Package 'rebib'

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Type Package

Title Convert and Aggregate Bibliographies

Version 0.5.0

Description Authors working with 'LaTeX' articles use the built-in bibliography options and 'BibTeX' files. While this might work with 'LaTeX', it does not function well with Web articles. As a way out, 'rebib' offers tools to convert and combine bibliographies from both sources.

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URL https://github.com/Abhi-1U/rebib

BugReports https://github.com/Abhi-1U/rebib/issues

Encoding UTF-8

Imports tools, stringr, logger, xfun, cli, whisker

Suggests knitr, rmarkdown, spelling, testthat (>= 3.0.0)

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Config/testthat/edition 3

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`aggregate_bibliography` *aggregate bibliography*

Description

aggregate bibliograhy to fill in the missing references

Usage

```
aggregate_bibliography(article_dir, log_rebib = FALSE)
```

Arguments

`article_dir`	path to the directory which contains tex article
`log_rebib`	option to enable log files for rebib

Value

aggregated bib file

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <-  system.file("aggr_example", package = "rebib")
x <- file.copy(from = example_files,to=your_article_folder,recursive = TRUE)
your_article_path <- paste(your_article_folder,"aggr_example",sep="/")
rebib::aggregate_bibliography(your_article_path)
readLines(paste(your_article_path,"example.bib",sep="/"))
unlink(your_article_folder,recursive = TRUE)
```

bibliography_exists *bibliography exists*

Description

check if embedded bibliography exists in the latex file or not

Usage

```
bibliography_exists(article_dir)
```

Arguments

article_dir	path to the directory which contains tex article

Value

TRUE/FALSE

Examples

```
wd <-  system.file("article", package = "rebib")
# Only reads the article file
rebib::bibliography_exists(wd)
```

biblio_converter *bibliography converter*

Description

a quick converter for bbl/tex to bib

Usage

```
biblio_converter(file_path = "", log_rebib = FALSE)
```

Arguments

file_path	provide a file_path with file name to point tex/bbl file
log_rebib	option to enable log files for rebib

Value

bib file

Examples

```
test_file <- system.file("standalone/test.bbl", package = "rebib")
dir.create(your_article_folder <- file.path(tempdir(), "testdir"))
file.copy(test_file, your_article_folder)
your_article_path <- xfun::normalize_path(paste(your_article_folder,"test.bbl",sep="/"))
rebib::biblio_converter(file_path = your_article_path)
head(readLines(xfun::with_ext(your_article_path,"bib")))
unlink(your_article_folder,recursive = TRUE)
```

---

citation_reader *citation reader*

Description

counts/reads Cite inline elements embedded within the latex file

Usage

```
citation_reader(file_path)
```

Arguments

file_path	path to the LaTeX file

Value

count of the inline element

Examples

```
file_path <- system.file("article/example.tex",
                 package = "rebib")
# Only Reads the example.tex for possible citations
cite <- rebib::citation_reader(file_path)
cite
```

---

get_reference_name *get reference name*

Description

get reference name

Usage

```
get_reference_name(bib_reference)
```

Arguments

bib_reference	first line containing the cite reference

Value

reference name (str)

Examples

```
ref_first_line <- "@book{ihaka:1996,"
ref_name <- rebib::get_reference_name(ref_first_line)
ref_name
```

---

get_reference_type *get reference type*

Description

get reference type

Usage

```
get_reference_type(bib_reference)
```

Arguments

bib_reference	first line containing the cite reference

Value

reference type (str)

Examples

```
ref_first_line <- "@book{ihaka:1996,"
ref_type <- rebib::get_reference_type(ref_first_line)
ref_type
```

handle_bibliography *function to solve bibliography problems*

Description

if bibliography exists in bibtex format then (filename.bib) bibtex file will be preferred. else this function will generate a minimal bibliography

Usage

```
handle_bibliography(article_dir, override_mode = FALSE, log_rebib = FALSE)
```

Arguments

article_dir	path to the directory which contains tex article
override_mode	force use parser and ignore BibTeX bibliography.
log_rebib	option to enable log files for rebib

Value

bibliography links the bibtex file with latex source code or generates a minimal bibtex file from embedded bibliography and links that file to the latex file

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <-  system.file("article", package = "rebib")
x <- file.copy(from = example_files,to=your_article_folder,recursive = TRUE)
your_article_path <- paste(your_article_folder,"article",sep="/")
rebib::handle_bibliography(your_article_path)
unlink(your_article_folder,recursive = TRUE)
```

log_setup *rebib log setup*

Description

a wrapper function for logger package to set up log file for logging

Usage

```
log_setup(article_dir, file_name, idx)
```

Arguments

article_dir	path to the directory which contains tex article
file_name	name of the log file
idx	index of log level

Value

null

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <-  system.file("article", package = "rebib")
x <- file.copy(from = example_files,to=your_article_folder,recursive = TRUE)
your_article_path <- paste(your_article_folder,"article",sep="/")
rebib::log_setup(your_article_path, "log-file.log", 2)
unlink(your_article_folder,recursive = TRUE)
```

---

rebib_log *log messages for various categories*

Description

a wrapper function for logging different types of log entries

Usage

```
rebib_log(message, category, idx)
```

Arguments

message	message to be sent
category	category of the log message
idx	index of log level

Value

null

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <-  system.file("article", package = "rebib")
x <- file.copy(from = example_files,to=your_article_folder,recursive = TRUE)
your_article_path <- paste(your_article_folder,"article",sep="/")
rebib::log_setup(your_article_path, "log-file.log", 2)
rebib::rebib_log("Hello", "INFO", 2)
cat(readLines(paste(your_article_path,"/log-file.log",sep="")),sep="\n")
unlink(your_article_folder,recursive = TRUE)
```

split_bibtex_references *split BibTex references*

Description

split BibTex references

Usage

```
split_bibtex_references(bib_path)
```

Arguments

bib_path	path to the bibtex file to be read

Value

list of references separated as types and names based on indices

Examples

```
dir.create(your_article_folder <- file.path(tempdir(), "exampledir"))
example_files <-  system.file("article", package = "rebib")
x <- file.copy(from = example_files,to=your_article_folder,recursive = TRUE)
your_article_path <- paste(your_article_folder,"article",sep="/")
bib_path <- paste0(your_article_path,"/example.bib")
rebib::handle_bibliography(your_article_path)
references <- rebib::split_bibtex_references(bib_path)
references
unlink(your_article_folder,recursive = TRUE)
```

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