# Web of Science 8.0

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### Introduction – Web of Science

- Web interface to:
- Science Citation Index Expanded
- Social Sciences Citation Index
- Arts & Humanities Citation Index
- Conference Proceedings Citation Index Science
- Conference Proceedings Citation Index Social Science and Humanities
- Cover-to-cover indexing of over 10,000 journals, 120,000 conferences
- Powerful bibliographic and cited reference search capabilities, together with the benefits of cited reference linking and navigation.

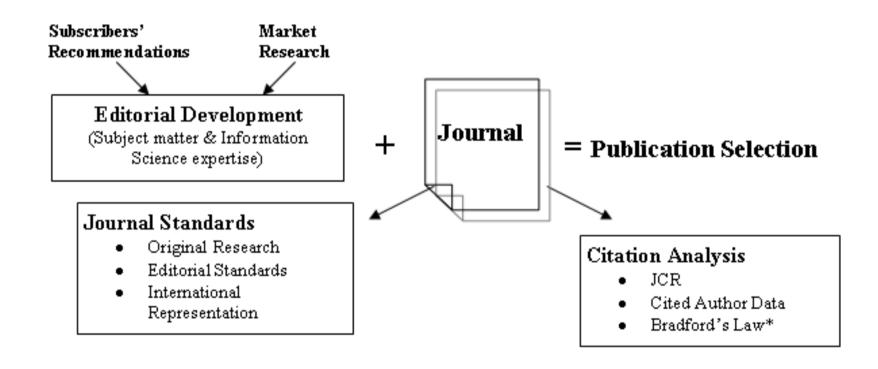


# Journal Coverage

	Covered Journals	New Records Weekly	New Cited References Weekly
Science Citation Index Expanded	8,060	24,100	455,900
Social Sciences Citation Index	2,697	3,033	71,400
Arts & Humanities Citation Index	1,470	1,925	16,500

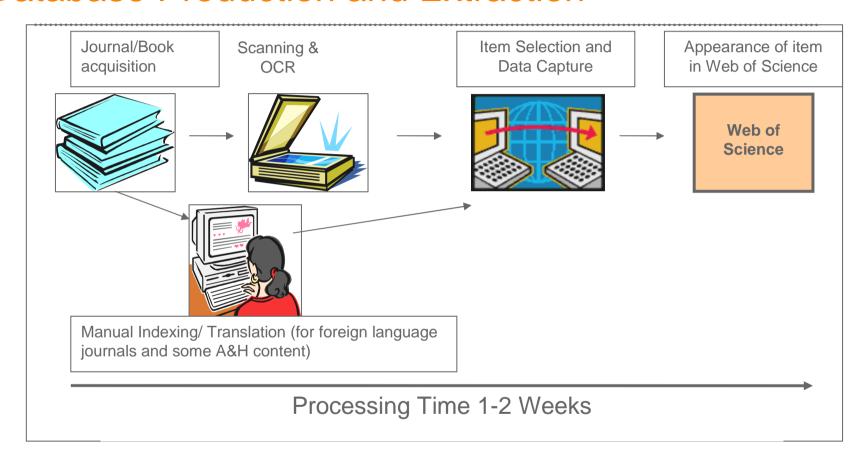


### **Publication Selection**





### **Database Production and Extraction**



Data file is updated weekly



## Document Types - Cover to Cover Indexing

.....

#### **All Files**

Article

Bibliography

Biographical Item

**Book Review** 

Correction

**Database Review** 

**Editorial Material** 

Hardware Review

Letter

Meeting Abstract

News Item

Proceedings Paper

Reprint

Review

Software Review

#### **Arts & Humanities Only**

Art Exhibit Review

**Dance Performance Review** 

Excerpt

Fiction Creative Prose

Film Review

Music Performance Review

Music Score

Music Score Review

Poetry

Record Review

Script

**Theater Review** 

TV Review

Radio Review



Web of Science® - now with Conference P	roceedings Full Bibliograp	
<< Back to results list	◀ Record 36 of 887 ►	
Prenatal viral infection leads to pyram of autism and schizophrenia  Full Text  Links  NCBI  Holdings  Go	Print (E-mail) (Add to Marked List) (Save to EndNote Web) (Samore options	nam
Author(s): Fatemi SH, Earle J, Kanodia R, Kist D, Emai	mian ES, Patterson PH, Shi LM, Sidwell R	
Source: CELLULAR AND MOLECULAR NEUROBIOLO	GY Volume: 22 Issue: 1 Pages: 25-33 Published: FEB 2002	
Times Cited: 73 References: 28 SEE Citation Map		
cell density, pyramidal nuclear area, and overall brain s cell density increased significantly (p < 0.0038) by 1709 vs. controls albeit, nonsignificantly. Pyramidal cell nucle week-old exposed mice continued to show significant i (exposed group 1), p < 0.0279 E2 (exposed group 2) py cell nuclear size exhibited 37-43% reductions when cor and ventricular area measurements in adult exposed n exhibited 38-50% decreases in exposed mice vs. contr control and exposed groups, nonpyramidal cell growth pregnant mice on Day 9 of pregnancy to a sublethal intit developing brain structure in the progeny as evident by	re to human influenza virus (H1N1) in C57BL/6 mice on Day 9 of pregna size in Day 0 neonates and 14-week-old progeny and compared them to & in Day 0 infected mice vs. controls. Nonpyramidal cell density decreas ear size decreased significantly (p < 0.0465) by 29% in exposed newbon increases in both pyramidal and nonpyramidal cell density values vs. co yramidal cell density, p < 0.0092 E1, p < 0.0252 E2, nonpyramidal cell den mpared to control values; these were statistically significant vs. controls nice also showed significant increases and decreases respectively rols. While the rate of pyramidal cell proliferation per unit area decreases rate increased only in the exposed adult mice. These data show for the ranasal administration of influenza virus has both short-term and long-la altered pyramidal and nonpyramidal cell density values; atrophy of pyra ver, abnormal corticogenesis is associated with development of abnorm	sham-infected cohorts. Pyramidal sed by 33% in Day 0 infected progeny m mice vs. controls. For mitrols respectively (pensity). By the same to (p < 0.04 E1 n < 0.04 ft. n < 0.04 E1 n < 0.04 ft. n < 0.04 E1 n < 0
Document Type: Article		
Language: English		
Author Keywords: human influenza virus; prenatal exp	osure; pyramidal cell atrophy; macrocephaly; autism; schizophrenia	
KeyWords Plus: NEONATAL MICE; REELIN IMMUNOR DISORDERS; REDUCTION; EXPOSURE	EACTIVITY; MAJOR DEPRESSION; NNOS EXPRESSION; IN-UTERO; AI	UTOANTIBODIES; HIPPOCAMPUS;
Reprint Address: Fatemi, SH (reprint author), Univ Minr 55455 USA	nesota, Sch Med, Dept Psychiat, Div Neurosci Res, Box 392 Mayo Bldg,4	420 Delaware St SE, Minneapolis, MN
Addresses:  1. Univ Minnesota, Sch Med, Dept Psychiat, Div Neuros 2. Univ Minnesota, Dept Neurosci, Minneapolis, MN 55- 3. CALTECH, Dept Biol, Pasadena, CA 91125 USA 4. Utah State Univ, Inst Antiviral Res, Logan, UT 84322	455 USA	
Publisher: KLUWER ACADEMIC/PLENUM PUBL, 233 S	SPRING ST, NEW YORK, NY 10013 USA	Author affiliati
Subject Category: Cell Biology; Neurosciences	72 50	with the publis
IDS Number: 550CZ		address is list
ISSN: 0272-4340		4 1 1 <del>-</del> 1

All author names (complete last name and up to 5 initials) are indexed and searchable.

The complete author abstract is indexed and searchable.

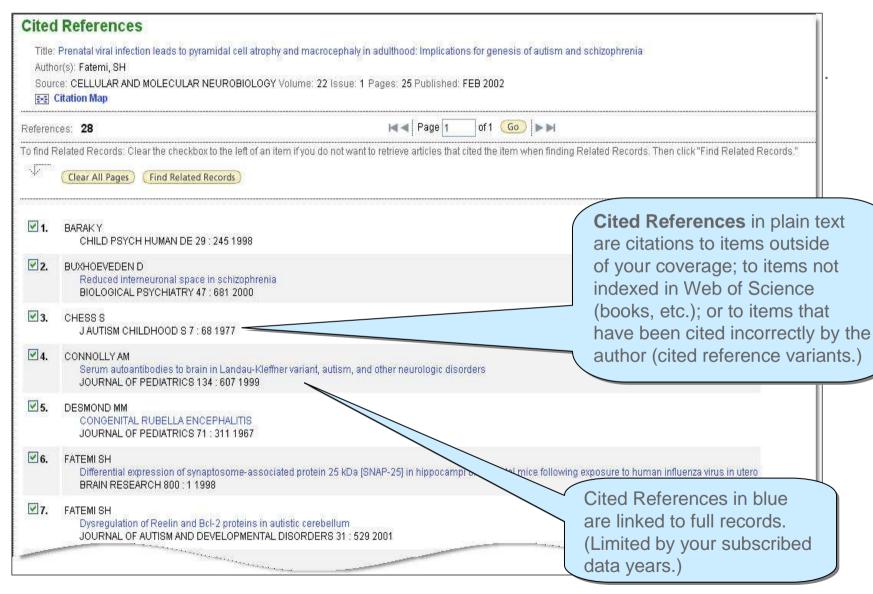
Author Keywords are indexed when included with the published item. KeyWords Plus are harvested from the titles of the cited articles.

Author affiliations are indexed when available with the published item. The reprint author's address is listed as the first address in the field. The reprint author e-mail address will be displayed when available.



# Full Record / Elements

Author name	All authors indexed and searchable – last name and up to 5 initials
Title	Complete article title as published. Non-English titles translated into US English
Source Information	Journal title, Volume, Issue, Page Range, Date
Abstract	Full author abstract. Foreign language abstract are not indexed.
Author Keywords	When included in original publication
KeyWords Plus	Selected from titles of cited references
Address	Author affiliations are captured when provided. First line of address field lists reprint author address





# Cited Reference Components – Journal Article

Cited Author	15 Characters of the first author's surname, a space, and three initials (generational designations are not indexed)
Cited Work	The title of the journal cited, limited to a standardized 20 character abbreviation
Cited Year	Year of publication, as cited.
Volume	Volume number, as cited, limited to 4 characters
Page	Beginning page number as cited, limited to 5 characters. Article numbers will be indexed for those journals not publishing with page numbers.



# Cited Reference Components – Books

.....

Cited Author	15 Characters of the first author's surname, a space, and three initials (generational designations are not indexed)
Cited Work	The title of the journal cited, limited to a standardized 20 character abbreviation
Cited Year	Year of publication, as cited.
Page	If cited, limited to 4 characters

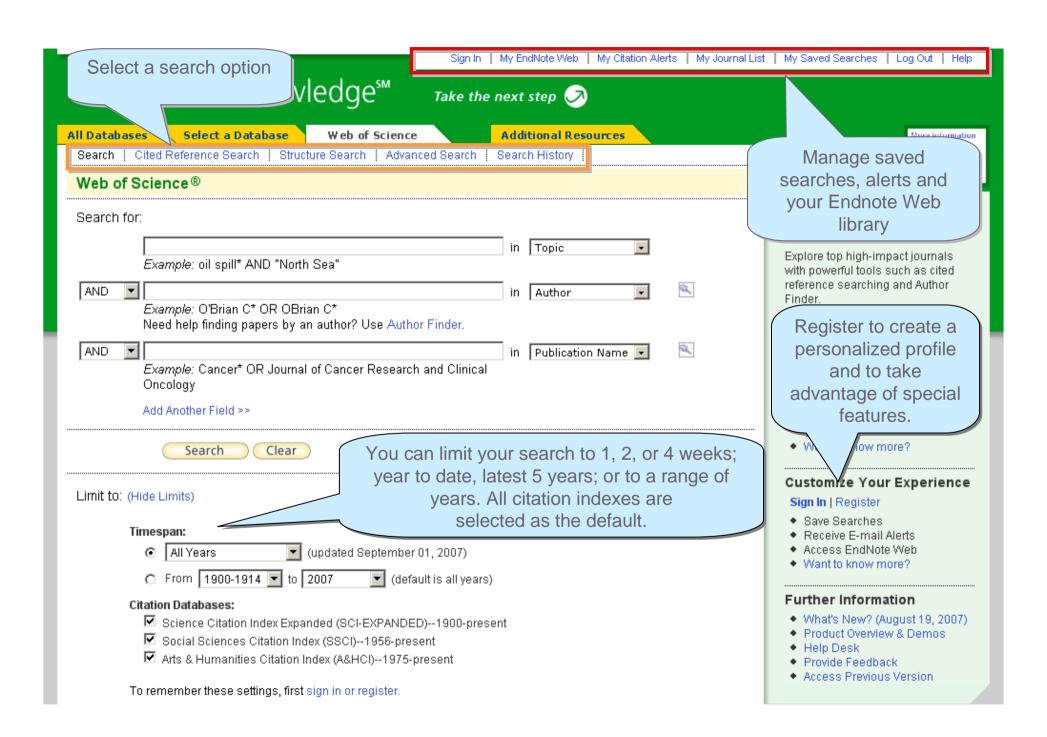


# Cited Reference Components – Patent

.....

Cited Author	Patent assignee – personal name or organization acronym
Cited Work	Patent number without the country or kind code. Country code will display in the Volume field.
Cited Year	Year, as cited.





## **Topic Search**

#### Fields searched as a Topic Search:

	SCIE	<u>SSCI</u>	<u>AHCI</u>
Title words	All Years	All Years	All Years
Author keywords	1991	1991	1991
KeyWords Plus	1991	1991	1991
Author abstracts	1991	1992	2000

Enter search terms and phrases in the topic field, using tools like truncation and Boolean operators to enhance your statement.

#### Example:

("el nino" or elnino or enso) and (plankton\* or phytoplankton\*) and 199\*



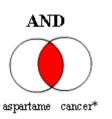
# **Truncation**

Symbol	Retrieves
*	Zero or more characters
\$	Zero or one character
?	One character only



## **Boolean Operators**

.....



All search terms must occur to be retrieved.

**TOPIC:** aspartame AND cancer\*

Retrieves documents that contain both aspartame and cancer\*.



Any one of the search terms must occur to be retrieved. Use when searching variants and synonyms.

**TOPIC:** aspartame OR saccharine OR sweetener\*

Retrieves documents that contain at least one of the terms.



Excludes records that contain a given search term.

**TOPIC: aids NOT hearing** 

Retrieves documents with aids, excluding any which also contain hearing.

# **Proximity Operators**

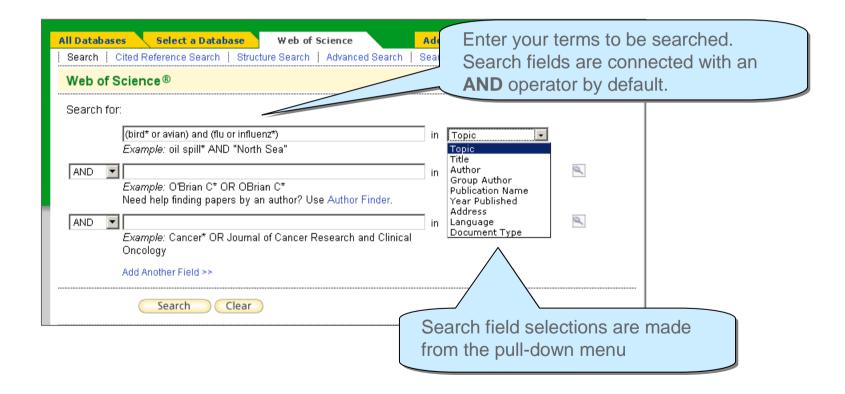
Phrase Searching	By default, there is an implied <b>AND</b> connecting terms entered as a phrase and searching a phrase retrieves records that contain all searched terms found in the titles, abstract or key words fields. Exact matches for phrases can be found by searching on the terms enclosed in quotation marks (""), <b>Note:</b> This search rule applies to Topic searches using Quick, General, or Advanced Search. Truncation can be used inside quotation marks. <b>Topic:</b> electromagnetic field = electromagnetic AND field <b>Topic "electromag* field" = electromagnetic field</b>
Same	Terms must occur within the same sentence, where "sentence" is generally a period-delimited string, in any order. In keyword fields, the SAME operator will retrieve records with search terms in the same keyword phrase.



### **Topic Search**

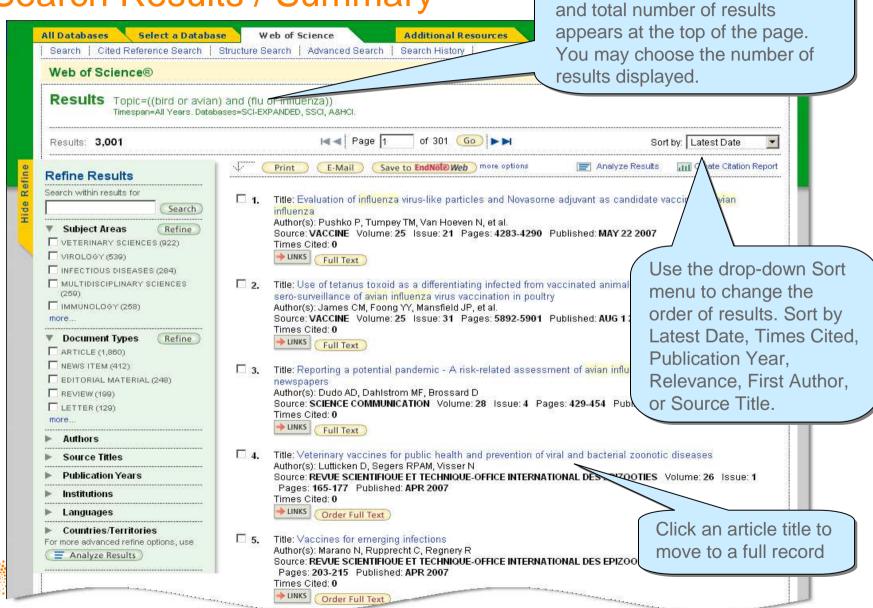
.....

#### Example: (bird\* or avian) and (flu or influenz\*)



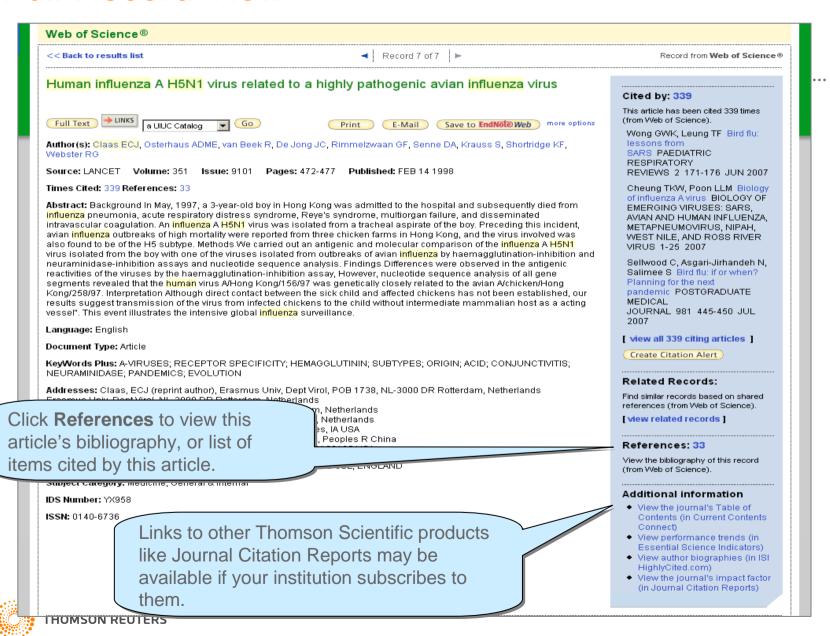


### Search Results / Summary

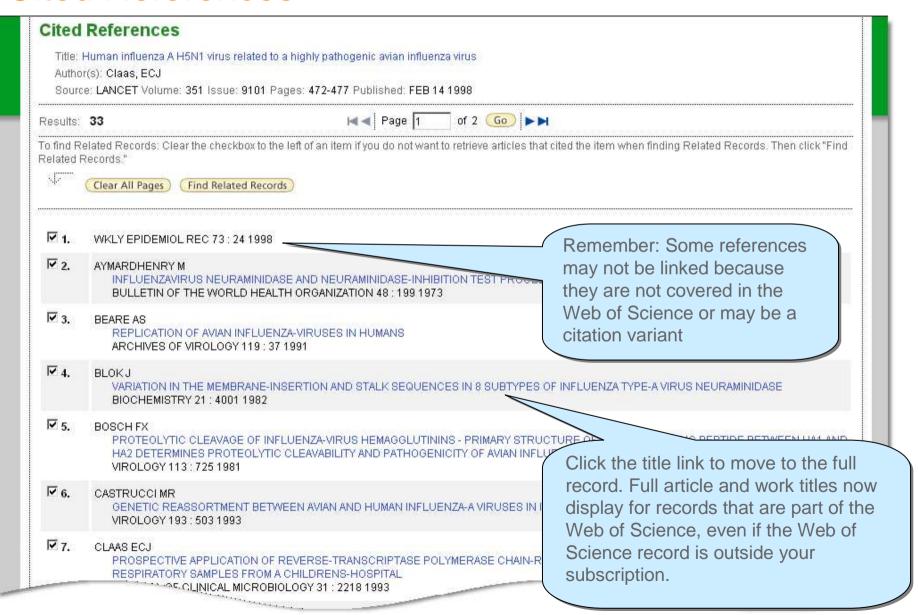


Your search statement

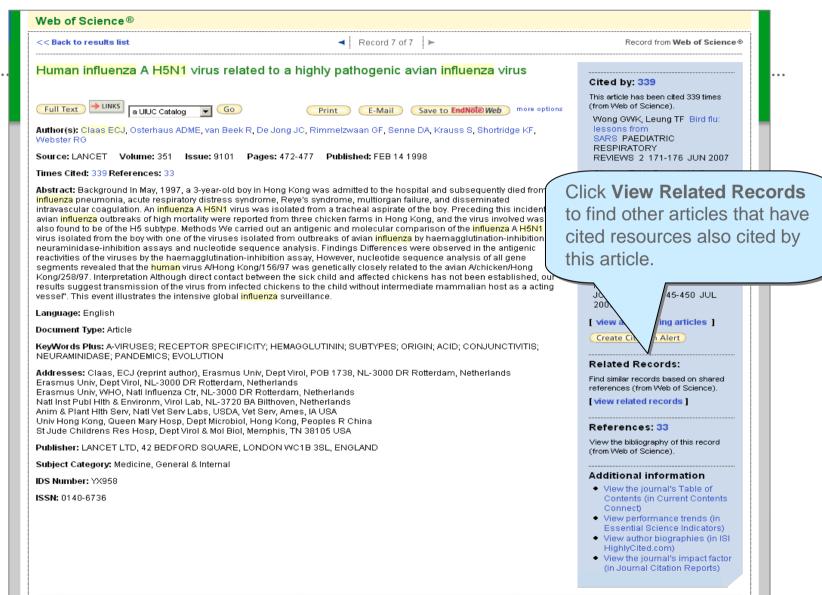
### **Full Record View**



### Cited References

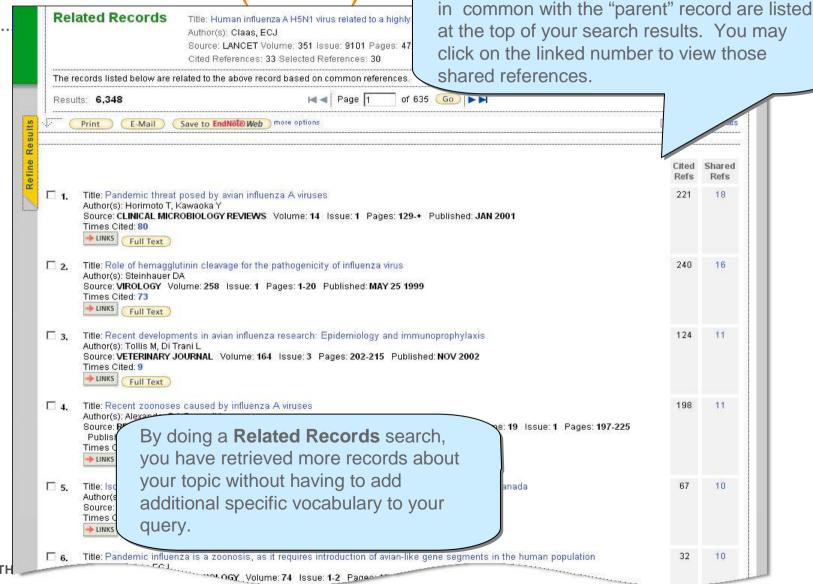


### Related Records





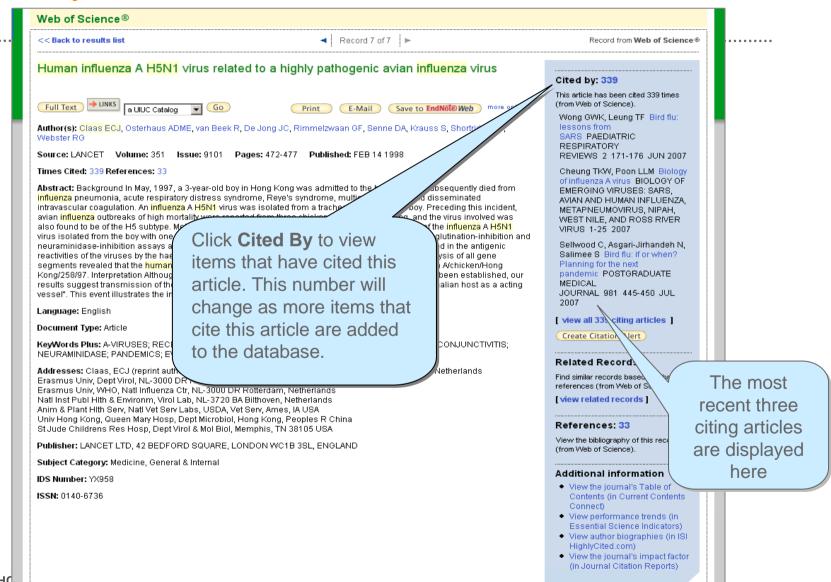
### Related Records (cont'd)



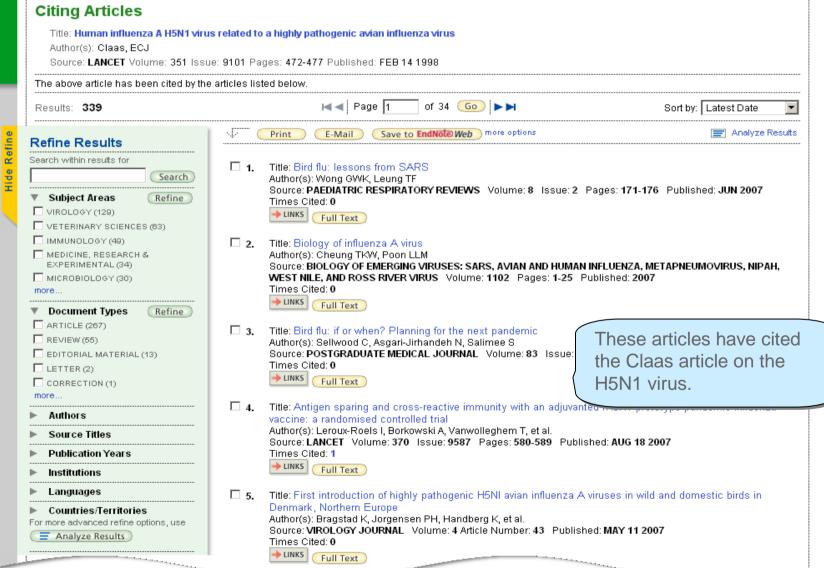
Related Records results are sorted so that

those records that share the most references

# Cited By

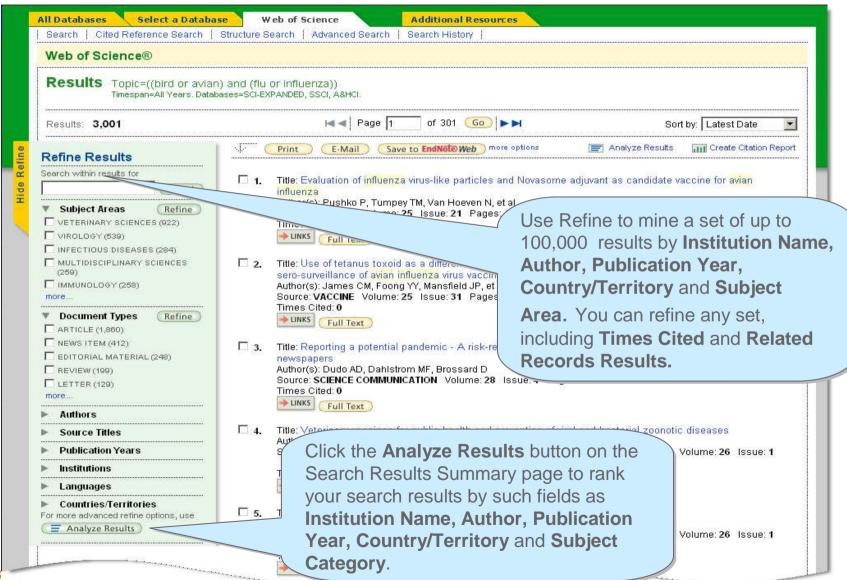


## Cited By





### Refine and Analyze Results

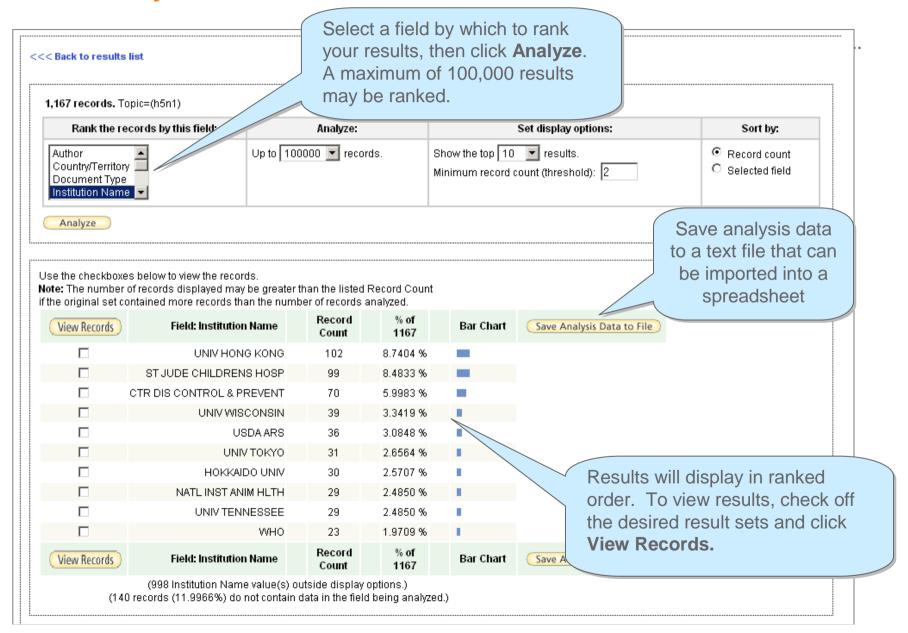




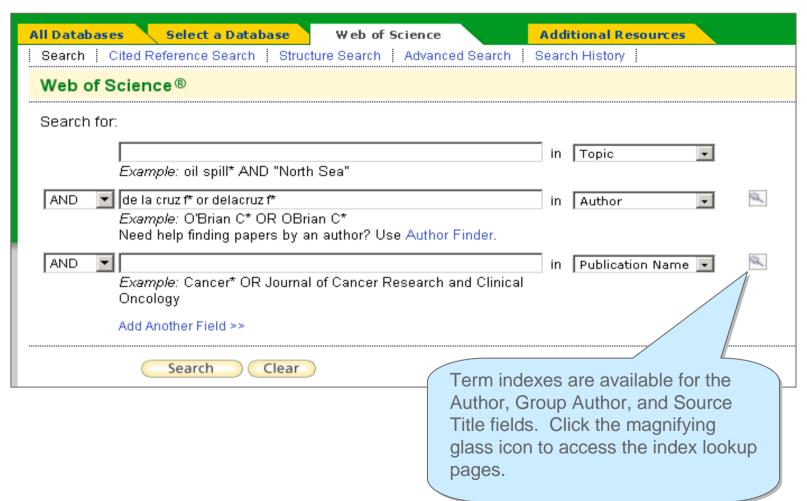
## Refine Results

Refine Results	Subject Areas Refine Can	cel	
Search within results for	The first 100 Subject Areas (sorted by rec	ord count) are shown. For more options, use	Analyze results
(Search)	☐ VIROLOGY (129)	□ BIOLOGY(7)	CHEMISTRY, MULTIDISCIPLINARY(1)
Subject Areas	VETERINARY SCIENCES (63)	RESPIRATORY SYSTEM (7)	☐ DERMATOLOGY(1)
/	☐ IMMUNOLOGY (49)	CELL BIOLOGY (6)	EMERGENCY MEDICINE (1)
▼ Document Types (Refine)	MEDICINE, RESEARCH & EXPERIMENTAL (34)	PEDIATRICS (6)	ENGINEERING, CHEMICAL (1)
☐ ARTICLE (267) ☐ REVIEW (55)	☐ MICROBIOLOGY (30)	GENETICS & HEREDITY (5)	FOOD SCIENCE & TECHNOLOGY (1)
EDITORIAL MATERIAL (13)	MEDICINE, GENERAL & INTERNAL (27)	PATHOLOGY (4)	HEALTH CARE SCIENCES & SERVICES (1)
LETTER(2)	☐ INFECTIOUS DISEASES (25)	BIOCHEMICAL RESEARCH METHODS (3)	1 A Control of the Co
CORRECTION (1)	☐ BIOTECHNOLOGY & APPLIED MICROBIOLOGY (21)	CRITICAL CARE MEDICINE (3)	HUMANITIES, MULTIDISCIPLINARY(1)
► Authors	MULTIDISCIPLINARY SCIENCES (18)	PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (3)	MEDICAL LABORATORY TECHNOLOGY (1)
► Source Titles	☐ BIOCHEMISTRY & MOLECULAR BIOLOGY (16)	☐ BIOPHYSICS (2)	ONCOLOGY(1)
► Publication Years	PHARMACOLOGY & PHARMACY (13)		
► Institutions	Refine Cancel		
► Languages			
Countries/Territories For more advanced refine options, use		Clicking the more	. link will
■ Analyze Results		display up to 100 ite	
		Select the sets of re	esuits you
Results: 339		would like to see, the	nen click

### **Analyze Results**

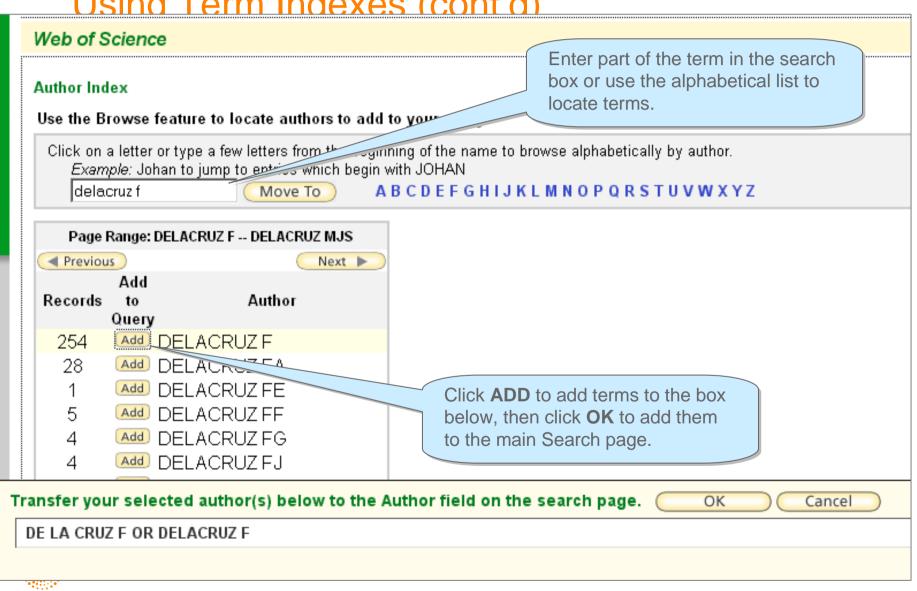


## **Using Term Indexes**





Using Term Indexes (cont'd)

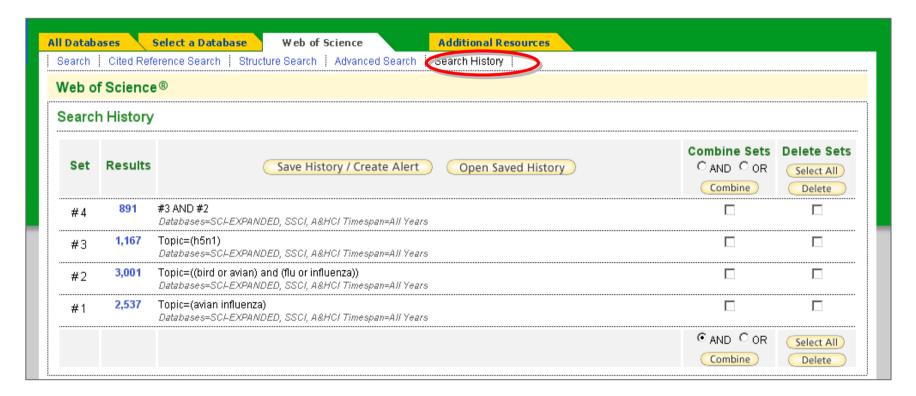


# **Search History**

Search statements are maintained in a search history

Combine sets using Boolean operators

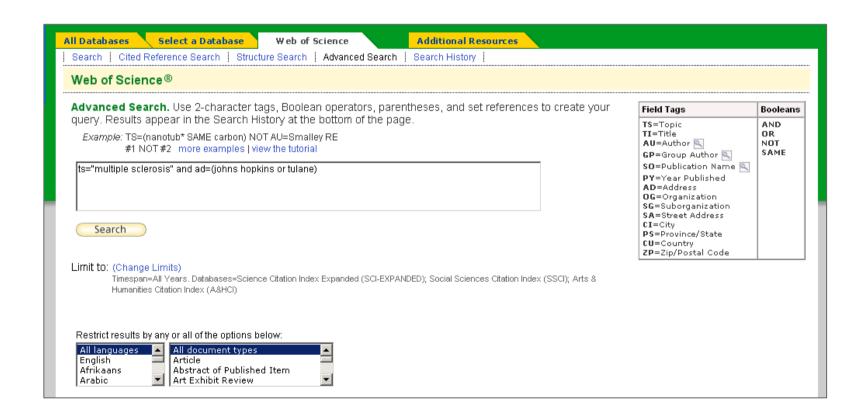
Up to 20 sets can be saved as a history.





### **Advanced Search**

Allows you to create complex queries using two-character field tags and set combinations



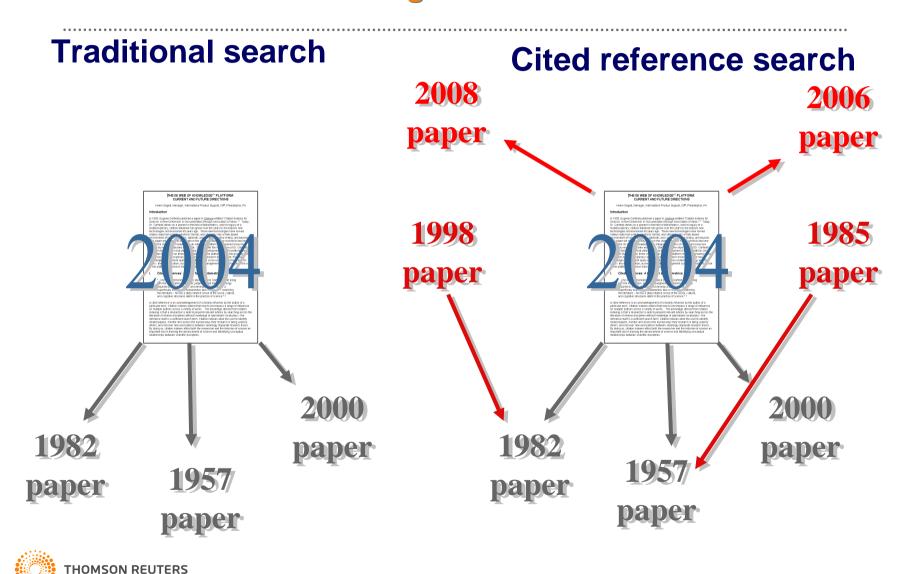


### **Cited Reference Searching - Benefits**

- Allows you to move forward and backward in time, discovering relationships between published works as determined by the articles authors
  - Find new, unknown information based on older, known information
  - Track use of your research or a competitor's research
  - Backward through "Cited References"
- Uses cited references as subject terms
- Explore hidden connections between research papers.



### **Cited Reference Searching**



#### **Cited Reference Search – Journal Article**

.....

Rosi, NL; Eckert, J; Eddaoudi, M; Vodak, DT; Kim, J; O'Keeffe, M; Yaghi, OM. "Hydrogen storage in microporous metal-organic frameworks." *SCIENCE*, 300 (5622): 1127-1129, May 16, 2003.

This article as a cited reference (cited by other articles in Web of Science):

Cited Author Cited Work Year Volume Page

**ROSI NL SCIENCE 2003 300 1127** 

#### **Search Statement:**

Cited Author = rosi n\*

Cited work = science\*



#### **Cited Reference Search – Journal Article**

.....

M.A. Marra, S.J.M. Jones, C.R. Astell, et al. "The genome sequence of the SARS-associated coronavirus ." *SCIENCE*, 300 (5624): 1399-1404, May 30, 2003.

This article as a cited reference (cited by other articles in Web of Science):

Cited Author Cited Work Year Volume Page

MARRA MA SCIENCE 2003 300 1399

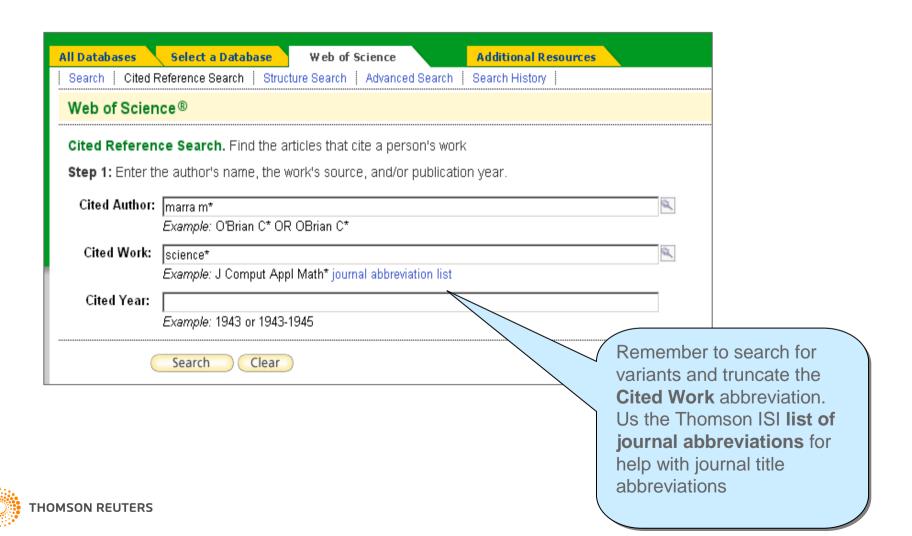
#### **Search Statement:**

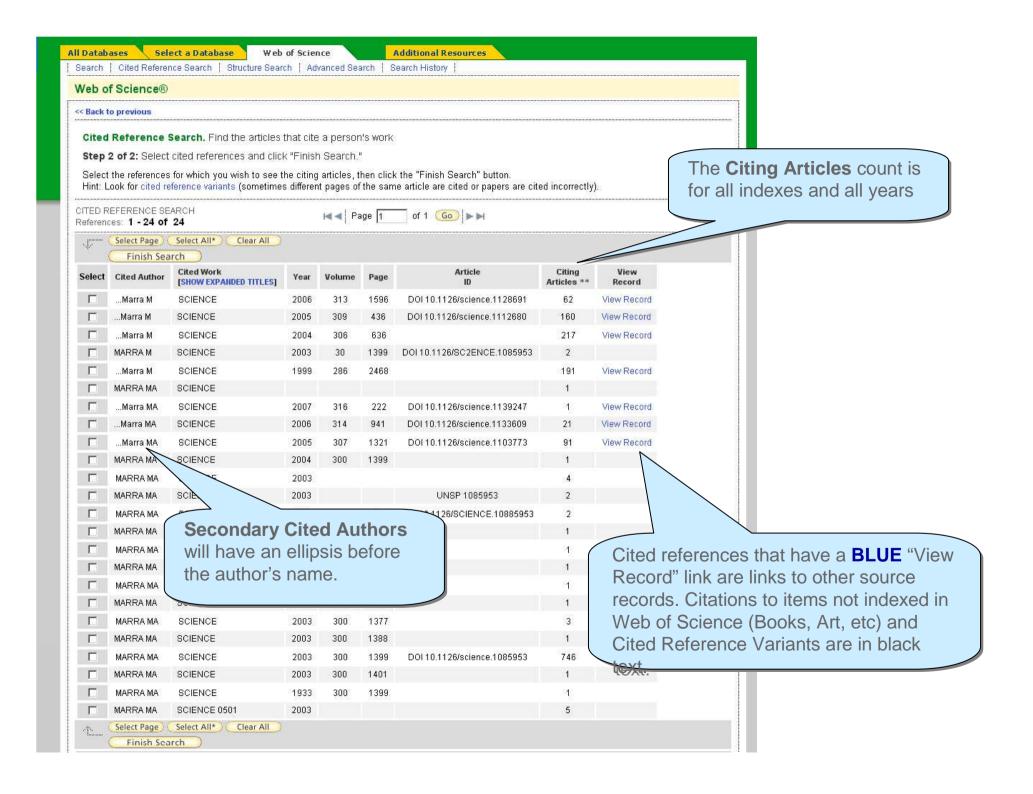
Cited Author = marra m\*

Cited work = science\*

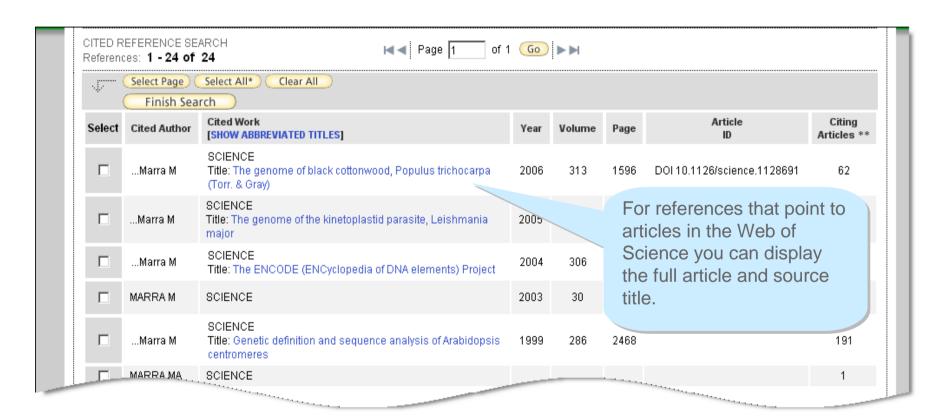


#### **Cited Reference Search**





### Cited Reference Look-up table





#### Cited Reference Look-up Table

**Times Cited** = number of times a reference has been cited by all other works included in the entire Web of Science database

**Cited Author** = Cited Author's last name and initials (may be a secondary author – remember to search for variants.)

**Cited Work** = Cited Work abbreviation – limited to 20 characters.

**Cited Volume** = Volume number as cited.

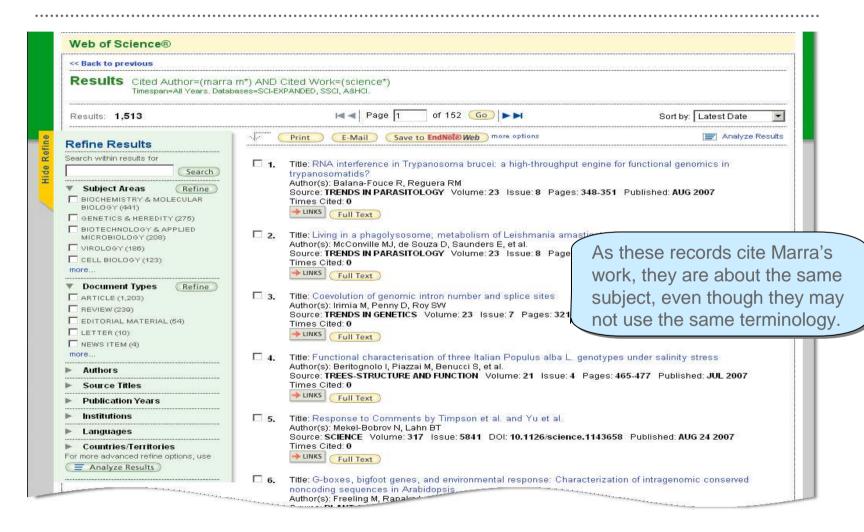
**Cited Page** = Page as cited. Will be the first page number if a page range is cited.

**Cited Year** = Year as cited.

Remember, full article and source titles may be displayed for articles that are indexed in the Web of Science.

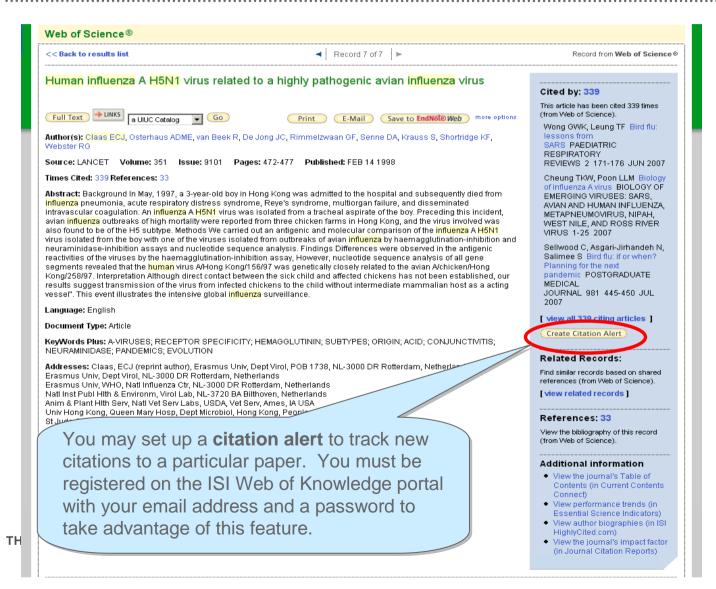


#### Cited Reference Search / Results





#### **Citation Alert**







Citation Alerts Save Confirmation

This article has been successfully added to your list.
You will automatically receive an e-mail alert every time the article is cited.
To change the alert settings, access Citation Alerts and click the "Modify Settings" button.

Product: Web of Science
Record: Claas, ECJ. Human influenza A H5N1 virus related to a highly power avian influenza virus

Send Me E-mail Alerts: Yes

E-mail address: tracy.matthews@thomson.com
E-mail format: Plain Text
Expiration date: 06 Sep 2008

RSS Feed: XML

Done

You will receive a confirmation that the alert was created. When new citing articles are added to Web of Science, you will receive an email notification.

The alert information displays in the My Citation Alerts section of the Web of Knowledge when you are signed in. Your alerts, which expire after one year, may be renewed from this page





## **Secondary Cited Authors**

Secondary Cited Authors are searched for all data years to which your institution subscribes.

The Cited Reference look-up table includes an ellipsis prior to the cited author's name to indicate a secondary author.

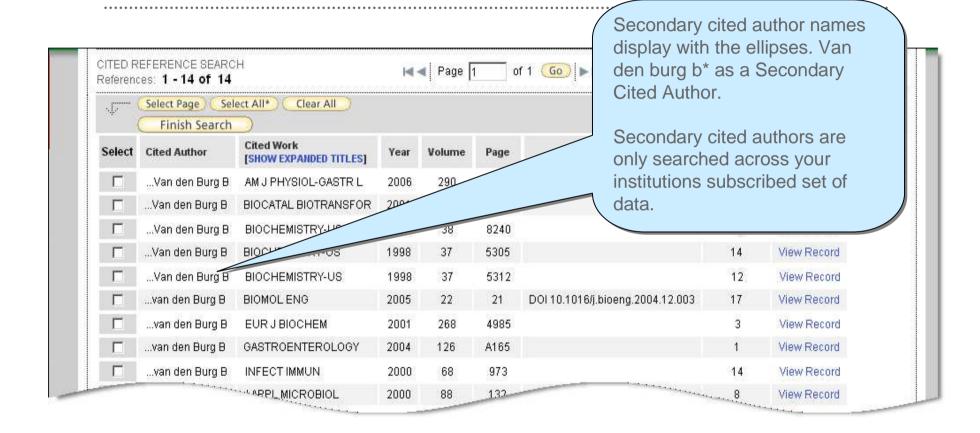
Cited reference variants are not found with the Secondary Author. (Search using first author's name to find variants.)

When cited author names are indexed, all punctuation and spaces are stripped from the author's last name. However, because the search engine searches source record data for secondary authors, it is best to search both forms of the author's name

(Example: Cited author = vandenburg b\* or van den burg b\*)

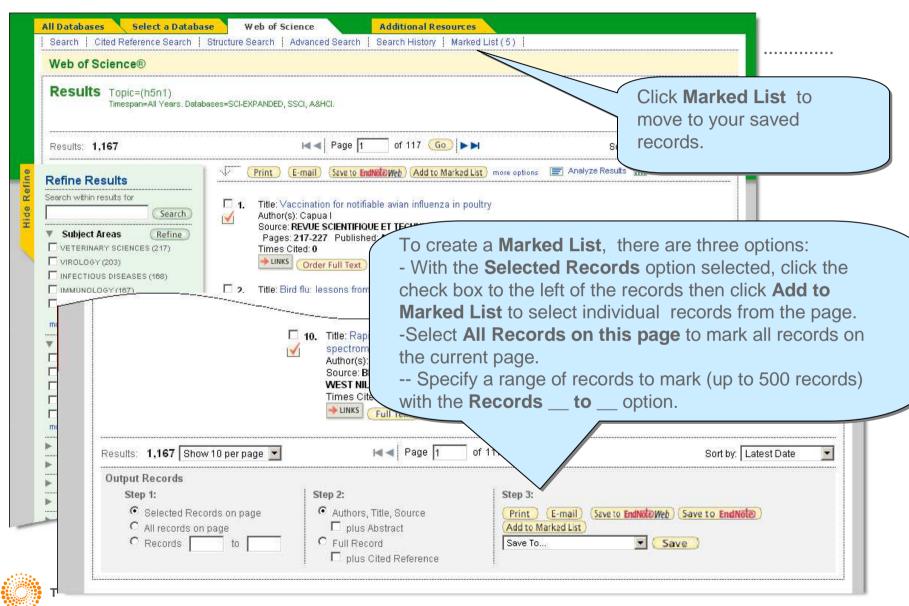


## **Secondary Cited Authors**

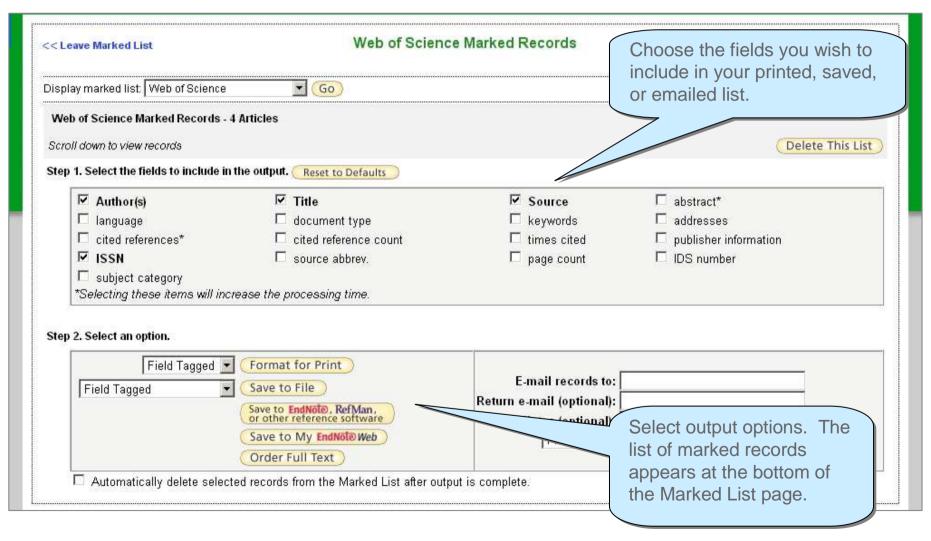




# Marking Records



## Working with the Marked List





### Working with the Marked List (cont.)



Deselecting records will not delete them from the list, but will prevent them from being printed, emailed, or downloaded.



# Marked List / E-mailing Records

1. Select the fields to include i	in the output. 🦪	Reset to Defaults		
✓ Author(s)	₽T		✓ Source	□ abstract*
□ language		locument type	□ keywords	□ addresses
□ cited references*		cited reference count	☐ times cited	publisher information
<b>▽</b> ISSN		source abbrev.	page count	□ IDS number
subject category				
*Selecting these items will in	crease the pro	ocessing time.		
Field Tagged		or Print	E mail records to:	dan sachlar@thamsan.com
**************************************	▼ Format f	for Print		
2. Select an option.  Field Tagged  Field Tagged	Format f		i i	don.sechler@thomson.com
Field Tagged	Save to F	File	Return e-mail (optional):	don.sechler@thomson.com tracy.matthews@thomson.com
Field Tagged  Field Tagged  Jse care when typin	Save to F	nail address as there	Return e-mail (optional):  Notes (optional):	tracy.matthews@thomson.com
Field Tagged	Save to F	nail address as there	Return e-mail (optional):  Notes (optional):  Plain Text	100
Field Tagged  Field Tagged  Jse care when typing no notification if the	Save to Fing the e-mail	nail address as there is undelivered.	Return e-mail (optional):  Notes (optional):  Plain Text	tracy.matthews@thomson.com
Field Tagged  Field Tagged  Jse care when typin	Save to Fing the e-mail dress in the save to Final state of the Final state of the save to Final state	nail address as there is undelivered. he "From" field.	Return e-mail (optional):  Notes (optional):  Plain Text  Plain Text  HTML	tracy.matthews@thomson.com



# Marked List / Printing Records

Step 2. Select an option. Field Tagged 🔻 Format for Print E-mail records to: don.sechler@thomson.com Field Tagged Bibliographic Save to File Return e-mail (optional): tracy.matthews@thomson.com RefMan, Notes (optional): Save to My EndNo Plain Text 🔻 E-mail Order Full Text Use the pull down menu to Automatically delete selected records from the Marked List after output select Field Tagged or Bibliographic format, then click the Format for Print button.



## Marked List/Printing Records (cont.)

Back to Results

ISI Web of Knowledge Page 1 (Records 1 -- 4) **∢**[1]►

Print This Page

#### Record 1 of 4

Author(s): Capua, I (Capua, I.)

Title: Vaccination for notifiable avian influenza in poultry

Source: REVUE SCIENTIFIQUE ET TECHNIQUE-OFFICE INTERNATIONAL DES EPIZOOTIES, 26 (1): 217-227 APR 2007

ISSN: 0253-1933

Click the **Print** button to print the records in your list.

#### Record 2 of 4

Author(s): Wong, GWK (Wong, Gary W. K.); Leung, TF (Leung, Ting F.)

Title: Bird flu: lessons from SARS

Source: PAEDIATRIC RESPIRATORY REVIEWS, 8 (2): 171-176 JUN 2007

ISSN: 1526-0542

#### Record 3 of 4

Author(s): Ong, AK (Ong, Adrian K.); Hayden, FG (Hayden, Frederick G.)

Title: John F Enders lecture 2006: Antivirals for influenza

Source: JOURNAL OF INFECTIOUS DISEASES, 196 (2): 181-190 JUL 15 2007

ISSN: 0022-1899

#### Record 4 of 4

Author(s): Sampath, R (Sampath, Rangarajan); Hall, TA (Hall, Thomas A.); Massire, C (Massire, Christian); Li, F (Li, Feng); Blyn, LB (Blyn, Lawrence B.); Eshoo, MW (Eshoo, Mark W.); Hofstadler, SA (Hofstadler, Steven A.); Ecker, DJ (Ecker, David J.)

Title: Rapid identification of emerging infectious agents using PCR and electrospray ionization mass spectrometry

Source: BIOLOGY OF EMERGING VIRUSES: SARS, AVIAN AND HUMAN INFLUENZA, METAPNEUMOVIRUS, NIPAH, WEST NILE, AND ROSS RIVER VIRUS,

1102: 109-120 2007

Book series title: ANNALS OF THE NEW YORK ACADEMY OF SCIENCES

ISSN: 0077-8923



## Marked List / Exporting to Reference Software

.....

Click the Save to EndNote, RefMan, or other reference software

button to save records to:

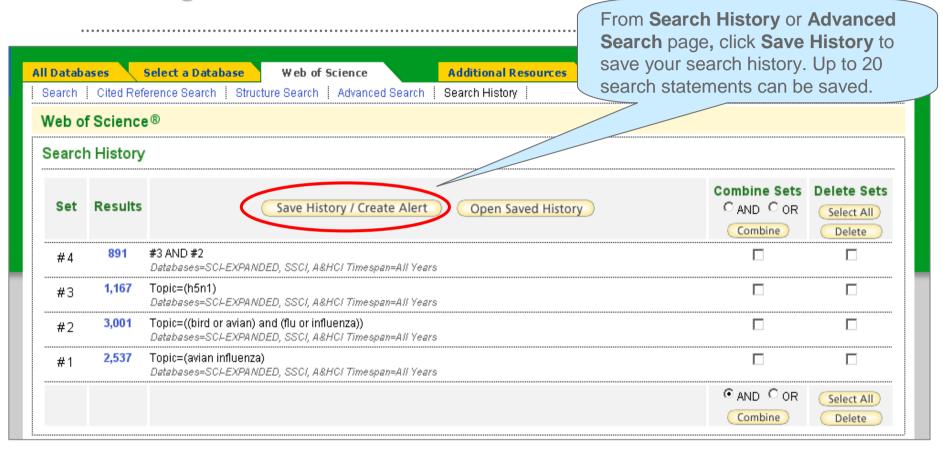
- Reference Manager
- ProCite
- EndNote

You must have EndNote, ProCite or Reference Manager installed, along with the appropriate ISI/RIS Web Capture Utility. For instructions on downloading and installing this free utility, click the ISI/RIS Web Capture Utility link on the "Exporting Records" help page.

For information on Thomson ISI ResearchSoft and any of its products, please go to: http://www.thomsonisiresearchsoft.com/

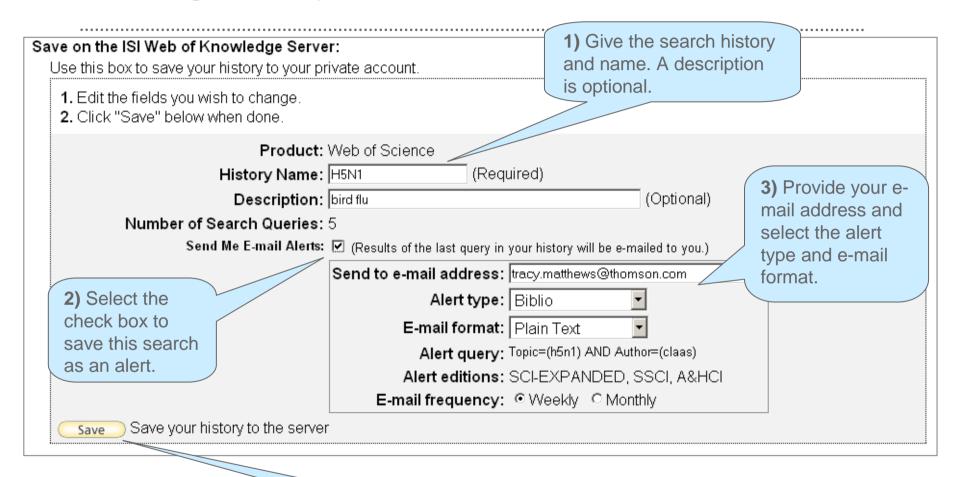


**Saving Search Histories** 





# Saving History/Alert to Server



**4)** Click **Save** when you have set all your alert options.



#### **Server Save Confirmation**



Your search has been successfully saved.

Product: Web of Science

History Name: H5N1 Description: bird flu

Number of Search Queries: 5 Send Me E-mail Alerts: Yes

Send to E-mail address: tracy.matthews@thomson.com

Alert type: Biblio
E-mail format: Plain Text

Alert query: Topic=(h5n1) AND Author=(claas)

Alert editions: SCI-EXPANDED, SSCI, A&HCI

Expiration Date: 22 Feb 2008

E-mail frequency: Weekly

RSS Feed: XML

A confirmation message appears in the browser. **Alerts** expire after 24 weeks. You will be notified of the expiration after 22

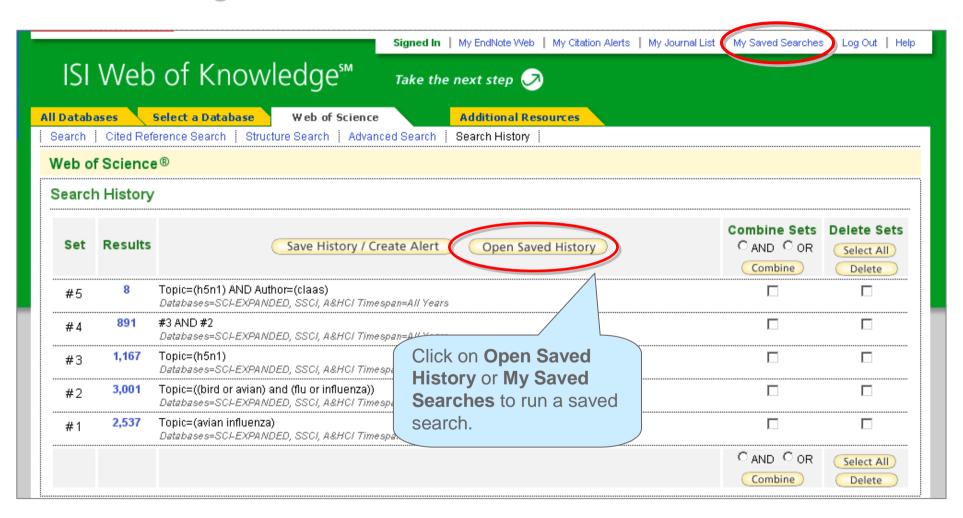
weeks.

Done

RSS Feeds are available for Saved Searches and Citation Alerts. Click the XML icon to save the feed.

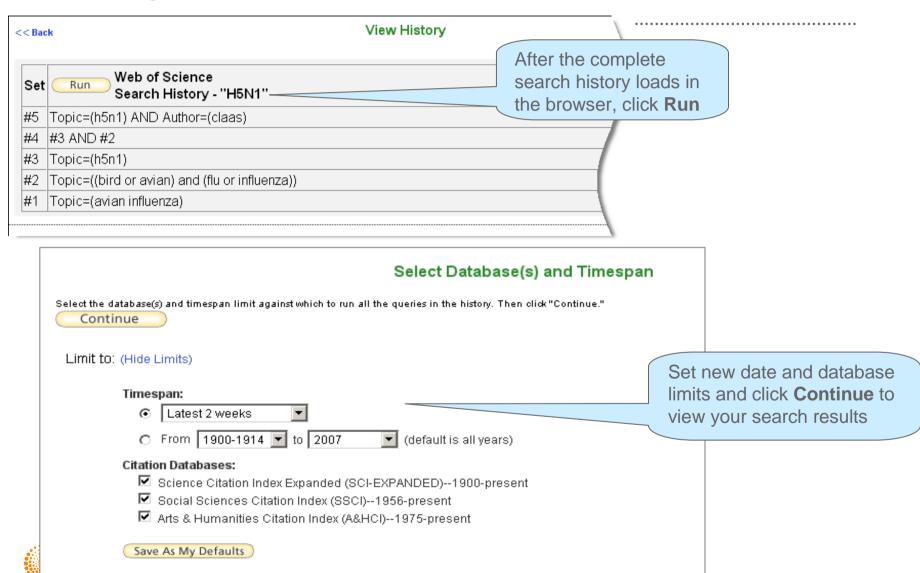
THOMSON REUTERS

## Running Saved Search Histories

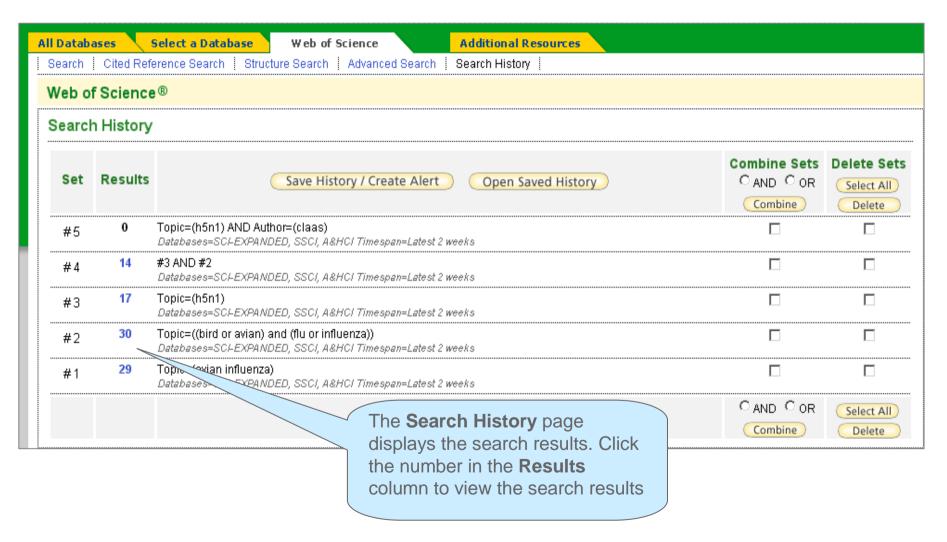




## Running Saved Search Histories (cont'd)



## Running Saved Search Histories (cont'd)





### Saving Histories to local drive/workstation

#### Save on Your Workstation:

Use this box to save your history to the local drive of your choice.

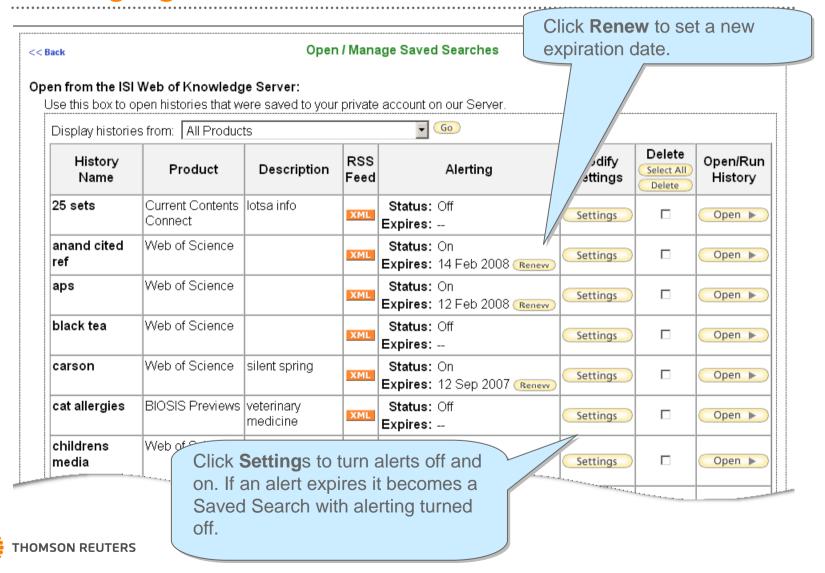
Save ... Save the history to a local drive. After saving the file, click the "<<Back" link abor

The default file extension for saved history file is .wos.

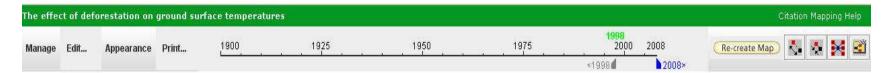
You must sign into the server to save a history as an alert. Locally saved searches do not display on the ISI Web of Knowledge homepage

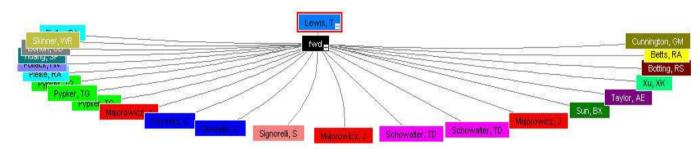


### Managing Saved Searches



## **Citation Map**





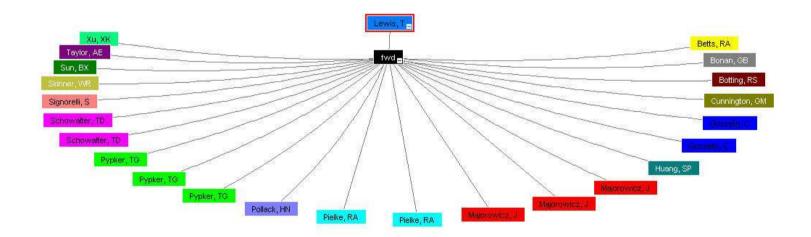
Source: ISI Web of Knowledge<sup>14</sup>, , www.thomsonscientific.com

🔻 Record details for the nodes are displayed below (double-click a node to show its details). Click a checkbox below to locate that node above. Primary The effect of deforestation on ground surface temperatures Article title Journal Name Author Pielke, RA 1999-JOURNAL OF Seasonal weather prediction as an initial value problem Number / Title 106035640 / The effect of deforestation on ground surface temperatures GEOPHYSICAL RESEARCH-ATMOSPHERES Journal Title GLOBAL AND PLANETARY CHANGE Skinner, WR 1999-CLIMATE Regional climatic warming and associated twentieth century Publication Year 1998 RESEARCH land-cover changes in north-western North America Pypker, TG 2002-CANADIAN The growing season carbon balance of a sub-boreal clearcut Author Lewis, T 5 years after harvesting using two independent approaches JOURNAL OF FOREST to measure ecosystem CO2 flux Group Author RESEARCH-REVUE CANADIENNE DE RECHERCHE Source GLOBAL PLANET CHANGE Records Displaying 1 - 10 of 24 « (123)» Display 10 💙



# **Citation Map**

#### Citation map ordered by author name





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