

# Package ‘knitcitations’

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**Type** Package

**Title** Citations for knitr markdown files

**Version** 1.0-1

**Description** knitcitations provides the ability to create dynamic citations in which the bibliographic information is pulled from the web rather than having to be entered into a local database such as bibtex ahead of time. Knitcitations is primarily aimed at authoring in the R markdown format, and can provide outputs for web-based authoring such as linked text and tooltips over inline citations. Cite using a DOI, URL, or bibtex file key. See the package URL for details.

**URL** <https://github.com/cboettig/knitcitations>

**License** CC0

**VignetteBuilder** knitr

**Depends** R (>= 3.0)

**Imports** RefManageR (>= 0.8.2), digest, httr (>= 0.3)

**Suggests** testthat, knitr (>= 1.6)

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bibliography	<i>Generate the bibliography</i>
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**Description**

Generate the bibliography

**Usage**

```
bibliography(..., style = NULL)
```

**Arguments**

...	additional arguments passed to PrintBibliography,
style	the name of the journal style, e.g. "mla", "nature", "methods-in-ecology-and-evolution", etc. See details.

**Details**

Not that style will use the ordering rule set in BibOptions, but not the other formatting options (which will come from the CSL sheet instead). NOTE that csl formatting works only if reference has a DOI.

For non-trivial bibliographies, knittitations recommends authors use pandoc format, see cite\_options(cite\_format="pandoc"), and allow pandoc to generate the references list rather than rely on the bibliography() function. Pandoc has rich CSL support using any provided CSL file (see Pnadoc documentation for details) and is integrated into recent version of RStudio.

**Value**

a list of works cited

**Examples**

```

citet(citation("XML"))
citet(citation("digest"))
bibliography()
bibliography(sorting = 'ynt') # sort by year, then name, title
bibliography(sorting = 'ydnt') # sort by year, descending, then name, title
cleanbib()

# these examples require an internet connection
citet("Vos NeXML 2012")
citet("Boettiger Ross Hastings 2013")
bibliography(style="nature")
bibliography(style="nature", sorting = 'ynt') # obeys sorting rule

```

---

bib\_metadata

*get the full metadata for a citation / bibliographic object*


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**Description**

get the full metadata for a citation / bibliographic object

**Usage**

```
bib_metadata(x, BibEntry = TRUE, ...)
```

**Arguments**

x	a query or citation identifier, as in citep/citet, except that it must be a single query, not a list of multiple queries.
BibEntry	logical. Coerce to RefManager's BibEntry type?
...	additional arguments to query (see RCrossRef)

**Details**

This function is called internally by citep and citeq, but is also made available in the namespace for a user wanting to return the full citation object directly.

**Value**

a BibEntry (or bibentry, if requested) object with the required citation information.

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`citep`*citep - inline parenthetical citation*

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## Description

Generate an inline parenthetical citation

## Usage

```
citep(x, ...)
```

## Arguments

`x` a citation query, or list of queries for multiple citations. See details and examples  
`...` additional arguments for the search or formatting. See details.

## Details

the citation query can be any of: - A bibentry object, - An article or dataset DOI, - The URL to a website such as a scientific journal article page - A path to a PDF file (will attempt to extract citation info) - A search query string, such as part of the article title, year, or journal (Queries CrossRef) - The bibkey to anything that has already been cited. `knitcitations` will attempt to find the most complete citation information based on the information specified. In some cases that information may be incomplete. When using search queries rather than an exact reference (such as URL, DOI, pdf, or bibkey) the desired article may not be found or many not be uniquely determined by the string. The most relevant search result is returned, so consider refining search terms as necessary. See examples.

## Value

Format of the parenthetical citation will depend on configuration. Unless `citation_format = "pandoc"`, formatting is handled by `Citep`. See the arguments to `Citep` for details.

## Examples

```
# Cite an R package using the 'bibentry' object
citep(citation("RCurl"))

# Cite using a search query and an optional argument
citep("Chamberlain taxize", year="2013")
```

---

citet	<i>citet - inline parenthetical citation</i>
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## Description

Generate an inline parenthetical citation

## Usage

```
citet(x, ...)
```

## Arguments

x	a citation query, or list of queries for multiple citations. See details and examples
...	additional arguments for the search or formatting. See details.

## Details

the citation query can be any of: - A bibentry object, - An article or dataset DOI, - The URL to a website such as a scientific journal article page - A path to a PDF file (will attempt to extract citation info) - A search query string, such as part of the article title, year, or journal (Queries CrossRef) - The bibkey to anything that has already been cited. knitcitations will attempt to find the most complete citation information based on the information specified. In some cases that information may be incomplete. When using search queries rather than an exact reference (such as URL, DOI, pdf, or bibkey) the desired article may not be found or many not be uniquely determined by the string. The most relevant search result is returned, so consider refining search terms as necessary. See examples.

## Value

Format of the parenthetical citation will depend on configuration. Unless `citation_format = "pandoc"`, formatting is handled by Citet. See the arguments to Citet for details. knitcitations will automatically track what has been cited during the active R session until the citation log is reset

## Examples

```
# Cite an R package using the 'bibentry' object
citet(citation("RCurl"))

# Cite using a search query and an optional argument
citet("Chamberlain taxize", year="2013")
```

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cite_options	<i>Toggles for various citation options</i>
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**Description**

Toggles for various citation options

**Usage**

```

cite_options(citation_format = "compatibility", style = "text",
             hyperlink = FALSE, cite.style = "authoryear", super = FALSE,
             max.names = 4, longnamesfirst = FALSE, check.entries = FALSE, ...)

```

**Arguments**

citation_format	'pandoc', 'compatibility' (with version 0.5 or earlier), or 'text'
style	plain "text" style (default) inline citations, "markdown" style or or html style links to the hyperlink
hyperlink	Either logical (FALSE), or link "to.doc" (by DOI if available, otherwise to URL), or link "to.bib" section.
cite.style	Should inline textual citations use "authoryear", "numeric", or "authortitle" format?
super	logical, should numeric cite.style be a superscript?
max.names	numeric, maximum number of names to list before adding "et al."
longnamesfirst	logical. Should all authors be listed the first time a citation is used (rather than obeying max.names?)
check.entries	logical. Should error if any 'required' bibtex field is missing? Default FALSE
...	additional arguments to BibOptions

**Value**

updates the option specified for the duration of the session.

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cleanbib	<i>cleanbib</i>
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**Description**

cleanbib

**Usage**

```
cleanbib()
```

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greycite	<i>greycite citation method</i>
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**Description**

Grab citation data using the greycite API

**Usage**

```
greycite(url, format = c("bib", "json"))
```

**Arguments**

url	the website URL
format	have greycite return data in bib (bibtex) or json format?

**Value**

a bibentry class object

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read.bibtex	<i>read.bibtex</i>
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**Description**

read.bibtex

**Usage**

```
read.bibtex(file, .Encoding = "UTF-8", check = FALSE)
```

**Arguments**

file	string; bib file to parse.
.Encoding	encoding
check	error, warn, or logical FALSE. What action should be taken if an entry is missing required fields? FALSE means no checking is done, warn means entry is added with an error. error means the entry will not be added. See BibOptions.

---

record_as_cited	<i>record as cited</i>
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**Description**

adds a BibEntry object to the works cited list even if not cited with a call to citep/citet

**Usage**

```
record_as_cited(entry)
```

**Arguments**

entry	a BibEntry object (or something that can be coerced to one, like bibentry)
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**Value**

Adds the object to the citation list, with a BibTeX citation key that does not duplicate any that are already in the record. Invisibly returns the bibentry object.

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write.bibtex	<i>write a bibtex file</i>
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**Description**

write a bibtex file

**Usage**

```
write.bibtex(entry = NULL, file = "knitcitations.bib", append = FALSE,
  ...)
```

**Arguments**

entry	a 'bibentry' object, list of bibentry objects, or a character vector of package names. If NULL, writes all that have currently been cited.
file	output bibtex file. Will automatically append '.bib' if not added. if 'NULL' will use stdout.
append	a logical indicating that bibtex entries be added the the file. If FALSE (default), the file is overwritten.
...	additional arguments to WriteBib

**Value**

a list of citation information, invisibly



**See Also**

read.bib citep citet

**Examples**

```
write.bibtex(c(citation("knitr"),
               citation("knitcitations"),
               citation("RCurl")))
bib <- read.bibtex("knitcitations.bib")
```

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