

Package: journalclub (via r-universe)

June 19, 2024

Version 1.0.0

Title Journal club papers

Description Uses citations and PubMed queries to generate new publications for a journal club.

Depends XML, RCurl, parallel

License Artistic-2.0

URL <https://github.com/perishky/journalclub>

LazyData yes

RoxygenNote 6.1.0

Repository <https://mrcieu.r-universe.dev>

RemoteUrl <https://github.com/perishky/journalclub>

RemoteRef HEAD

RemoteSha 4a1359bc8ec8584dced59aa7f18a55a05d9d1428

Contents

journalclub.annotate	2
journalclub.candidates	2
journalclub.citing	3
journalclub.query	3
journalclub.update	4
Index	5

journalclub.annotate *Retrieve information for a selection of publications*

Description

Generates a data frame providing information (abstract, title, authors, journal, publication date) for a list of PMIDs.

Usage

```
journalclub.annotate(pmids, retmax = 100)
```

Value

A data frame with one row per publication.

journalclub.candidates
Retrieve new publications for a journal club

Description

Retrieve new publications for a journal club

Usage

```
journalclub.candidates(dir, query = NULL, recent = 30, debug = F)
```

Arguments

dir	Directory where the journal club history is stored.
query	PubMed query for identifying new publications (Default: NULL).
recent	Number of days to look back for publications from the current day (Default: 30).

Value

A data frame listing recent publications that have not been considered for previous journal clubs and either match the input query or cite a previously presented publication.

journalclub.citing *Query PubMed for recent citing publications*

Description

Retrieve recent publications that cite a given set of publications

Usage

```
journalclub.citing(pmids, days = 30, retmax = 100, verbose = T)
```

Arguments

pmids	PMIDs for papers to be cited.
days	Number of days to look back for publications from the current day (Default: 30).

Value

A vector of PMIDs matching the query.

journalclub.query *Query PubMed for recent publications*

Description

Retrieve PMIDs for recent publications matching a query.

Usage

```
journalclub.query(query, days = 30, retmax = 1e+05)
```

Arguments

query	PubMed query.
days	Number of days to look back for publications from the current day (Default: 30).

Value

A vector of PMIDs matching the query.

journalclub.update *Update journal club history with newly presented publications*

Description

Update journal club history with newly presented publications

Usage

```
journalclub.update(dir, presented)
```

Arguments

dir	Directory where the journal club history is stored.
presented	List of PMIDs for the publications that were presented.

Value

TRUE

Index

journalclub.annotate, 2
journalclub.candidates, 2
journalclub.citing, 3
journalclub.query, 3
journalclub.update, 4