

Quick Guide to Web of Science

Kresge Engineering Library
http://www.lib.berkeley.edu/ENGI

Web of Science indexes over 5,300 of the leading science journals across 164 scientific disciplines within engineering, physical, and life sciences, and provides searching of cited references from 1900 to the present. It also includes the Arts & Humanities Citation Index and the Social Sciences Citation Index.

SEARCHING

Web of Science launches into a basic search screen. The default search is *all words*, meaning it will automatically retrieve articles that contain all of your keywords anywhere within the record.

The screenshot shows the ISI Web of Knowledge search interface. At the top, there is a green header with the text "ISI Web of KnowledgeSM Take the next step" and a circular arrow icon. Below the header, there are navigation tabs: "All Databases", "Select a Database", "Web of Science", and "Additional Resources". Under "Web of Science", there are links for "Search", "Cited Reference Search", "Advanced Search", "Search History", and "Marked List (0)". The main search area is titled "Web of Science®" and contains a "Search for:" section. There are three search fields, each with a dropdown menu for the search field type. The first field contains the text "(low cost* or cheap or sustainable) and irrigat*" and has a dropdown menu set to "Topic". The second field contains "AND" and has a dropdown menu set to "Author". The third field contains "AND" and has a dropdown menu set to "Publication Name". Below the third field, there is a dropdown menu with options: "Topic", "Title", "Author", "Group Author", "Publication Name", "Year Published", "Address", "Language", and "Document Type". There are "Search" and "Clear" buttons at the bottom of the search area. A "Limit to:" section is visible below the search area, with a link to "Change Limits". Annotations with arrows point to the search fields and the "Limit to:" section.

Enter your search terms as a topic search, or use the drop-down menu to change your search fields.

Limit your search by publication date or database.

Add more fields to make complex searches.

Search Operators (Booleans)

To override the default search, use Boolean operators. Enclose exact phrases in **quotation marks** (" "). Nest search operators inside parentheses.
AND finds records that contain both your search terms.
OR finds records that contain at least one of your search terms.
NOT finds records that contain your first search term but not your second.

Truncation Symbols

Use truncation symbols to find variant endings and spellings of your search terms.
* replaces an unlimited number of characters
irrigat* = irrigate, irrigates, irrigation
? replaces one character
gr?y = gray, grey
\$ replaces zero or one character
cell\$ = cell, cells, cello, but not cellophane

AUTHOR SEARCHING

Web of Science allows you to find all articles by a particular author using their **Author Search** feature. Find author names by entering the last name first, followed by a space and up to five initials. For example, to find articles by Ronald Gronsky, enter **gronsky r*** and change the drop-down menu to **author**.

The screenshot shows the ISI Web of Knowledge search interface. The "Search for:" section has a search field containing "gronsky r*" and a dropdown menu set to "Author". Below the search field, there is an example: "Example: O'Brian C* OR OBrian C*" and a link to "Need help finding papers by an author? Use Author Finder."

To find authors with a compound name or a name containing particles, search both the fused and unfused versions of the name. For example, search for Lutgard De Jonghe as **dejonghe l* OR de jonghe l***

SEARCH RESULTS

Search results are displayed in reverse chronological order by default. Change the order by using the “Sort by” drop down menu on the top right of the screen.

Web of Science®
Results Topic=("(low cost" or cheap or sustainable) and Irrigat*)
 Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI.

Results: **983** Page 1 of 99 Sort by: Latest Date

Sort up to 100,000 records by Latest Date, Times Cited, Relevance, Publication Year, Source Title, or First Author.

Refine your results by selecting subject areas, document types, Authors, Source Titles, Publication Years, Institutions, Languages, or Countries

Analyze your results to see patterns and trends

See how many times an article has been cited

Use the UC-eLinks button to locate the text of an article, either online or in print.

Refine Results

Search within results for

Subject Areas Refine

- WATER RESOURCES (340)
- ENVIRONMENTAL SCIENCES (210)
- AGRONOMY (194)
- AGRICULTURE, MULTIDISCIPLINARY (110)
- SOIL SCIENCE (93)
- more...

Document Types Refine

- ARTICLE (912)
- REVIEW (59)
- EDITORIAL MATERIAL (5)
- BOOK REVIEW (2)
- MEETING ABSTRACT (2)
- more...

Authors

Source Titles

Publication Years

Institutions

Languages

Countries/Territories

For more advanced refine options, use [Analyze Results](#)

Print E-mail Add to Marked List Save to EndNote Web more Analyze Results Create Citation Report

- Title: Environmental risks of urban agriculture in the Lake Victoria drainage basin: A case of Kisumu municipality, Kenya
 Author(s): Mireni C, Atekyereza P, Kyessi A, et al.
 Source: HABITAT INTERNATIONAL Volume: 31 Issue: 3-4 Pages: 375-386 Published: SEP-DEC 2007
 Times Cited: 0
[UC-eLinks](#)
- Title: Sustainable agriculture and eradication of rural poverty in Pakistan
 Author(s): Bhutto AW, Bazmi AA
 Source: NATURAL RESOURCES FORUM Volume: 31 Issue: 4 Pages: 253-262 Published: NOV 2007
 Times Cited: 0
[UC-eLinks](#)
- Title: Improving food security in Swaziland: The transition from subsistence to Communitally managed cash cropping
 Author(s): Terry A, Ryder M
 Source: NATURAL RESOURCES FORUM Volume: 31 Issue: 4 Pages: 263-272 Published: NOV 2007
 Times Cited: 0
[UC-eLinks](#)
- Title: Profitability and production constraints in dry season Amaranth production in Edo South, Nigeria
 Author(s): Emokaro CO, Ekwunwe PA, Osifo A
 Source: JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT Volume: 5 Issue: 3-4 Pages: 281-283 Published: JUL-OCT 2007
 Times Cited: 0
[UC-eLinks](#)
- Title: Spatial variability of topsoil salinity in the lower reaches of Zerka River, Central Jordan Valley
 Author(s): Tahboub AA, Abbassi BE, Ta'any RA, et al.
 Source: JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT Volume: 5 Issue: 3-4 Pages: 368-373 Published: JUL-OCT 2007
 Times Cited: 0

ANALYZE RESULTS

Using Analyze Results, you can see which authors have published most prolifically or which institutions generate the most research in your topic. In our example, we've analyzed which subject areas occur the most frequently in our results set.

Select your criteria for ranking

Rank the records by this field: Language Publication Year Source Title **Subject Area**

Analyze: Up to 500 records.

Set display options: Show the top 10 results. Minimum record count (threshold): 2

Sort by: Record count Selected field

Analyze

Analyze up to 100,000 records

Use the checkboxes below to view the records.
Note: The number of records displayed may be greater than the listed Record Count if the original set contained more records than the number of records analyzed.

Select subject areas to view records

<input type="checkbox"/>	Field: Subject Area	Record Count	% of 500	Bar Chart	<input type="checkbox"/>
<input type="checkbox"/>	WATER RESOURCES	194	38.8000 %	<div style="width: 38.8%;"></div>	<input type="checkbox"/>
<input type="checkbox"/>	AGRONOMY	108	21.6000 %	<div style="width: 21.6%;"></div>	<input type="checkbox"/>
<input type="checkbox"/>	ENVIRONMENTAL SCIENCES	108	21.6000 %	<div style="width: 21.6%;"></div>	<input type="checkbox"/>
<input type="checkbox"/>	AGRICULTURE, MULTIDISCIPLINARY	53	10.6000 %	<div style="width: 10.6%;"></div>	<input type="checkbox"/>
<input type="checkbox"/>	GEOSCIENCES, MULTIDISCIPLINARY	49	9.8000 %	<div style="width: 9.8%;"></div>	<input type="checkbox"/>
<input type="checkbox"/>	SOIL SCIENCE	42	8.4000 %	<div style="width: 8.4%;"></div>	<input type="checkbox"/>
<input type="checkbox"/>	ENGINEERING, CIVIL	30	6.0000 %	<div style="width: 6.0%;"></div>	<input type="checkbox"/>
<input type="checkbox"/>	ENGINEERING, ENVIRONMENTAL	27	5.4000 %	<div style="width: 5.4%;"></div>	<input type="checkbox"/>
<input type="checkbox"/>	AGRICULTURAL ENGINEERING	24	4.8000 %	<div style="width: 4.8%;"></div>	<input type="checkbox"/>
<input type="checkbox"/>	METEOROLOGY & ATMOSPHERIC SCIENCES	24	4.8000 %	<div style="width: 4.8%;"></div>	<input type="checkbox"/>

View Records Save Analysis Data to File