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Searching Google Scholar like a Pro (Library Workshop)

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Searching Google Scholar like a Pro

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Learning Outcomes

- Attendees will learn the pros and cons of searching Google Scholar
- Attendees will learn 8 searching shortcuts to help refine searches to become a Google Scholar pro!



Pros and Cons using Google Scholar

Pros

- It is Google! Free and easy to use.
- Attempt at an academic filter
- Includes peer reviewed content
- Citations and references to expand research
- Indexes content from a wide variety of subject areas
- Links to full-text content owned by Rowan University Libraries if access from [Rowan University Libraries Database](#)

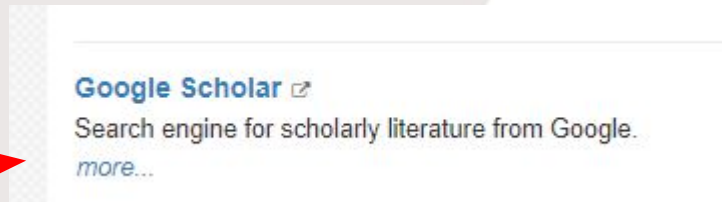
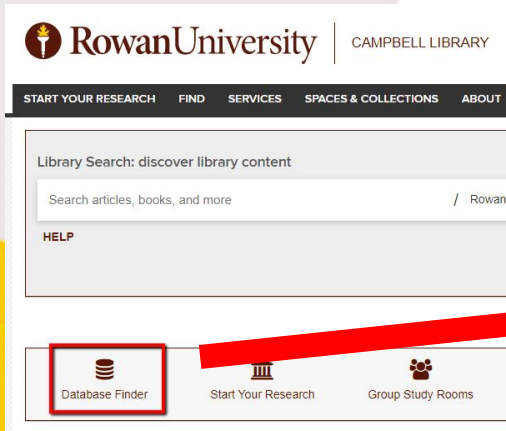
[Finder](#)

Cons

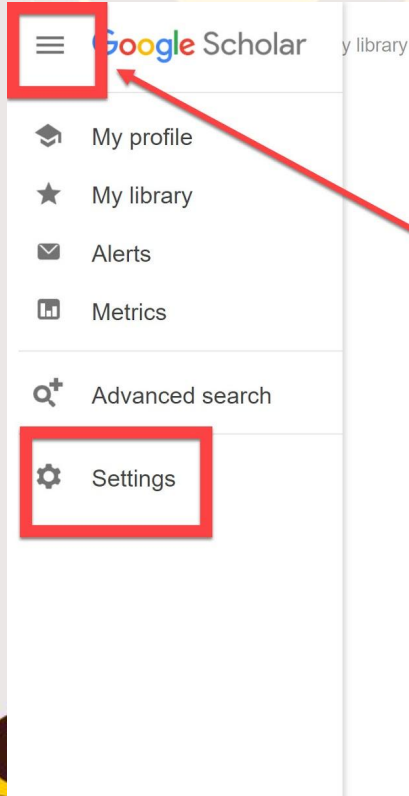
- No idea what exactly is indexed
- Cannot view a comprehensive list of indexed sources
- Do not know exactly what is being searched
- Not everything is accessible full-text for free
- Subject area broad, but tends to favor science and technology
- When limiting by date, results are far less comprehensive
- Not many limiting options compared to other databases (no article type limit, age groups etc.)

Accessing Google Scholar from RUL homepage

1. Go to Campbell Library homepage:
<https://www.lib.rowan.edu/campbell>
2. Click on Database Finder
3. Click on G and scroll down to Google Scholar



Google Scholar Settings



Google Scholar My library

- My profile
- My library
- Alerts
- Metrics
- Advanced search
- Settings

Google Scholar

Articles Case law

New! Scholar Button browser extension update

Articles about COVID-19

| | | | | | |
|--------|---------|----------|--------|-------|---------|
| CDC | NEJM | JAMA | Lancet | Cell | BMJ |
| Nature | Science | Elsevier | Oxford | Wiley | medRxiv |

Stand on the shoulders of giants

Setting up preferences

☰ Google Scholar

◆ Settings

Search results
Languages
Library links
Account
Button

Collections

Search articles (include patents).
 Search case law.

Results per page

20 ▾ Google's default (10 results) provides the fastest results.

Where results open

Open each selected result in a new browser window

Bibliography manager

Don't show any citation import links.
 Show links to import citations into

- BibTeX
- EndNote
- RefMan
- RefWorks

[Save](#) [Cancel](#)

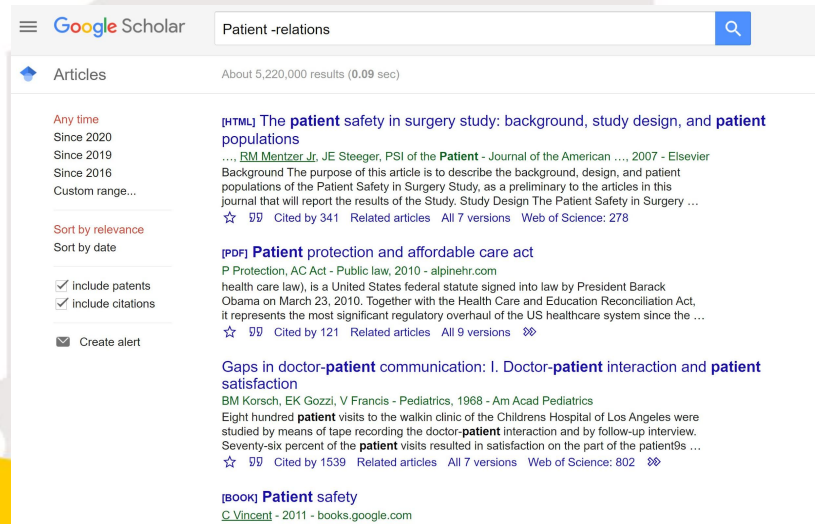
To retain settings, you must turn on cookies

Search tip: #1

- Use “” to search for phrases
- Anterior cruciate ligament = 268,000
- “anterior cruciate ligament” = 239,000

Search tip: #2

- Use - to negate a term in a search
- Patient relations vs Patient -relations
- Buses greyhounds vs Buses -greyhounds



Google Scholar Patient -relations

Articles About 5,220,000 results (0.09 sec)

Any time
Since 2020
Since 2019
Since 2016
Custom range...

Sort by relevance
Sort by date

include patents
 include citations
 Create alert

[HTML] The **patient** safety in surgery study: background, study design, and **patient** populations
... [RM Mentzer Jr](#), JE Steeger, PSI of the **Patient** - Journal of the American ..., 2007 - Elsevier
Background The purpose of this article is to describe the background, design, and patient populations of the Patient Safety in Surgery Study, as a preliminary to the articles in this journal that will report the results of the Study. Study Design The Patient Safety in Surgery ...
☆ [Cited by 341](#) [Related articles](#) [All 7 versions](#) [Web of Science: 278](#)

[PDF] **Patient** protection and affordable care act
P Protection, AC Act - Public law, 2010 - alpinehr.com
health care law), is a United States federal statute signed into law by President Barack Obama on March 23, 2010. Together with the Health Care and Education Reconciliation Act, it represents the most significant regulatory overhaul of the US healthcare system since the ...
☆ [Cited by 121](#) [Related articles](#) [All 9 versions](#) [Web of Science: 278](#)

Gaps in doctor-**patient** communication: I. Doctor-**patient** interaction and **patient** satisfaction
BM Korsch, EK Gozzi, V Francis - Pediatrics, 1968 - Am Acad Pediatrics
Eight hundred **patient** visits to the walk-in clinic of the Childrens Hospital of Los Angeles were studied by means of tape recording the doctor-**patient** interaction and by follow-up interview. Seventy-six percent of the **patient** visits resulted in satisfaction on the part of the patient's ...
☆ [Cited by 1539](#) [Related articles](#) [All 7 versions](#) [Web of Science: 802](#) [Web of Science: 802](#)

[BOOK] **Patient** safety
[C Vincent](#) - 2011 - books.google.com

Search tip: #3

- Author searching `author:"anthony lowman"`

The screenshot shows a Google Scholar search interface. The search bar contains the query `author:"anthony lowman"`. The results page displays several filters on the left: 'Any time' (with sub-options: Since 2020, Since 2019, Since 2016, Custom range...), 'Sort by relevance' (with sub-option: Sort by date), and checkboxes for 'include patents' and 'include citations'. A 'Create alert' option is also present. The main content area features a section titled 'User profiles for author:"anthony lowman"' with a red arrow pointing to the profile of Anthony Lowman, who is identified as a chemical engineering and biomedical engineering expert with a verified email at rowan.edu and cited by 7939. Below this, three article entries are listed, each with a '[HTML]' link and a contact email: 1) 'Biodegradable nanoparticles for drug delivery and targeting' by ML Hans and AM Lowman, published in Current Opinion in Solid State and Materials (2002), with contact email FullText@RowanUniversity; 2) 'Poly (ethylene glycol)-containing hydrogels in drug delivery' by NA Peppas, KB Keys, and M Torres-Lugo, published in Journal of controlled (1999), with contact email FullText@RowanUniversity; 3) 'Hydrogels for the repair of articular cartilage defects' by KL Spiller, SA Maher, and AM Lowman, published in Tissue engineering part B (2011), with contact email FullText@RowanUniversity. The Rowan University logo is visible in the bottom left corner.

Search tip: #4

- Search by filetype (pdf, ppt, doc, xls, swf)
- diabetes filetype:pdf
- Semantics filetype:doc

Google Scholar search results for "diabetes filetype:pdf". The search bar shows the query and a magnifying glass icon. Below the search bar, it indicates "Articles" and "About 985,000 results (0.11 sec)".

On the left side, there are filters for "Any time" (with sub-options: "Since 2020", "Since 2019", "Since 2016", "Custom range...") and "Sort by relevance" (with sub-option: "Sort by date"). There are also checkboxes for "include patents" and "include citations", and a "Create alert" option.

The search results list three items, each with a red box around the "[PDF]" icon:

- [PDF] International diabetes federation**
International Diabetes Federation, 7th edn. Brussels, Belgium: International Diabetes Federation, 2015 - suckhoenoi.tiet.vn
Several years ago it was proposed by my predecessors that it would be helpful to bring together relevant data about **diabetes** and **diabetes** associations around the world. This culminated in the publication of the first edition of the first edition of the **Diabetes Atlas** at the 17th IDF ...
☆ Cited by 386 Related articles All 2 versions
- [PDF] Diagnosis and classification of diabetes mellitus**
Diagnosis and classification of **Diabetes** care, 2006 - Am **Diabetes** Assoc
DEFINITION AND DESCRIPTION OF **DIABETES MELLITUS Diabetes** is a group of metabolic diseases characterized by hyperglycemia resulting from defects in insulin secretion, insulin action, or both. The chronic hyperglycemia of **diabetes** is associated with ...
☆ Cited by 123 Related articles All 3 versions
- [PDF] What is diabetes**
UK **Diabetes** - Accessed March, 2006 - godnaturalcures.com
Diabetes is a biochemical disorder which affects the body's ability to use carbohydrates, sugars and starches. People with diabetes are not able to produce sufficient insulin or are unable to use the insulin they produce effectively enough to break down glucose or sugar in ...
☆ Cited by 50 Related articles All 49 versions

Below these, another result is partially visible:

- [PDF] Diagnosis and classification of diabetes mellitus**
Diabetes Mellitus—**Diabetes** care, 2005 - Am **Diabetes** Assoc
MELLITUS—**Diabetes** mellitus is a group of metabolic diseases characterized by hyperglycemia resulting from defects in insulin secretion, insulin action, or both. The chronic hyperglycemia of **diabetes** is associated with long-term damage, dysfunction, and failure of ...

Search tip: #5

- Search intitle of results
- intitle:“childhood obesity” intitle:treatment

The screenshot shows a Google Scholar search interface. The search bar contains the query "intitle:childhood obesity" intitle:treatment". Below the search bar, the results are listed. The first result is "Childhood obesity treatment: targeting parents exclusively v. parents and children", with the title highlighted in a red box. The second result is "Ten-year outcomes of behavioral family-based treatment for childhood obesity", with the title also highlighted in a red box. The third result is "Parents as the exclusive agents of change in the treatment of childhood obesity", with the title highlighted in a red box. The fourth result is "Targeting parents exclusively in the treatment of childhood obesity: long-term results", with the title highlighted in a red box. The left sidebar contains filters for "Any time" (Since 2020, Since 2019, Since 2016, Custom range...), "Sort by relevance" (Sort by date), and checkboxes for "include patents" and "include citations". There is also a "Create alert" option.

Google Scholar

intitle:childhood obesity" intitle:treatment

Articles About 710 results (0.11 sec)

Any time
Since 2020
Since 2019
Since 2016
Custom range...

Sort by relevance
Sort by date

include patents
 include citations

Create alert

Childhood obesity treatment: targeting parents exclusively v. parents and children [PDF] researchgate.net
M Golan, V Kaufman, DR Shahar - British Journal of Nutrition, 2006 - cambridge.org
There is a consensus that interventions to prevent and treat childhood obesity should involve the family; however, the extent of the child's involvement has received little attention. The goal of the present study was to evaluate the relative efficacy of treating childhood ...
☆ Cited by 421 Related articles All 11 versions

Ten-year outcomes of behavioral family-based treatment for childhood obesity.
LH Epstein, A Valoski, RR Wing, J McCurley - Health psychol, 2012
We report 10-year treatment outcomes for obese children in 4 randomized treatment studies. At 10 years, 34% decreased percentage overweight by 20% or more, and 30% were not obese. Significant effects were observed when parents and children were targeted and ...
☆ Cited by 1133 Related articles All 7 versions

Parents as the exclusive agents of change in the treatment of childhood obesity [PDF] oup.com
M Golan, A Weizman, A Apter... - The American journal of ..., 1998 - academic.oup.com
ABSTRACT BACKGROUND Excessive weight in childhood is a serious public health concern because of its costly health consequences and its increasing prevalence. OBJECTIVE Our objective was to compare the efficacy of a family-based approach for the ...
☆ Cited by 633 Related articles All 8 versions

Targeting parents exclusively in the treatment of childhood obesity: long-term results [PDF] wiley.com Full View
M Golan, S Crow - Obesity research, 2004 - Wiley Online Library
Objective: To report the long-term change in children's overweight following a family-based health-centered approach where only parents were targeted compared with a control intervention where only children were targeted. Research Methods and Procedures: Fifty of ...
☆ Cited by 700 Related articles All 12 versions

Search tip: #6

- Domain searching (site:edu site:gov site:org site:com)
- "climate change" controversy site:edu

Google Scholar "climate change" controversy site:edu

Articles About 38,400 results (0.10 sec)

Any time
Since 2020
Since 2019
Since 2016
Custom range...

Sort by relevance
Sort by date

include patents
 include citations

Create alert

[PDF] Beyond the **controversy**: instructional scaffolds to promote
[D Lombardi](#) - The Earth Scientist, 2016 - sites.temple.edu
... that this is NOT "Teaching the **Controversy**"—and students should understand the scientific perspective on all **controversial** and complex topics. Doing so will prevent teaching non-scientific information to your students (ie, teaching that current **climate change** is caused naturally ...
☆ ⓘ Cited by 26 Related articles All 7 versions ⓘ

[PDF] Science **controversies** past and present
[S Sharwood](#) - Physics Today, 2011 - Citeseer
... Science **controversies** ... cores, erroneous views about natural carbon sources, alleged but unobserved alternative drivers of **climate change**, naive expectations ... mostly receive news on climate filtered through a media that highlights contrarian views and **controversy**, only about ...
☆ ⓘ Cited by 30 Related articles All 7 versions ⓘ

[PDF] What determines student acceptance of politically **controversial** scientific conclusions?
JD Walker, [D Wassenberg](#), [G Franla](#)... - Journal of College ..., 2017 - cbs.umn.edu
... public. Examples of these **controversial** conclusions include evolution in general (both as a fact and a theory), and human evolution specifically; anthropogenic **climate change**; and the safety of childhood vaccinations. In each ...
☆ ⓘ Cited by 12 Related articles All 6 versions ⓘ

[book] **Controversies** in voting behavior
RG Niemi, HF Weisberg, [DC Kimball](#) - 2001 - users.clas.ufl.edu
CONTROVERSIES IN VOTING BEHAVIOR Fifth Edition -> Edited by RICHARD G. NIEMI University of Rochester HERBERT F. WEISBERG Tyler ... were asked for their opinions on ten policy issues including abortion, gay marriage, the war in Iraq, **climate change**, and health ...
☆ ⓘ Cited by 622 Related articles All 2 versions ⓘ

[PDF] ... **controversial** police operations-Examination of several recently exposed cases suggests that the main police targets are anti-globalisation networks, the

[PDF] temple.edu

[PDF] psu.edu

[PDF] umn.edu

[PDF] ufl.edu

[PDF] psu.edu

Search tip: #7

- Avoid truncation. Type out your synonymous terms (OR'ing) without truncating
- Toxic|toxicology|toxicologist|toxicologies
- “Covid 19”|”covid 2019”|covid19|”coronavirus 2019”|”nCoV 2019”|”novel coronavirus”
- | is located above Enter Key and Press Shift
- *Remember:* Google Scholar will automatically AND terms

Search tip: #7

- “Covid 19”|”covid 2019”|covid19|”coronavirus 2019”|”nCoV 2019”|”novel coronavirus”

Google Scholar

“Covid 19”|”covid 2019”|covid19|”coronavirus 2019”|”nCoV 2019”|”novel coronavirus”

Articles About 44,500 results (0.12 sec)

Any time
Since 2020
Since 2019
Since 2016
Custom range...

Sort by relevance
Sort by date

include patents
 include citations

Create alert

[HTML] Isolation of **2019-nCoV** from a stool specimen of a laboratory-confirmed case of the coronavirus disease **2019 (COVID-19)**
Y Zhang, C Chen, S Zhu, C Shu, D Wang... - China CDC ..., 2020 - weekly.chinacdc.cn
... The **novel coronavirus (2019-nCoV)** is spreading very fast in Hubei Province of China ... are considered to be the most important routes of transmission of **2019-nCoV**, but do not fully account for the occurrence of all coronavirus disease **2019 (COVID-19)** cases, previously ...
☆ Cited by 167 Related articles All 2 versions

[PDF] **COVID-19: gastrointestinal manifestations and potential fecal-oral transmission**
J Gu, B Han, J Wang... - Gastroenterology, 2020...
... Page 3. The outbreak of **novel coronavirus (2019-nCoV)** pneumonia initially developed in ... World Health Organization, and subsequently named coronavirus disease **2019 (COVID-19)**. As of February 20, 2020, a total of more than 75,000 cumulative ...
☆ Cited by 596 Related articles All 14 versions Web of Science: 183

A pathological report of three **COVID-19** cases by minimally invasive autopsies
XH Yao, TY Li, ZC He, YF Ping, HW Liu... - Zhonghua bing li xue ..., 2020 - europepmc.org
... Abstract. Objective: To investigate the pathological characteristics and the clinical significance of **novel coronavirus (2019-nCoV)**-infected pneumonia (termed by WHO as corona virus disease **2019, COVID-19**). Methods: Minimally ...
☆ Cited by 408 Related articles All 3 versions

End-stage heart failure with **COVID-19**: strong evidence of myocardial injury by **2019-nCoV**

Remember:

Only 256 characters in GS search box.

Every character after 256 will be deleted and not included in your search

Search tip: #8 Advanced search

Google Scholar

Articles

Case law

Profiles

My profile

My library

Alerts

Metrics

Advanced search

Settings

Advanced search

Find articles

with **all** of the words

with the **exact phrase**

with **at least one** of the words

without the words

where my words occur

anywhere in the article

in the title of the article

Return articles **authored by**

e.g., "PJ Hayes" or McCarthy

Return articles **published in**

e.g., J Biol Chem or Nature

Return articles **dated** between

e.g., 1996

Time to practice!

- Research question:

Search for articles that discuss prevention of anterior cruciate ligament injuries

Click on this link to access Google Doc so everyone can enter their strategies

https://docs.google.com/document/d/1iiHyLghX_fMao-j4FU15PwR1vKG5T0PEAf1y6y7os8s/edit?usp=sharing

Sample searching for ACL and prevention

1. anterior cruciate ligament 268,000
2. “anterior cruciate ligament” 239,000
3. intitle:”anterior cruciate ligament” 33,300
4. intitle:”anterior cruciate ligament” prevention 5,430
5. intitle:”anterior cruciate ligament” intitle:prevention 325
6. (intitle:”anterior cruciate ligament”|intitle:”anterior cranial cruciate ligament”|intitle:acl)(intitle:prevention|intitle:preventive) site:edu 42

Understanding GS results

Mechanisms of anterior cruciate ligament injury

BP Boden, GS Dean, JA Feagin, WE Garrett - Orthopedics, 2000 - healio.com

This study examined the mechanisms of anterior cruciate ligament (ACL) injury. In the first part of the study, using a comprehensive, standardized questionnaire, 89 athletes (100 knees) were interviewed about the events surrounding the injury mechanism ...



Cited by 1854

Related articles

All 7 versions

Import into RefWorks

Use “Cited by” and “related articles” to help find similar citations

Syntax list of resources

- Official Google Syntax list:

<https://scholar.google.com/intl/en/scholar/help.html>

- Unofficial Google Syntax list:

http://www.googleguide.com/advanced_operators_reference.html

Questions?

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