Package ‘rromeo’

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Type Package

Title Access Publisher Copyright & Self-Archiving Policies via the ‘SHERPA/RoMEO’ API

Version 0.1.0

Description Fetches information from the ‘SHERPA/RoMEO’ API <http://www.sherpa.ac.uk/romeo/apimanual.php> which indexes policies of journal regarding the archival of scientific manuscripts before and/or after peer-review as well as formatted manuscripts.

License GPL-3

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URL https://github.com/ropensci/rromeo

BugReports https://github.com/ropensci/rromeo/issues

NeedsCompilation no

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check_key

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| check_key                     | Check SHERPA/RoMEO API key |

Description

The key can be either specified in various ways see the Details section.

Usage

check_key(key = NULL)

Arguments

key [character(1)]
   a character string containing the API key or NULL (see Details section on how to specify it)

Details

There are several ways to provide your API key. The best way to know about them is to refer to the vignette about "Setting Up Your API key" accessible with the following command: vignette("setting_up_api_key", package = "rromeo"). You can also use rr_auth that will use the provided key to store it as an environmental variable.

Value

if found the character string of the key, NULL otherwise
parse_generic  

Generic parsing function

Description

Generic parsing function

Usage

parse_generic(api_answer, ...)

Arguments

api_answer  [httr::response()]
  The API answer

...  Other options passed to parsing functions

Value

either results from parse_journal() or parse_publisher()

rr_api_version  

Return SHERPA/RoMEO API version

Description

This function queries SHERPA/RoMEO and returns the version of the API.

Usage

rr_api_version()

Examples

rr_api_version()
**rr_auth**  
*Store provided API key into Environment Variable*

**Description**

This function stores the provided API key as an argument into an environment variable `SHERPAROME0_KEY` for further use by other `rromeo` functions.

**Usage**

```r
rr_auth(key)
```

**Arguments**

- **key**  
  [character(1)]  
  A string giving the API key to save into the environment

**Details**

For more information regarding API keys, please refer to dedicated vignette with the following command:

```r
vignette("setting_up_api_key", package = "rromeo")
```

**Examples**

```r
## Not run:
rr_auth("Iq83Al5bss")

## End(Not run)
```

---

**rr_GET**  
*rromeo internal GET function*

**Description**

rromeo internal GET function

**Usage**

```r
rr_GET(...)
```

**Arguments**

```r
...
```

additional parameter to `httr::GET`
Description
Find if journals are available in SHERPA/RoMEO

Usage

```r
rr_journal_find(name, qtype = c("exact", "contains", "starts"),
                 key = NULL)
```

Arguments

- `name` [character(1+)]
  one or several strings to match the titles of the journals
- `qtype` [character(1)]
  in: *"exact"* full title must be exactly to provided `name`, *"contains"* the provided name must appear anywhere in the title of the journal, *"starts"* the provided name must appear at the start of title of the journal.
- `key` [character(1)]
  a character string containing the API key or NULL (see Details section on how to specify it)

Details

There are several ways to provide your API key. The best way to know about them is to refer to the vignette about "Setting Up Your API key" accessible with the following command: `vignette("setting_up_api_key", package = "rromeo")`. You can also use `rr_auth` that will use the provided key to store it as an environmental variable.

Value

Returns a data frame:

- `title` [character(1)]
  the name of the journal
- `issn` [character(1)]
  the ISSN of the journal

Examples

```r
rr_journal_find(name = "Biostatistics", qtype = "contains")
```
Retrieve journal policy using ISSN

Description
Retrieve policy information from the SHERPA/RoMEO API using the ISSN of the journal

Usage
`rr_journal_issn(issn, key = NULL)`

Arguments
- `issn`: [character(1+)]
  one or a vector of journal(s) ISSN(s)
- `key`: [character(1)]
  a character string containing the API key or NULL (see Details section on how to specify it)

Details
There are several ways to provide your API key. The best way to know about them is to refer to the vignette about "Setting Up Your API key" accessible with the following command: `vignette("setting_up_api_key", package = "rromeo")`. You can also use `rr_auth` that will use the provided key to store it as an environmental variable.

Value
Returns a data.frame with complete information from journal:
- `title`: [character(1)]
  the name of the journal
- `issn`: [character(1)]
  the ISSN of the journal
- `romeocolour`: [character(1)]
  the SHERPA/RoMEO colour of the journal
- `preprint`: [character(1)]
  is the preprint (not reviewed) archivable?
- `postprint`: [character(1)]
  is the postprint (reviewed but not formatted)?
- `pdf`: [character(1)]
  is the publisher's version (reviewed and formatted)
- `pre_embargo`: [character(1)]
  if applicable the embargo period before the author(s) can archive the preprint
- `post_embargo`: [character(1)]
  if applicable the embargo period before the author(s) can archive the postprint
• pdf_embargo [character(1)]
  if applicable the embargo period before the author(s) can archive the publisher’s version

Examples

rr_journal_issn(issn = "1947-6264")
rr_journal_issn(issn = c("1947-6264", "0030-1299"))

Description

Note that SHERPARoMEO will not return more than 50 journals in a single query. The function will warn you if you are in this case.

Usage

rr_journal_name(name, qtype = c("exact", "contains", "starts"),
                 key = NULL)

Arguments

name [character(1+)]
one or several strings to match the titles of the journals
qtype [character(1)]
in: * "exact" full title must be exactly to provided name, * "contains" the provided name must appear anywhere in the title of the journal, * "starts" the provided name must appear at the start of title of the journal.
key [character(1)]
a character string containing the API key or NULL (see Details section on how to specify it)

Details

There are several ways to provide your API key. The best way to know about them is to refer to the vignette about "Setting Up Your API key" accessible with the following command: vignette("setting_up_api_key", package = "rromeo"). You can also use rr_auth that will use the provided key to store it as an environmental variable.
**Value**

Returns a data.frame with complete information from journal:

- **title [character(1)]**
  the name of the journal
- **issn [character(1)]**
  the ISSN of the journal
- **romeocolour [character(1)]**
  the SHERPA/RoMEO colour of the journal
- **preprint [character(1)]**
  is the preprint (not reviewed) archivable?
- **postprint [character(1)]**
  is the postprint (reviewed but not formatted)?
- **pdf [character(1)]**
  is the publisher's version (reviewed and formatted)
- **pre_embargo [character(1)]**
  if applicable the embargo period before the author(s) can archive the preprint
- **post_embargo [character(1)]**
  if applicable the embargo period before the author(s) can archive the postprint
- **pdf_embargo [character(1)]**
  if applicable the embargo period before the author(s) can archive the publisher's version

**Examples**

```r
rr_journal_name(name = "Journal of Geology")
nr_journal_name(name = "Biogeography", qtype = "contains")
# You can also query multiple journals with exact titles in a single call
rr_journal_name(name = c("Journal of Biogeography", "PLoS ONE"), qtype = "exact")
```

---

**rr_publisher_all**

*Get all Publisher Policies*

**Description**

Retrieve all data on publishers policies from SHERPA/RoMEO.

**Usage**

```r
rr_publisher_all(key = NULL)
```
**Arguments**

key [character(1)]
a character string containing the API key or NULL (see Details section on how to specify it)

**Details**

There are several ways to provide your API key. The best way to know about them is to refer to the vignette about "Setting Up Your API key" accessible with the following command: vignette("setting_up_api_key", package = "rr_romeo"). You can also use rr_auth that will use the provided key to store it as an environmental variable.

**Value**

Returns a data frame with the following columns:

- romeoid [integer(1)]
  the internal index of the publisher in the SHERPA/RoMEO database
- publisher [character(1)]
  the name of the publisher
- alias [character(1)]
  if applicable an alternative name of the publisher or the name of the specific publishing branch
- romeocolour [character(1)]
  a colour assigned by the database that reflects the default policies of the publisher
- preprint [character(1)]
  is the preprint (not reviewed) archivable?
- postprint [character(1)]
  is the postprint (reviewed but not formatted) archivable?
- pdf [character(1)]
  is the publisher’s version (reviewed and formatted) archivable?
Arguments

continent [character(1+)]
   one or a vector of strings in c("Africa", "Antarctica", "Asia", "Australasia", "Carribean", "Central America", "Europe", "North America", "Oceania", "South America")
   the continent name to retrieve

key [character(1)]
   a character string containing the API key or NULL (see Details section on how to specify it)

Details

There are several ways to provide your API key. The best way to know about them is to refer to the vignette about "Setting Up Your API key" accessible with the following command: vignette("setting_up_api_key", package = "rromeo"). You can also use rr_auth that will use the provided key to store it as an environmental variable.

Value

Returns a data frame with the following columns:

- romeoid [integer(1)]
   the internal index of the publisher in the SHERPA/RoMEO database

- publisher [character(1)]
   the name of the publisher

- alias [character(1)]
   if applicable an alternative name of the publisher or the name of the specific publishing branch

- romeocolour [character(1)]
   a colour assigned by the database that reflects the default policies of the publisher

- preprint [character(1)]
   is the preprint (not reviewed) archivable?

- postprint [character(1)]
   is the postprint (reviewed but not formatted) archivable?

- pdf [character(1)]
   is the publisher’s version (reviewed and formatted) archivable?

Examples

rr_publisher_continent(continent = "Caribbean")
rr_publisher_continent(continent = "Central America")
rr_publisher_continent(continent = c("Carribean", "Central America"))
*rr_publisher_country*  
Get Publisher Policy by Publisher's Country

**Description**


**Usage**

```r
tt_publisher_country(country, key = NULL)
```

**Arguments**

- `country` [character(1+)]
  one or a vector of ISO two-letter country code or AA for international publisher, ZZ for publisher of unknown countries and __ for publishers without specified country (case insensitive).
- `key` [character(1)]
  a character string containing the API key or NULL (see Details section on how to specify it)

**Details**

There are several ways to provide your API key. The best way to know about them is to refer to the vignette about "Setting Up Your API key" accessible with the following command: `vignette("setting_up_api_key", package = "rromeo")`. You can also use `rr_auth` that will use the provided key to store it as an environmental variable.

**Value**

Returns a data frame with the following columns:

- `romeoid` [integer(1)]
  the internal index of the publisher in the SHERPA/RoMEO database
- `publisher` [character(1)]
  the name of the publisher
- `alias` [character(1)]
  if applicable an alternative name of the publisher or the name of the specific publishing branch
- `romeocolour` [character(1)]
  a colour assigned by the database that reflects the default policies of the publisher
- `preprint` [character(1)]
  is the preprint (not reviewed) archivable?
- `postprint` [character(1)]
  is the postprint (reviewed but not formatted) archivable?
- `pdf` [character(1)]
  is the publisher's version (reviewed and formatted) archivable?
Examples

```r
# Taiwan
rr_publisher_country("TW")
# Egypt
rr_publisher_country("EG")
rr_publisher_country(c("TW", "EG"))
```

---

### rr_publisher_id

**Get Publisher Policy from Publisher ID**

#### Description

Use SHERPA/RoMEO API to retrieve a specific publisher policies on manuscript archival

#### Usage

```r
rr_publisher_id(id, key = NULL)
```

#### Arguments

- **id**
  - Type: [integer(1+)]
  - Description: one or a vector of SHERPA/RoMEO publisher’s ID

- **key**
  - Type: [character(1)]
  - Description: a character string containing the API key or NULL (see Details section on how to specify it)

#### Details

There are several ways to provide your API key. The best way to know about them is to refer to the vignette about "Setting Up Your API key" accessible with the following command: `vignette("setting_up_api_key", package = "rromeo")`. You can also use `rr_auth` that will use the provided key to store it as an environmental variable.

#### Value

Returns a data frame with the following columns:

- **romeoid**[integer(1)]
  - the internal index of the publisher in the SHERPA/RoMEO database

- **publisher**[character(1)]
  - the name of the publisher

- **alias**[character(1)]
  - if applicable an alternative name of the publisher or the name of the specific publishing branch

- **romeocolour**[character(1)]
  - a colour assigned by the database that reflects the default policies of the publisher
• preprint [character(1)]
  is the preprint (not reviewed) archivable?
• postprint [character(1)]
  is the postprint (reviewed but not formatted) archivable?
• pdf [character(1)]
  is the publisher’s version (reviewed and formatted) archivable?

Examples

rr_publisher_id(id = 55)
rr_publisher_id(id = c(55, 735))

Description

Use SHERPA/RoMEO API to retrieve a specific publisher policies on manuscript archival based on matching the name of the publishers.

Usage

rr_publisher_name(name, qtype = c("all", "any", "exact"), key = NULL)

Arguments

name [character(1+)]
  One or a vector of query string(s) to search publisher name
qtype [character(1)]
  in c("all", "any", "exact") define the type of matching:
  • all means that all strings in name must appear in any order or location
  • any means that at least one of the strings in name must appear
  • exact means that the name string must appear in the publisher’s name or its alias.
key [character(1)]
  a character string containing the API key or NULL (see Details section on how to specify it)

Details

There are several ways to provide your API key. The best way to know about them is to refer to the vignette about "Setting Up Your API key" accessible with the following command: vignette("setting_up_api_key", package = "rromeo"). You can also use rr_auth that will use the provided key to store it as an environmental variable.
Value

Returns a data frame with the following columns:

- romeoid [integer(1)]
  the internal index of the publisher in the SHERPA/RoMEO database
- publisher [character(1)]
  the name of the publisher
- alias [character(1)]
  if applicable an alternative name of the publisher or the name of the specific publishing branch
- romeocolour [character(1)]
  a colour assigned by the database that reflects the default policies of the publisher
- preprint [character(1)]
  is the preprint (not reviewed) archivable?
- postprint [character(1)]
  is the postprint (reviewed but not formatted) archivable?
- pdf [character(1)]
  is the publisher’s version (reviewed and formatted) archivable?

Examples

rr_publisher_name(name = "Optical Society", qtype = "all")
rr_publisher_name(name = "Swiss Chemistry", qtype = "any")
rr_publisher_name(name = "Swiss Chemistry", qtype = "exact")

Description

SHERPA/RoMEO classifies publisher in different colours depending on their archiving policies.

- **green** publishers let authors archive preprint and postprint or publisher’s version/PDF,
- **blue** publishers let authors archive postprint or publisher’s version/PDF,
- **yellow** publishers let authors archive preprint,
- **white** publishers do not formally support archival.

Usage

rr_romeo_colour(romeo_colour = c("green", "blue", "yellow", "white"),
  key = NULL)
**Arguments**

- **romeo_colour** [character(1)]
  
in c("green", "blue", "yellow", "white") the SHERPA/RoMEO colour to retrieve

- **key** [character(1)]
  
a character string containing the API key or NULL (see Details section on how to specify it)

**Details**

For more details about the definitions of RoMEO colours check the [FAQ section](https://sherpa-romeo.org/) of SHERPA/RoMEO

Note that when using `rr_romeo_colour()` the API returns **all** the publishers in the selected category, so the results are generally bigger in size than specific functions like `rr_journal_name()` or `rr_publisher_id()`

**Value**

Returns a data frame with the following columns:

- **romeoid** [integer(1)]
  
  the internal index of the publisher in the SHERPA/RoMEO database

- **publisher** [character(1)]
  
  the name of the publisher

- **alias** [character(1)]
  
  if applicable an alternative name of the publisher or the name of the specific publishing branch

- **romeocolour** [character(1)]
  
  a colour assigned by the database that reflects the default policies of the publisher

- **preprint** [character(1)]
  
  is the preprint (not reviewed) archivable?

- **postprint** [character(1)]
  
  is the postprint (reviewed but not formatted) archivable?

- **pdf** [character(1)]
  
  is the publisher's version (reviewed and formatted) archivable?

**Examples**

```r
rr_romeo_colour(romeo_colour = "green")
```
Description

rr_ua

Usage

rr_ua()
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