

Package ‘orcidtr’

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Title Retrieve Data from the ORCID Public API

Version 0.1.0

Description Provides functions to retrieve public data from ORCID (Open Researcher and Contributor ID) records via the ORCID public API. Fetches employment history, education, works (publications, datasets, preprints), funding, peer review activities, and other public information. Returns data as structured data.table objects for easy analysis and manipulation. Replaces the discontinued 'rorcid' package with a modern, CRAN-compliant implementation.

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URL <https://github.com/lorenzoFabbri/orcidtr>

BugReports <https://github.com/lorenzoFabbri/orcidtr/issues>

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| orcid | <i>Search ORCID registry</i> |
|--------------|------------------------------|

Description

Search for ORCID profiles using Apache Solr query syntax. This function provides direct access to the ORCID search API with full query capabilities.

Usage

```
orcid(query = NULL, rows = 10, start = 0, token = NULL, ...)
```

Arguments

| | |
|-------|--|
| query | Character string. Solr query string (e.g., "keyword:ecology", "family-name:Smith AND given-names:John"). If NULL, returns empty results. |
| rows | Integer. Number of results to return (default: 10, max: 1000). |
| start | Integer. Starting position for pagination (default: 0). |
| token | Character string or NULL. Optional API token. Most searches work without authentication. |
| ... | Additional parameters passed to the API request. |

Details

This function queries the ORCID search endpoint: <https://pub.orcid.org/v3.0/expanded-search>

The expanded-search endpoint returns name information along with ORCID IDs, unlike the basic search endpoint which only returns identifiers.

Query Field Examples:

- family-name:Smith
- given-names:John
- keyword:ecology
- affiliation-org-name:Harvard
- digital-object-ids:10.1371/*
- email:*@example.org

Boolean Operators: Use AND, OR, NOT for complex queries: "family-name:Smith AND affiliation-org-name:Harva

Value

A data.table with columns:

orcid_id ORCID identifier
given_names Given name(s)
family_name Family name
credit_name Credit/published name
other_names Alternative names (list column)

Returns empty data.table if no results found. The total number of matches is available as `attr(result, "found")`.

References

ORCID API Search Documentation: <https://info.orcid.org/documentation/api-tutorials/api-tutorial-searching-the-orcid-registry/>

See Also

[orcid_search](#) for a more user-friendly interface, [orcid_doi](#) for DOI-specific searches

Examples

```
## Not run:  
# Search by keyword  
results <- orcid("keyword:ecology", rows = 20)  
print(results)  
attr(results, "found") # Total number of matches  
  
# Search by name  
results <- orcid("family-name:Fabbri AND given-names:Lorenzo")
```

```
# Search by affiliation
results <- orcid("affiliation-org-name:Stanford")

# Search by DOI
results <- orcid("digital-object-ids:10.1371/*")

# Pagination
page1 <- orcid("keyword:genomics", rows = 10, start = 0)
page2 <- orcid("keyword:genomics", rows = 10, start = 10)

## End(Not run)
```

orcid_activities *Retrieve activities summary from ORCID*

Description

Fetches a comprehensive summary of all activities for an ORCID identifier in a single API call. This is more efficient than calling individual endpoints when you need multiple activity types.

Usage

```
orcid_activities(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------------|---|
| <code>orcid_id</code> | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| <code>token</code> | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/activities>. This endpoint provides summary information for all activity types in a single request, which is more efficient than making multiple individual requests. However, the summaries contain less detail than the full individual records.

Value

A named list with data.table elements for each activity section:

distinctions Distinctions/awards summary

educations Education history summary

employments Employment history summary

invited_positions Invited positions summary
memberships Professional memberships summary
qualifications Qualifications/licenses summary
services Service activities summary
fundings Funding records summary
peer_reviews Peer review activities summary
research_resources Research resources summary
works Works/publications summary

Empty data.tables are returned for sections with no data.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_fetch_record](#), [orcid_person](#)

Examples

```
## Not run:  
# Fetch all activities  
activities <- orcid_activities("0000-0002-1825-0097")  
names(activities)  
  
# Access specific sections  
activities$works  
activities$employments  
activities$fundings  
  
## End(Not run)
```

orcid_address

Retrieve address information from ORCID

Description

Fetches address/country information associated with an ORCID record.

Usage

```
orcid_address(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------------|---|
| <code>orcid_id</code> | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| <code>token</code> | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/address>

Value

A data.table with the following columns:

- orcid** ORCID identifier
- put_code** Unique identifier for this address
- country** Country code

Returns an empty data.table with the same structure if no address information is found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_person](#)

Examples

```
## Not run:
# Fetch address information
address <- orcid_address("0000-0002-1825-0097")
print(address)

## End(Not run)
```

| | |
|-----------|--------------------------------------|
| orcid_bio | <i>Retrieve biography from ORCID</i> |
|-----------|--------------------------------------|

Description

Fetches just the biography/about text for an ORCID record. This is a simplified alternative to [orcid_person](#) when you only need the biography text.

Usage

```
orcid_bio(orcid_id, token = NULL)
```

Arguments

| | |
|----------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/biography>

Value

A data.table with the following columns:

| | |
|-------------------|---|
| orcid | ORCID identifier |
| biography | Biography text |
| visibility | Visibility setting (public, limited, private) |

Returns a data.table with NA biography if not available.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_person](#)

Examples

```
## Not run:
# Fetch biography only
bio <- orcid_bio("0000-0002-1825-0097")
print(bio$biography)

## End(Not run)
```

orcid_distinctions *Retrieve distinctions from ORCID*

Description

Fetches distinction records (awards, honors, recognitions) for an ORCID identifier. Returns structured data similar to employments and educations.

Usage

```
orcid_distinctions(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/distinctions>

Value

A data.table with the following columns:

- orcid** ORCID identifier
- put_code** Unique identifier for this distinction record
- organization** Name of the awarding organization
- department** Department name (if available)
- role** Award or distinction title
- start_date** Award/distinction date (ISO format)
- end_date** End date (ISO format, if applicable)
- city** City of organization

region State/region of organization

country Country of organization

Returns an empty data.table with the same structure if no distinction records are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_employments](#), [orcid_educations](#), [orcid_activities](#)

Examples

```
## Not run:  
# Fetch distinctions  
distinctions <- orcid_distinctions("0000-0002-1825-0097")  
print(distinctions)  
  
## End(Not run)
```

orcid_doi

Search ORCID by DOI

Description

Search for ORCID profiles associated with specific DOIs. This is a convenience wrapper around [orcid](#) for DOI-based searches.

Usage

```
orcid_doi(dois, fuzzy = FALSE, rows = 10, token = NULL)
```

Arguments

| | |
|--------------|---|
| dois | Character vector. One or more DOIs to search for. |
| fuzzy | Logical. Use fuzzy matching for DOI search (default: FALSE). Fuzzy matching allows partial DOI matches. |
| rows | Integer. Number of results per DOI (default: 10). |
| token | Character string or NULL. Optional API token. |

Details

This function searches the digital-object-ids field in the ORCID registry. When **fuzzy** = TRUE, wildcard matching is used to find partial DOI matches.

Value

A named list where each element corresponds to a DOI and contains a data.table of search results. If only one DOI is provided, returns the data.table directly. Empty data.tables are returned for DOIs with no matches.

See Also

[orcid](#), [orcid_search](#)

Examples

```
## Not run:
# Search by single DOI
results <- orcid_doi("10.1371/journal.pone.0025995")
print(results)

# Search by multiple DOIs
dois <- c("10.1038/nature12373", "10.1126/science.1260419")
results <- orcid_doi(dois)
names(results)

# Fuzzy search (partial DOI)
results <- orcid_doi("10.1371/*", fuzzy = TRUE, rows = 20)

## End(Not run)
```

orcid_educations *Retrieve education history from ORCID*

Description

Fetches education records for a given ORCID identifier from the ORCID public API. Returns a structured data.table with education history including institutions, degrees, departments, and dates.

Usage

```
orcid_educations(orcid_id, token = NULL)
```

Arguments

| | |
|----------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. Most public data is accessible without authentication. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/educations>

The function respects ORCID API rate limits and includes appropriate User-Agent headers identifying the orcidr package.

Value

A data.table with the following columns:

orcid ORCID identifier
put_code Unique identifier for this education record
organization Name of the educational institution
department Department name (if available)
role Degree or program name
start_date Education start date (ISO format)
end_date Education end date (ISO format)
city City of institution
region State/region of institution
country Country of institution

Returns an empty data.table with the same structure if no education records are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_employments](#), [orcid_works](#), [orcid_fetch_record](#)

Examples

```
## Not run:  
# Fetch education history for a public ORCID  
edu <- orcid_educations("0000-0002-1825-0097")  
print(edu)  
  
# With authentication  
Sys.setenv(ORCID_TOKEN = "your-token-here")  
edu <- orcid_educations("0000-0002-1825-0097")  
  
## End(Not run)
```

orcid_email *Retrieve email information from ORCID*

Description

Fetches email addresses associated with an ORCID record. Note that email addresses are typically private and require authentication to access.

Usage

```
orcid_email(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX. |
| token | Character string or NULL. API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. Email addresses usually require authentication. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/email>. Email addresses are typically private and will only be returned if you have appropriate authentication permissions.

Value

A data.table with the following columns:

| | |
|-------------------|---|
| orcid | ORCID identifier |
| email | Email address |
| primary | Logical indicating if this is the primary email |
| verified | Logical indicating if the email is verified |
| visibility | Visibility setting |

Returns an empty data.table with the same structure if no emails are found or accessible.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_person](#)

Examples

```
## Not run:  
# Fetch email (requires authentication)  
Sys.setenv(ORCID_TOKEN = "your-token-here")  
email <- orcid_email("0000-0002-1825-0097")  
print(email)  
  
## End(Not run)
```

orcid_employments *Retrieve employment history from ORCID*

Description

Fetches employment records for a given ORCID identifier from the ORCID public API. Returns a structured data.table with employment history including organization names, roles, departments, and dates.

Usage

```
orcid_employments(orcid_id, token = NULL)
```

Arguments

| | |
|----------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. Most public data is accessible without authentication. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/employments>. The function respects ORCID API rate limits and includes appropriate User-Agent headers identifying the orcidr package.

Value

A data.table with the following columns:

orcid ORCID identifier

put_code Unique identifier for this employment record

organization Name of the employing organization

department Department name (if available)

role Job title or role
start_date Employment start date (ISO format)
end_date Employment end date (ISO format, NA if current)
city City of organization
region State/region of organization
country Country of organization

Returns an empty data.table with the same structure if no employment records are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_educations](#), [orcid_works](#), [orcid_fetch_record](#)

Examples

```
## Not run:  

# Fetch employment history for a public ORCID  

emp <- orcid_employments("0000-0002-1825-0097")  

print(emp)  
  

# With authentication  

Sys.setenv(ORCID_TOKEN = "your-token-here")  

emp <- orcid_employments("0000-0002-1825-0097")  
  

## End(Not run)
```

orcid_external_identifiers

Retrieve external identifiers from ORCID

Description

Fetches external identifier mappings for an ORCID record, such as Scopus Author ID, ResearcherID, Loop profile, and other researcher identification systems.

Usage

```
orcid_external_identifiers(orcid_id, token = NULL)
```

Arguments

| | |
|----------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/external-identifiers>

Value

A data.table with the following columns:

- orcid** ORCID identifier
- put_code** Unique identifier for this external ID
- external_id_type** Type of external identifier (e.g., "Scopus Author ID")
- external_id_value** The identifier value
- external_id_url** URL to the external profile (if available)

Returns an empty data.table with the same structure if no external identifiers are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_person](#)

Examples

```
## Not run:  
# Fetch external identifiers  
ext_ids <- orcid_external_identifiers("0000-0002-1825-0097")  
print(ext_ids)  
  
## End(Not run)
```

`orcid_fetch_many` *Retrieve records for multiple ORCID identifiers*

Description

Fetches data for multiple ORCID identifiers. This is a convenience function that loops over a vector of ORCID iIDs and fetches the specified section(s) for each. Results are combined into a single data.table.

Usage

```
orcid_fetch_many(
  orcid_ids,
  section = "works",
  token = NULL,
  stop_on_error = FALSE
)
```

Arguments

| | |
|----------------------------|---|
| <code>orcid_ids</code> | Character vector. Valid ORCID identifiers in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| <code>section</code> | Character string. Section to fetch. One of: "employments", "educations", "distinctions", "invited-positions", "memberships", "qualifications", "services", "research-resources", "works", "funding", or "peer-reviews". |
| <code>token</code> | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |
| <code>stop_on_error</code> | Logical. If TRUE, stops on the first error. If FALSE (default), continues processing and returns results for successful requests, issuing warnings for failures. |

Details

This function makes one API request per ORCID identifier. Be mindful of rate limits when fetching data for many ORCIDs.

The function validates each ORCID identifier and normalizes formats before making requests.

For rate limit compliance, consider adding delays between large batches or using authenticated requests which typically have higher rate limits.

Value

A data.table combining results from all successful requests. The `orcid` column identifies which ORCID each row belongs to.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_fetch_record](#), [orcid_works](#), [orcid_employments](#)

Examples

```
## Not run:
# Fetch works for multiple ORCIDs
orcids <- c("0000-0002-1825-0097", "0000-0003-1419-2405")
works <- orcid_fetch_many(orcids, section = "works")
print(works)

# Fetch employments for multiple ORCIDs
employments <- orcid_fetch_many(orcids, section = "employments")

# Stop on first error
works <- orcid_fetch_many(orcids, section = "works", stop_on_error = TRUE)

## End(Not run)
```

orcid_fetch_record *Retrieve complete ORCID record*

Description

Fetches all public data for a given ORCID identifier, including employments, education, works, funding, and peer reviews. Returns a named list of data.table objects.

Usage

```
orcid_fetch_record(
  orcid_id,
  token = NULL,
  sections = c("employments", "educations", "works", "funding", "peer-reviews")
)
```

Arguments

| | |
|-----------------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. Most public data is accessible without authentication. |
| sections | Character vector. Sections to fetch. Default is the most commonly used sections: c("employments", "educations", "works", "funding", "peer-reviews"). Available sections are: |

- Affiliations: "employments", "educations", "distinctions", "invited-positions", "memberships", "qualifications", "services", "research-resources"
- Activities: "works", "funding", "peer-reviews"
- Biographical: "person", "bio", "keywords", "researcher-urls", "external-identifiers", "other-names", "address", "email"

You can specify a subset to fetch only specific sections.

Details

This is a convenience function that calls individual API functions for each section. Each section requires a separate API request.

To minimize API calls, specify only the sections you need using the `sections` parameter.

Value

A named list with the following possible elements (each a data.table):

- employments** Employment history
- educations** Education history
- distinctions** Distinctions and honors
- invited_positions** Invited positions
- memberships** Professional memberships
- qualifications** Qualifications
- services** Service activities
- research_resources** Research resources
- works** Works/publications
- funding** Funding records
- peer_reviews** Peer review activities
- person** Complete person data
- bio** Biography
- keywords** Keywords
- researcher_urls** Researcher URLs
- external_identifiers** External identifiers
- other_names** Other names
- address** Address information
- email** Email addresses

Empty data.tables are returned for sections with no data.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_fetch_many](#), [orcid_employments](#), [orcid_works](#)

Examples

```
## Not run:  
# Fetch complete record for a public ORCID  
record <- orcid_fetch_record("0000-0002-1825-0097")  
names(record)  
record$works  
record$employments  
  
# Fetch only works and funding  
record <- orcid_fetch_record(  
  "0000-0002-1825-0097",  
  sections = c("works", "funding")  
)  
  
# With authentication  
Sys.setenv(ORCID_TOKEN = "your-token-here")  
record <- orcid_fetch_record("0000-0002-1825-0097")  
  
## End(Not run)
```

orcid_funding

Retrieve funding records from ORCID

Description

Fetches funding records for a given ORCID identifier from the ORCID public API. Returns a structured data.table with funding details including grant titles, funding organizations, amounts, and dates.

Usage

```
orcid_funding(orcid_id, token = NULL)
```

Arguments

| | |
|----------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. Most public data is accessible without authentication. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/fundings>

The function respects ORCID API rate limits and includes appropriate User-Agent headers identifying the orcidr package.

Value

A data.table with the following columns:

orcid ORCID identifier
put_code Unique identifier for this funding record
title Title of the funded project
type Type of funding (e.g., grant, contract, award)
organization Name of the funding organization
start_date Funding start date (ISO format)
end_date Funding end date (ISO format)
amount Funding amount (if available)
currency Currency code (e.g., USD, EUR)

Returns an empty data.table with the same structure if no funding records are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_works](#), [orcid_employments](#), [orcid_fetch_record](#)

Examples

```
## Not run:
# Fetch funding records for a public ORCID
funding <- orcid_funding("0000-0002-1825-0097")
print(funding)

# With authentication
Sys.setenv(ORCID_TOKEN = "your-token-here")
funding <- orcid_funding("0000-0002-1825-0097")

## End(Not run)
```

orcid_invited_positions

Retrieve invited positions from ORCID

Description

Fetches invited position records for an ORCID identifier, such as visiting professorships, guest lectureships, etc.

Usage

```
orcid_invited_positions(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/invited-positions>

Value

A data.table with the following columns:

| | |
|---------------------|--|
| orcid | ORCID identifier |
| put_code | Unique identifier for this invited position record |
| organization | Name of the hosting organization |
| department | Department name (if available) |
| role | Position title |
| start_date | Position start date (ISO format) |
| end_date | Position end date (ISO format) |
| city | City of organization |
| region | State/region of organization |
| country | Country of organization |

Returns an empty data.table with the same structure if no invited position records are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_employments](#), [orcid_activities](#)

Examples

```
## Not run:
# Fetch invited positions
positions <- orcid_invited_positions("0000-0002-1825-0097")
print(positions)

## End(Not run)
```

| | |
|----------------|-------------------------------------|
| orcid_keywords | <i>Retrieve keywords from ORCID</i> |
|----------------|-------------------------------------|

Description

Fetches research keywords associated with an ORCID record. Keywords help identify research areas and interests.

Usage

```
orcid_keywords(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------------|---|
| <code>orcid_id</code> | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| <code>token</code> | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/keywords>

Value

A data.table with the following columns:

orcid ORCID identifier

put_code Unique identifier for this keyword

keyword Keyword text

Returns an empty data.table with the same structure if no keywords are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_person](#)

Examples

```
## Not run:  
# Fetch keywords  
keywords <- orcid_keywords("0000-0002-1825-0097")  
print(keywords)  
  
## End(Not run)
```

orcid_memberships

Retrieve memberships from ORCID

Description

Fetches professional membership records for an ORCID identifier, such as memberships in professional societies, organizations, etc.

Usage

```
orcid_memberships(orcid_id, token = NULL)
```

Arguments

| | |
|----------|--|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX. |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/memberships>

Value

A data.table with the following columns:

orcid ORCID identifier
put_code Unique identifier for this membership record
organization Name of the organization
department Department name (if available)
role Membership role or title
start_date Membership start date (ISO format)
end_date Membership end date (ISO format)
city City of organization
region State/region of organization
country Country of organization

Returns an empty data.table with the same structure if no membership records are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_employments](#), [orcid_activities](#)

Examples

```
## Not run:  

# Fetch memberships  

memberships <- orcid_memberships("0000-0002-1825-0097")  

print(memberships)  

## End(Not run)
```

orcid_other_names *Retrieve other names from ORCID*

Description

Fetches alternative names (also known as, published as, etc.) associated with an ORCID record.

Usage

`orcid_other_names(orcid_id, token = NULL)`

Arguments

| | |
|----------|--|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX. |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/other-names>

Value

A data.table with the following columns:

- orcid** ORCID identifier
- put_code** Unique identifier for this name
- other_name** Alternative name

Returns an empty data.table with the same structure if no other names are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_person](#)

Examples

```
## Not run:  
# Fetch other names  
other_names <- orcid_other_names("0000-0002-1825-0097")  
print(other_names)  
  
## End(Not run)
```

orcid_peer_reviews *Retrieve peer review activities from ORCID*

Description

Fetches peer review records for a given ORCID identifier from the ORCID public API. Returns a structured data.table with peer review activities including reviewer roles, review types, and organizations.

Usage

```
orcid_peer_reviews(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. Most public data is accessible without authentication. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/peer-reviews>. Peer review activities can include journal article reviews, conference paper reviews, grant reviews, and other forms of scholarly evaluation.

The function respects ORCID API rate limits and includes appropriate User-Agent headers identifying the orcidr package.

Value

A data.table with the following columns:

orcid ORCID identifier

put_code Unique identifier for this peer review record

reviewer_role Role of the reviewer (e.g., reviewer, editor)

review_type Type of review (e.g., review, evaluation)

review_completion_date Date the review was completed (ISO format)

organization Name of the convening organization (e.g., journal, conference)

Returns an empty data.table with the same structure if no peer review records are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_works](#), [orcid_funding](#), [orcid_fetch_record](#)

Examples

```
## Not run:  
# Fetch peer review records for a public ORCID  
reviews <- orcid_peer_reviews("0000-0002-1825-0097")  
print(reviews)  
  
# With authentication  
Sys.setenv(ORCID_TOKEN = "your-token-here")  
reviews <- orcid_peer_reviews("0000-0002-1825-0097")  
  
## End(Not run)
```

orcid_person

Retrieve complete person data from ORCID

Description

Fetches comprehensive personal information including name, biography, keywords, researcher URLs, and other public profile data from an ORCID record.

Usage

```
orcid_person(orcid_id, token = NULL)
```

Arguments

| | |
|----------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. Most public data is accessible without authentication. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/person>

This endpoint provides the most comprehensive biographical information in a single request, including name, biography, keywords, URLs, addresses, emails, and external identifiers.

Value

A data.table with the following columns:

orcid ORCID identifier
given_names Given (first) name
family_name Family (last) name
credit_name Published/credit name (if provided)
biography Biography text
keywords Comma-separated research keywords
researcher_urls Comma-separated professional URLs
country Country of residence

Returns a data.table with NA values for missing fields.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_bio](#), [orcid_keywords](#), [orcid_researcher_urls](#)

Examples

```
## Not run:
# Fetch complete person data
person <- orcid_person("0000-0002-1825-0097")
print(person)

# Access specific fields
person$biography
person$keywords

# With authentication
Sys.setenv(ORCID_TOKEN = "your-token-here")
person <- orcid_person("0000-0002-1825-0097")

## End(Not run)
```

| | |
|------------|-------------------------------|
| orcid_ping | <i>Check ORCID API status</i> |
|------------|-------------------------------|

Description

Checks the health and availability of the ORCID public API. Useful for diagnostics and ensuring the API is accessible before making requests.

Usage

```
orcid_ping()
```

Details

This function queries the ORCID API status endpoint: <https://pub.orcid.org/v3.0/status>

Value

Character string with API status message (typically "OK" if healthy)

Examples

```
## Not run:  
# Check API status  
status <- orcid_ping()  
print(status)  
  
## End(Not run)
```

| | |
|----------------------|---|
| orcid_qualifications | <i>Retrieve qualifications from ORCID</i> |
|----------------------|---|

Description

Fetches professional qualification records for an ORCID identifier, such as licenses, certifications, etc.

Usage

```
orcid_qualifications(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------------|---|
| <code>orcid_id</code> | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| <code>token</code> | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/qualifications>

Value

A data.table with the following columns:

| | |
|---------------------|---|
| orcid | ORCID identifier |
| put_code | Unique identifier for this qualification record |
| organization | Name of the issuing organization |
| department | Department name (if available) |
| role | Qualification title |
| start_date | Qualification date (ISO format) |
| end_date | Expiration date (ISO format, if applicable) |
| city | City of organization |
| region | State/region of organization |
| country | Country of organization |

Returns an empty data.table with the same structure if no qualification records are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_educations](#), [orcid_activities](#)

Examples

```
## Not run:
# Fetch qualifications
qualifications <- orcid_qualifications("0000-0002-1825-0097")
print(qualifications)

## End(Not run)
```

orcid_researcher_urls *Retrieve researcher URLs from ORCID*

Description

Fetches professional and personal URLs associated with an ORCID record, such as personal web-sites, institutional profiles, social media, etc.

Usage

```
orcid_researcher_urls(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------------|---|
| <code>orcid_id</code> | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| <code>token</code> | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/researcher-urls>

Value

A data.table with the following columns:

- orcid** ORCID identifier
- put_code** Unique identifier for this URL
- url_name** Name/label for the URL
- url_value** The actual URL

Returns an empty data.table with the same structure if no URLs are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_person](#), [orcid_external_identifiers](#)

Examples

```
## Not run:
# Fetch researcher URLs
urls <- orcid_researcher_urls("0000-0002-1825-0097")
print(urls)

## End(Not run)
```

orcid_research_resources

Retrieve research resources from ORCID

Description

Fetches research resource records for an ORCID identifier, such as facilities, equipment, databases, collections, etc.

Usage

```
orcid_research_resources(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX . |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/research-resources>

Note: Research resources have a different structure than other affiliations, with a focus on the resource itself rather than organizational affiliations.

Value

A data.table with the following columns:

| | |
|-------------------|--|
| orcid | ORCID identifier |
| put_code | Unique identifier for this resource record |
| title | Resource title/name |
| hosts | Hosting organizations (comma-separated) |
| start_date | Resource start date (ISO format) |
| end_date | Resource end date (ISO format) |

Returns an empty data.table with the same structure if no research resource records are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_works](#), [orcid_activities](#)

Examples

```
## Not run:  
# Fetch research resources  
resources <- orcid_research_resources("0000-0002-1825-0097")  
print(resources)  
  
## End(Not run)
```

orcid_search

User-friendly ORCID search

Description

Search for ORCID profiles using named parameters instead of Solr query syntax. This function provides a more intuitive interface than [orcid](#).

Usage

```
orcid_search(  
  given_name = NULL,  
  family_name = NULL,  
  affiliation_org = NULL,  
  email = NULL,  
  keywords = NULL,  
  digital_object_ids = NULL,  
  other_name = NULL,  
  credit_name = NULL,  
  rows = 10,  
  start = 0,  
  token = NULL,  
  ...  
)
```

Arguments

| | |
|-------------|---|
| given_name | Character string. Given (first) name to search for. |
| family_name | Character string. Family (last) name to search for. |

| | |
|---------------------------------|--|
| <code>affiliation_org</code> | Character string. Organization name. |
| <code>email</code> | Character string. Email address (supports wildcards like *@example.org). |
| <code>keywords</code> | Character vector. One or more keywords to search for. |
| <code>digital_object_ids</code> | Character string. DOI or DOI pattern. |
| <code>other_name</code> | Character string. Alternative name. |
| <code>credit_name</code> | Character string. Credit/published name. |
| <code>rows</code> | Integer. Number of results to return (default: 10). |
| <code>start</code> | Integer. Starting position for pagination (default: 0). |
| <code>token</code> | Character string or NULL. Optional API token. |
| <code>...</code> | Additional parameters passed to orcid . |

Details

This function constructs a Solr query from the provided parameters and calls [orcid](#) internally. Multiple parameters are combined with AND logic. Uses the expanded-search endpoint to return name information.

Value

A data.table of search results (same structure as [orcid](#)). The total number of matches is available as `attr(result, "found")`.

See Also

[orcid](#) for more flexible query syntax

Examples

```
## Not run:
# Search by name
results <- orcid_search(
  family_name = "Fabbri",
  given_name = "Lorenzo"
)

# Search by affiliation
results <- orcid_search(affiliation_org = "Stanford University")

# Search by keywords
results <- orcid_search(keywords = c("machine learning", "genomics"))

# Combine multiple criteria
results <- orcid_search(
  family_name = "Smith",
  affiliation_org = "Harvard",
  rows = 20
```

```
)  
## End(Not run)
```

| | |
|----------------|-------------------------------------|
| orcid_services | <i>Retrieve services from ORCID</i> |
|----------------|-------------------------------------|

Description

Fetches service activity records for an ORCID identifier, such as committee memberships, editorial board positions, peer review activities, etc.

Usage

```
orcid_services(orcid_id, token = NULL)
```

Arguments

| | |
|----------|--|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX. |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/services>

Value

A data.table with the following columns:

| | |
|---------------------|---|
| orcid | ORCID identifier |
| put_code | Unique identifier for this service record |
| organization | Name of the organization |
| department | Department name (if available) |
| role | Service role or title |
| start_date | Service start date (ISO format) |
| end_date | Service end date (ISO format) |
| city | City of organization |
| region | State/region of organization |
| country | Country of organization |

Returns an empty data.table with the same structure if no service records are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_peer_reviews](#), [orcid_activities](#)

Examples

```
## Not run:
# Fetch services
services <- orcid_services("0000-0002-1825-0097")
print(services)

## End(Not run)
```

orcid_works

Retrieve works (publications) from ORCID

Description

Fetches work records (publications, datasets, preprints, etc.) for a given ORCID identifier from the ORCID public API. Returns a structured data.table with work details including titles, types, DOIs, and publication dates.

Usage

```
orcid_works(orcid_id, token = NULL)
```

Arguments

| | |
|-----------------|---|
| orcid_id | Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like https://orcid.org/XXXX-XXXX-XXXX-XXXX. |
| token | Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the ORCID_TOKEN environment variable. Most public data is accessible without authentication. |

Details

This function queries the ORCID public API endpoint: <https://pub.orcid.org/v3.0/{orcid-id}/works>

Works can include journal articles, books, datasets, conference papers, preprints, posters, and other scholarly outputs. The type field indicates the specific category of each work.

The function respects ORCID API rate limits and includes appropriate User-Agent headers identifying the orcidr package.

Value

A data.table with the following columns:

orcid ORCID identifier

put_code Unique identifier for this work record

title Title of the work

type Type of work. Common values include: "journal-article", "conference-paper", "conference-poster", "book", "book-chapter", "dissertation", "data-set", "preprint", "report", "working-paper", "other". Use this field to distinguish between different publication types.

publication_date Publication date (ISO format)

journal Journal or venue name (if available)

doi Digital Object Identifier (if available)

url URL to the work (if available)

Returns an empty data.table with the same structure if no works are found.

References

ORCID API Documentation: <https://info.orcid.org/documentation/api-tutorials/>

See Also

[orcid_employments](#), [orcid_funding](#), [orcid_fetch_record](#)

Examples

```
## Not run:  
# Fetch works for a public ORCID  
works <- orcid_works("0000-0002-1825-0097")  
print(works)  
  
# Filter by type to distinguish between different publication types  
journal_articles <- works[type == "journal-article"]  
conference_posters <- works[type == "conference-poster"]  
datasets <- works[type == "data-set"]  
preprints <- works[type == "preprint"]  
  
# With authentication  
Sys.setenv(ORCID_TOKEN = "your-token-here")  
works <- orcid_works("0000-0002-1825-0097")  
  
## End(Not run)
```

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