# Package ‘rbiorxiv’

**July 13, 2020**

**Type** Package  
**Title** Client for the 'bioRxiv' API  
**Version** 0.2.0  
**Description** R client for interacting with the 'bioRxiv' API  

**License** MIT + file LICENSE  
**Encoding** UTF-8  
**LazyData** true  
**URL** https://github.com/nicholasmfraser/rbiorxiv  
**BugReports** https://github.com/nicholasmfraser/rbiorxiv/issues  
**Imports** httr (>= 1.4.0), jsonlite (>= 1.6.0)  
**RoxygenNote** 7.1.0  
**Suggests** testthat (>= 2.1.0), knitr, rmarkdown  
**VignetteBuilder** knitr  
**NeedsCompilation** no  
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**Repository** CRAN  
**Date/Publication** 2020-07-13 16:50:02 UTC

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biorxiv_content Retrieve details of bioRxiv or medRxiv preprints

Description
Retrieve details of bioRxiv or medRxiv preprints

Usage

biorxiv_content(
  server = "biorxiv",
  from = NULL,
  to = NULL,
  doi = NULL,
  limit = 100,
  skip = 0,
  format = "list"
)

Arguments

server (character) The preprint server to be queried; value must be one of "biorxiv" or "medrxiv". Default: biorxiv
from (date) The date from when details of preprints should be collected. Date must be supplied in YYYY-MM-DD format. Default: NULL
to (date) The date until when details of preprints should be collected. Date must be supplied in YYYY-MM-DD format. Default: NULL
doi (character) A single digital object identifier (DOI) of a preprint. doi cannot be used with from and to arguments. Default: NULL
limit (integer) The maximum number of results to return. Not relevant when querying a doi. Default: 100
skip (integer) The number of results to skip in a query. Default: 0
format (character) Return data in list list, json json or data frame df format. Default: list

Beware
Querying for a DOI will only work for DOIs associated with bioRxiv or medRxiv

Examples

# Get details of preprints deposited between 2018-01-01 and 2018-01-10
# By default, only the first 100 records are returned
biorxiv_content(from = "2018-01-01", to = "2018-01-10")
# Set a limit to return more than 100 records
biorxiv_content(from = "2018-01-01", to = "2018-01-10", limit = 200)

# Set limit as "*" to return all records
biorxiv_content(from = "2018-01-01", to = "2018-01-10", limit = "*")

# Skip the first 100 records
biorxiv_content(from = "2018-01-01", to = "2018-01-10",
                limit = 200, skip = 100)

# Specify the format to return data
biorxiv_content(from = "2018-01-01", to = "2018-01-10", format = "df")

# Lookup a preprint by DOI
biorxiv_content(doi = "10.1101/833400")

---

biorxiv_published  
Retrieve details of published articles with bioRxiv preprints

**Description**

Retrieve details of published articles with bioRxiv preprints

**Usage**

biorxiv_published(
  from = NULL,
  to = NULL,
  limit = 100,
  skip = 0,
  format = "list"
)

**Arguments**

from  (date) The date from when details of published articles should be collected. Date must be supplied in YYYY-MM-DD format. Default: NULL
to (date) The date until when details of published articles should be collected. Date must be supplied in YYYY-MM-DD format. Default: NULL
limit (integer) The maximum number of results to return. Not relevant when querying a doi. Default: 100
skip (integer) The number of results to skip in a query. Default: 0
format (character) Return data in list list, json json or data frame df format. Default: list
Examples

# Get details of articles published between 2018-01-01 and 2018-01-10
# By default, only the first 100 records are returned
biorxiv_published(from = "2018-01-01", to = "2018-01-10")

# Set a limit to return more than 100 records
biorxiv_published(from = "2018-01-01", to = "2018-01-10", limit = 200)

# Set limit as "*" to return all records
biorxiv_published(from = "2018-01-01", to = "2018-01-10", limit = "*")

# Skip the first 100 records
biorxiv_published(from = "2018-01-01", to = "2018-01-10",
                 limit = 200, skip = 100)

# Specify the format to return data
biorxiv_published(from = "2018-01-01", to = "2018-01-10", format = "df")

biorxiv_publisher  Retrieve details of published articles with bioRxiv preprints by a specific publisher

Description

Retrieve details of published articles with bioRxiv preprints by a specific publisher

Usage

biorxiv_publisher(
  prefix = NULL,       # (character) The prefix of a digital object identifier (DOI) associated with a publisher. Default: NULL
  from = NULL,         # (date) The date from when details of published articles should be collected. Date must be supplied in YYYY-MM-DD format. Default: NULL
  to = NULL,           # (date) The date until when details of published articles should be collected. Date must be supplied in YYYY-MM-DD format. Default: NULL
  limit = 100,         # (integer) The limit of records to return. Default: 100
  skip = 0,            # (integer) The number of records to skip. Default: 0
  format = "list"      # (character) The format of the output. Default: "list"
)

Arguments

prefix  (character) The prefix of a digital object identifier (DOI) associated with a publisher. Default: NULL

from    (date) The date from when details of published articles should be collected. Date must be supplied in YYYY-MM-DD format. Default: NULL

to      (date) The date until when details of published articles should be collected. Date must be supplied in YYYY-MM-DD format. Default: NULL
**biorxiv_summary**

<table>
<thead>
<tr>
<th>limit</th>
<th>(integer) The maximum number of results to return. Not relevant when querying a doi. Default: 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>skip</td>
<td>(integer) The number of results to skip in a query. Default: 0</td>
</tr>
<tr>
<td>format</td>
<td>(character) Return data in list, json, json or data frame df format. Default: list</td>
</tr>
</tbody>
</table>

**Examples**

# Get details of articles published by eLife (doi prefix = 10.7554)
# between 2018-01-01 and 2018-01-30
# By default, only the first 100 records are returned
biorxiv_publisher(prefix = "10.7554", from = "2018-01-01", to = "2018-01-30")

# Set a limit to return more than 100 records

# Set limit as "*" to return all records
biorxiv_publisher(prefix = "10.7554", from = "2018-01-01", to = "2018-01-30", limit = "*")

# Skip the first 100 records
biorxiv_publisher(prefix = "10.7554", from = "2018-01-01", to = "2018-01-30", limit = 200, skip = 100)

# Specify the format to return data
biorxiv_publisher(prefix = "10.7554", from = "2018-01-01", to = "2018-01-30", format = "df")

---

**biorxiv_summary**

*Retrieve summary statistics for deposits of bioRxiv content*

**Description**

Retrieve summary statistics for deposits of bioRxiv content

**Usage**

biorxiv_summary(interval = "m", format = "list")

**Arguments**

<table>
<thead>
<tr>
<th>interval</th>
<th>(character) Return either monthly m or yearly y data. Default: m</th>
</tr>
</thead>
<tbody>
<tr>
<td>format</td>
<td>(character) Return data in list, json, json or data frame df format. Default: list</td>
</tr>
</tbody>
</table>
biorxiv_usage

Examples

# Return a list of monthly deposit statistics
biorxiv_summary(interval = "m")

# Return data in a data frame
biorxiv_summary(interval = "m", format = "df")

# Return annual deposit statistics
biorxiv_summary(interval = "y")

biorxiv_usage Retrieve summary statistics for usage of bioRxiv content

Description
Retrieve summary statistics for usage of bioRxiv content

Usage
biorxiv_usage(interval = "m", format = "list")

Arguments

interval (character) Return either monthly m or yearly y data. Default: m

format (character) Return data in list list, json json or data frame df format. Default: list

Examples

# Return a list of monthly usage statistics
biorxiv_usage(interval = "m")

# Return data in a data frame
biorxiv_usage(interval = "m", format = "df")

# Return annual usage statistics
biorxiv_usage(interval = "y")
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