

Package ‘gerefer’

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Type Package

Title Preparer of Main Scientific References for Automatic Insertion
in Academic Papers

Version 0.1.2

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Description Generates a file, containing the main scientific references, prepared to be automatically inserted into an academic paper.
The articles present in the list are chosen from the main references generated, by function `principal_list()`, of the package 'bibliorefer'.
The generated file contains the list of metadata of the principal references in 'BibTex' format.
Massimo Aria, Corrado Cuccurullo. (2017) <doi:10.1016/j.joi.2017.08.007>.
Caibo Zhou, Wenyan Song. (2021) <doi:10.1016/j.jclepro.2021.126943>.
Hamid Derviş. (2019) <doi:10.5530/jscires.8.3.32>.

License GPL-3

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Imports bibliorefer

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article_bib	<i>Preparer of main references for automatic insertion in scientific articles</i>
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Description

The article_bib function prepares the metadata of the main scientific references to be automatically included in a scientific article. Initially, the user obtains the list of main references using the principal_list function from the bibliorefer package. Then, read the articles, choose the ones you prefer, and display the positions of these articles in the input parameter, position_artic, of the article_bib function. The article_bib function internally calls the gerard_list and bibtex_list functions. The gerard_list function separates and organizes the metadata, of each of the articles in the list chosen by the user, and stores them in a dataframe. Then, the bibtex_list function is applied to the set of metadata organized in the dataframe and converts it to the BibTex style. The output of the article_bib function is the file with the .bib extension, containing the list of references in BibTex format, prepared to be automatically included in the reference list of a scientific paper.

Usage

```
article_bib(  
  input_date,  
  input_tam,  
  position_artic,  
  total_list,  
  input_linkdateaccess  
)
```

Arguments

- input_date is a dataframe with the scientific production database obtained of colection WoS, Scopus and others
- input_tam is the length of the dataframe with the main scientifics articles, obtained using package bibliorefer.

position_artic is a parameter that shows the positions of the articles in the main list, obtained using package *bibliorefer*, chosen to be included in the reference list of a scientific paper. If part of the list is used, the set of articles is presented through a sequence or a concatenated set. If the complete list is used, the complete sequence is created

total_list is the parameter that defines whether all articles from the main list, obtained using package *bibliorefer*, will be used or not. This parameter contains the logical values TRUE or FALSE. If the full list is used, the value is TRUE. Otherwise, if a part of the list is used, the value is FALSE

input_linkdateaccess is the parameter that shows the list of links and access dates of the chosen scientific articles

Value

This function returns a file with the .bib extension, containing the list of references in bibtex format, prepared to be automatically included in the reference list of a scientific paper.

References

1 - Aria, M. & Cuccurullo, C. (2017) *bibliometrix*: An R-tool for comprehensive science mapping analysis, *Journal of Informetrics*, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. *Radiologia (Engl Ed)*. 2021 May-Jun;63(3):228-235.

Examples

```
# Example 1 - Concatenated position article

# File of database
file_db <- system.file("extdata", "example_databaseart.csv", package = "gerefer")

file_base <- system.file("extdata", "tabarticle_example1.csv", package = "gerefer")

input_date <- example_databaseart(file_db)
input_tam <- 20
total_list <- FALSE
position_artic <- c(1,2,4,5,9,11,14,16,19,20)
input_linkdateaccess <- basede_linkdate(file_base)

#Calls the function article_bib
lister_bibtex <- article_bib(input_date, input_tam, position_artic,
total_list, input_linkdateaccess)
lister_bibtex

# Example 2 - Position article in initial sequence

# File of database
file_db <- system.file("extdata", "example_databaseart.csv", package = "gerefer")

file_base <- system.file("extdata", "tabarticle_example2.csv", package = "gerefer")
```

```

# Parameters of the function
input_date <- example_databaseart(file_db)
input_tam <- 20
total_list <- FALSE
position_artic <- seq(1,10,1)
input_linkdateaccess <- basede_linkdate(file_base)

#Calls the function article_bib
lister_bibtex <- article_bib(input_date, input_tam, position_artic,
total_list, input_linkdateaccess)
lister_bibtex

# Example 3 - Position article in final sequence

# File of database
file_db <- system.file("extdata","example_databaseart.csv", package = "gerefer")

file_base <- system.file("extdata","tabarticle_example3.csv", package = "gerefer")

# Parameters of the function
input_date <- example_databaseart(file_db)
input_tam <- 20
total_list <- FALSE
position_artic <- seq(11,20,1)
input_linkdateaccess <- basede_linkdate(file_base)

#Calls the function article_bib
lister_bibtex <- article_bib(input_date, input_tam, position_artic,
total_list, input_linkdateaccess)
lister_bibtex

# Example 4 - Position article total sequence

# File of database
file_db <- system.file("extdata","example_databaseart.csv", package = "gerefer")

file_base <- system.file("extdata","tabela_acessototal.csv", package = "gerefer")

# Parameters of the function
input_date <- example_databaseart(file_db)
input_tam <- 20
total_list <- TRUE
position_artic <- seq(1,20,1)
input_linkdateaccess <- basede_linkdate(file_base)

#Calls the function article_bib
lister_bibtex <- article_bib(input_date, input_tam, position_artic,
total_list, input_linkdateaccess)
lister_bibtex

```

basede_linkdate	<i>Function that reads the database of links and access dates of articles</i>
-----------------	---

Description

The basede_linkdate function reads a csv file containing the links and access dates of scientific articles, selected and represented by the sequence present in the position_artic parameter. The function returns a dataframe that will be used by the gerefer package.

Usage

```
basede_linkdate(path_date)
```

Arguments

path_date is a directory path containing the csv file

Value

The function returns a table containing the links and access dates of the chosen scientific articles.

References

Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier

Examples

```
#Call the function of links and access data

file_base <- system.file("extdata","tabarticle_example1.csv", package = "gerefer")
dateaccess_link <- basede_linkdate(file_base)
dateaccess_link
```

bookcap_bib	<i>Function to prepare metadata from book chapters for automatic insertion into scientific articles</i>
-------------	---

Description

The bookcap_bib function prepares the metadata of book chapters to be automatically included in a scientific article. The bookcap_bib function internally calls two support functions. The output of the bookcap_bib function is the file with the .bib extension, of the book chapters in BibTex format, prepared to be automatically included in the reference list of a scientific article.

Usage

```
bookcap_bib(input_date, input_tam)
```

Arguments

input_date	is a dataframe with the scientific production database in the form of a book chapters
input_tam	is the length of the dataframe with the main scientifics articles, obtained using package bibliorefer.

Value

The output of the bookcap_bib function is the file with the .bib extension, of the book chapters in BibTex format, prepared to be automatically included in the reference list of a scientific article.

References

1 - Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. Radiologia (Engl Ed). 2021 May-Jun;63(3):228-235.

Examples

```
# Example

# File of database
file_db <- system.file("extdata","bookcap.csv", package = "gerefer")
separator <- ";"

# Parameters of the function
input_date <- example_database(file_db, separator)
input_tam <- 10

#Calls the function bookcap_bib
bookcaplister_bibtex <- bookcap_bib(input_date, input_tam)
```

bookcaplister_bibtex

bookinstsub_bib	<i>Function for preparing metadata of institutional book chapters for automatic insertion into scientific articles</i>
-----------------	--

Description

The bookinstsub_bib function prepares the metadata of institutional book chapters to be automatically included in a scientific article. The bookinstsub_bib function internally calls two support functions. The output of the bookinstsub_bib function is the file with the .bib extension of institutional book chapters in BibTeX format, prepared to be automatically included in the reference list of a scientific article.

Usage

```
bookinstsub_bib(input_date, input_tam)
```

Arguments

input_date	is a dataframe with the scientific production database in the form of a institutional books chapters.
input_tam	is the length of the dataframe with the institutional books chapters, obtained using package bibliorefer.

Value

The output of the bookinstsub_bib function is the file with the .bib extension of institutional book chapters in BibTeX format, prepared to be automatically included in the reference list of a scientific article.

References

1 - Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. Radiologia (Engl Ed). 2021 May-Jun;63(3):228-235.

Examples

```
# Example

# File of database
file_db <- system.file("extdata", "compinst2.csv", package = "gerefer")
separator <- ";"
```

```
# Parameters of the function
input_date <- example_database(file_db, separator)
input_tam <- 6

#Calls the function bookinstsub_bib
bookinstsublister_bibtex <- bookinstsub_bib(input_date, input_tam)
bookinstsublister_bibtex
```

bookinst_bib	<i>Function for preparing institutional book metadata for automatic insertion into scientific articles</i>
--------------	--

Description

The bookinst_bib function prepares the metadata of institutional books to be automatically included in a scientific article. The bookinst_bib function internally calls two support functions. The output of the bookinst_bib function is the file with the .bib extension of institutional books in BibTex format, prepared to be automatically included in the reference list of a scientific article.

Usage

```
bookinst_bib(input_date, input_tam)
```

Arguments

input_date	is a dataframe with the scientific production database in the form of a institutional books
input_tam	is the length of the dataframe with the institutional books, obtained using package bibliorefer.

Value

The output of the bookinst_bib function is the file with the .bib extension of institutional books in BibTex format, prepared to be automatically included in the reference list of a scientific article.

References

1 - Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. Radiologia (Engl Ed). 2021 May-Jun;63(3):228-235.

Examples

```
# Example

# File of database
file_db <- system.file("extdata","compinst.csv", package = "gerefer")
separator <- ";"

# Parameters of the function
input_date <- example_database(file_db, separator)
input_tam <- 5

#Calls the function bookcap_bib
bookinstlister_bibtex <- bookinst_bib(input_date, input_tam)
bookinstlister_bibtex
```

bookorg_bib	<i>Function for preparing book metadata with organizers for automatic insertion into scientific articles</i>
-------------	--

Description

The bookorg_bib function prepares the metadata of books with organizers to be automatically included in a scientific article. The bookorg_bib function internally calls two support functions. The output of the bookorg_bib function is the file with the .bib extension of books with organizers in BibTex format, prepared to be automatically included in the reference list of a scientific article.

Usage

```
bookorg_bib(input_date, input_tam)
```

Arguments

input_date	is a dataframe with the scientific production database in the form of a book with organizers
input_tam	is the length of the dataframe with the book with organizers, obtained using package bibliorefer.

Value

The output of the bookorg_bib function is the file with the .bib extension of books with organizers in BibTex format, prepared to be automatically included in the reference list of a scientific article.

References

1 - Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. Radiologia (Engl Ed). 2021 May-Jun;63(3):228-235.

Examples

```
# Example

# File of database
file_db <- system.file("extdata","bookorg.csv", package = "gerefer")
separator <- ";"

# Parameters of the function
input_date <- example_database(file_db, separator)
input_tam <- 9

#Calls the function bookorg_bib
bookorglister_bibtex <- bookorg_bib(input_date, input_tam)
bookorglister_bibtex
```

book_bib	<i>Function to prepare book metadata for automatic insertion into scientific articles</i>
----------	---

Description

The book_bib function prepares the metadata of books to be automatically included in a scientific article. The book_bib function internally calls two support functions. The output of the book_bib function is the file with the .bib extension, of the books in BibTex format, prepared to be automatically included in the reference list of a scientific article.

Usage

```
book_bib(input_date, input_tam)
```

Arguments

input_date	is a dataframe with the scientific production database in the form of a books
input_tam	is the length of the dataframe with the main scientifics articles, obtained using package bibliorefer.

Value

The output of the book_bib function is the file with the .bib extension, of the books in BibTex format, prepared to be automatically in the list of references of a scientific article.

References

1 - Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. Radiologia (Engl Ed). 2021 May-Jun;63(3):228-235.

Examples

```
# Example

# File of database
file_db <- system.file("extdata","livro.csv", package = "gerefer")
separator <- ";"

# Parameters of the function
input_date <- example_database(file_db, separator)
input_tam <- 5

#Calls the function book_bib
booklist_bibtex <- book_bib(input_date, input_tam)
booklist_bibtex
```

congresso_bib	<i>Function to prepare metadata of the main conference articles for automatic insertion into scientific articles</i>
---------------	--

Description

The `congresso_bib` function prepares the metadata of the main conference articles to be automatically included in a scientific article. The `congresso_bib` function internally calls two support functions. The output of the `congresso_bib` function is the file with the .bib extension, containing the list of references of conference articles in BibTeX format, prepared to be automatically included in the list of references of a scientific article.

Usage

```
congresso_bib(input_date, input_tam)
```

Arguments

<code>input_date</code>	is a dataframe with the scientific production database in the form of a monograph
<code>input_tam</code>	is the length of the dataframe with the main scientifics articles, obtained using package <code>bibliorefer</code> .

Value

The output of the `congresso_bib` function is the file with the .bib extension, containing the list of references of conference articles in BibTeX format, prepared to be automatically included in the list of references of a scientific article.

References

1 - Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. Radiologia (Engl Ed). 2021 May-Jun;63(3):228-235.

Examples

```
# Example 1 - Concatenated position article

# File of database
file_db <- system.file("extdata","congresso.csv", package = "gerefer")
separator <- ";"

# Parameters of the function
input_date <- example_database(file_db, separator)
input_tam <- 7

#Calls the function congresso_bib
congressolister_bibtex <- congresso_bib(input_date, input_tam)
congressolister_bibtex
```

dissert_bib	<i>Function to prepare metadata of the main dissertations for automatic insertion into scientific articles</i>
-------------	--

Description

The dissert_bib function prepares the metadata of the main dissertations to be automatically included in a scientific article. The dissert_bib function internally calls two support functions. The output of the dissert_bib function is the file with the .bib extension, containing the list of dissertation references in BibTex format, prepared to be automatically included in the reference list of a scientific article.

Usage

```
dissert_bib(input_date, input_tam)
```

Arguments

input_date	is a dataframe with the scientific production database in the form of a dissertation
input_tam	is the length of the dataframe with the main scientifics dissertation, obtained using package bibliorefer.

Value

The output of the `dissert_bib` function is the file with the `.bib` extension, containing the list of dissertation references in BibTeX format, prepared to be automatically included in the reference list of a scientific article.

References

1 - Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, *Journal of Informetrics*, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. *Radiologia (Engl Ed)*. 2021 May-Jun;63(3):228-235.

Examples

```
# Example

# File of database
file_db <- system.file("extdata","dissertacao.csv", package = "gerefer")
separator <- ";"

# Parameters of the function
input_date <- example_database(file_db, separator)
input_tam <- 10

#Calls the function monograf_bib
dissertlister_bibtex <- dissert_bib(input_date, input_tam)
dissertlister_bibtex
```

example_database	<i>Function that generates the test database</i>
------------------	--

Description

The `example_database` function reads a csv file available on the computer system and returns a dataframe as an example of a database to be used by the functions of the `bibliorefer` package

Usage

```
example_database(path_date, separator)
```

Arguments

<code>path_date</code>	is a directory path containing the csv file
<code>separator</code>	is the separator for files in csv format

Value

This function return is a dataframe with database

References

Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier

Examples

```
#Call the example_database function

file_db <- system.file("extdata","example_database.csv", package = "gerefer")
separator <- ";"
date_sreference <- example_database(file_db, separator)
date_sreference
```

example_databaseart	<i>Function that generates the test database</i>
---------------------	--

Description

The example_database function reads a csv file available on the computer system and returns a dataframe as an example of a database to be used by the functions of the bibliorefer package

Usage

```
example_databaseart(path_date)
```

Arguments

path_date is a directory path containing the csv file

Value

This function return is a dataframe with database

References

Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier

Examples

```
#Call the example_database function

file_db <- system.file("extdata","example_databaseart.csv", package = "gerefer")

date_sreference <- example_databaseart(file_db)
date_sreference
```

jurdou_bib	<i>Function to prepare metadata for the main laws containing the DOU for automatic insertion into scientific articles</i>
------------	---

Description

The jurdou_bib function prepares the metadata of laws containing DOU to be automatically included in a scientific article. The jurdou_bib function internally calls two support functions. The output of the jurdou_bib function is the file with the .bib extension, of the laws containing DOU in BibTex format, prepared to be automatically included in the scientific reference list.

Usage

```
jurdou_bib(input_date, input_tam)
```

Arguments

input_date	is a dataframe with the scientific production database in the form of laws containing DOU
input_tam	is the length of the dataframe with the laws containing DOU, obtained using package bibliorefer.

Value

The output of the jurdou_bib function is the file with the .bib extension, of the laws containing DOU in BibTex format, prepared to be automatically included in the scientific reference list.

References

1 - Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. Radiologia (Engl Ed). 2021 May-Jun;63(3):228-235.

Examples

```
# Example

# File of database
file_db <- system.file("extdata","leicomdou.csv", package = "gerefer")
separator <- ";"

# Parameters of the function
input_date <- example_database(file_db, separator)
input_tam <- 2

#Calls the function jurdou_bib
jurdou_bibtex <- jurdou_bib(input_date, input_tam)
jurdou_bibtex
```

jur_bib	<i>Function to prepare metadata of the main laws for automatic insertion into scientific articles</i>
---------	---

Description

The jur_bib function prepares the metadata of laws to be automatically included in a scientific article. The jur_bib function internally calls two support functions. The output of the jur_bib function is the file with the .bib extension, of the laws in BibTex format, prepared to be automatically included in the reference list of a scientific article.

Usage

```
jur_bib(input_date, input_tam)
```

Arguments

input_date	is a dataframe with the scientific production database in the form of a laws
input_tam	is the length of the dataframe with the main scientifics articles, obtained using package bibliorefer.

Value

The output of the jur_bib function is the file with the .bib extension, of the laws in BibTex format, prepared to be automatically included in the reference list of a scientific article.

References

1 - Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, Journal of Informetrics, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. Radiologia (Engl Ed). 2021 May-Jun;63(3):228-235.

Examples

```
# Example

# File of database
file_db <- system.file("extdata","leisemdou.csv", package = "gerefer")
separator <- ";"

# Parameters of the function
input_date <- example_database(file_db, separator)
input_tam <- 3

#Calls the function bookcap_bib
jurlister_bibtex <- jur_bib(input_date, input_tam)
jurlister_bibtex
```

monograf_bib

Function for preparing metadata of the main monographs for automatic insertion into scientific articles

Description

The monograf_bib function prepares the metadata of the main monographs to be automatically included in a scientific article. The monograf_bib function internally calls two support functions. The output of the monograf_bib function is the file with the .bib extension, containing the list of monograph references in BibTeX format, prepared to be automatically included in the scientific reference list.

Usage

```
monograf_bib(input_date, input_tam)
```

Arguments

input_date	is a dataframe with the scientific production database in the form of a monograph
input_tam	is the length of the dataframe with the main monographs, obtained using package bibliorefer.

Value

The output of the monograf_bib function is the file with the .bib extension, containing the list of monograph references in BibTeX format, prepared to be automatically included in the list of references of a scientific article.

References

1 - Aria, M. & Cuccurullo, C. (2017) bibliometrix: An R-tool for comprehensive science mapping analysis, *Journal of Informetrics*, 11(4), pp 959-975, Elsevier. 2 - Bibliometric indicators to evaluate scientific activity. C García-Villar, J M García-Santos. *Radiologia (Engl Ed)*. 2021 May-Jun;63(3):228-235.

Examples

```
# Example 1 - Concatenated position article

# File of database
file_db <- system.file("extdata","monograf.csv", package = "gerefer")
separator <- ";"

# Parameters of the function
input_date <- example_database(file_db, separator)
input_tam <- 10

#Calls the function monograf_bib
monografliester_bibtex <- monograf_bib(input_date, input_tam)
monografliester_bibtex
```

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