

Package ‘zbank’

October 30, 2018

Type Package

Title 'ZooBank' API Client

Description Interface to the 'ZooBank' API (<<http://zoobank.org/Api>>) client. 'ZooBank' (<<http://zoobank.org/>>) is the official registry of zoological nomenclature. Methods are provided for using each of the API endpoints, including for querying by author, querying for publications, get statistics on 'ZooBank' activity, and more.

Version 0.1.0

License MIT + file LICENSE

URL <https://github.com/ropenscilabs/zbank>

BugReports <https://github.com/ropenscilabs/zbank/issues>

Encoding UTF-8

Imports crul (>= 0.5.0), jsonlite (>= 1.5), tibble

Suggests testthat, vcr

RoxygenNote 6.1.0

X-schema.org-applicationCategory Taxonomy

X-schema.org-keywords taxonomy, biology, nomenclature, JSON, API, web, api-client, ZooBank, Zoological, species, names

X-schema.org-isPartOf <https://ropensci.org>

NeedsCompilation no

Author Scott Chamberlain [aut, cre] (<<https://orcid.org/0000-0003-1444-9135>>)

Maintainer Scott Chamberlain <sckott@protonmail.com>

Repository CRAN

Date/Publication 2018-10-30 16:20:03 UTC

R topics documented:

| | |
|-------------------------|---|
| zbank-package | 2 |
| zb_authors | 2 |

| | |
|---------------------------|---|
| zb_id | 3 |
| zb_matching | 4 |
| zb_name_usages | 4 |
| zb_publications | 5 |
| zb_stats | 6 |

| | |
|--------------|----------|
| Index | 7 |
|--------------|----------|

| | |
|---------------|-------------------------------|
| zbank-package | <i>zbank - ZooBank Client</i> |
|---------------|-------------------------------|

Description

zbank - ZooBank Client

ZooBank API Docs

See <http://zoobank.org/Api>

Author(s)

Scott Chamberlain <sckott@protonmail.com>

| | |
|------------|---------------------------|
| zb_authors | <i>Search for authors</i> |
|------------|---------------------------|

Description

Search for authors

Usage

```
zb_authors(id = NULL, query = NULL, parse = TRUE, ...)
```

```
zb_authors_(id = NULL, query = NULL, ...)
```

Arguments

| | |
|-------|--|
| id | (integer/numeric) An author identifier |
| query | (character) Query terms |
| parse | (logical) Whether to parse to list (FALSE) or data.frame (TRUE). If TRUE, we also give back a tibble for easier consumption. Default: TRUE |
| ... | Curl options passed to HttpClient |

Examples

```
## Not run:
zb_authors(id = "8C466CBE-3F7D-4DC9-8CBD-26DD3F57E212")
zb_authors(query = "Schmutz")
zb_authors(query = "Pyle")

## End(Not run)
```

| | |
|-------|-------------------------------|
| zb_id | <i>Get data by identifier</i> |
|-------|-------------------------------|

Description

Get data by identifier

Usage

```
zb_id(id, parse = TRUE, ...)

zb_id_(id, ...)

zb_matching_(id, ...)
```

Arguments

| | |
|-------|--|
| id | (integer/numeric) Any ZooBank identifier, for taxon, author or publication. required |
| parse | (logical) Whether to parse to list (FALSE) or data.frame (TRUE). If TRUE, we also give back a tibble for easier consumption. Default: TRUE |
| ... | Curl options passed to HttpClient |

Examples

```
## Not run:
zb_id(id = "6EA8BB2A-A57B-47C1-953E-042D8CD8E0E2")

## End(Not run)
```

| | |
|-------------|------------------------------------|
| zb_matching | <i>Matching taxon name service</i> |
|-------------|------------------------------------|

Description

Matching taxon name service

Usage

```
zb_matching(id, parse = TRUE, ...)
```

Arguments

| | |
|-------|--|
| id | (integer/numeric) Any ZooBank identifier, for taxon, author or publication. required |
| parse | (logical) Whether to parse to list (FALSE) or data.frame (TRUE). If TRUE, we also give back a tibble for easier consumption. Default: TRUE |
| ... | Curl options passed to HttpClient |

Examples

```
## Not run:
zb_matching(id = "FFF7160A-372D-40E9-9611-23AF5D9EAC4C")

## End(Not run)
```

| | |
|----------------|--------------------|
| zb_name_usages | <i>Name usages</i> |
|----------------|--------------------|

Description

Name usages

Usage

```
zb_name_usages(name = NULL, id = NULL, query = NULL, parse = TRUE,
  ...)

zb_name_usages_(name = NULL, id = NULL, query = NULL, ...)
```

Arguments

name (character) A taxonomic name
 id (integer/numeric) A taxonomic identifier
 query (character) A taxonomic name to query
 parse (logical) Whether to parse to list (FALSE) or data.frame (TRUE). If TRUE, we also give back a tibble for easier consumption. Default: TRUE
 ... Curl options passed to [HttpClient](#)

Examples

```
## Not run:
zb_name_usages(name = "Pseudanthias carlsoni")
zb_name_usages(id = "6EA8BB2A-A57B-47C1-953E-042D8CD8E0E2")
zb_name_usages(query = "pyle")

## End(Not run)
```

| | |
|-----------------|---------------------|
| zb_publications | <i>Publications</i> |
|-----------------|---------------------|

Description

Publications

Usage

```
zb_publications(id = NULL, query = NULL, parse = TRUE, ...)

zb_publications_(id, query, ...)
```

Arguments

id (integer/numeric) A publication identifier
 query (character) Query terms
 parse (logical) Whether to parse to list (FALSE) or data.frame (TRUE). If TRUE, we also give back a tibble for easier consumption. Default: TRUE
 ... Curl options passed to [HttpClient](#)

Examples

```
## Not run:
zb_publications(id = "427D7953-E8FC-41E8-BEA7-8AE644E6DE77")
zb_publications(query = "pyle")

## End(Not run)
```

| | |
|----------|---|
| zb_stats | <i>Get statistics on Zoobank activity</i> |
|----------|---|

Description

Get statistics on Zoobank activity

Usage

```
zb_stats(start_date, end_date, period = "day", parse = TRUE, ...)
```

```
zb_stats_(start_date, end_date, period, ...)
```

Arguments

| | |
|------------|--|
| start_date | (date/character) a start date |
| end_date | (date/character) an end date |
| period | (character) the period. Default: day |
| parse | (logical) Whether to parse to list (FALSE) or data.frame (TRUE). If TRUE, we also give back a tibble for easier consumption. Default: TRUE |
| ... | Curl options passed to HttpClient |

Examples

```
## Not run:  
zb_stats(start_date = "2018-03-01", end_date = "2018-04-01")  
zb_stats(start_date = "2018-03-01", end_date = "2018-04-01",  
  parse = FALSE)  
  
## End(Not run)
```

Index

*Topic **package**

zbank-package, [2](#)

HttpClient, [2-6](#)

zb_authors, [2](#)

zb_authors_ (zb_authors), [2](#)

zb_id, [3](#)

zb_id_ (zb_id), [3](#)

zb_matching, [4](#)

zb_matching_ (zb_id), [3](#)

zb_name_usages, [4](#)

zb_name_usages_ (zb_name_usages), [4](#)

zb_publications, [5](#)

zb_publications_ (zb_publications), [5](#)

zb_stats, [6](#)

zb_stats_ (zb_stats), [6](#)

zbank (zbank-package), [2](#)

zbank-package, [2](#)