

# Package: zoteror (via r-universe)

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**Type** Package

**Title** Access the Zotero API in R

**Version** 0.0.0.9005

**Description** zoteror provides tools to access the Zotero API

**License** GPL-3

**Encoding** UTF-8

**LazyData** true

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tibble, readr, magrittr, fs

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**Repository** <https://giocomai.r-universe.dev>

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zot\_add\_to\_collection *Add item to a collection*

---

### Description

Add item to a collection

### Usage

```
zot_add_to_collection(id, collection_id, user = NULL,
  credentials = NULL)
```

### Arguments

id	Id code of a zotero item
user	Zotero userId
credentials	Either an R object created with <code>AuthZot(store = TRUE)</code> , or an API secret key with write access created at <a href="https://www.zotero.org/settings/keys">https://www.zotero.org/settings/keys</a>

### Value

A list including all available details on a given item.

### Examples

```
item <- zot_add_to_collection(id = "<itemId>", collection_id = "<collection_id>")
```

---

zot\_auth *Authenticate to a Zotero account*

---

### Description

Authenticate to a Zotero account (get keys)

### Usage

```
zot_auth(cache = TRUE)
```

### Arguments

cache	Logical, defaults to TRUE If TRUE, it stores the credentials in the working directory in a file called "zotero_credentials.rds", which should be considered confidential since it provides access to a given Zotero account.
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**Details**

The verification code that appears at the end of the URL after authorization in browser should be input as verification PIN. If the parameter cache is enabled - `zot_auth(cache=TRUE)` - zoteroR stores the credentials in a local file called "zotero\_credentials.rds", which should be considered confidential since it provides access to a given Zotero account. If a pre-existing "zotero\_credentials.rds" exists, it is loaded automatically.

**Value**

A OAuth object including the Zotero API key.

**Examples**

```
credentials <- zot_auth(cache=TRUE)
```

---

```
zot_convert_creators_to_df_list
```

*Transform a character vectors of creators (authors, etc.) into a list of properly categorised data frames*

---

**Description**

Transform a character vectors of creators (authors, etc.) into a list of properly categorised data frames

**Usage**

```
zot_convert_creators_to_df_list(creator, creator_type = "author",
  separator_multiple_authors = "; ", separator_surname_name = ", ")
```

**Arguments**

<code>creator</code>	A character vector (usually, a column in a data frame). Names must be given in the format: "Surname, Name; Surname, Name" (use semicolon only to separate between multiple authors).
<code>creator_type</code>	Defaults to "author". Must be a character vector of length 1.

**Value**

A data frame, with one column for each accepted input for the given item type.

**Examples**

```
zot_convert_creators_to_df_list(creator = "Spinelli, Altiero; Rossi, Ernesto")
```

zot\_convert\_tags\_to\_df\_list

*Transform a character vectors of creators (authors, etc.) into a list of properly categorised data frames*

---

### **Description**

Transform a character vectors of creators (authors, etc.) into a list of properly categorised data frames

### **Usage**

```
zot_convert_tags_to_df_list(tags, separator = "; ")
```

### **Arguments**

**creator** A character vector (usually, a column in a data frame). Names must be given in the format: "Surname, Name; Surname, Name" (use semicolon only to separate between multiple authors).

**creator\_type** Defaults to "author". Must be a character vector of length 1.

### **Value**

A data frame, with one column for each accepted input for the given item type.

### **Examples**

```
zot_convert_tags_to_df(tags = c("economy; history", "economy"))
```

---

zot\_create\_collection *Create a collection in Zotero*

---

### **Description**

Create a collection in Zotero. If a collection by the same name exists, it does not create a new one, but rather outputs the id of that collection.

### **Usage**

```
zot_create_collection(collection_name, user = NULL, credentials = NULL)
```

**Arguments**

collection_name	Name of the collection to be added
user	Zotero userId
credentials	Either an R object created with AuthZot(store = TRUE), or an API secret key with write access created at <a href="https://www.zotero.org/settings/keys">https://www.zotero.org/settings/keys</a>

**Details**

Creating a collection needs an API with write access

**Value**

The key of the newly created collection (or of the pre-existing collection, if already one with the same name exists) as a character vector

**Examples**

```
key <- zot_create_collection(user = 12345, collection_name = "ZoteroRtest", credentials = "<API>")
```

---

zot\_create\_csv\_template

*Create a template to facilitate import of csv files*

---

**Description**

Create a template to facilitate import of csv files

**Usage**

```
zot_create_csv_template(item_type = "book", cache = TRUE)
```

**Arguments**

item_type	Defaults to "book". It must correspond to a valid item type. You can check which item types are valid with the function 'zot_get_item_types()'
cache	Logical, defaults to TRUE. If TRUE, it stores the template in a "zot_cache" folder in the current working directory.

**Value**

A data frame, with one column for each accepted input for the given item type.

**Examples**

```
book_template_df <- zot_create_csv_template(item_type = "book")
```

---

zot\_create\_items      *Create new items from a data frame*

---

### Description

Create new Zotero items from a data frame

### Usage

```
zot_create_items(item_df, collection = NULL, user = NULL,
  credentials = NULL)
```

### Arguments

item_df	A data frame representing new items. Column names must correspond to 'zoteroR::zot_get_item_template' for the given item type.
user	Zotero userId
credentials	Either an R object created with AuthZot(store = TRUE), or an API secret key with write access created at <a href="https://www.zotero.org/settings/keys">https://www.zotero.org/settings/keys</a>

### Value

Nothing, used for its side effects (creates new items on Zotero)

### Examples

```
item <- zot_create_items(item_df)
```

---

zot\_get\_creator\_types      *Find and show all valid creator types*

---

### Description

Find and show all valid creator types

### Usage

```
zot_get_creator_types(item_type = "book", cache = TRUE,
  locale = NULL)
```

### Arguments

cache	Logical, defaults to TRUE. If TRUE, it stores the list of valid item types in a "zot_cache" folder in the current working directory.
locale	Defaults to English. If given, it should correspond to a language code such as "it" or "fr-FR"

**Value**

A list including all valid creator types for given item type.

**Examples**

```
creator_types <- zot_get_creator_types()
```

---

`zot_get_item_template` *Get an item template for a valid item type*

---

**Description**

Get an item template for a valid item type

**Usage**

```
zot_get_item_template(item_type = "book", cache = TRUE)
```

**Arguments**

<code>item_type</code>	Defaults to "book". It must correspond to a valid item type. You can check which item types are valid with the function 'zot_get_item_types()'
<code>cache</code>	Logical, defaults to TRUE. If TRUE, it stores the template in a "zot_cache" folder in the current working directory.

**Value**

A list. A template for creating items of the given `item_type`.

**Examples**

```
item_types <- zot_get_item_types()
```

---

`zot_get_item_types` *Find and show all valid item types*

---

**Description**

Find and show all valid item types

**Usage**

```
zot_get_item_types(cache = TRUE, locale = NULL)
```

**Arguments**

cache	Logical, defaults to TRUE. If TRUE, it stores the list of valid item types in a "zot_cache" folder in the current working directory.
locale	Defaults to English. If given, it should correspond to a language code such as "it" or "fr-FR"
item_type	Defaults to "book". It must correspond to a valid item type. You can check which item types are valid with the function 'zot_get_item_types()'

**Value**

A character vector including all categories in which given item is included.

**Examples**

```
item_types <- zot_get_item_types()
```

---

```
zot_get_item_types_fields
```

*Find and show all valid fields for a given item type*

---

**Description**

Find and show all valid fields for a given item type

**Usage**

```
zot_get_item_types_fields(item_type = "book", cache = TRUE,
  locale = NULL)
```

**Arguments**

item_type	Defaults to "book". It must correspond to a valid item type. You can check which item types are valid with the function 'zot_get_item_types()'
cache	Logical, defaults to TRUE. If TRUE, it stores the list of valid item types in a "zot_cache" folder in the current working directory.
locale	Defaults to English. If given, it should correspond to a language code such as "it" or "fr-FR"

**Value**

A data frame including all valid fields for given item type.

**Examples**

```
zot_get_item_types_fields()
```



---

zot_read_children	<i>Read details of all children of a Zotero item</i>
-------------------	--

---

**Description**

Read details of all children of a Zotero item

**Usage**

```
zot_read_children(id, user = NULL, credentials = NULL)
```

**Arguments**

id	Id code of a Zotero item
user	Zotero userId
credentials	Either an R object created with <code>AuthZot(store = TRUE)</code> , or an API secret key with write access created at <a href="https://www.zotero.org/settings/keys">https://www.zotero.org/settings/keys</a>

**Value**

A data.frame including details on all children of a given parent item.

**Examples**

```
item <- ZotReadChildren()
```

---

zot_read_children_id	<i>Read IDs of all children of a Zotero item</i>
----------------------	--

---

**Description**

Read IDs of all children of a Zotero item

**Usage**

```
zot_read_children_id(id, user = NULL, credentials = NULL)
```

**Arguments**

id	Id code of a Zotero item
user	Zotero userId
credentials	Either an R object created with <code>AuthZot(store = TRUE)</code> , or an API secret key with write access created at <a href="https://www.zotero.org/settings/keys">https://www.zotero.org/settings/keys</a>

**Value**

A vector including the ID of all children

**Examples**

```
item_id <- zot_read_children_id()
```

---

zot_read_item	<i>Read details of a Zotero item</i>
---------------	--------------------------------------

---

**Description**

Read details of a Zotero item

**Usage**

```
zot_read_item(id, user = NULL, credentials = NULL)
```

**Arguments**

id	Id code of a zotero item
user	Zotero userId
credentials	Either an R object created with AuthZot(store = TRUE), or an API secret key with write access created at <a href="https://www.zotero.org/settings/keys">https://www.zotero.org/settings/keys</a>

**Value**

A list including all available details on a given item.

**Examples**

```
item <- zot_read_item()
```

---

zot_set_options	<i>Sets 'zoteroR' options</i>
-----------------	-------------------------------

---

**Description**

It allows to preliminary store options frequently used by 'zoteroR', thus removing the requirement to specify them each time a function is called.

**Usage**

```
zot_set_options(...)
```

**Arguments**

user	A Zotero userId.
credentials	Either an R object created with <code>AuthZot(store = TRUE)</code> , or an API secret key with write access created at <a href="https://www.zotero.org/settings/keys">https://www.zotero.org/settings/keys</a>

**Value**

Nothing. Used for its side effects (stores settings).

**Examples**

```
zot_set_options(user = 12345, credentials = <API>)
```

---

zot_size	<i>Find size of zotero objects stored locally</i>
----------	---

---

**Description**

Find size of zotero objects stored locally

**Usage**

```
zot_size(path)
```

**Arguments**

path	Path to local Zotero storage sub-folde, e.g. <code>"/home/user/.mozilla/firefox/mdk7yirc.default/zotero/storage"</code>
------	---

**Value**

A data.frame (tibble) with ID and size of each item present in the local storage.

**Examples**

```
size <- zot_size()
```

---

`zot_which_collection` *Extract collections in which given item is included*

---

**Description**

Extract collections in which given item is included

**Usage**

```
zot_which_collection(id, user = NULL, credentials = NULL)
```

**Arguments**

<code>user</code>	Zotero userId
<code>credentials</code>	Either an R object created with <code>AuthZot(store = TRUE)</code> , or an API secret key with write access created at <a href="https://www.zotero.org/settings/keys">https://www.zotero.org/settings/keys</a>

**Value**

A character vector including all categories in which given item is included.

**Examples**

```
categories <- zot_which_collection(item = "X1X2X3")
```

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