

# Package ‘iCiteR’

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**Title** A Minimal Wrapper Around NIH's 'iCite' API

**Version** 0.2.1

**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 metrics yielded by 'iCite' are measurements of a paper's scientific influence and translational potential, 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)

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**BugReports** <https://github.com/riddlet/iCiteR/issues>

**Imports** httr (>= 1.4),

**Suggests** testthat, knitr, rmarkdown

**RoxygenNote** 6.1.1

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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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 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')
```

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iCiteR	<i>iCiteR: A package for retrieving citation data from the NIH's iCite API</i>
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### Description

The iCiteR package provides a set of functions to facilitate interaction with the iCite API. The primary functions are get\_metrics() and search\_metrics(). The former is used when the user has a known set of PMIDs and wishes to obtain information about those IDs. The latter is used for getting data from the iCite API, given a set of search parameters.

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`icite_api`*Query the iCite api*

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**Description**

`icite_api` returns the parsed results of a single call to the iCite API

**Usage**

```
icite_api(pmids)
```

**Arguments**

`pmids` character vector. 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)
```

---

`icite_search`*Query the iCite API using a search strategy*

---

**Description**

`icite_search` returns the parsed results of a single call to the iCite API

**Usage**

```
icite_search(year = NA, offset = NA, limit = NA)
```

**Arguments**

`year` character or numeric. The year whose data you would like  
`offset` character. The minimum PMID you would like to have returned  
`limit` character. The maximum number of records you would like returned. There is a maximum of 1000 for a single call.

**Value**

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

**Examples**

```
dat <- icite_search(year=2012, offset = 18008027, limit=10)
print(dat)
```

---

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

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**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)
```

---

```
search_metrics      Searches the icite database for entries that match the entered criteria
```

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**Description**

search\_metrics takes a set of search criteria and returns a dataframe of the information yielded by the iCite API.

**Usage**

```
search_metrics(year = NA, offset = NA, limit = NA, page = FALSE)
```

**Arguments**

year                character or numeric. The year whose data you would like  
 offset             character. The minimum PMID you would like to have returned  
 limit              character. The maximum number of records you would like returned. There is a maximum of 1000 for a single call.  
 page               logical. Do you want to continue paging through the API until there is no new data returned (paging without a limit may take several hours to complete)?

**Value**

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

**Examples**

```
search_metrics(year=2012, offset='1800000', limit='2000', page=TRUE)
```

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