

# 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 *Search ORCID registry*

---

### **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:Harvard"

## 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

orcid_id	Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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}/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

orcid_id	Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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}/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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 <code>https://orcid.org/XXXX-XXXX-XXXX-XXXX</code> .
token	Character string or NULL. Optional API token for authenticated requests. If NULL (default), checks the <code>ORCID_TOKEN</code> 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 orcidtr 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	<i>Retrieve email information from ORCID</i>
-------------	--

---

### 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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 orcidtr 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

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

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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 orcidtr 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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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**

orcid_id	Character string. A valid ORCID identifier in the format XXXX-XXXX-XXXX-XXXX. Can also handle URLs like <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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}/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	<i>Retrieve memberships from ORCID</i>
-------------------	--

---

## 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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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	<i>Retrieve other names from ORCID</i>
-------------------	--

---

**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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 orcidtr 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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
<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 websites, institutional profiles, social media, etc.

### Usage

```
orcid_researcher_urls(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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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}/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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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	<i>User-friendly ORCID search</i>
--------------	-----------------------------------

---

## 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.

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

### 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      *Retrieve services from ORCID*

---

### 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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 <a href="https://orcid.org/XXXX-XXXX-XXXX-XXXX">https://orcid.org/XXXX-XXXX-XXXX-XXXX</a> .
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 orcidtr 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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