

# Package ‘pakret’

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**Title** Cite 'R' Packages on the Fly in 'R Markdown' and 'Quarto'

**Version** 0.2.0

**Description** References and cites 'R' and 'R' packages on the fly in 'R Markdown' and 'Quarto'. 'pakret' provides a minimalistic API that generates preformatted citations of 'R' and 'R' packages, and adds their reference to a '.bib' file directly from within your document.

**License** GPL (>= 3)

**URL** <https://arnaudgallou.github.io/pakret/>,  
<https://github.com/arnaudgallou/pakret>

**BugReports** <https://github.com/arnaudgallou/pakret/issues>

**Depends** R (>= 3.6.0)

**Imports** knitr, readr (>= 1.0.0), rmarkdown, utils, withr (>= 2.5.0)

**Suggests** callr (>= 3.7.5), pkgload, testthat (>= 3.0.0), usethis

**Config/Needs/website** arnaudgallou/cygne

**Config/testthat/edition** 3

**Encoding** UTF-8

**RoxygenNote** 7.3.2

**NeedsCompilation** no

**Author** Arnaud Gallou [aut, cre, cph] (<<https://orcid.org/0000-0002-1002-4247>>)

**Maintainer** Arnaud Gallou <arangacas@gmail.com>

**Repository** CRAN

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pkrt	<i>Cite R or an R package</i>
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**Description**

Creates a preformatted citation of R or an R package. This function should normally only be used in an R Markdown or Quarto document, in which case `pkrt()` automatically references the cited package in the first (by default) `.bib` file specified in the YAML header if no references of the package already exist.

**Usage**

```
pkrt(pkg)
```

**Arguments**

`pkg` Name of the package to cite.

**Value**

A character string.

**Examples**

```
pkrt("pakret")
```

```
pkrt("R")
```

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pkrt_list	<i>Cite a collection of R packages</i>
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**Description**

Creates a list of package citations that can be turned into a character string or data frame. This function should normally only be used in an R Markdown or Quarto document, in which case `pkrt_list()` automatically references the cited packages in the first (by default) `.bib` file specified in the YAML header if no references of the packages already exist.

**Usage**

```
pkrt_list(...)
```

**Arguments**

`...` Character vectors, separated by commas, of packages to cite.

**Details**

This function automatically discards duplicate and base packages. You can use `pkrt_list()` in combination with `renv::dependencies()` to cite all the packages used in a project or directory.

**Value**

A list of package citations with S3 class `pkrt_list`.

**Examples**

```
# Create a list of citations
citations <- pkrt_list("pakret", "readr", "withr")

# You can then turn the citations into a character string
paste(citations, collapse = ", ")

# Or a data frame
as.data.frame(citations)
```

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pkrt\_set

*Configure pakret's settings*

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**Description**

This function allows you to configure pakret's settings, e.g. to customize citation templates or control which `.bib` file to save references to.

**Usage**

```
pkrt_set(...)
```

**Arguments**

... Key-value pairs, separated by commas, of parameters to set. See details.

**Details**

Valid parameters are:

- **bib** <character|numeric> = 1L Name or index of the `.bib` file to save references to.
- **pkg** <character> = "the ':pkg' package version :ver [:ref]" Template used to cite a package.
- **pkg\_list** <character> = "'':pkg' v. :ver [:ref]" Template used in `pkrt_list()`.
- **r** <character> = "R version :ver [:ref]" Template used to cite R.

New settings only apply to citations that come after `pkrt_set()`. This means that you can redefine the same settings multiple times in the same document to alter pakret's behavior for a few specific citations only.

Use `NULL` to reset a parameter to its default value.

**Value**

This function is called for its side-effect. It returns no value.

**Examples**

```
pkrt_set(pkg = ":pkg (v. :ver) :ref")  
pkrt("pakret")
```

```
# `NULL` resets parameters to their default value  
pkrt_set(pkg = NULL)  
pkrt("pakret")
```

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