bibliography_path"), cache = TRUE,
        use_betterbiblatex = getOption("citr.use_betterbiblatex"),
        encoding = getOption("citr.encoding"))
```

### Arguments

x	Character. Search terms used to filter bibliography (by author, year, title, and journal fields); Regex is supported.
in_paren	Logical. Determines if citation is in parentheses.
bib_file	Character. Path to Bib(La)TeX-file. See details.
cache	Logical. If cache = TRUE cached bibliography is used, if available. If cache = FALSE bibliography is re-imported on every function call.
use_betterbiblatex	Logical. If use_betterbiblatex = TRUE references are imported from Zotero/Juris-M.
encoding	Character. Encoding of the Bib(La)TeX-file.

### Details

The path to the BibTeX-file can be set in the global options and is set to `references.bib` when the package is loaded. Once the path is changed in the RStudio addin, the global option is updated. If `use_betterbiblatex = TRUE` references are imported from Zotero/Juris-M rather than from the Bib(La)TeX-file. The Bib(La)TeX-file is then updated to include the inserted reference.

### Value

If the bibliography contains exactly one match the formatted citation is returned, otherwise returns NULL. `md_cite` returns an in-text citation ("`@foo2016`"), `md_cite` returns an in-parenthesis citation ("`[@foo2016]`").

### See Also

[insert\\_citation](#)

**Examples**

```
## Not run:
  md_cite("foo 2016", bib_file = "references.bib")

## End(Not run)
```

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md_cite_zotero	<i>Insert citation in Markdown format from Zotero</i>
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**Description**

Look up entries in Zotero database and insert citation in Markdown format.

**Usage**

```
md_cite_zotero(in_paren = TRUE)
```

**Arguments**

`in_paren` Logical. Determines if citation is in parentheses.

**Details**

The path to the Bib(La)TeX-file can be set in the global options and is set to `references.bib` when the package is loaded. Once the path is changed in the RStudio addin, the global option is updated.

**Value**

If the bibliography contains exactly one match the formatted citation is returned, otherwise returns NULL. `md_cite` returns an in-text citation ("`@foo2016`"), `md_cite` returns an in-parenthesis citation ("`[@foo2016]`").

**See Also**

[insert\\_citation](#)

**Examples**

```
## Not run:
  md_cite_zotero()

## End(Not run)
```

---

 query\_bib

*Query bibliography*


---

### Description

Search entries in a bibliography.

### Usage

```
query_bib(x, bib_file = getOption("citr.bibliography_path"),
  cache = TRUE,
  use_betterbiblatex = getOption("citr.use_betterbiblatex"),
  betterbiblatex_format = getOption("citr.betterbiblatex_format"),
  exclude_betterbiblatex_library = getOption("citr.exclude_betterbiblatex_library"),
  encoding = getOption("citr.encoding"))
```

### Arguments

x	Character. Search terms used to filter bibliography (by author, year, title, and journal fields); Regex is supported.
bib_file	Character. Path to Bib(La)TeX-file. See details.
cache	Logical. If cache = TRUE cached bibliography is used, if available. If cache = FALSE bibliography is re-imported on every function call.
use_betterbiblatex	Logical. If use_betterbiblatex = TRUE references are imported from Zotero/Juris-M.
betterbiblatex_format	Character. Bibliography format to export from Zotero/Juris-M. Can be either "bibtex" or "biblatex". Ignored if use_betterbiblatex = FALSE. Requires that the <b>Better BibTeX</b> is installed and Zotero/Juris-M is running.
exclude_betterbiblatex_library	Character. A vector of Zotero/Juris-M library names not to query.
encoding	Character. Encoding of the Bib(La)TeX-file.

### Details

The path to the BibTeX-file can be set in the global options and is set to references.bib when the package is loaded. Once the path is changed in the RStudio addin, the global option is updated. If use\_betterbiblatex = TRUE references are imported from Zotero/Juris-M rather than from the Bib(La)TeX-file. The Bib(La)TeX-file is then updated to include the inserted reference.

### Value

Returns list of class `BibEntry` including all matching bibliography entries.

**See Also**

[md\\_cite](#), [insert\\_citation](#)

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tidy_bib_file	<i>Tidy bibliography file</i>
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**Description**

Removes duplicate and unneeded entries from a Bib(La)Tex-file.

**Usage**

```
tidy_bib_file(rmd_file, messy_bibliography, file = NULL,  
             encoding = getOption("citr.encoding"))
```

**Arguments**

rmd_file	Character. One or more paths to the R Markdown files that use the messy bibliography file.
messy_bibliography	Character. Path to the messy bibliography file.
file	Character. Path and name for the to-be-created tidy bibliography. If NULL the messy bibliography is replaced.
encoding	Character. The name of the encoding to be assumed. See the <a href="#">connection</a> .

**Examples**

```
NULL
```

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