Reboot your Google Scholar searching: quick tips

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13:00, Zoom
Google Scholar

Reboot

How does long-term social media use impact teens' mental health?

- Articles
- Case law
Google Scholar

What are we covering?

• Examine or (re-examine) some of Google Scholar’s key features
• Explore tools that can enhance your Google Scholar experience
• Illustrate search techniques you can apply to Google Scholar queries
This lecture cannot cover all possibilities

We hope to offer new considerations for your Google Scholar searches

It may validate your current approach

From time to time look at search tools with “fresh eyes” and test things out
Google Scholar
Quick facts

- User-friendly search engine
- Released in November 18th 2004
- Search for book chapters, journal publications, presentations, patents, etc.
- ~256 character limit
- Wide range of scholarly works across various disciplines
- Users can explore related works, citations, and author’s scholarly profiles
Quick tips
Google Scholar Settings

- Customize your settings to tailor your experience
Google Scholar
Library links

Show library access links for (choose up to five libraries):

- e.g., Harvard

- Universitaet Bern - Uni Bern Fulltext
Systematic reviewing: Introduction, locating studies and data abstraction
J. Clark - Methods of clinical epidemiology, 2013 - Springer

... systematic review is essentially a systematic investigation of existing research data identified via a reproducible systematic search ... be followed to execute a standard systematic review. ...
Google Scholar

Search options

- Articles
- Case law
Google Scholar

Advanced Search

- Useful for finding a reference
- Formulate a precise search
Google Scholar Profiles

- If you are new to a topic, you can start with the experts

- Conduct a simple search, then select profiles

- It will take the search query and identify publications from authors in the field
Cited works

Google Scholar

Search cited articles
• Discover other publications by clicking related articles
Google Scholar
Citing and exporting

Citing


Exporting

- BibTeX
- EndNote
- RefMan
- RefWorks
Google Scholar
Tools

• Use tools to help identify search terms and synonyms for your Google Scholar searches

I am conducting a literature search that includes the pediatric population. Please provide a list of synonyms for children.

Certainly! Here are some synonyms for "children" that you can use in your literature search:

1. Kids
2. Minors
3. Infants
4. Juveniles
5. Youngsters
6. Offspring
7. Adolescents
8. Toddlers
9. Youths
10. Juniors
Google Scholar

Tools

who.int/news-room/fact-sheets/detail/hypertension
Google Scholar

Order of search terms

**climates change impacts on biodiversity**

1. Climate change impacts on biodiversity in Switzerland: A review
   - Google Scholar results: About 214,000 results (0.08 sec)
   - Cited by: 111
   - Related articles: All 12 versions

2. Climate change impacts on biodiversity—the setting of a lingering global crisis
   - Google Scholar results: About 2,396 results (0.15 sec)
   - Cited by: 95
   - Related articles: All 20 versions

3. Climate change impacts on biodiversity and ecosystems in Sri Lanka: a review
   - Google Scholar results: About 115 results (0.24 sec)
   - Cited by: 46
   - Related articles: All 8 versions

**biodiversity impacts of climate change**

1. Impacts of climate change on the future of biodiversity
   - Cited by: 446
   - Related articles: All 38 versions

2. Assessing the impacts of climate change on biodiversity: is below 2°C enough?
   - Cited by: 228
   - Related articles: All 20 versions

3. Projecting global marine biodiversity impacts under climate change scenarios
Google Scholar
Order of search terms

• The order of search terms may influence the search results

• Place your most essential search terms in the beginning of the query

• Test out a couple of different orders and scan the first page of results
Google Scholar Syntax

- There is a set of syntax you can test to optimize your Google Scholar searches

- `filetype: pdf, ppt, doc, html`
- `site:.org, edu, gov`
- `allintitle:`
- `hyphen (-) for NOT`
- `| symbol for OR`
- `space = AND`
allintitle:"cognitive behavioral therapy"|CBT "generalized anxiety disorder"|GAD rct|randomized|randomised
Examples

```
allintitle:"multiple sclerosis" treatment site:org
```
Examples

Google Scholar

Evolving Accumulation of a Complex Profile of Polychlorinated Alkanes in Canadian Polar Bears
B Yuan, RJ Letcher - Environmental Science & Technology Letters, 2024 - ACS Publications

... polar bears (Ursus maritimus) from Hudson Bay. Subcutaneous fat samples collected over the past decade from adult male polar bears ... Notably, SHB bears exhibited a decrease in PCA ...

Aversive conditioning increases short-term wariness but does not change habitat use in black bears associated with conflict
L Homstol, S Raymond, C Edwards, AN Hamilton... - Plos one, 2024 - journals.plos.org

... wariness in black bears but does not alter bear use of human-... We coded bear response to researchers as 1 if the bear left ... and as 0 if the bear did not displace upon researcher arrival. ...
Google Scholar is not enough to be used alone for systematic reviews

Dean Giustini 1, Maged N Kamel Boulos

Optimal database combinations for literature searches in systematic reviews: a prospective exploratory study

Wichor M Bramer 1, Melissa L Rethlefsen 2, Jos Kleijnen 3, 4, Oscar H Franco 5

Using google scholar to conduct a literature search

Paula Younger 1

The Role of Google Scholar in Evidence Reviews and Its Applicability to Grey Literature Searching

Neal Robert Haddaway 1, Alexandra Mary Collins 2, Deborah Coughlin 3, Stuart Kirk 4
Google Scholar
Systematic reviews

• Google scholar can be considered as a information source for systematic review/evidence synthesis projects

• It should not be the only source you search

• Consult with current SR guidelines
Google Scholar
Systematic reviews

• Document your Google Scholar search (e.g., create detailed notes, take screenshots)

• Refer to the PRISMA 2020 and PRISMA-S for reporting guidance

PRISMA-S: an extension to the PRISMA Statement for Reporting Literature Searches in Systematic Reviews

Melissa L. Retlefsen, Shona Kirtley, Siw Waffenschmidt, Ana Patricia Ayala, David Moher, Matthew J. Page, Jonathan B. Koffel & PRISMA-S Group

Systematic Reviews 10, Article number: 39 (2021) | Cite this article

PRISMA 2020 explanation and elaboration: updated guidance and exemplars for reporting systematic reviews

BMJ 2021; 372 doi: https://doi.org/10.1136/bmj.n160 (Published 29 March 2021)
Cite this as: BMJ 2021;372:n160
Google Scholar

Publish or Perish software
Google Scholar
Publish or Perish software

- Open source software
- It has the same character limit as Google Scholar
- Professor Anne-Wil Harzing, Middlesex University, is the lead behind the tool
- Offer seamless bulk export of your Google Scholar results
- You can search from a variety of sources
- Cited by and related documents feature is not available
- Create projects and save searches
- Certain syntax/commands are not recognized
Google Scholar
Publish or Perish software
Google Scholar Workflow

1. Search terms
2. New Crossref Search
3. Google Scholar search
4. Copy Results
   - Copy Results
   - Save Results
   - Results as BibTeX...
   - Results as CSV...
   - Results as EndNote...
   - Results as ISI/WoS Export...
   - Results as JSON...
   - Results as RIS/RefManager...
Google Scholar

Summary

• Google scholar can be a good *addition* to your projects

• Explore or re-explore its’ features

• Identify tools and techniques to optimize results

• Consult with an information specialist if you plan to conduct a scoping or systematic review
Google Scholar

References


Research support services
Web Portal

Email us for quick questions or to set up a one-on-one consultation with a searching specialist: support_med.ub@unibe.ch

Medicine and Pharmacy Portal
unibe.ch/ub/medresearch

Quick Links:
- Anmeldung Forschungsunterstützung
- Kurse Academic Writing
- Kurse Systematic Literature Searching
- Coffee Lectures
- Twitter @sci_ub_unibe

Kontakt: support_med.ub@unibe.ch

linktr.ee/medlibunibe
Thanks for your attendance

Next Coffee Lectures:

Research Support Services
Science and Medical Libraries
University Library Bern
frnat.ub@unibe.ch
support_med.ub@unibe.ch
Thanks for your attendance

Slides and Screencast:

Science Library

Medical Library

Research Support Services
Science and Medical Libraries
University Library Bern
frnat.ub@unibe.ch
support_med.ub@unibe.ch
Thanks for your attendance

Now there is time for...

Questions & Discussion

Research Support Services
Science and Medical Libraries
University Library Bern
frnat.ub@unibe.ch
support_med.ub@unibe.ch