

Package ‘rxivistr’

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Type Package

Title Tool for the 'Rxivist' API

Version 0.1.1

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Description

Client for Rxivist API <<https://rxivist.org/docs>>, used for accessing information about preprints and their authors. Rxivist indexes preprints from bioRxiv, a free online archive for preprints in biology and life sciences, by Cold Spring Harbor Laboratory.

Depends R (>= 3.5.0)

License GPL-3

Encoding UTF-8

LazyData true

Imports dplyr, curl, httr, jsonlite

RoxygenNote 7.1.0

Suggests knitr, rmarkdown, testthat, covr

VignetteBuilder knitr

URL <https://github.com/ikodvanj/rxivistr>

BugReports <https://github.com/ikodvanj/rxivistr/issues>

NeedsCompilation no

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Repository CRAN

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article_details	<i>Article details</i>
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Description

Retrieves data about a single paper and all of its authors

Usage

article_details(ID)

Arguments

ID Rxivist paper ID.

Value

Returns a list with details about the specified article.

Examples

article_details(72514)

article_downloads	<i>Article downloads</i>
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Description

Returns monthly download statistics for articles.

Usage

article_downloads(ID)

Arguments

ID Rxivist paper ID.

Value

Returns a data frame with information about monthly downloads for the specified article.

Examples

```
article_downloads(72514)
```

author	<i>Author</i>
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Description

Provides information about the specified author.

Usage

```
author(ID)
```

Arguments

ID Rxivist author ID.

Value

Returns a data frame with information about the specified author.

Examples

```
author(206102)
```

authors_rank	<i>Authors ranks</i>
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Description

Returns top 200 authors in specified category.

Usage

```
authors_rank(category = "")
```

Arguments

category Filters out results not related to the specified category. Category list can be viewed with `category_list` function. If filtering for a single category, this category can be specified as a string. If filtering for multiple categories, the argument must be specified as a vector, e.g. `category = c("zoology", "biophysics")`. If it is left as default, the function will return top 200 authors overall.

Value

Returns a data frame with the top 200 authors.

Examples

```
authors_rank("plant-biology")
```

category_list	<i>Category list</i>
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Description

Lists all categories

Usage

```
category_list()
```

Value

Returns a list with all article categories.

Examples

```
category_list()
```

check_args	<i>check_args</i>
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Description

Check arguments.

Usage

```
check_args(from, category, sortby)
```

Arguments

from	from argument
category	category argument
sortby	sortby argument

Value

Stops main function.

rxivist_search	<i>Search Rxivist</i>
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Description

Retrieves a articles with matching description.

Usage

```
rxivist_search(
  search_phrase = "",
  from = "alltime",
  category = "",
  sortby = "downloads",
  limit = 20
)
```

Arguments

search_phrase	Search phrase used for finding articles. Can be left empty.
from	Defines what timeframe to search. Can be alltime, ytd, lastmonth, day, week, month, year. Lastmonth and ytd can only be used with sortby set as downloads
category	Filters out results not related to the specified category. Category list can be viewed with category_list function. If filtering for a single category, this category can be specified as a string. If filtering for multiple categories, argument must be specified as a vector, e.g. category = c("zoology", "biophysics").
sortby	Sorts the results based on the number of downloads or twitter statistics.
limit	Number of results to retrieve.

Value

Returns a data frame with articles matching specified search criteria.

Examples

```
rxivist_search(search_phrase = "T-cells", from = "alltime", sortby = "twitter", limit = 5)
```

rxivist_stats	<i>rxivist stats</i>
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Description

Returns statistics on number of articles indexed by rxivist.

Usage

```
rxivist_stats()
```

Value

Returns a list with rxivist stats.

Examples

```
rxivist_stats()
```

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