

Building URLs for creating DORA publication lists

DORA advanced search and the facet filters in the result view offer many possibilities to get the publications you need. However, not every possible selection choice is available via these options. Instead, when knowing the terms for the URL, you can create DORA URLs yourself. These URLs can be used in the content management system for visualizing DORA publication lists without any issue.

How to build your URL – The base

Your search URL always starts with the pattern:

[https://www.dora.lib4ri.ch/\[INSTITUTE\]/search/\[ENDPOINT\]?](https://www.dora.lib4ri.ch/[INSTITUTE]/search/[ENDPOINT]?). Replace [INSTITUTE] with eawag, empa, psi, or wsl, and [ENDPOINT] with the citation endpoint that matches your institute:

Institute	Citation endpoint
Eawag	json_cit_eaw
Empa	json_cit_a
PSI	json_cit
WSL	json_cit_wsl

After the question mark, add the filters of your choice. See below for the possible options and how to combine them using the different operators. Be aware that some options (*facility*, *beamline*, *division*, *department*) only exist at PSI. Also be aware that certain search options need a specific ID that you need to obtain beforehand.

Available filters

Filter	What it filters	Example URL
f.publicationYear	Year of publication	https://www.dora.lib4ri.ch/psi/search/json_cit?f.publicationYear=2024
f.affiliation	Research group, finest-grained unit at each research institute ID required → look up in DORA advanced search	https://www.dora.lib4ri.ch/psi/search/json_cit?f.affiliation=psi-units:42
f.genre	Publication type <i>for example: Journal Article, Report, Book Chapter ...</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.genre=Journal+Article
f.author	PSI author ID required → look up in DORA Author list, click on respective author and check URL	https://www.dora.lib4ri.ch/psi/search/json_cit?f.author=psi-authors:1234
f.peerReview	Whether the publication was peer-reviewed <i>possible cases: TRUE or FALSE</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.peerReview=TRUE
f.pubStatus	Publication status <i>possible cases: Published, Accepted, Submitted</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.pubStatus=Published

f.fullTextAccess	Whether a full-text PDF is available in DORA <i>possible cases: TRUE or FALSE</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.fullTextAccess=TRUE
f.addInfo	Additional information field (project markers) <i>for example: Use # prefix for project tags, e.g. #CERC</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.addInfo=%23CERC
f.keyword	Subject keyword <i>for example: neutron scattering, tomography ...</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.keyword=tomography
f.journal	Journal name	https://www.dora.lib4ri.ch/psi/search/json_cit?f.journal=Physical+Review+Letters
f.language	Language of publication <i>for example: eng, deu, fra</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.language=eng
f.funderName	Funding organisation	https://www.dora.lib4ri.ch/psi/search/json_cit?f.funderName=Swiss+National+Science+Foundation
f.fundingAwardNumber	Grant or award number	https://www.dora.lib4ri.ch/psi/search/json_cit?f.fundingAwardNumber=200021_184832
f.beamline	PSI beamline at SLS, SINQ, SpS, or SwissFEL <i>for example: TOMCAT, CAMEA, EIGER, HRPT ...</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.beamline=TOMCAT
f.facility	PSI large-scale research facility <i>for example: SLS, SINQ, SmuS, SwissFEL, PROSCAN</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.facility=SLS
f.division	PSI Research Center <i>for example: Photon Science CPS, Neutron and Muon Sciences NUM ...</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.division=Neutron+and+Muon+Sciences+NUM
f.department	PSI Laboratory within a Center <i>for example: Particle Physics LTP, Bio-Nano Interface BNI ...</i>	https://www.dora.lib4ri.ch/psi/search/json_cit?f.department=Particle+Physics+LTP

Combining filters

Filters from different fields are always combined with AND. Within a single field you can also apply OR, AND, or NOT logic.

AND — different fields

Stack different filters with &. All conditions must match.

For example: All TOMCAT publications from 2023

https://www.dora.lib4ri.ch/psi/search/json_cit?f.beamline=TOMCAT&f.publicationYear=2023

OR — multiple values for the same filter

Separate values with a comma. Prefix each value with or~ to make the logic explicit.

For example: Publications from TOMCAT or CAMEA (either beamline)

https://www.dora.lib4ri.ch/psi/search/json_cit?f.beamline=or~TOMCAT,or~CAMEA

For example: Publications from either Photon Science CPS or Neutron and Muon Sciences NUM

https://www.dora.lib4ri.ch/psi/search/json_cit?f.division=or~Photon+Science+CPS,or~Neutron+and+Muon+Sciences+NUM

NOT — exclude a value

Prefix a value with not~ to exclude it.

For example: All PSI publications except Reports

https://www.dora.lib4ri.ch/psi/search/json_cit?f.genre=not~Report

Free-text search

Add a keyword search across titles, abstracts, and authors with query=. Combine it with any filter.

For example: Search for "neutron scattering" within SINQ publications

https://www.dora.lib4ri.ch/psi/search/json_cit?query=neutron+scattering&f.facility=SINQ

OR — across different fields

To match records where either of two different filters is true, use the or~ prefix on each value and add a group parameter g.fieldName=0 for both fields. All filters sharing the same group number are OR-ed together.

For example: Publications from SLS or tagged with keyword "tomography" (either condition)

https://www.dora.lib4ri.ch/psi/search/json_cit?f.facility=or~SLS&f.keyword=or~tomography&g.facility=0&g.keyword=0

Pagination

Each request returns at most **500 results** — this is a fixed maximum that cannot be raised. Use limit to request fewer results per page and page to step through the full result set.

limit=N	Results per page. Maximum and default: 500. Set lower to fetch smaller pages, e.g. limit=20.
page=N	Page number, starting from 1. Example: page=3 returns results 41–60 when limit=20.

For example: 20 results per page, showing page 2 (results 21–40)

https://www.dora.lib4ri.ch/psi/search/json_cit?f.beamline=TOMCAT&limit=20&page=2

What you get back

The endpoint returns a JSON object. Each key is a publication identifier (PID) and the value contains formatted citations and a link to the full record in DORA.

Response structure (one publication)

```
{
  "psi:85251": {
    "citation": {
      "apa": "Author, A. (2024). Title. Journal, ...",
      "mla": "Author, A. \"Title.\" Journal ...",
      "chicago": "Author, Firstname. \"Title.\" ..."
    },
    "url": "https://www.dora.lib4ri.ch/psi/islandora/object/psi:85251"
  }
}
```

The citation field contains pre-formatted strings in APA, MLA, and Chicago style, including HTML markup for italics. The url points to the full DORA record for that publication.

Need only a list of IDs?

Use the PID-only endpoint: https://www.dora.lib4ri.ch/psi/search/json_cit_pids with the same filter parameters. This returns only the publication IDs, which is faster when you only need to count results or resolve records individually.