

Package ‘iCiteR’

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Title Returns Data from the NIH's 'iCite' API

Version 0.1.0

Description A minimal wrapper around the NIH's 'iCite' API (<<https://icite.od.nih.gov/api>>). Given a vector of pubmed IDs, this package returns a dataframe of the information yielded by the 'iCite' API. The primary metric yielded by 'iCite' is the paper's relative citation ratio, but the API also returns other meta-data from the paper, including author names, publication journal, publication year, paper title, doi, and a number of other citation metrics.

Depends R (>= 3.5)

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Encoding UTF-8

LazyData true

Imports httr (>= 1.4), jsonlite (>= 1.6)

Suggests testthat, knitr, rmarkdown

RoxygenNote 6.1.1

VignetteBuilder knitr

NeedsCompilation no

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get_metrics	<i>takes a vector of PMIDs and returns the icite information for them.</i>
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Description

get_metrics is the main function for iCiteR. It takes a vector of character pubmed ids and returns a dataframe of the information yielded by the icite api.

Usage

```
get_metrics(pmids)
```

Arguments

pmids character. A vector of pubmed IDs

Value

All values from the icite_api reformatted into a dataframe. see <https://icite.od.nih.gov/api> for details.

Examples

```
get_metrics('27599104')
```

icite_api	<i>Query the iCite api</i>
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Description

icite_api returns the parsed results of a single call to the iCite api

Usage

```
icite_api(pmid)
```

Arguments

pmid character. The pubmed ID to be queried

Value

If the call runs without error, the output is a simple S3 object

Examples

```
dat <- icite_api('27599104')
print(dat)
```

`print.icite_api` *A simple print method for the icite_api function*

Description

`print.icite_api` prints the data returned from the `icite_api` function

Usage

```
## S3 method for class 'icite_api'  
print(x, ...)
```

Arguments

`x` S3. The S3 object yielded from `icite_api`
`...` Additional arguments that would be passed to `print`

Examples

```
dat <- icite_api('27599104')  
print(dat)
```

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