

# Google Scholar API

build 725 examples, 0 failures

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](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

Required

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

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.

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.

Optional

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

Optional

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, limited to 20. (e.g., `10` (default) returns 10 results, `20` returns 20 results).

## 🔍 Search Type

### 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)

e.g. `as_sct-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.

## Serpapi Parameters

`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.

**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

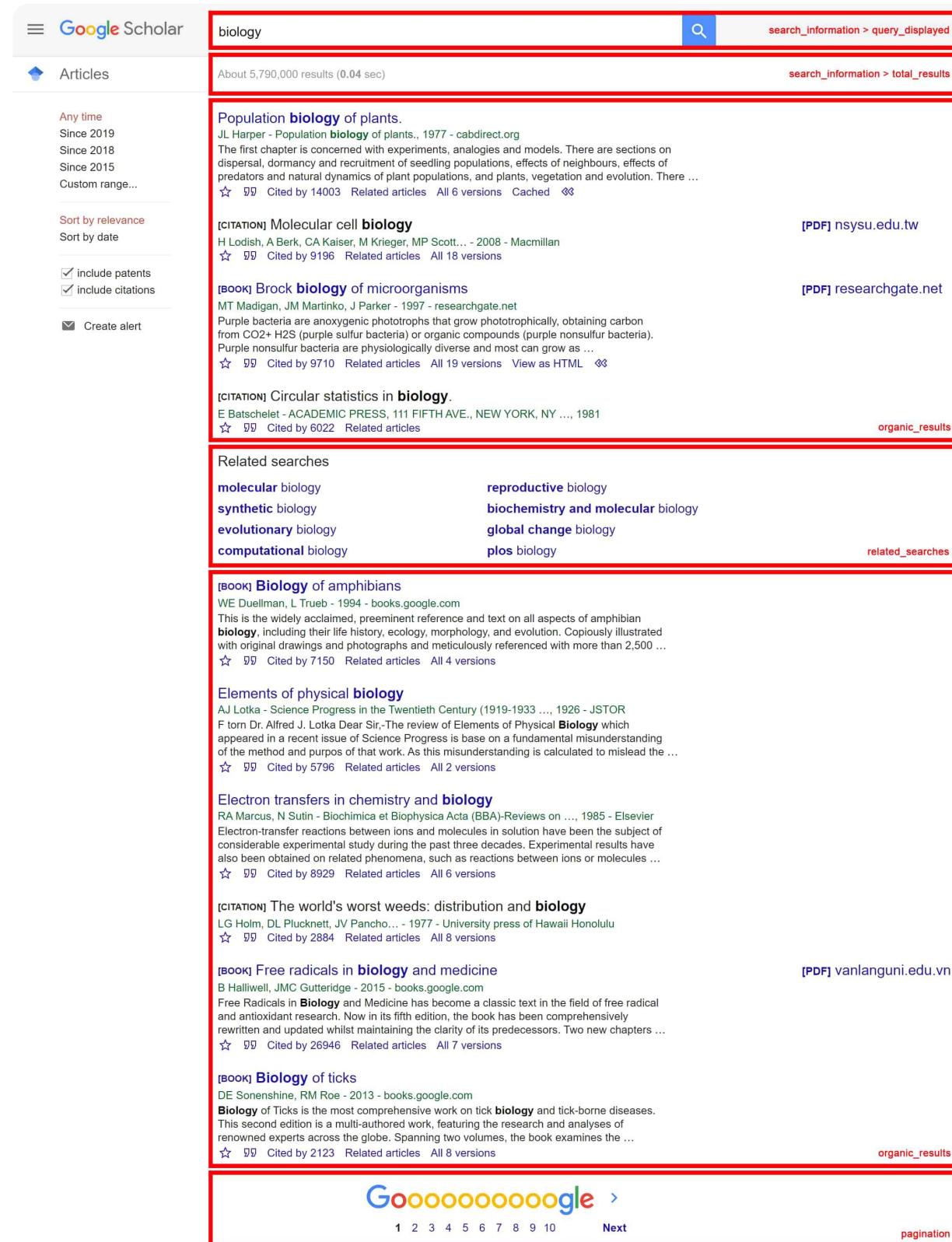
JSON output includes structured data for [organic results](#).

A search status is accessible through `search_metadata.status`. It flows this way: `Processing -> Success || Error`. If a search has failed, `error` will contain an error message. `search_metadata.id` is the search ID inside SerpApi.

### 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  : biology


The screenshot shows the Google Scholar search interface with the query "biology". The results page displays various academic papers, books, and other resources. A red border highlights the main search results area. Key elements include:

- Google Scholar sidebar:** Includes filters for "Any time", "Sort by relevance", and "Create alert".
- Search bar:** Shows "biology" and a search button.
- Result count:** "About 5,790,000 results (0.04 sec)".
- First result:** "Population biology of plants." by JL Harper, published in 1977. It includes a snippet, citation information (Cited by 14003), and download links ([PDF] nsysu.edu.tw).
- Second result:** "Brock biology of microorganisms" by MT Madigan, JM Martinko, and J Parker, published in 1997. It includes a snippet, citation information (Cited by 9196), and download links ([PDF] researchgate.net).
- Third result:** "Circular statistics in biology." by E Batschelet, published in 1981. It includes a snippet, citation information (Cited by 6022), and download links ([PDF] organic\_results).
- Related searches:** Lists "molecular biology", "synthetic biology", "evolutionary biology", "computational biology", "reproductive biology", "biochemistry and molecular biology", "global change biology", and "plos biology".
- Fourth result:** "Biology of amphibians" by WE Duellman and L Trueb, published in 1994. It includes a snippet, citation information (Cited by 7150), and download links ([PDF] organic\_results).
- Fifth result:** "Elements of physical biology" by AJ Lotka, published in 1926. It includes a snippet, citation information (Cited by 5796), and download links ([PDF] related\_searches).
- Sixth result:** "Electron transfers in chemistry and biology" by RA Marcus and N Sutin, published in 1985. It includes a snippet, citation information (Cited by 8929), and download links ([PDF] related\_searches).
- Seventh result:** "The world's worst weeds: distribution and biology" by LG Holm, DL Plucknett, and JV Pancho, published in 1977. It includes a snippet, citation information (Cited by 2884), and download links ([PDF] related\_searches).
- Eighth result:** "Free radicals in biology and medicine" by B Halliwell and JMC Gutteridge, published in 2015. It includes a snippet, citation information (Cited by 26946), and download links ([PDF] vanlanguni.edu.vn).
- Ninth result:** "Biology of ticks" by DE Sonenshine and RM Roe, published in 2013. It includes a snippet, citation information (Cited by 2123), and download links ([PDF] organic\_results).
- Pagination:** Shows page numbers 1 through 10, a "Next" button, and a "pagination" link at the bottom.

&lt;/&gt; GET

1 | [https://serpapi.com/search.json?engine=google\\_scholar&q=biology](https://serpapi.com/search.json?engine=google_scholar&q=biology)

&lt;/&gt; Code to integrate

Ruby

```
5 |     params = {
6 |       engine: "google_scholar",
7 |       q: "biology",
8 |       api_key: "secret_api_key"
9 |     }
10|   search = GoogleSearch.new(params)
11|   organic_results = search.get_hash[:organic_results]
```

{ } JSON Example



```
"status": "Success",
"json_endpoint": "https://serpapi.com/searches/6e2dda69527af983/5d8cb082de983409f4a1aa21.json",
"created_at": "2019-09-26 12:35:14 UTC",
"processed_at": "2019-09-26 12:35:14 UTC",
"google_scholar_url": "https://scholar.google.com/scholar?q=biology",
"raw_html_file": "https://serpapi.com/searches/6e2dda69527af983/5d8cb082de983409f4a1aa21.html",
"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"
},
"organic_results": [
  {
    "position": 0,
    "title": "Population biology of plants.",
    "result_id": "JC4Acibs_4kJ",
    "link": "https://www.cabdirect.org/cabdirect/abstract/19782321379",
    "snippet": "The first chapter is concerned with experiments, analogies and models. There ar",
    "publication_info": {
      "summary": "JL Harper - Population biology of plants., 1977 - cabdirect.org"
    },
    "inline_links": {
      "serpapi_cite_link": "https://serpapi.com/search.json?engine=google_scholar_cite&q=JC4Aci",
      "cited_by": {
        "total": 14003,
        "link": "https://scholar.google.com/scholar?cites=9943926152122871332&as_sdt=5,38&scio",
        "cites_id": "9943926152122871332",
        "serpapi_scholar_link": "https://serpapi.com/search.json?cites=9943926152122871332&engi"
      },
      "related_pages_link": "https://scholar.google.com/scholar?q=related:JC4Acibs_4kJ:scholar",
      "serpapi_related_pages_link": "https://serpapi.com/search.json?as_sdt=0%2C38&engine=googl",
      "versions": {
        "total": 6,
        "link": "https://scholar.google.com/scholar?cluster=9943926152122871332&hl=en&as_sdt=0",
        "cluster_id": "9943926152122871332",
        "serpapi_scholar_link": "https://serpapi.com/search.json?cluster=9943926152122871332&er"
      },
      "cached_page_link": "https://scholar.google.comhttps://scholar.googleusercontent.com/schol"
    }
  },
  {
    "position": 1,
    "title": "Molecular cell biology",
    "result_id": "5BUDsdJ6ho0J",
    "link": "https://books.google.com/books?hl=en&lr=&id=K3JbjG1JiUMC&oi=fnd&pg=PA1&dq=biology&hl=en",
    "snippet": "With its acclaimed author team, cutting-edge content, emphasis on medical relev",
    "publication_info": {
      "summary": "H Lodish, A Berk, CA Kaiser, M Krieger, MP Scott... - 2008 - books.google.com"
    },
    "resources": [
      {
        "title": "nsysu.edu.tw",
        "file_format": "PDF",
        "link": "http://www2.nsysu.edu.tw/wzhlab/ch6.pdf"
      }
    ],
    "inline_links": {
      "serpapi_cite_link": "https://serpapi.com/search.json?engine=google_scholar_cite&q=5BUDsc",
      "cited_by": {
        "total": 9196,
        "link": "https://scholar.google.com/scholar?cites=10197973451558557156&as_sdt=5,38&scic",
        "cites_id": "10197973451558557156",
        "serpapi_scholar_link": "https://serpapi.com/search.json?cites=10197973451558557156&engi"
      }
    }
  }
]
```

```
        "serpapi_related_pages_link": "https://serpapi.com/search.json?as_sdt=0%2C38&engine=google",
        "versions": {
            "total": 18,
            "link": "https://scholar.google.com/scholar?cluster=10197973451558557156&hl=en&as_sdt=0",
            "cluster_id": "10197973451558557156",
            "serpapi_scholar_link": "https://serpapi.com/search.json?cluster=10197973451558557156&engine=google"
        }
    },
    {
        "position": 2,
        "title": "Brock biology of microorganisms",
        "result_id": "aYK6cRyUoXoJ",
        "link": "https://www.researchgate.net/profile/Michael_Madigan/publication/48363170_Brock_Biology_of_Microorganisms/283333444",
        "snippet": "Purple bacteria are anoxygenic phototrophs that grow phototrophically, obtainir",
        "publication_info": {
            "summary": "MT Madigan, JM Martinko, J Parker - 1997 - researchgate.net"
        },
        "resources": [
            {
                "title": "researchgate.net",
                "file_format": "PDF",
                "link": "https://www.researchgate.net/profile/Michael_Madigan/publication/48363170_Brock_Biology_of_Microorganisms/283333444"
            }
        ],
        "inline_links": {
            "serpapi_cite_link": "https://serpapi.com/search.json?engine=google_scholar_cite&q=aYK6cRyUoXoJ",
            "cited_by": {
                "total": 9710,
                "link": "https://scholar.google.com/scholar?cites=8836506793765667433&as_sdt=5,38&scio=cites",
                "cites_id": "8836506793765667433",
                "serpapi_scholar_link": "https://serpapi.com/search.json?cites=8836506793765667433&engine=google"
            },
            "related_pages_link": "https://scholar.google.com/scholar?q=related:aYK6cRyUoXoJ:scholar",
            "serpapi_related_pages_link": "https://serpapi.com/search.json?as_sdt=0%2C38&engine=google"
        },
        "versions": {
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            "cluster_id": "8836506793765667433",
            "serpapi_scholar_link": "https://serpapi.com/search.json?cluster=8836506793765667433&engine=google"
        },
        "cached_page_link": "https://scholar.google.comhttps://scholar.googleusercontent.com/scholar?cluster=8836506793765667433&hl=en&as_sdt=0%2C38&engine=google"
    },
    {
        "position": 3,
        "title": "Circular statistics in biology.",
        "publication_info": {
            "summary": "E Batschelet - ACADEMIC PRESS, 111 FIFTH AVE., NEW YORK, NY ..., 1981"
        },
        "inline_links": {
            "cited_by": {
                "total": 6022,
                "link": "https://scholar.google.com/scholar?cites=15768135063984745093&as_sdt=5,38&scio=cites",
                "cites_id": "15768135063984745093",
                "serpapi_scholar_link": "https://serpapi.com/search.json?cites=15768135063984745093&engine=google"
            },
            "related_pages_link": "https://scholar.google.com/scholar?q=related:hSoxK0yr09oJ:scholar",
            "serpapi_related_pages_link": "https://serpapi.com/search.json?as_sdt=0%2C38&engine=google"
        }
    },
    {
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        "title": "Biology of amphibians",
        "result_id": "Bei1I16dqdMJ",
        "link": "https://books.google.com/books?hl=en&lr=&id=CzxVvKmrtIgC&oi=fnd&pg=PR9&dq=biology&hl=en",
        "snippet": "This is the widely acclaimed, preeminent reference and text on all aspects of a",
        "publication_info": {
            "summary": "WE Duellman, L Trueb - 1994 - books.google.com"
        }
    }
]
```

```
cited_by": {
    "total": 7150,
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    "cites_id": "15251894640718505989",
    "serpapi_scholar_link": "https://serpapi.com/search.json?cites=15251894640718505989&engine=google_scholar"
},
"related_pages_link": "https://scholar.google.com/scholar?q=related:Bei1I16dqdMJ:scholar",
"serpapi_related_pages_link": "https://serpapi.com/search.json?as_sdt=0%2C38&engine=google_scholar",
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    "cluster_id": "15251894640718505989",
    "serpapi_scholar_link": "https://serpapi.com/search.json?cluster=15251894640718505989&engine=google_scholar"
}
},
{
    "position": 5,
    "title": "Elements of physical biology",
    "result_id": "-kzCxIbMYs0J",
    "link": "https://www.jstor.org/stable/43430362",
    "snippet": "F torn Dr. Alfred J. Lotka Dear Sir,-The review of Elements of Physical Biology",
    "publication_info": {
        "summary": "AJ Lotka - Science Progress in the Twentieth Century (1919-1933 ..., 1926 - JSI"
    },
    "inline_links": {
        "serpapi_cite_link": "https://serpapi.com/search.json?engine=google_scholar_cite&q=-kzCxIbMYs0J",
        "cited_by": {
            "total": 5796,
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            "serpapi_scholar_link": "https://serpapi.com/search.json?cites=14799616204691623162&engine=google_scholar"
        },
        "related_pages_link": "https://scholar.google.com/scholar?q=related:-kzCxIbMYs0J:scholar",
        "serpapi_related_pages_link": "https://serpapi.com/search.json?as_sdt=0%2C38&engine=google_scholar",
        "versions": {
            "total": 2,
            "link": "https://scholar.google.com/scholar?cluster=14799616204691623162&hl=en&as_sdt=6,20&scicid=14799616204691623162",
            "cluster_id": "14799616204691623162",
            "serpapi_scholar_link": "https://serpapi.com/search.json?cluster=14799616204691623162&engine=google_scholar"
        }
    }
},
{
    "position": 6,
    "title": "Electron transfers in chemistry and biology",
    "result_id": "h-UUmfo_QI0J",
    "link": "https://www.sciencedirect.com/science/article/pii/030441738590014X",
    "snippet": "Electron-transfer reactions between ions and molecules in solution have been tr...",
    "publication_info": {
        "summary": "RA Marcus, N Sutin - Biochimica et Biophysica Acta (BBA)-Reviews on ..., 1985 - JSI"
    },
    "inline_links": {
        "serpapi_cite_link": "https://serpapi.com/search.json?engine=google_scholar_cite&q=h-UUmfo_QI0J",
        "cited_by": {
            "total": 8929,
            "link": "https://scholar.google.com/scholar?cites=10178205503399978375&as_sdt=5,38&scicid=10178205503399978375",
            "cites_id": "10178205503399978375",
            "serpapi_scholar_link": "https://serpapi.com/search.json?cites=10178205503399978375&engine=google_scholar"
        },
        "related_pages_link": "https://scholar.google.com/scholar?q=related:h-UUmfo_QI0J:scholar",
        "serpapi_related_pages_link": "https://serpapi.com/search.json?as_sdt=0%2C38&engine=google_scholar",
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            "cluster_id": "10178205503399978375",
            "serpapi_scholar_link": "https://serpapi.com/search.json?cluster=10178205503399978375&engine=google_scholar"
        }
    }
}
```

```
title : The world's worst weeds: distribution and biology ,
"publication_info": {
  "summary": "LG Holm, DL Plucknett, JV Pancho... - 1977 - University press of Hawaii Honolulu",
},
"inline_links": {
  "cited_by": {
    "total": 2884,
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    "cites_id": "13741962940703055577",
    "serpapi_scholar_link": "https://serpapi.com/search.json?cites=13741962940703055577&engine=google_scholar"
  },
  "related_pages_link": "https://scholar.google.com/scholar?q=related:2R4wjXxCtb4J:scholar",
  "serpapi_related_pages_link": "https://serpapi.com/search.json?as_sdt=0%2C38&engine=google_scholar"
},
"versions": {
  "total": 8,
  "link": "https://scholar.google.com/scholar?cluster=13741962940703055577&hl=en&as_sdt=5,38&scicv=1",
  "cluster_id": "13741962940703055577",
  "serpapi_scholar_link": "https://serpapi.com/search.json?cluster=13741962940703055577&engine=google_scholar"
}
},
{
  "position": 8,
  "title": "Free radicals in biology and medicine",
  "result_id": "GPYLddTNXkEJ",
  "link": "https://books.google.com/books?hl=en&lr=&id=3DlKCgAAQBAJ&oi=fnd&pg=PP1&dq=biology&q=biology",
  "snippet": "Free Radicals in Biology and Medicine has become a classic text in the field of",
  "publication_info": {
    "summary": "B Halliwell, JMC Gutteridge - 2015 - books.google.com"
  },
  "resources": [
    {
      "title": "vanlanguni.edu.vn",
      "file_format": "PDF",
      "link": "http://thuvienso.vanlanguni.edu.vn/bitstream/Vanlang_TV/9963/11/SA3635_Free%20.pdf"
    }
  ],
  "inline_links": {
    "serpapi_cite_link": "https://serpapi.com/search.json?engine=google_scholar_cite&q=GPYLddTNXkEJ",
    "cited_by": {
      "total": 26946,
      "link": "https://scholar.google.com/scholar?cites=15962228459898641425&as_sdt=5,38&scicv=1",
      "cites_id": "15962228459898641425",
      "serpapi_scholar_link": "https://serpapi.com/search.json?cites=15962228459898641425&engine=google_scholar"
    },
    "related_pages_link": "https://scholar.google.com/scholar?q=related:EZzjdzY6hd0J:scholar",
    "serpapi_related_pages_link": "https://serpapi.com/search.json?as_sdt=0%2C38&engine=google_scholar"
  },
  "versions": {
    "total": 7,
    "link": "https://scholar.google.com/scholar?cluster=15962228459898641425&hl=en&as_sdt=5,38&scicv=1",
    "cluster_id": "15962228459898641425",
    "serpapi_scholar_link": "https://serpapi.com/search.json?cluster=15962228459898641425&engine=google_scholar"
  }
},
{
  "position": 9,
  "title": "Biology of ticks",
  "result_id": "k1yvQEAE5qfMJ",
  "link": "https://books.google.com/books?hl=en&lr=&id=gck4AAAAQBAJ&oi=fnd&pg=PP1&dq=biology&q=biology",
  "snippet": "Biology of Ticks is the most comprehensive work on tick biology and tick-borne diseases, providing a detailed account of the biology, ecology, and medical importance of ticks. It covers all aspects of tick biology, from their life cycles and feeding habits to their role in the transmission of diseases such as Lyme disease, babesiosis, and tick-borne encephalitis. The book also includes information on tick control and prevention measures. Overall, it is a valuable resource for anyone interested in the biology and medical significance of ticks.",
  "publication_info": {
    "summary": "DE Sonenshine, RM Roe - 2013 - books.google.com"
  },
  "inline_links": {
    "serpapi_cite_link": "https://serpapi.com/search.json?engine=google_scholar_cite&q=k1yvQEAE5qfMJ",
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