



ELSEVIER

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USER GUIDE

Elsevier Scopus APIs

Getting Started Guide

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Introduction

Elsevier's Scopus Application Programming Interfaces (APIs) grant programmatic access to the curated abstracts and citation data from all scholarly journals indexed by Scopus. Each of the 11 APIs return different data to support a range of different use cases, including:

- Automatically display publication, citation, and author metrics on institution platforms
- Conduct federated searches and analyze publication dynamics
- Populate current research information systems (CRIS)
- Benchmark research performance and identify research trends

Scopus APIs can be used with any tool and/or programming language. This user guide explains how to retrieve data via the Scopus APIs.



Visit the following link for a collection of different use cases and details about their implementation:
[Scopus API use cases](#)



1. Overview of Scopus APIs

Eleven APIs grant access to Scopus content. Eight are designed to retrieve metadata, content, metrics and other data from specified Scopus document, author profile, and affiliation profile records. The remaining three enable searches within the Scopus body of abstracts, author profiles, and affiliation profiles. Some of the APIs have more than one “view” in which responses are returned. Those views differ in the content fields they include and may be restricted based on [access or entitlement](#).

API	Description and Root-endpoint	Method	Multiple views	Response formats
Abstract Retrieval	Returns the Scopus abstracts of a specified document, including rich metadata like links to author and affiliation profiles. https://api.elsevier.com/content/abstract	GET	•	XML
Abstract Citation Count	Returns citation (cited by) counts for specified documents as a Scopus-branded image or metadata. https://api.elsevier.com/content/abstract/citation-count	GET		JPG JSON XML
Citation Overview	Returns citation metadata, including counts and citation summaries, for specified documents. https://api.elsevier.com/content/abstract/citations	GET		JSON XML
Serial Title	Returns metadata, including journal metrics, or cover image of one or more specified serial titles. https://api.elsevier.com/content/serial/title	GET	•	GIF JSON XML
Subject Classifications	Returns subject classifications used in Scopus or ScienceDirect content. https://api.elsevier.com/content/subject	GET		JSON XML
Affiliation Retrieval	Returns a Scopus affiliation profile, which may contain links to Scopus Search and author profiles. https://api.elsevier.com/content/affiliation	GET	•	JSON ATOM XML



API	Description and Root-endpoint	Method	Multiple views	Response formats
Author Retrieval	Returns one ore more Scopus author profiles, which may contain links to Scopus Search and affiliation profiles. https://api.elsevier.com/content/author	GET	•	JSON ATOM XML
PlumX Metrics	Returns PlumX metrics (aggregate metric counts) for a specified document. https://api.elsevier.com/analytics/plumx	GET	•	JSON ATOM XML
Affiliation Search	Allows searching the Scopus affiliation profiles. Each result will include a link to an affiliation profile. https://api.elsevier.com/content/search/affiliation	GET		JSON ATOM XML
Author Search	Allows searching the Scopus author profiles. Each result will include a link to an author profile and lay include a link to the author's current affiliation profile. https://api.elsevier.com/content/search/author	GET		JSON ATOM XML
Scopus Search	Allows searching Scopus abstracts. Each result will link to a Scopus abstract and may include a link to the full-text article. https://api.elsevier.com/content/search/scopus	GET	•	JSON ATOM XML

Additional information and specifications can be found at:
[Elsevier Developer Portal Documentation: Scopus API Specification](#)



For support, visit the dedicated online developer portal at <https://dev.elsevier.com>

Alternatively, send an e-mail to apisupport@elsevier.com



2. Authenticate

An application that uses one or more Scopus APIs must use a unique caller name known as an API Key to identify itself. This API Key cannot be reused for another application. Elsevier provides two authentication methods to request an API, both requiring an API Key.

- Institution IP-based authentication access
- Institutional token authentication



To obtain an API Key and gain access to a Scopus API, visit:

- [Register for an APIKey](#)

To learn more about API Keys and authentication, visit:

- [API Technical Specifications](#)
- [API Authentication](#)

2.1. IP-based authentication

The IP-based method is the default for any Scopus API Key and is meant for institutional subscribers that use IP authentication to access Scopus. The same IP addresses registered by an institution with Elsevier to access the Scopus web interface can be used to access the Scopus APIs. Run your application on an internet-enabled machine with a registered IP address and use your API Key to authenticate each request to the Scopus APIs. You can authenticate by submitting your API Key as an http request header (recommended for security):

```
curl -X GET --header 'Accept: text/xml' 'https://api.elsevier.com/content/abstract/doi/10.1016/S0014-5793(01)03313-0?apiKey=[Your API Key]'
```

```
curl -X GET --header 'Accept: text/xml' 'https://api.elsevier.com/content/search/author?query=authlast(Einstein)%20and%20authfirst(Albert)%20and%20affil(Princeton)&apiKey=[Your API Key]'
```

Or within a request URL:

```
http://api.elsevier.com/content/abstract/doi/10.1016/S0014-5793(01)03313-0?apiKey=[Your API Key]
```

```
http://api.elsevier.com/content/search/author?query=authlast(Einstein)%20and%20authfirst(Albert)%20and%20affil(Princeton)&apiKey=[Your API Key]
```




2.2. Institutional token authentication

An institutional token, or insttoken, is an additional security token submitted in tandem with your API Key. Insttokens are only available for customers or partners working on behalf of a customer that cannot use IP authentication to access the Scopus APIs and thus, must be enabled manually by an Elsevier representative to use an API Key. An institutional token gives full access to the customer account within Elsevier authentication and entitlements system. If you are granted an insttoken, Elsevier provides additional details about restrictions and use.

2.3. Access and entitlement

Access and entitlement varies according to user. Non-subscribers have limited access to some Scopus APIs, like the BASIC view of the Scopus Search and the Abstract Retrieval APIs. Academic subscribers have access to most Scopus APIs and data fields under their subscription to the Scopus web interface. Finally, commercial customers have access to Scopus APIs and data fields as defined in API-specific licenses.

While most Scopus APIs and data fields are automatically available to institutions with a valid Scopus subscription, some Scopus APIs, data fields, and results views are only available upon request. For access, use your institution e-mail to send a request via the following link. Include your API Key and use case.



Visit the following link to request an access-controlled API or permission:
[Data as a Service Support Center](#)

Access-controlled Scopus APIs and permissions that are available only upon request include:

- Citation Overview API
- refEID field
- Index Keyword field
- DOCUMENTS view of the [Affiliation Retrieval](#) and [Author Retrieval](#) APIs

Please note that our policy is to enable special access on only one API Key per project. Quotas are then adjusted accordingly to meet the needs of that project.



2.4. Off-platform data requests

Third-party providers working with international repositories or CRIS systems may request access to Scopus APIs. In that case, a Customer Consultant is asked to submit an Off-Platform Data Request (OPDR) form. Access is granted upon approval by the OPDR team.



3. Request

An API URL is called a request while the data sent back to you is called a response.

A request consists of four components:

- Root-endpoint (or route)
- Headers
- Method
- Query parameters

Access to a Scopus API has a rate limit (throttling); that is, a maximum number of requests per second. Each API Key created is assigned a throttling level of *Development*, *Low*, *Medium* or *High* according to user needs. The rate limit corresponding to each level depends on the API. API Keys are also assigned a default weekly quota, but these can be individually defined for an API Key. The following table summarizes the default quotas of the Scopus APIs. The APIs return an http 429 TOO MANY REQUESTS message when a quota or throttle rate is exceeded.

Rate limits						
API name	Result limits	Development	Low	Medium	High	Weekly quota
Abstract Retrieval	–	9	9	12	15	10,000
Abstract Citations Count	Default 25 results; maximum 200 results	15	15	20	20	20,000
Serial Title	Default 25 results; maximum 200 results	6	6	9	12	20,000
Subject Classifications	Default 25 results; maximum 200 results	N/A	N/A	N/A	N/A	N/A
Affiliation Retrieval	–	9	9	12	15	5,000
Author Retrieval	–	6	6	9	12	5,000
Affiliation Search	Default 25 results; maximum 200 results; 5,000 item result limit	6	6	9	12	5,000
Author Search	Default 25 results; maximum 200 results; 5,000 item result limit	6	6	9	12	5,000
Scopus Search	Maximum 25–200 results, depending on view; 5,000 item result limit without 'cursor pagination'	9	9	12	15	20,000



Visit the following link for additional information on quotas:

[How much data can I retrieve with my API Key?](#)

To request a quota increase, submit an email via the following link:

[Data as a Service Support Center](#)

3.1. Root-endpoint

The root-endpoint is the starting point of each Scopus API to which you are placing a request. The root-endpoint of each Scopus API is listed in the table on page 6. A request consists of the root-endpoint followed by query parameters.

For example, the request URL in the Scopus Search API for a simple query of the term “diabetes” and specifying XML output would look something like this:

```
https://api.elsevier.com/content/search/scopus?httpaccept=application/xml&query=diabetes  
&apiKey=[Your API Key]
```

3.2. Headers

The Headers interface of the API allows you to perform various actions on http request and response headers. For the purposes of this guide, we will use the command line utility `curl`.

Make sure you have `curl` installed. Type the following command in your system terminal to check the version installed on your system:

```
Curl --version
```

Type `curl` followed by the header parameters you wish to include and then the root-endpoint you’re requesting. In the case of the request above:

```
curl -X GET --header 'Accept: application/xml' 'https://api.elsevier.com/content/search/scopus?query=diabetes  
&apiKey=[YourAPIKey]'
```



Accept is a required parameter. Other header parameters serve to provide access and authorization information.

Header parameter	Description
Accept	(required) Indicates format of the data download. Options include application/xml, application/json, application/atom+xml, text/xml, text/html. The Citation Count API also has the option image/jpeg, and Serial Title API has the option of image/gif.
Authorization	Contains an OAuth bearer token to place requests executed against user-based entitlements. Overrides X-ELS-Authtoken.
X-ELS-APIKey	Contains the unique application developer key.
X-ELS-Authtoken	Key to validate credentials to access a resource for an end-user session.
X-ELS-ReqId	Contains a client-defined request identifier that is logged in all trace messages of the service. Used to track specific transactions.
X-ELS-Insttoken	Contains an institution token provided in combination with the associated API Key to establish credentials for resource access.
X-ELS-ResourceVersion	Indicates the version of the resource that should be used.

3.3. Method

The method is the type of request you send to the server. All Scopus APIs use the GET method.

3.4. Query parameters

The last part of the request URL lists the query parameters. Query parameters begin with a question mark (?) and each subsequent parameter pair is separated by an ampersand (&). See page 50 for a list and description of query parameters available in each API.

3.5. Faceting and sorting

The [Affiliation Search](#), [Author Search](#), and [Scopus Search](#) APIs include a query parameter called facets. It is used to define data fields for the faceted navigation of records in a response.

One or more fields can be defined for faceting. They should be separated by a semicolon. Each facet can also be modified along the dimensions listed in the table below, which are entered in parentheses after the facet, separated by commas.

```
facets=prefnameuid(count=20,sort=na,prefix=Ma);exactsrctitle(prefix=J);subjabbr(sort=fd);pubyr;exactkeywords(sort=fdna)
```



Facet dimension	Description
count	Defines the number of „buckets“ to include in a facet.
sort	Indicates how the facet categories should be sorted. Options include “na” by category name, ascending; “fd” by category frequency, descending; and “fdna” by category frequency descending, secondary sort by name ascending.
prefix	Filters the facet values to only those matching a specific prefix (not applicable to numerical values).

Furthermore, you can include or exclude certain values from a faceted response using the qualifiers listed in the table below. These facet qualifiers (include, exclude, and variations thereof) can only be included if the `prefix` parameter is also part of the request.

Facet qualifier	Description
include	Includes in the faceted response only the value specified.
include_above	Includes in the faceted response only values above the value specified.
include_below	Includes in the faceted response only values below the value specified.
exclude	Excludes the value specified from the faceted response.
exclude_above	Excludes values above the value specified from the faceted response.
Exclude_below	Excludes values below the value specified from the faceted response.

Another query parameter called `sort` that is available in the three Search APIs and in the [Citation Overview API](#) allows defining fields by which records in a response are sorted.

Entry options for the `facets` and `sort` query parameters differ among the APIs. The options are listed and defined in the chapters corresponding to each API.

Some examples of requests and their corresponding responses can be found on page 16.



4. Response

The response to a request is returned in the format defined either in the header parameter `Accept` or the query parameter `httpAccept`. Options include XML, JSON, or an image.

Responses are limited to a finite number of records, defined by the contracted service level and/or entitlements. Loop over the response using `start` and `count` to retrieve batches of records in a response. For example, the following request delivers records 200 to 399 of the response.

```
https://api.elsevier.com/content/search/scopus?start=200&count=200&httpaccept=application/xml&query=dia  
betes&APIKey=[YourAPIKey]
```



A response is limited to a predefined number of records. However, you can computationally loop over the response to download the complete set of data.

Retrieval of large data sets (>100,000 records) is discouraged. Download gets progressively slower at the tail end of the data set and causes high server load. Single requests can be apportioned, for example by publication year, to generate several smaller data sets. Note that the number of requests placed to a given API is also restricted by a [quota and throttle rate](#).



Each response is also returned with a standardized message about the status of the request.

Response Messages

HTTP Status Code	Reason	HTTP Status Code	Reason
400	Invalid information submitted	200	OK
401	Missing/invalid credentials	300	Single author profile is superseded by multiple author profiles
403	Authentication or entitlements cannot be validated	301	Redirection to a superseding single author profile
404	Requested resource not found	429	Quota exceeded
405	Invalid http method	500	Generic error
406	Invalid mime type		

4.1. Request and response examples

The following are examples of requests that can be made with the Scopus APIs. Where possible, we've included the full or abridged response. Note that the sample responses are limited to content in Scopus as of the publication date of this User Guide. Scopus content is continually updated, so responses may deviate.



Use the interactive APIs to experiment with requests and responses.

[Scopus Interactive APIs](#)

Example 1: Scopus Citation Overview API

Intent: To retrieve citation counts for a document (Scopus ID: 33646008552) broken down by year and excluding self-citations.

Request:

```
https://api.elsevier.com/content/abstract/citations?scopus_id=33646008552&citation=exclude-self
```




Example 2: Scopus Abstract Citation Count API

Intent: To retrieve the citation counts of a document (doi: 10.1590/1519-6984.250236) as metadata.

Request:

```
https://api.elsevier.com/content/abstract/citation-count?doi=10.1590/1519-6984.250256&httpAccept=application/xml
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<citation-count-response xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:prism="http://prismstandard.org/namespaces/basic/2.0/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <document status="found">
    <dc:identifier>SCOPUS_ID:85123025187</dc:identifier>
    <prism:url>https://api.elsevier.com/content/abstract/scopus_id/85123025187</prism:url>
    <prism:doi>10.1590/1519-6984.250256</prism:doi>
    <pii/>
    <pubmed_id>34932624</pubmed_id>
    <eid>2-s2.0-85123025187</eid>
    <article-number>e250256</article-number>
    <citation-count>9</citation-count>
    <link href="https://www.scopus.com/inward/record.uri?partnerID=HzOxMe3b&scp=85123025187&origin=inward" rel="scopus"/>
    <link href="https://www.scopus.com/inward/citedby.uri?partnerID=HzOxMe3b&scp=85123025187&origin=inward" rel="scopus-citedby"/>
  </document>
</citation-count-response >
```

Example 3: Scopus Serial Title API

Intent: Retrieve the cover image (first request) and the metadata (second request) of a serial title (ISSN: 03088146), including journal metrics like IPP, SJR, and SNIP.

Request (cover image):

```
https://api.elsevier.com/content/serial/title/issn/03088146?view=coverimage
```

Request (metadata):

```
https://api.elsevier.com/content/serial/title/issn/03088146
```



Response (metadata):

```
{
  "serial-metadata-response": {
    "link": [
      {
        "@_fa": "true",
        "@ref": "self",
        "@href": "https://api.elsevier.com/content/serial/title/issn/03088146",
        "@type": "application/json"
      }
    ],
    "entry": [
      {
        "@_fa": "true",
        "dc:title": "Food Chemistry",
        "dc:publisher": "Elsevier Ltd.",
        "coverageStartYear": "1976",
        "coverageEndYear": "2023",
        "prism:aggregationType": "journal",
        "source-id": "24039",
        "prism:issn": "0308-8146",
        "prism:elssn": "1873-7072",
        "openaccess": "0",
        "openaccessArticle": false,
        "openArchiveArticle": false,
        "openaccessType": "None",
        "openaccessStartDate": null,
        "oaAllowsAuthorPaid": false,
        "subject-area": [
          {
            "@_fa": "true",
            "@code": "1602",
            "@abbrev": "CHEM",
            "$": "Analytical Chemistry"
          },
          {
            "@_fa": "true",
            "@code": "1106",
            "@abbrev": "AGRI",
            "$": "Food Science"
          }
        ],
        "SNIPList": {
          "SNIP": [
            {
              "@_fa": "true",
              "@year": "2022",
              "$": "2.197"
            }
          ]
        },
        "SJRLList": {
```



```
"SJR": [
  {
    "@_fa": "true",
    "@year": "2022",
    "$": "1.624"
  }
],
"citeScoreYearInfoList": {
  "citeScoreCurrentMetric": "14.9",
  "citeScoreCurrentMetricYear": "2022",
  "citeScoreTracker": "12.6",
  "citeScoreTrackerYear": "2023"
},
"link": [
  {
    "@_fa": "true",
    "@ref": "scopus-source",
    "@href": "https://www.scopus.com/source/sourceInfo.url?sourceId=24039"
  },
  {
    "@_fa": "true",
    "@ref": "homepage",
    "@href": "http://www.sciencedirect.com/science/journal/03088146"
  },
  {
    "@_fa": "true",
    "@ref": "coverimage",
    "@href": "https://api.elsevier.com/content/serial/title/issn/0308-8146?view=coverimage"
  }
],
"prism:url": "https://api.elsevier.com/content/serial/title/issn/0308-8146"
}
]
```

Example 4: Scopus Subject Classifications API

Intent: To list subject classifications associated with with Scopus content.

Request:

```
https://api.elsevier.com/content/subject/scopus
```



Response (abridged):

```
<?xml version="1.0" encoding="UTF-8"?>
<subject-classifications>
  <subject-classification code="1000" detail="Multidisciplinary" abbrev="MULT">Multidisciplinary</subject-classification>
  <subject-classification code="1100" detail="Agricultural and Biological Sciences (all)" abbrev="AGRI">Agricultural and Biological Sciences</subject-classification>
  <subject-classification code="1101" detail="Agricultural and Biological Sciences (miscellaneous)" abbrev="AGRI">Agricultural and Biological Sciences</subject-classification>
  <subject-classification code="1102" detail="Agronomy and Crop Science" abbrev="AGRI">Agricultural and Biological Sciences</subject-classification>
  <subject-classification code="1103" detail="Animal Science and Zoology" abbrev="AGRI">Agricultural and Biological Sciences</subject-classification>
  <subject-classification code="1104" detail="Aquatic Science" abbrev="AGRI">Agricultural and Biological Sciences</subject-classification>
  <subject-classification code="1105" detail="Ecology, Evolution, Behavior and Systematics" abbrev="AGRI">Agricultural and Biological Sciences</subject-classification>
  [...]
  <subject-classification code="3616" detail="Speech and Hearing" abbrev="HEAL">Health Professions</subject-classification>
</subject-classifications>
```

Example 5: Scopus Abstract Retrieval API

Intent: To retrieve the full abstract and metadata (including links to autor and affiliation profiles) of a document (doi: 10.1002/ajp.23170).

Request:

```
https://api.elsevier.com/content/abstract/doi/10.1002/ajp.23170
```

Example 6: Scopus Author Retrieval API

Intent: To retrieve the Scopus author profile with Scopus Author ID 56962745700 plus metadata. Note: Scopus author profiles are indexed and can be searched with the Author Search API.

Request:

```
https://api.elsevier.com/content/author/author_id/56962745700
```



Example 7: Scopus Affiliation Retrieval API

Intent: To retrieve the Scopus affiliation profile with Scopus Affiliation ID 60090656 plus metadata. Note: Scopus affiliation profiles are indexed and can be searched with the Affiliation Search API.

Request:

```
https://api.elsevier.com/content/search/affiliation?query=af-id(60090656)
```

Response:

```
{
  "search-results": {
    "opensearch:totalResults": "1",
    "opensearch:startIndex": "0",
    "opensearch:itemsPerPage": "1",
    "opensearch:Query": {
      "@role": "request",
      "@searchTerms": "af-id(60090656)",
      "@startPage": "0"
    },
    "link": [
      {
        "@_fa": "true",
        "@ref": "self",
        "@href": "https://api.elsevier.com/content/search/affiliation?start=0&count=25&query=af-id%2860090656%29",
        "@type": "application/json"
      },
      {
        "@_fa": "true",
        "@ref": "first",
        "@href": "https://api.elsevier.com/content/search/affiliation?start=0&count=25&query=af-id%2860090656%29",
        "@type": "application/json"
      }
    ],
    "entry": [
      {
        "@_fa": "true",
        "link": [
          {
            "@_fa": "true",
            "@ref": "self",
            "@href": "https://api.elsevier.com/content/affiliation/affiliation_id/60090656"
          },
          {
            "@_fa": "true",
            "@ref": "search",

```



```
      "@href": "https://api.elsevier.com/content/search/scopus?query=af-id%2860090656%29"
    },
    {
      "@_fa": "true",
      "@ref": "scopus-affiliation",
      "@href": "https://www.scopus.com/affil/profile.uri?afid=60090656&partnerID=HzOxMe3b&origin
=inward"
    }
  ],
  "prism:url": "https://api.elsevier.com/content/affiliation/affiliation_id/60090656",
  "dc:identifier": "AFFILIATION_ID:60090656",
  "eid": "10-s2.0-60090656",
  "affiliation-name": "Universiti Tun Hussein Onn Malaysia",
  "name-variant": [
    {
      "@_fa": "true",
      "$": "Universiti Tun Hussein Onn Malaysia"
    }
  ],
  "document-count": "15978",
  "city": "Batu Pahat",
  "country": "Malaysia",
  "parent-affiliation-id": "0"
}
]
}
}
```

Example 8: Scopus Search API

Intent: To list all Scopus abstract entries that include *heart attack* in the title, published between 2018 and 2020. Entries should be provided in the COMPLETE view.

Request:

```
https://api.elsevier.com/content/search/scopus?query=PUBYEAR+%3E+2018+AND+PUBYEAR+%3C+2020+AND
%28TITLE%28heart+attack%29%29&view=complete
```

Example 9: Scopus Affiliation Search API

Intent: To retrieve any Scopus affiliation profiles (including metadata) for the University of Washington.

Request:

```
https://api.elsevier.com/content/search/affiliation?query=AFFIL(Universiti of Washington)
```



Example 10: Scopus Author Search API

Intent: To retrieve the Scopus author profile (including metadata) with the Scopus Author ID 55547104688.

Request:

```
https://api.elsevier.com/content/search/author?query=au-id(55547104688)
```

Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<search-results xmlns="http://www.w3.org/2005/Atom" xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:opensearch="http://a9.com/-/spec/opensearch/1.1/" xmlns:prism="http://prismstandard.org/namespaces/basic/2.0/" xmlns:atom="http://www.w3.org/2005/Atom">
  <opensearch:totalResults>1</opensearch:totalResults>
  <opensearch:startIndex>0</opensearch:startIndex>
  <opensearch:itemsPerPage>1</opensearch:itemsPerPage>
  <opensearch:Query role="request" searchTerms="au-id(55547104688)" startPage="0"/>
  <link ref="self" href="https://api.elsevier.com/content/search/author?start=0&count=25&query=au-id%2855547104688%29" type="application/xml"/>
  <link ref="first" href="https://api.elsevier.com/content/search/author?start=0&count=25&query=au-id%2855547104688%29" type="application/xml"/>
  <entry>
    <link ref="self" href="https://api.elsevier.com/content/author/author_id/55547104688"/>
    <link ref="search" href="https://api.elsevier.com/content/search/author?query=au-id%2855547104688%29"/>
    <link ref="scopus-citedby" href="https://www.scopus.com/author/citedby.uri?partnerID=HzOxMe3b&citedAuthorId=55547104688&origin=inward"/>
    <link ref="scopus-author" href="https://www.scopus.com/authid/detail.uri?partnerID=HzOxMe3b&authorId=55547104688&origin=inward"/>
    <prism:url>https://api.elsevier.com/content/author/author_id/55547104688</prism:url>
    <dc:identifier>AUTHOR_ID:55547104688</dc:identifier>
    <eid>9-s2.0-55547104688</eid>
    <preferred-name>
      <surname>Smith</surname>
      <given-name>David E.</given-name>
      <initials>D.E.</initials>
    </preferred-name>
    <name-variant>
      <surname>Smith</surname>
      <given-name>D. E.</given-name>
      <initials>D.E.</initials>
    </name-variant>
    <name-variant>
      <surname>Smith</surname>
      <given-name>David E.</given-name>
      <initials>D.E.</initials>
    </name-variant>
  </entry>
</search-results>
```



```
<surname>Smith</surname>
<given-name>David A.</given-name>
<initials>D.A.</initials>
</name-variant>
<document-count>96</document-count>
<subject-area abbrev="EART" frequency="127">Earth and Planetary Sciences (all)</subject-area>
<subject-area abbrev="PHYS" frequency="50">Physics and Astronomy (all)</subject-area>
<subject-area abbrev="ENGI" frequency="24">Engineering (all)</subject-area>
<affiliation-current>
  <affiliation-url>https://api.elsevier.com/content/affiliation/affiliation_id/60022195</affiliation-url>
  <affiliation-id>60022195</affiliation-id>
  <affiliation-name>Massachusetts Institute of Technology</affiliation-name>
  <affiliation-city>Cambridge</affiliation-city>
  <affiliation-country>United States</affiliation-country>
</affiliation-current>
</entry>
</search-results>
```

Example 11: PlumX API

Intent: To retrieve all PlumX metrics for the document with doi:
10.1103/physrevlett.116.061102

Request:

```
https://api.elsevier.com/analytics/plumx/doi/10.1103/physrevlett.116.061102
```

Response:

```
{
  "id_type": "doi",
  "id_value": "10.1103/physrevlett.116.061102",
  "count_categories": [
    {
      "name": "capture",
      "total": 4754,
      "count_types": [
        {
          "name": "READER_COUNT",
          "total": 4753
        },
        {
          "name": "EXPORTS_SAVES",
          "total": 1
        }
      ]
    }
  ],
  {
    "name": "citation",
```




```
"total": 8658,
"count_types": [
  {
    "name": "CITED_BY_COUNT",
    "total": 8657,
    "sources": [
      {
        "name": "Scopus",
        "total": 8657
      },
      {
        "name": "CrossRef",
        "total": 1409
      },
      {
        "name": "PubMed",
        "total": 181
      },
      {
        "name": "Academic Citation Index (ACI) - aairiti",
        "total": 1
      }
    ]
  },
  {
    "name": "POLICY_CITED_BY_COUNT",
    "total": 1,
    "sources": [
      {
        "name": "Policy Citation",
        "total": 1
      }
    ]
  }
]
},
{
  "name": "mention",
  "total": 435,
  "count_types": [
    {
      "name": "REFERENCE_COUNT",
      "total": 193
    },
    {
      "name": "NEWS_COUNT",
      "total": 154
    },
    {
      "name": "QA_SITE_MENTIONS",
      "total": 58
    },
    {
      "name": "ALL_BLOG_COUNT",
```



```
        "total": 30
      }
    ]
  },
  {
    "name": "socialMedia",
    "total": 30752,
    "count_types": [
      {
        "name": "FACEBOOK_COUNT",
        "total": 27032
      },
      {
        "name": "TWEET_COUNT",
        "total": 3720
      }
    ]
  },
  {
    "name": "usage",
    "total": 1992,
    "count_types": [
      {
        "name": "LINK_CLICK_COUNT",
        "total": 1704
      },
      {
        "name": "DOWNLOAD_COUNT",
        "total": 224
      },
      {
        "name": "ABSTRACT_VIEWS",
        "total": 59
      },
      {
        "name": "LINK_OUTS",
        "total": 5
      }
    ]
  }
]
}
```



5. Abstract Retrieval API

Use the Abstract Retrieval API to request one or more Scopus abstracts using a document identifier, such as a DOI or PubMed ID. A full abstract includes rich metadata with links to author and affiliation profiles. Note that the native format of an abstract text is XML. Portions can be translated to JSON but the full abstract cannot be accurately represented in JSON format. The text of abstracts is searchable using the [Scopus search API](#).

See page 20 for an example of a request.

5.1. Interfaces and views

Use the interface for the relevant document identifier to submit requests to the Abstract Retrieval API:

URL	Method	Description
https://api.elsevier.com/content/abstract/scopus_id/{scopus_id}	GET	Returns a Scopus abstract based on a Scopus Identifier.
https://api.elsevier.com/content/abstract/eid/{eid}	GET	Returns a Scopus abstract based on an Electronic Identifier.
https://api.elsevier.com/content/abstract/doi/{doi}	GET	Returns a Scopus abstract based on a Digital Object Identifier. Not every abstract record contains a DOI.
https://api.elsevier.com/content/abstract/pii/{pii}	GET	Returns a Scopus abstract based on a Publication Item Identifier. Not every abstract record contains a PII.
https://api.elsevier.com/content/abstract/pubmed_id/{pubmed_id}	GET	Returns a Scopus abstract based on a MEDLINE PubMed Identifier.
https://api.elsevier.com/content/abstract/pui/{pui}	GET	Returns a Scopus abstract based on an EMBASE Identification Number.



A textual metadata response is returned in one of five views based on access and entitlements: BASIC, META, META_ABS, REF, or FULL. The default view is META.

Parent field	Fields included	BASIC	META	META_ABS	REF	FULL
	eid	•	•	•		•
	link ref=scopus	•	•	•		•
	prism:url	•	•	•	•	•
	dc:identifier	•	•	•	•	•
	openaccess	•	•	•		•
	openaccessFlag	•	•	•		•
	link ref=self		•	•		•
	dc:title		•	•	•	•
	prism:aggregationType		•	•		•
	subtype		•	•		•
	subtypeDescription		•	•		•
	citedby-count		•	•	•	•
	prism:publicationName		•	•	•	•
	prism:isbn		•	•		•
	prism:issn		•	•		•
	prism:volume		•	•	•	•
	prism:issueIdentifier		•	•	•	•
	prism:pageRange		•	•	•	•
	prism:coverDate		•	•		•
	pubmed-id		•	•	•	•
	prism:doi		•	•	•	•
	article-number		•	•	•	•
dc:creator	@auid		•	•		•
	author-url		•	•		•
affiliation	affiliation-name		•	•		•
authors	author			•	•	•
author	@auid			•	•	•
	author-url			•	•	•
affiliation	afid			•		•
	affiliation-url			•		•
	dc:description			•		•
	intid					•
subject-areas	subject-area					•
subject-area	@code					•



Parent field	Fields included	BASIC	META	META_ABS	REF	FULL
	@abbrev					•
item	Label of original language					•
	Author keywords					•
	Index keywords (<i>not available by default</i>)					•

5.2. API-specific query parameter options

Query parameter	Options	Description
httpAccess	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XLM output; allows multiple records
	application/rdf+xml	Sets mime type to RDF/XLM output; allows multiple records
	text/xml	Sets mime type to XLM as text; allows multiple records
	text/html	Sets mime type to html as text; allows multiple records

5.3. Note about “dummy” records

Records that are indexed in Scopus but do not include references, abstract and other metadata are called *dummy* records. Because they lack an abstract, such records generate a “Response Not Found” message in the Abstract Retrieval API. The records do, however, appear in results from the [Scopus Search API](#). Because only core documents with all associated metadata within Scopus appear in responses from the Abstract Retrieval API, adding the parameter `content=core` to your request culls all “Response Not Found” messages.



6. Abstract Citation Count API

This API retrieves document citation counts as a watermarked image or as metadata in JSON or XML format. The image format is restricted to a single document and is considered a distinct resource, separate from a textual metadata response.

See page 17 for an example of a request.

6.1. Interfaces and views

A single interface is used to submit requests to the Abstract Citation Count API:

URL	Method	Description
https://api.elsevier.com/content/abstract/citation-count	GET	Returns the cited-by count of a document specified by an identifier.

A textual metadata response is returned in the default FULL view:

Fields included	FULL
prism:url	•
prism:doi	•
pii	•
pubmed_id	•
eid	•
citation-count	•
link rel=scopus	•
link ref=scopus-citedby	•

6.2. API-specific query parameter options

Query parameter	Options	Description
httpAccess	Image/jpeg	Sets mime type to a JPEG image
	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XLM output; allows multiple records
	text/xml	Sets mime type to XLM as text; allows multiple records
	text/html	Sets mime type to html as text; allows multiple records



7. Citation Overview API

This API retrieves document citation counts for one or more specified documents broken down by year, with the option of excluding self-citations. It returns citation metadata, including counts and citation summaries. Use the [Abstract Citation Count API](#) to get total citation counts.

See page 16 for an example of a request.

7.1. Interfaces and views

A single interface is used to submit requests to the Citation Overview API:

URL	Method	Description
https://api.elsevier.com/content/abstract/citation	GET	Returns citation metadata, including counts and citation summaries.

A textual metadata response is returned in the default STANDARD view:

Parent field	Fields included	STANDARD
identifier	dc:identifier	•
	prism:doi	•
	pii	•
	scopus_id	•
	h-index	•
The following fields are returned from the citeInfo entry of each document		
	dc:identifier	•
	prism:url	•
	dc:title	•
author	initials	•
	index-name	•
	surname	•
	authid	•
	author-url	•
	sort-year	•
	prism:publicationName	•
	prism:volume	•



Parent field	Fields included	STANDARD
	prism:issueIdentifier	•
	prism:startingPage	•
	prism:endingPage	•
	prism:issn	•
	citationType	•
	pcc	•
	cc	•
	lcc	•
	rangeCount	•
	rowTotal	•
The following fields are returned from the <code>citeCountHeader</code> summary		
	prevColumnHeader	•
	columnHeading	•
	laterColumnHeading	•
	prevColumnTotal	•
	columnTotal	•
	laterColumnTotal	•
	rangeColumnTotal	•
	grandTotal	•

7.2. API-specific query parameter options

Query parameter	Options	Description
httpAccess	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XLM output; allows multiple records
	text/xml	Sets mime type to XLM as text; allows multiple records
sort	sort-year	Sort results in response by year
	rowTotal	Sort results in response by the sum of the pcc, lcc, and rangeCount fields



8. Serial Title API

This API allows searching through serial titles in the Scopus content and returning the metadata or cover image for a serial title identified by ISSN.

See page 17 for an example of a request.

8.1. Interfaces and views

The Serial Title API provides two interfaces:

URL	Method	Description
https://api.elsevier.com/content/serial/title	GET	To perform a search against the serial titles.
https://api.elsevier.com/content/serial/title/issn/{issn}	GET	Returns the metadata or cover image of a single serial title identified by ISSN.

A textual metadata response is returned in one of three views based on access and entitlements: BASIC, STANDARD, or ENHANCED. The default view is STANDARD.

Parent field	Fields included	BASIC	STANDARD	ENHANCED
	openaccess	•	•	•
	openaccessArticle	•	•	•
	openArchiveArticle	•	•	•
	openaccessType	•	•	•
	openaccessStartDate	•	•	•
	openaccessSponsorType	•	•	•
	openaccessSponsorName	•	•	•
	openaccessUserLicense	•	•	•
	oaAllowsAuthorPaid	•	•	•
	prism:url	•	•	•
	dc:title	•	•	•
	prism:issn	•	•	•
	prism:elssn	•	•	•
	dc:publisher	•	•	•
	message	•		
	link ref=scopus-source	•	•	•
	link ref=homepage	•	•	•



Parent field	Fields included	BASIC	STANDARD	ENHANCED
	prism:aggregationType		•	•
	subject-area		•	•
SJRList	SJR		•	•
SNIPList	SNIP		•	•
citeScoreYearInfoList	citeScoreCurrentMetric		•	•
	citeScoreCurrentMetricYear		•	•
	citeScoreTracker		•	•
	citeScoreTrackerYear		•	•
	citeScoreYearInfo		•	•
	link ref=coverimage		•	•
yearly-data/info	publicationCount			•
	citeCountSCE			•
	zeroCitesSCE			•
	zeroCitesPercentSCE			•
	revPercent			•

8.2. API-specific query parameter options

Query parameter	Options	Description
httpAccess	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XLM output; allows multiple records
	text/xml	Sets mime type to XLM as text; allows multiple records
	Image/gif	Sets mime type to image; only for interface to request a single serial title identified by ISSN.



9. Subject Classifications API

Depending on the interface used, the Subject Classifications API retrieves the subject classifications associated with content in either ScienceDirect or Scopus. The response is returned as either JSON or XML. Each entry is returned in full with the fields `code`, `abbrev`, `detail`, and `description`. The query parameter `field` allows defining which fields should be included in a response.

See page 19 for an example of a request.

9.1. Interfaces

Two interfaces are used to submit requests to the Subject Classifications API:

URL	Method	Description
https://api.elsevier.com/content/subject/scidir	GET	Returns subject classifications of ScienceDirect content.
https://api.elsevier.com/content/subject/scopus	GET	Returns subject classifications of Scopus content.

9.2. API-specific query parameter options

Query parameter	Options	Description
httpAccess	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XML output; allows multiple records
	text/xml	Sets mime type to XML as text; allows multiple records



10. Affiliation Retrieval API

Use the Affiliation Retrieval API to request one or more Scopus affiliation profiles using unique Affiliation Identifiers or Electronic Identifiers. Each entry may include links to Scopus Search and to author profiles. Affiliation profiles are indexed and can be searched using the [Affiliation Search API](#).

See page 21 for an example of a request.

10.1. Interfaces and views

Use the interface for the relevant identifier to submit requests to the Affiliation Retrieval API:

URL	Method	Description
https://api.elsevier.com/content/affiliation/affiliation_id/{affiliation_id}	GET	Returns a Scopus affiliation profile based on an Affiliation Identifier.
https://api.elsevier.com/content/affiliation/eid/{eid}	GET	Returns a Scopus affiliation profile based on an Electronic Identifier.

A textual metadata response is returned in one of five views based on access and entitlements: BASIC, LIGHT, STANDARD, DOCUMENTS, or AUTHORS. The default view is LIGHT.

Parent field	Fields included	BASIC	LIGHT	STANDARD	DOCUMENTS	AUTHORS
	link ref=scopus-affiliation	•	•	•		
	link ref=self	•	•	•		
	prism:url	•	•	•		
	dc:identifier	•	•	•		
	eid	•	•	•		
	link ref=search		•	•		
	affiliation-name		•	•		
	name-variant		•	•		
	address		•	•		
	city		•	•		
	country		•	•		



Parent field	Fields included	BASIC	LIGHT	STANDARD	DOCUMENTS	AUTHORS
	author-count		•	•		•
	document-count		•	•		•
	institution-profile			•		•
In the DOCUMENTS view, abstracts returned with an affiliation profile include the following fields:						
	prism:url				•	
	dc:title				•	
	prism:aggregationType				•	
	prism:publicationName				•	
	prism:issn				•	
	prism:volume				•	
	prism:issueIdentifier				•	
	prism:pageRange				•	
	prism:coverDate				•	
	prism:coverDisplayDate				•	
	dc:identifier				•	
	eid				•	
	prism:doi				•	
	dc:creator				•	
affiliation	affilname				•	
affiliation	afid				•	
	affiliation-url				•	
author	authseq				•	
	author-url				•	
	authid				•	
	authname				•	
	orcid				•	
	given-name				•	
	surname				•	
	initials				•	
	afid				•	
	link ref=self				•	
	link ref=scopus				•	
	link ref=scopus-citedby				•	
In the AUTHORS view, each author returned with an affiliation profile includes the following fields:						
	dc:identifier					•
	eid					•



Parent field	Fields included	BASIC	LIGHT	STANDARD	DOCUMENTS	AUTHORS
preferred-name	surname					•
	given-name					•
	initials					•
	name-variant					•
affiliation-current	affiliation-name					•
	affiliation-city					•
	affiliation-country					•
	affiliation-url					•
	affiliation-id					•
affiliation-history	affiliation-name					•
	affiliation-url					•
	affiliation-id					•

10.2. API-specific query parameter options

Query parameter	Options	Description
httpAccess	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XLM output; allows multiple records
	application/rdf+xml	Sets mime type to RDF/XLM output; allows multiple records
	text/xml	Sets mime type to XLM as text; allows multiple records

Note that the query parameter `field` is not available for requests in the DOCUMENTS and AUTHORS views.



11. Author Retrieval API

Use the Author Retrieval API to request one or more Scopus author profiles using unique identifiers. Each entry may include links to Scopus Search and to affiliation profiles. Author profiles are indexed and can be searched using the [Author Search API](#).

See page 20 for an example of a request.

11.1. Interfaces and views

Use the interface for the relevant identifier to submit requests to the Author Retrieval API:

URL	Method	Description
https://api.elsevier.com/content/author	GET	Returns a Scopus author profile based on an Author or Electronic Identifier.
https://api.elsevier.com/content/author/author_id/{author_id}	GET	Returns a Scopus author profile based on an Author Identifier.
https://api.elsevier.com/content/author/eid/{eid}	GET	Returns a Scopus author profile based on an Electronic Identifier.
https://api.elsevier.com/content/author/orcid/{orcid}	GET	Returns a Scopus author profile based on an Open Researcher and Contributor ID (ORCID).

A textual metadata response is returned in one of five views based on access and entitlements: BASIC, METRICS, LIGHT, STANDARD, ENHANCED, or DOCUMENTS. The default view is LIGHT. The DOCUMENTS view is not available in the non-specific author interface.

Parent field	Fields included	BASIC	METRICS	LIGHT	STANDARD	ENHANCED	DOCUMENTS
	dc:identifier	•	•	•	•	•	•
	eid	•		•	•	•	•
	orcid	•		•	•	•	•
	link ref=scopus-author	•		•	•	•	•
	link ref=self	•		•	•	•	•
	prism:url	•	•	•	•	•	•



Parent field	Fields included	BASIC	METRICS	LIGHT	STANDARD	ENHANCED	DOCUMENTS
	link ref=search			•	•	•	•
	document-count		•	•	•	•	•
	cited-by-count		•	•	•	•	•
	citations-count		•	•	•	•	•
preferred-name	surname			•	•	•	•
	given-name			•	•	•	•
	initials			•	•	•	•
name-variants	name-variant			•	•	•	•
affiliation-current	affiliation-name			•	•	•	•
	affiliation-city			•	•	•	•
	affiliation-country			•	•	•	•
	affiliation-url				•	•	•
	affiliation-id				•	•	•
affiliation-history	affiliation-name				•	•	•
	affiliation-url				•	•	•
	affiliation-id				•	•	•
	author-profile				•	•	•
	h-index		•			•	•
	coauthor-count		•			•	•
In the DOCUMENTS view, abstracts returned with an author profile include the following fields:							
	dc:title						•
	prism:aggregationType						•
	prism:publicationName						•
	prism:issn						•
	prism:volume						•
	prism:issueIdentifier						•
	prism:pageRange						•
	prism:coverDate						•
	prism:coverDisplayDate						•
	dc:identifier						•
	eid						•
	prism:doi						•
	dc:creator						•
affiliation	affilname						•
affiliation	afid						•



Parent field	Fields included	BASIC	METRICS	LIGHT	STANDARD	ENHANCED	DOCUMENTS
	affiliation-url						•
author	authseq						•
	author-url						•
	authid						•
	authname						•
	orcid						•
	given-name						•
	surname						•
	initials						•
	afid						•
	prism:url						•
	link ref=self						•
	link ref=scopus						•
	link ref=scopus-citedby						•

11.2. API-specific query parameter options

Submit the criteria for your search using the `query` query parameter.

Query parameter	Options	Description
httpAccess	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XLM output; allows multiple records
	application/rdf+xml	Sets mime type to RDF/XLM output; allows multiple records
	text/xml	Sets mime type to XLM as text; allows multiple records

Note that the query parameter `field` is not available for requests in the DOCUMENTS view.



12. PlumX Metrics API

All active Scopus subscriptions include access to the PlumX Metrics API for the retrieval of PlumX metrics of Scopus documents and related artifacts. PlumX metrics include social media mentions and other sources that go beyond conventional citation data.

See page 24 for an example of a request.

12.1. Interfaces

Submit requests to the PlumX Metrics API via the following interface:

URL	Method	Description
<code>https://api.elsevier.com/analytics/plumx/{idType}/{idValue}</code>	GET	Returns aggregate PlumX metrics counts for documents specified via an identifier.

12.2. API-specific template and query parameter options

Unlike the other Scopus APIs, the PlumX Metrics API uses two template parameters in a request to (a) indicate the identifier type to be used, and (b) provide the identifier value for the document of interest.

Template parameter	Options	Description
idType	doi	Use the Digital Object Identifier of a document
	elsevierId	Use the unique Elsevier Identifier of a document
	elsevierPii	Use the Publication Item Identifier of a document
	isbn	Use an International Standard Book Number
	pmcid	Use the PubMed Central Identifier of a document
	pmid	Use the MEDLINE PubMed Identifier of a document
idValue		Enter the unique identifier of the document of interest
httpAccept	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XML output; allows multiple records
	application/rdf+xml	Sets mime type to RDF/XML output; allows multiple records



13. Affiliation Search API

This API allows searching the full Scopus body of affiliation profiles. Each search result will, by definition, include a link to an affiliation profile.

See page 22 for an example of a request.

13.1. Interfaces and views

A single interface is used to submit requests to the Affiliation Search API:

URL	Method	Description
https://api.elsevier.com/content/search/affiliation	GET	Conducts a search of Scopus affiliation profiles.

A textual metadata response is returned in the default STANDARD view:

Fields included	STANDARD
link ref=self	•
link ref=scopus-affiliation	•
link ref=search	•
prism:url	•
dc:identifier	•
eid	•
parent-affiliation-id	•
affiliation-name	•
name-variant	•
city	•
country	•
document-count	•



13.2. API-specific query parameter options



Submit your search criteria using the `query` query parameter. Visit the following link for search tips:
[Scopus Affiliation Search Guide](#)

Query parameter	Options	Description
httpAccess	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XLM output; allows multiple records
	Application/atom+xml	Sets mime type to ATOM/XLM output; allows multiple records
facet	affilcity	Enables faceted navigation according to city of affiliation
	affilcountry	Enables faceted navigation according to country of affiliation
sort	affiliation-name	Sort by name of affiliation
	city	Sort by city of affiliation
	country	Sort by country of affiliation
	document-count	Sort by number of documents connected to affiliation
	eid	Sort by Electronic Identifier
	identifier	Soft by Affiliation Identifier
	parent-affiliation-id	Soft by Identifier of parent affiliation



14. Author Search API

This API allows searching the full Scopus body of author profiles. Each search result will, by definition, include a link to an author profile and may also include links to the author's current affiliation profile.

See page 23 for an example of a request.

14.1. Interfaces and views

A single interface is used to submit requests to the Author Search API:

URL	Method	Description
https://api.elsevier.com/content/search/author	GET	Conducts a search of Scopus author profiles.

A textual metadata response is returned in the default STANDARD view:

Parent field	Fields included	STANDARD
	link ref=self	•
	link ref=scopus-author	•
	link ref=scopus-citedby	•
	link ref=search	•
	prism:url	•
	dc:identifier	•
	eid	•
	orcid	•
	document-count	•
	subject-area	•
preferred-name	surname	•
	given-name	•
	initials	•
	name-variant	•
affiliation-current	affiliation-name	•
	affiliation-city	•
	affiliation-country	•
	affiliation-id	•
	affiliation-url	•



14.2. API-specific query parameter options



Submit your search criteria using the `query` query parameter. Visit the following link for search tips:
[Scopus Author Search Guide](#)

Query parameter	Options	Description
httpAccess	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XLM output; allows multiple records
	Application/atom+xml	Sets mime type to ATOM/XLM output; allows multiple records
facet	affilcity	Enables faceted navigation according to city of affiliation
	srctitle	Enables faceted navigation by source title
	af-id	Enables faceted navigation based on affiliation identifier
	affilcountry	Enables faceted navigation according to country of affiliation
	auth-subclus	Enables faceted navigation based on subject area
	active	Enables faceted navigation based on status of author profile
sort	affiliation-name	Sort by name of affiliation
	affiliation-city	Sort by city of affiliation
	affiliation-country	Sort by country of affiliation
	document-count	Sort by number of documents connected to author profile
	eid	Sort by Electronic Identifier
	given-name	Soft by author name
	initials	Soft by author initials
	surname	Sort by author surname
	preffirstsort	Sort by author preferred first name and initials
	affilsortname	Sort by author's current associated affiliation. The name used to sort may be a rearranged or slightly modified version of the institution's name (e.g., an English translation of the name)



15. Scopus Search API

This API allows searching the full Scopus body of abstracts. Each search result will, by definition, include a link to a Scopus abstract and may also include links to a full-text article.

See page 22 for an example of a request.

15.1. Interfaces and views

A single interface is used to submit requests to the Scopus Search API:

URL	Method	Description
https://api.elsevier.com/content/search/scopus	GET	Conducts a search of Scopus abstracts

A textual metadata response is returned in one of two views: STANDARD or COMPLETE. The default is the STANDARD view.

Parent field	Fields included	STANDARD	COMPLETE
	link ref=self	•	•
	link ref=scopus	•	•
	link ref=scopus-citedby	•	•
	prism:url	•	•
	dc:identifier	•	•
	eid	•	•
	dc:title	•	•
	prism:aggregationType	•	•
	subtype	•	•
	subtypeDescription	•	•
	citedby-count	•	•
	prism:publicationName	•	•
	prism:isbn	•	•
	prism:issn	•	•
	prism:volume	•	•
	prism:issueIdentifier	•	•
	prism:pageRange	•	•
	prism:coverDate	•	•
	prism:coverDisplayDate	•	•



Parent field	Fields included	STANDARD	COMPLETE
	prism:doi	•	•
	pii	•	•
	pubmed-id	•	•
	orcid	•	•
	dc:creator	•	•
openaccess	openaccessFlag	•	•
affiliation	affilname	•	•
	affiliation-city	•	•
	affiliation-country	•	•
	afid		•
	affiliation-url		•
	name-variant		•
author	author-url		•
	authid		•
	orcid		•
	authname		•
	given-name		•
	surname		•
	initials		•
	afid		•
	dc:description		•
	authkeywords		•
	article-number		•
	fund-acr		•
	fund-no		•
	fund-sponsor		•



15.2. API-specific query parameter options



Submit your search criteria using the `query` query parameter. Visit the following link for search tips:
[Scopus Search Guide](#)

Query parameter	Options	Description
httpAccess	application/json	Sets mime type to JSON output; allows multiple records
	application/xml	Sets mime type to XLM output; allows multiple records
	Application/atom+xml	Sets mime type to ATOM/XLM output; allows multiple records
facet	aucite	Enables faceted navigation by author citation
	au-id	Enables faceted navigation by Author Identifier
	af-id	Enables faceted navigation based on Affiliation Identifier
	authname	Enables faceted navigation based on Author Identifier and name
	country	Enables faceted navigation based on affiliation country
	exactsrctitle	Enables faceted navigation based on source title
	fund-sponsor	Enables faceted navigation based on funding sponsor
	language	Enables faceted navigation based on language
	openaccess	Enables faceted navigation based on open access status
	pubyear	Enables faceted navigation based on publication year
	restype	Enables faceted navigation based on internal collection
	subjarea	Enables faceted navigation based on subject area
	srctype	Enables faceted navigation based on content category
sort	artnum	Sort by article number
	citedby-count	Sort by cited-by count
	coverDate	Sort by source cover date
	creator	Sort by first author
	orig-load-date	Sort by date of first accession into Scopus
	pagecount	Sort by page count
	pagefirst	Sort by number of first page
	pageRange	Sort by page range
	publicationName	Sort by name of publication
	pubyear	Sort by year of publication
	relevancy	Sort by relevance ranking
	volume	Sort by volume of source



16. Description of query parameters

	Abstract Retrieval	Citation Count	Citation Overview	Serial Title	Subject	Affiliation Retrieval	Author Retrieval	PlumX Metrics	Affiliation Search	Author Search	Scopus Search	Brief description
abbrev					•							Allows filtering response records based upon any string provided in the <code>abbrev</code> attribute. Case-sensitive match of entire field.
access_token	•	•	•	•		•	•	•	•	•	•	Contains the OAuth bearer access token, where the token represents the end-user session key and implies the request will be executed against user-based entitlements. Overrides the HTTP header <code>Authorization</code> .
alias							•			•	•	Enter "false" to override the default behavior of returning superseded author profiles. Enter "true" or leave empty to prioritize superseded author profiles.
apiKey	•	•	•	•		•	•	•	•	•	•	Contains a unique application developer key to access the resource. Overrides the http header <code>X-ELS-APIKey</code> .
author_id			•				•					Pass one or more comma-delimited unique identifiers corresponding to Scopus author profiles. Allows excluding citations for one or more specified authors in responses from the Citation Overview API.
citation			•									Allows excluding citation types; e.g., <code>citation=exclude-self</code> ; <code>citation=exclude-books</code>
co-author										•		Pass an Identifier to return a list of all associated co-authors. An alternative to the corresponding query criterion.
code					•							Allows filtering response records based upon any string provided in the <code>code</code> attribute. Case-sensitive match of entire field.
content				•							•	Indicate one or more source types to be returned in a response. Options for the Serial Title API include "tradejournal", "journal", "conferenceproceeding", "bookseries". Options for the Scopus Search API include "all", "core", and "dummy".
count			•	•					•	•	•	Pass the maximum number of records to be returned. If not provided, set to default based on service level.



	Abstract Retrieval	Citation Count	Citation Overview	Serial Title	Subject	Affiliation Retrieval	Author Retrieval	PlumX Metrics	Affiliation Search	Author Search	Scopus Search	Brief description
cursor												<ul style="list-style-type: none"> To execute deep pagination searching. <code>start</code> is limited to a predefined maximum number of results. Using <code>cursor</code> instead, allows iterating forward sequentially to the end of a result set. Initially accessed by sending a "*" in the first search request. Subsequent requests submit the 'cursor/@next' value from each corresponding response as the 'cursor' value. The 'cursor/@next' value must be URL encoded by the client application. The navigation links ('next') can also be used to navigate to each succeeding search result entry and are URL-encoded by default.
date			•	•								<ul style="list-style-type: none"> Pass a date range for records to be included in the response. Lowest granularity is year. E.g., date=2005-2007
description					•							Allows filtering response records based upon any word provided in the primary subject classification description. Case-sensitive match of any portion of the field.
detail					•							Allows filtering response records based upon any string provided in the <code>detail</code> attribute. Case-sensitive match of any portion of the field.
doi		•	•									Pass the Digital Object Identifier (DOI) of the document of interest. A comma-delimited list of values can be used for textual responses. Only one type of identifier can be used in a request.
eid							•					Pass one or more comma-delimited unique Electronic IDs corresponding to Scopus author profiles.
facets									•	•	•	Define one or more semicolon-delimited facets to be included in a response. The dimensions of the facet are entered within parentheses. See page 13 for details.
field	•		•	•	•	•	•		•	•	•	Indicate a comma-delimited list of specific fields to include in the response. Available fields depends on accessible or selected view. Overrides the <code>view</code> parameter.
httpaccess	•	•	•	•	•	•	•	•	•	•	•	Indicates the format of the response to be generated. Overrides the HTTP <code>Accept</code> . Depending on the API used, options are: image/jpeg, image/gif, application/json, application/xml, text/xml, text/html
instoken	•			•		•	•	•	•	•	•	Contains an institution token, which in combination with its associated API Key grants access to the resource. Overrides the HTTP header <code>X-ELS-Insttoken</code> .
issn				•								Pass the international standard serial numbers (ISSN) of one or more serial titles of interest.
oa				•								Allows filtering records in a response according to Open Access (OA) status. Options include "all" for all source titles, regardless of OA status; "full" to include only sources defined as full OA; "partial" to include only sources defined as partial OA; "none" to include no sources defined as OA (full or partial).



	Abstract Retrieval	Citation Count	Citation Overview	Serial Title	Subject	Affiliation Retrieval	Author Retrieval	PlumX Metrics	Affiliation Search	Author Search	Scopus Search	Brief description
parentCode					•							Allows filtering response records based upon any string provided in the <code>parentCode</code> attribute. Case-sensitive match of entire field.
pii		•	•									Pass the Publication Item Identifier (PII) of the document of interest. A comma-delimited list of values can be used for textual responses. Only one type of identifier can be used in a request.
pub				•								Pass a partial or complete publisher name. The API will match a string provided anywhere within the publisher name. Does not accept wildcards.
pubmed_id		•	•									Pass the MEDLINE PubMed Identifier (PMID) of the document of interest. A comma-delimited list of values can be used for textual responses. Only one type of identifier can be used in a request.
query									•	•	•	Pass one or more search criteria. Accepts Boolean operators, proximity operators, wildcards (e.g., *, ?), field codes and subheadings. A required parameter.
refcount	•					•	•					Pass the maximum number of records to be included in a response. If not provided, set to a default based on service level.
reqId	•	•	•	•		•	•	•	•	•	•	Contains a client-defined request identifier which is logged in all trace messages of the service. Can be used to track a specific transaction. Overrides the HTTP header <code>X-ELS-ReqId</code> .
scopus_id		•	•									Pass the Scopus Identifier of the document of interest. A comma-delimited list of values can be used for textual responses. Only one type of identifier can be used in a request.
sort			•						•	•	•	Pass the field name by which results are sorted. Precede with "+" for ascending or "-" for descending. Default is ascending. The Citation Overview API accepts only one field for sorting. In the Search APIs, up to three comma-delimited fields can be specified, their listed order defining the precedence. E.g., <code>sort=+sortname,-certscore</code>
start			•	•					•	•	•	Pass the record number from which to start downloading records retrieved by a request. Note that numbering starts at 0, which is also the default if not specified.
startref	•					•	•					Pass the numeric value of the starting position for records in a response (e.g., <code>startref=5</code>). Note that numbering starts at 0, which is also the default if not specified.
subj				•							•	Pass a Scopus subject area abbreviation associated with the content category desired (e.g., ARTS – Arts and Humanities, ENER – Energy). Note that subject mapping varies based on the environment in which the request is executed. All Scopus subject classifications can be found here: Subject classifications



	Abstract Retrieval	Citation Count	Citation Overview	Serial Title	Subject	Affiliation Retrieval	Author Retrieval	PlumX Metrics	Affiliation Search	Author Search	Scopus Search	Brief description
subjCode				•								Pass one or more Scopus subject area codes associated with the content category desired. All Scopus subject classifications and subject area codes can be found here: Subject classifications
suppressNavLinks									•	•	•	Enter “true” to suppress the inclusion of top-level navigation links in the response. The default is “false”.
title				•								Pass a partial or complete serial title. The API will match a string provided anywhere within the title name. Does not accept wildcards.
ver	•	•	•	•		•	•		•	•	•	Pass the version of the resource that should be received. Overrides the HTTP header <code>X-ELS-ResourceVersion</code> . In the case of Search APIs, options include: “subjexpand” to add detail to the subject-area field by detailing each entry as a subject (available only in the Author Search API) ; “facetexpand” to add new fields under each facet returned (where applicable); “allexpand” executes both facetexpand and subjexpand (where applicable); “new” to return the most recent and prototyped features.
view	•		•	•		•	•		•	•	•	Indicate the view to be used for the response. See each API for a description of corresponding views.



17. Description of elements associated with Abstracts included in a response

	Element		Description
	prism:url		URI to content from the Abstract Retrieval API
1	identifier		
	dc:identifier	1	Scopus Document Identifier
	prism:doi	1	Digital Objective Identifier
	pii	1	Publication Item Identifier
	Scopus_id	1	Scopus ID
	pubmed_id	1	MEDLINE PubMed Identifier
	eid	1	Electronic Identifier
	dc:title		Title of document
	prism:aggregationType		Publication type of the source of the document
	subtype		Code for the type of document (e.g., "ar" for article)
	subtypeDescription		Description of the type of document
	openaccess		Indicates the open access status of a document (e.g., "0" for not open, "1" for gold, "2" for green)
	openaccessFlag		A legacy field set to "false" when a document is not open access (<code>openaccess</code> set to "0"), "true" when a document has gold access (<code>openaccess</code> set to "1"), and left empty for other open access status types
	citedby-count		Number of citations of the document
	citation-count		Number of citations in the document
	prism-publicationName		Name of the publication containing the document
	prism:isbn		International Standard Book Number of the publication containing the document
	prism:issn		International Standard Serial Number of the publication containing the document



	Element		Description
	prism:volume		Volume of the publication containing the document
	prism:issueIdentifier		Issue of the publication containing the document
	prism:pageRange		Contains the start and end page of a document (e.g., 17-43)
	prism:coverDate		Date of publication (YYY-MM-DD)
	prism:coverDisplayDate		Publication date of original text
	article-number		Article number of the document
	Authkeywords		Author keywords
	fund-acr		Acronym of funding agency
	fund-no		Identifier of funding agency
	fund-sponsor		Name of funding agency
2	dc:creator		First author on the document
	auid	2	Scopus Author Identifier for the first author
	author-url	2	URI to content from Author Retrieval API for the author
3	affiliation		
	affiliation-name	3	Name of affiliation of the first author
	affiliation-city	3	City of affiliation of first author
	affiliation-country	3	Country of affiliation of first author
	afid	3	Affiliation Identifier
	affiliation-url	3	URI to content from the Affiliation Retrieval API
	name-variant	3	Alternate affiliation names
4	authors		Information on the other authors of the document
5	author	4	Bucket for each of the other authors
	authname	5	Concatenated fields <code>surname</code> and <code>initials</code> (e.g., Nowak K.J.)



	Element		Description
	given-name	5	First name of author
	surname	5	Last name of author
	Initials	5	Initials of author
	authid	5	Author Identifier
	auid	5	Author Identifier
	author-url	5	URI to content from Author Retrieval API for the author
	affiliation	5	Name of affiliation of the author
	afid	5	Affiliation Identifier
	affiliation-url	5	URI to content from the Affiliation Retrieval API
	orcid	5	Open Researcher and Contributor Identifier
	dc:description		Abstract text
	intid		Institution ID
6	subject-areas		
	subject-area	6	Each subject area relevant to the document
	code	6	Code for each subject area relevant to the document
	abbrev	6	Abbreviation for each subject area relevant to the document
	item		Includes the original text of the abstract, including: <ul style="list-style-type: none">• Code for the language of the original document using the label /abstract-retrieval-response/item/bibrecord/head/citation-info/citation-language/@xml:lang• Author keywords using /abstract-retrieval-response/item/bibrecord/head/citation-info/author-keywords/author-keyword• Index keywords (not available by default) using /abstract-retrieval-response/item/bibrecord/head/enhancement/descriptorgroup/descriptors/descriptor/mainterm
	link ref=self		URI to content from the Abstract Retrieval API



	Element		Description
	link ref=scopus		URL to the details of a Scopus Abstract; does not require md5 encryption
	link ref=scopus-citedby		URL to document cited-by content in Scopus
	h-index		The h-index of the documents returned
	citeinfo		Information about a citing document
	dc:identifier		Scopus Document Identifier of the citing document
	prism:url		URI to content from the Abstract Retrieval API about the citing document
	Dc:title		Title of the citing document
7	author		Information for each author on a citing document
	initials	7	Author's initials
	index-name	7	Author's name
	surname	7	Author's surname
	authid	7	Author Identifier
	author-url	7	URI to content from Author Retrieval API for the author
	sort-year		Year for sorting documents
	prism:publicationName		Name of the publication containing the document (e.g., journal, book, etc)
	prism:volume		Volume of the publication
	prism:issueIdentifier		Number of the issue containing the document
	prism:startingPage		Starting page of the document
	prism:endingPage		Ending page of the document
	prism:issn		International Standard Serial Number of the publication
	citationType		Type of citation (e.g., article)
	pcc		Previous column count
	cc		Column count



Element	Description
lcc	Later column count
rangeCount	Sum of all cc fields
citeCountHeader	
rowTotal	Sum of pcc, lcc, rangeCount fields
prevColumnHeader	Column Heading for citation counts before the passed in range
columnHeading	Column Heading (ie., 2013)
laterColumnHeading	Column Heading for citation counts after the passed in range
prevColumnTotal	Column Total for citation counts before the passed in range
columnTotal	Column Total
laterColumnTotal	Column Heading for citation counts after the passed in range
rangeColumnTotal	Sum of all columnTotal fields
grandTotal	Sum of prevColumnTotal, laterColumnTotal, and rangeColumnTotal
Serial Title	
openaccess	Open Access status (1/0)
openaccessArticle	Open Access status (true/false)
openArchiveArticle	Open Archive status (true/false)
openaccessType	Open Access status (Full/Partial)
openaccessStartDate	Date when open access became available
openaccessSponsorName	Open Access metadata
openaccessSponsorType	Open Access metadata
openaccessUserLicense	Open Access metadata
oaAllowsAuthorPaid	Open Access metadata
prism:url	URL w/ ISSN



	Element		Description
	dc:title		Title of the search result
	prism:issn		ISSN
	prism:elssn		Electronic ISSN
	dc:publisher		Publisher
	message		A message that says that a full list of Scopus titles can be found on info.scopus.sciverse.com
	link ref=scopus-source		URL of the Scopus source page (format http://www.scopus.com/source/sourceInfo.url?sourceId=[SOURCEID])
	link ref=homepage		Third-party journal homepage URL (i.e., the URL of the journal homepage button that Scopus points to from OHUB)
	prism:aggregationType		Serial type
	subject-area		Subject area (Scopus classification), using label, and on the same level of granularity as the subject classification on the Scopus source page
8	citeScoreYearInfoList		Cite Score information
	citeScoreCurrentMetric	8	Indicates the calculation/value for the latest complete year. Four years in total.
	citeScoreCurrentMetricYear	8	Indicates the year of the citation score in the field <code>citeScoreCurrentMetric</code> ; i.e., the latest complete year. Four years in total.
	citeScoreTracker	8	Indicates the calculation/value for the in-progress year and is subject to change every month throughout the year. Four years in total. For example, <code>citeScoreTracker 2023</code> updates every month until it reaches its annual value in May 2024. That value then becomes the annual citation score value for 2023 provided in field <code>siteScoreCurrentMetric</code> , and a new <code>citeScoreTracker</code> begins for 2024.
	citeScoreTrackerYear	8	Indicates the year of the citation score in the field <code>citeScoreTracker</code> ; i.e., the latest in-progress year. Four years in total.
	citeScoreYearInfo	8	Note that the list of <code>citeScoreYearInfo</code> details only appear when retrieving individual sources (i.e. ,by issn, isbn, or source id) and will not appear for general searches that return multiple entries
	link ref=coverimage		URL of cover image (format http://api.elsevier.com/content/serial/issn:[ISSN]?view=coverimage)
9	yearly-data/info		Historical data
	publicationCount	9	Number of documents by year



	Element		Description
	citeCountSCE	9	Number of cited documents
	zeroCitesSCE	9	Percentage of not-cited documents
	revPercent	9	Percentage of review article documents
10	SJRList		
	SJR	10	Scientific Journal Ranking
11	SNIPList		
	SNIP	11	Source Normalized Impact per Paper



18. Description of elements associated with Author included in a response

	Element		Description
	dc:identifier		Scopus Author Identifier
	eid		Electronic Identifier
	orchid		Open Researcher and Contributor Identifier
	link ref=scopus-author		URL to the details page of a Scopus author profile; not enabled for preview
	link ref=scopus-citedby		URL to Author cited-by content in Scopus
	link ref=self		URI to content from the Author Retrieval API
	prism:url		URI to content from the Author Retrieval API
	link ref=search		URL to content on the abstracts associated with the author retrieved with the Socpus Search API (i.e., a Scopus document search by Author ID). Request URL: http://api.elsevier.com/content/search/scopus?query=authid({authid})
	document-count		Number of documents authored
	cited-by-count		Number of citing documents
	citations-count		Number of citations
	subject-area		Subject areas associated with author (maximum of three)
1	preferred-name		
	surname	1	Preferred author last name
	given-name	1	Preferred author first name
	initials	1	Author initials
2	name-variants		
	name-variant	2	Variants of the author's name (may be restricted to a maximum of three In some APIs)
3	affiliation-current		



	Element		Description
	affiliation-name	3	Name of current affiliation
	affiliation-city	3	City of current affiliation
	affiliation-country	3	Country of current affiliation
	affiliation-url	3	URI to content from the Affiliation Retrieval API
	affiliation-id	3	Affiliation Identifier for current affiliation
4	affiliation-history		
	affiliation-name	4	Name of historical affiliation
	affiliation-url	4	URI to content from Affiliation Retrieval API for historical affiliation
	affiliation-id	4	Identifier of historical affiliation
	author-profile		Original text of Author Profile
	h-index		h-index of the author
	coauthor-count		Number of co-authors associated with the author



19. Description of elements associated with **Affiliation** included in a response

Element	Description
link ref=scopus-affiliation	URL to the Scopus affiliation profile; not enabled for preview
link ref=self	URI to content from the Affiliation Retrieval API
prism:url	URI to content from the Affiliation Retrieval API
dc:identifier	Affiliation Identifier
eid	Electronic Identifier
link ref=search	URL to content on the abstracts associated with the affiliation retrieved with the Scopus Search API (i.e., a Scopus document search by Affiliation ID). Request URL: http://api.elsevier.com/content/search/scopus?query=afid({afid})
affiliation-name	Name of affiliation
name-variant	Variants of the affiliation name
address	Street address of affiliation
city	City of affiliation
country	Country of affiliation
author-count	Number of authors associated with affiliation
document-count	Number of documents associated with affiliation
institution-profile	Original text of affiliation profile
Parent-affiliation-id	Affiliation Identifier of parent affiliation