

Package ‘jstager’

June 22, 2024

Type Package

Title Retrieve Information Published on J-STAGE

Version 0.0.3

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

Author Takeshi Nishimura [aut, cph, cre]
(<https://orcid.org/0000-0003-1761-4300>>)

Maintainer Takeshi Nishimura <takenishi@gmail.com>

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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,  
  pubyearsto = NA,  
  material = "",  
  article = "",  
  author = "",  
  affil = "",  
  keyword = "",  
  abst = "",  
  text = "",  
  issn = "",  
  cdjournal = "",  
  sortflg = NA,  
  vol = NA,  
  no = NA,  
  start = NA,  
  count = NA,  
  sep = "\n",  
  lang = "ja"  
)
```

Arguments

| | |
|-------------|---|
| pubyearfrom | An integer specifying the starting publication year (in YYYY format). |
| pubyearsto | 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). |
| sep | A character string to separate multiple authors' names. Default is "\n". |
| 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.

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.

| | |
|-----------------|--|
| jstage_metadata | <i>Scrape J-STAGE Article Metadata</i> |
|-----------------|--|

Description

Scrapes all available metadata from a J-STAGE article.

Usage

```
jstage_metadata(url, collapse = NULL, pdf_path = NULL, bibtex_path = NULL)
```

Arguments

| | |
|-------------|---|
| url | The URL or DOI of the J-STAGE article. |
| collapse | A character string to separate multiple authors' names and keywords. If you are unsure which string to use, please specify "\n". |
| pdf_path | The path where the PDF file of the article will be downloaded. If pdf_path is not NULL, the PDF file will be downloaded to the specified location. Specify "." to save the file in the working directory. |
| bibtex_path | The path to save the BibTeX entry. If bibtex_path is not NULL, a BibTeX file will be saved. Specify "." to save the file in the working directory. |

Value

A list containing the article metadata.

`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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