

Google Scholar API

API uptime 99.962%

Our Google Scholar API allows you to scrape SERP results from a Google Scholar search query. The API is accessed through the following endpoint: `/search?engine=google_scholar`.

A user may query the following: `https://serpapi.com/search?engine=google_scholar` utilizing a `GET` request. Head to the [playground](#) for a live and interactive demo.

API Parameters

Search Query

`q`

Required

Parameter defines the query you want to search. You can also use helpers in your query such as: `author:`, or `source:`.

Usage of `cites` parameter makes `q` optional. Usage of `cites` together with `q` triggers search within citing articles.

Usage of `cluster` together with `q` and `cites` parameters is prohibited. Use `cluster` parameter only.

Advanced Google Scholar Parameters

`cites`

Optional

Parameter defines unique ID for an article to trigger Cited By searches. Usage of `cites` will bring up a list of citing documents in Google Scholar. Example value: `cites=1275980731835430123`. Usage of `cites` and `q` parameters triggers search within citing articles.

`as_ylo`

Optional

Parameter defines the year from which you want the results to be included. (e.g. if you set `as_ylo` parameter to the year `2018`, the results before that year will be omitted.). This parameter can be combined with the `as_yhi` parameter.

you set `as_yml` parameter to the year `2018`, the results after that year will be omitted.). This parameter can be combined with the `as_ylo` parameter.

`scisbd`

Optional

Parameter defines articles added in the last year, sorted by date. It can be set to `1` to include only abstracts, or `2` to include everything. The default value is `0` which means that the articles are sorted by relevance.

`cluster`

Optional

Parameter defines unique ID for an article to trigger All Versions searches. Example value: `cluster=1275980731835430123`. Usage of `cluster` together with `q` and `cites` parameters is prohibited. Use `cluster` parameter only.

Localization

`hl`

Optional

Parameter defines the language to use for the Google Scholar search. It's a two-letter language code. (e.g., `en` for English, `es` for Spanish, or `fr` for French). Head to the [Google languages page](#) for a full list of supported Google languages.

`lr`

Optional

Parameter defines one or multiple languages to limit the search to. It uses `lang_{two-letter language code}` to specify languages and `|` as a delimiter. (e.g., `lang_fr|lang_de` will only search French and German pages). Head to the [Google lr languages](#) for a full list of supported languages.

Pagination

`start`

Optional

Parameter defines the result offset. It skips the given number of results. It's used for pagination. (e.g., `0` (default) is the first page of results, `10` is the 2nd page of results, `20` is the 3rd page of results, etc.).

`num`

Optional

Parameter defines the maximum number of results to return, ranging from `1` to `20`, with a default of `10`.

`as_sdt`

Optional

Parameter can be used either as a search type or a filter.

As a Filter (only works when searching articles):

`0` - exclude patents (default).

`7` - include patents.

As a Search Type:

`4` - Select case law (US courts only). This will select all the State and Federal courts.

e.g. `as_sdt=4` - Selects case law (all courts)

To select specific courts, see the full list of supported [Google Scholar courts](#).

e.g. `as_sdt=4,33,192` - `4` is the **required** value and should always be in the first position, `33` selects all New York courts and `192` selects Tax Court.

Values have to be separated by comma (,)

Advanced Filters

`safe`

Optional

Parameter defines the level of filtering for adult content. It can be set to **active** or **off** , by default Google will blur explicit content.

`filter`

Optional

Parameter defines if the filters for 'Similar Results' and 'Omitted Results' are on or off. It can be set to `1` (default) to enable these filters, or `0` to disable these filters.

`as_vis`

Optional

Parameter defines whether you would like to include citations or not. It can be set to `1` to exclude these results, or `0` (default) to include them.

`as_rr`

Optional

Parameter defines whether you would like to show only review articles or not (these articles consist of topic reviews, or discuss the works or authors you have searched for). It can be set to `1` to enable this filter, or `0` (default) to show all results.

`engine`

Required

Set parameter to `google_scholar` to use the Google Scholar API engine.

`no_cache`

Optional

Parameter will force SerpApi to fetch the Google Scholar results even if a cached version is already present. A cache is served only if the query and all parameters are exactly the same. Cache expires after 1h. Cached searches are free, and are not counted towards your searches per month. It can be set to `false` (default) to allow results from the cache, or `true` to disallow results from the cache.

`no_cache` and `async` parameters should not be used together.

`async`

Optional

Parameter defines the way you want to submit your search to SerpApi. It can be set to `false` (default) to open an HTTP connection and keep it open until you got your search results, or `true` to just submit your search to SerpApi and retrieve them later. In this case, you'll need to use our [Searches Archive API](#) to retrieve your results. `async` and `no_cache` parameters should not be used together. `async` should not be used on accounts with [Ludicrous Speed](#) enabled.

`zero_trace`

Optional

Enterprise only. Parameter enables [ZeroTrace mode](#). It can be set to `false` (default) or `true`. Enable this mode to skip storing search parameters, search files, and search metadata on our servers. This may make debugging more difficult.

`api_key`

Required

Parameter defines the SerpApi private key to use.

`output`

Optional

Parameter defines the final output you want. It can be set to `json` (default) to get a structured `JSON` of the results, or `html` to get the raw html retrieved.

API Results

JSON Results

JSON output includes structured data for [organic results](#).

A search status is accessible through `search_metadata.status`. It

HTML Results

HTML output is useful to debug JSON results or support features not supported yet by SerpApi.

HTML output gives you the raw HTML results from Google.

Example with $q: b_{10} \log y$

search_information > query_displayed

Articles

Any time
Since 2019
Since 2018
Since 2015
Custom range...

Sort by relevance
Sort by date

☒ include patents
☒ include citations

☒ Create alert

About 5,790,000 results (0.04 sec)

search_information > total_results

Population **biology** of plants.

JL Harper - Population **biology** of plants., 1977 - cabdirect.org
The first chapter is concerned with experiments, analogies and models. There are sections on dispersal, dormancy and recruitment of seedling populations, effects of neighbours, effects of predators and natural dynamics of plant populations, and plants, vegetation and evolution. There ...
☆ ⓘ Cited by 14003 Related articles All 6 versions Cached ⌵

[CITATION] Molecular cell **biology** [PDF] nsysu.edu.tw
H Lodish, A Berk, CA Kaiser, M Krieger, MP Scott... - 2008 - Macmillan
☆ ⓘ Cited by 9196 Related articles All 18 versions

[BOOK] Brock **biology** of microorganisms [PDF] researchgate.net
MT Madigan, JM Martinko, J Parker - 1997 - researchgate.net
Purple bacteria are anoxygenic phototrophs that grow phototrophically, obtaining carbon from CO₂+ H₂S (purple sulfur bacteria) or organic compounds (purple nonsulfur bacteria). Purple nonsulfur bacteria are physiologically diverse and most can grow as ...
☆ ⓘ Cited by 9710 Related articles All 19 versions View as HTML ⌵

[CITATION] Circular statistics in **biology**.
E Batschelet - ACADEMIC PRESS, 111 FIFTH AVE., NEW YORK, NY ..., 1981
☆ ⓘ Cited by 6022 Related articles organic_results

Related searches

molecular biology	reproductive biology
synthetic biology	biochemistry and molecular biology
evolutionary biology	global change biology
computational biology	plos biology

related_searches

[BOOK] **Biology** of amphibians
WE Duellman, L Trueb - 1994 - books.google.com
This is the widely acclaimed, preeminent reference and text on all aspects of amphibian **biology**, including their life history, ecology, morphology, and evolution. Copiously illustrated with original drawings and photographs and meticulously referenced with more than 2,500 ...
☆ ⓘ Cited by 7150 Related articles All 4 versions

Elements of physical **biology**
AJ Lotka - Science Progress in the Twentieth Century (1919-1933 ..., 1926 - JSTOR
F torn Dr. Alfred J. Lotka Dear Sir,-The review of Elements of Physical **Biology** which appeared in a recent issue of Science Progress is base on a fundamental misunderstanding of the method and purpos of that work. As this misunderstanding is calculated to mislead the ...
☆ ⓘ Cited by 5796 Related articles All 2 versions

Electron transfers in chemistry and **biology**
RA Marcus, N Sutin - Biochimica et Biophysica Acta (BBA)-Reviews on ..., 1985 - Elsevier
Electron-transfer reactions between ions and molecules in solution have been the subject of considerable experimental study during the past three decades. Experimental results have also been obtained on related phenomena, such as reactions between ions or molecules ...
☆ ⓘ Cited by 8929 Related articles All 6 versions

[CITATION] The world's worst weeds: distribution and **biology**
LG Holm, DL Plucknett, JV Pancho... - 1977 - University press of Hawaii Honolulu
☆ ⓘ Cited by 2884 Related articles All 8 versions

[BOOK] Free radicals in **biology** and medicine [PDF] vanlanguni.edu.vn
B Halliwell, JMC Gutteridge - 2015 - books.google.com
Free Radicals in **Biology** and Medicine has become a classic text in the field of free radical and antioxidant research. Now in its fifth edition, the book has been comprehensively rewritten and updated whilst maintaining the clarity of its predecessors. Two new chapters ...
☆ ⓘ Cited by 26946 Related articles All 7 versions

[BOOK] **Biology** of ticks
DE Sonenshine, RM Roe - 2013 - books.google.com
Biology of Ticks is the most comprehensive work on tick **biology** and tick-borne diseases. This second edition is a multi-authored work, featuring the research and analyses of renowned experts across the globe. Spanning two volumes, the book examines the ...
☆ ⓘ Cited by 2123 Related articles organic_results

1 2 3 4 5 6 7 8 9 10
Next

pagination

 GET

1 | https://serpapi.com/search.json?engine=google_scholar&q=biology

```
1 from serpapi import GoogleSearch
2
3 params = {
4     "engine": "google_scholar",
5     "q": "biology",
6     "api_key": "secret_api_key"
7 }
8
9 search = GoogleSearch(params)
10 results = search.get_dict()
11 organic_results = results["organic_results"]
```

{} JSON Example



```

    "status": "Success",
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    "created_at": "2019-09-26 12:35:14 UTC",
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    "raw_html_file": "https://serpapi.com/searches/6e2dda69527af983/5d8cb082de983409f4",
    "total_time_taken": 1.24
  },
  "search_parameters": {
    "engine": "google_scholar",
    "q": "biology"
  },
  "search_information": {
    "total_results": 5880000,
    "time_taken_displayed": 0.06,
    "query_displayed": "biology"
  },
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      "result_id": "JC4Acibs_4kJ",
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      "snippet": "The first chapter is concerned with experiments, analogies and model",
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        "summary": "JL Harper - Population biology of plants., 1977 - cabdirect.org"
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    },
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      "result_id": "5BUDsdJ6ho0J",
      "link": "https://books.google.com/books?hl=en&lr=&id=K3JbjG1JiUMC&oi=fnd&pg=PA18",
      "snippet": "With its acclaimed author team, cutting-edge content, emphasis on me",
      "publication_info": {
        "summary": "H Lodish, A Berk, CA Kaiser, M Krieger, MP Scott... - 2008 - books.g"
      },
      "resources": [

```



```

    "link": "http://www2.nsysu.edu.tw/wznlab/cnb.pat
  },
],
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  "cited_by": {
    "total": 9196,
    "link": "https://scholar.google.com/scholar?cites=10197973451558557156&as_sc
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  }
}
},
{
  "position": 2,
  "title": "Brock biology of microorganisms",
  "result_id": "aYK6cRyUoXoJ",
  "link": "https://www.researchgate.net/profile/Michael_Madigan/publication/483631
  "snippet": "Purple bacteria are anoxygenic phototrophs that grow phototrophicall
  "publication_info": {
    "summary": "MT Madigan, JM Martinko, J Parker - 1997 - researchgate.net"
  },
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      "link": "https://www.researchgate.net/profile/Michael_Madigan/publication/48
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  ],
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  }
}
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```

```

    "publication_info": {
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    "result_id": "Bei1I16dqdMJ",
    "link": "https://books.google.com/books?hl=en&lr=&id=CzxVvKmrIgc&oi=fnd&pg=PR98
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    "publication_info": {
      "summary": "WE Duellman, L Trueb - 1994 - books.google.com"
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    "result_id": "-kzCxIbMYs0J",
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    "snippet": "F torn Dr. Alfred J. Lotka Dear Sir,-The review of Elements of Physi
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      "summary": "AJ Lotka - Science Progress in the Twentieth Century (1919-1933 ...,
    },
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```

```

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  },
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    "result_id": "h-UUmfo_QI0J",
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    "snippet": "Electron-transfer reactions between ions and molecules in solution h...",
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      "summary": "RA Marcus, N Sutin - Biochimica et Biophysica Acta (BBA)-Reviews (1977)..."
    },
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```

```

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  "publication_info": {
    "summary": "B Halliwell, JMC Gutteridge - 2015 - books.google.com"
  },
  "resources": [
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      "file_format": "PDF",
      "link": "http://thuvienso.vanlanguni.edu.vn/bitstream/Vanlang_TV/9963/11/SA:
    }
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    },
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      "serpapi_scholar_link": "https://serpapi.com/search.json?cluster=1596222845
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  }
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  "snippet": "Biology of Ticks is the most comprehensive work on tick biology and
  "publication_info": {
    "summary": "DE Sonenshine, RM Roe - 2013 - books.google.com"
  },
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    "serpapi_related_pages_link": "https://serpapi.com/search.json?as_sdt=0%2C38&
    "versions": {
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```

```

    }
  ],
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    },
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