Package 'jstager'

June 10, 2024

Type Package

Title Retrieve Information Published on J-STAGE

Version 0.0.2

Description Provides tools to access the J-STAGE WebAPI and retrieve information published on J-STAGE <https://www.jstage.jst.go.jp/browse/-char/ja>.

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Encoding UTF-8

Depends R (>= 2.10)

Imports httr, xml2, rvest, tibble, dplyr, openxlsx

RoxygenNote 7.3.1

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

URL <https://github.com/takeshinishimura/jstager>

BugReports <https://github.com/takeshinishimura/jstager/issues>

NeedsCompilation no

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Repository CRAN

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get_jstage_articles   *Get J-Stage Articles List*

Description

Retrieves a list of articles published on J-STAGE, including detailed information such as publication date and bibliographic metadata.

Usage

```
get_jstage_articles(
  pubyearfrom = NA,
  pubyearto = NA,
  material = "",
  article = "",
  author = "",
  affil = "",
  keyword = "",
  abst = "",
  text = "",
  issn = "",
  cdjournal = "",
  sortflg = NA,
  vol = NA,
  no = NA,
  start = NA,
  count = NA,
  lang = "ja"
)
```

Arguments

pubyearfrom	An integer specifying the starting publication year (in YYYY format).
pubyearto	An integer specifying the ending publication year (in YYYY format).
material	A character string specifying the material name (partial match search, case insensitive).
article	A character string specifying the article title (partial match search, case insensitive).
author	A character string specifying the author name (partial match search, case insensitive).
affil	A character string specifying the affiliation (partial match search, case insensitive).
keyword	A character string specifying the keyword (partial match search, case insensitive).
abst	A character string specifying the abstract (partial match search, case insensitive).

text	A character string specifying the full text (partial match search, case insensitive).
issn	A character string specifying the ISSN (exact match search in XXXX-XXXX format).
cdjournal	A character string specifying the journal code.
sortflg	An integer specifying the sort flag: 1 for score order, 2 for volume, issue, and page order (default is 1).
vol	An integer specifying the volume (exact match).
no	An integer specifying the issue number (exact match).
start	An integer specifying the starting index for the search results.
count	An integer specifying the number of search results to retrieve (up to 1,000).
lang	A character string specifying the language for column names: "ja" for Japanese (default is "ja").

Value

A list containing metadata and entry data frames with the search results.

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get_jstage_volumes   *Get J-Stage Volumes and Issues List*

Description

Retrieves a list of volumes and issues published on J-STAGE.

Usage

```
get_jstage_volumes(
  pubyearfrom = NA,
  pubyearto = NA,
  material = "",
  issn = "",
  cdjournal = "",
  volorder = NA,
  lang = "ja"
)
```

Arguments

pubyearfrom	An integer specifying the starting publication year (in YYYY format).
pubyearto	An integer specifying the ending publication year (in YYYY format).
material	A character string specifying the material name (exact match search).
issn	A character string specifying the ISSN (exact match search in XXXX-XXXX format).
cdjournal	A character string specifying the journal code.

volorder	An integer specifying the order of volumes: 1 for ascending, 2 for descending (default is 1).
lang	A character string specifying the language for column names: "ja" for Japanese (default is "ja").

Value

A list containing metadata and entry data frames with the search results.

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jstage_metadata	*Scrape J-STAGE Article Metadata*

Description

Scrapes all available metadata from a J-STAGE article.

Usage

```
jstage_metadata(url, bibtex_file_name = "")
```

Arguments

url	The URL of the J-STAGE article.
bibtex_file_name	
	The file name to save the BibTeX entry. If empty, no file is saved.

Value

A list containing the article metadata.

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write_jstage_to_excel	*Write J-Stage Data to Excel File*

Description

Writes the J-Stage search results to an Excel file.

Usage

```
write_jstage_to_excel(data, file_name)
```

Arguments

data	A list containing the metadata and entry data frames obtained from J-Stage.
file_name	A character string specifying the name of the Excel file to save the data.

Value

None. The function writes data to an Excel file.

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