



How to do an Effective Literature Search?

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Stop Searching, Start Discovering



THOMSON REUTERS

The scenarios

- “I’m a new graduate student and I’m not sure how to do a literature search”
- “I’ve been into research for sometime now but I spend too much time to get the articles I want”
- “I want to start a new research project. How can I get the relevant literature in the shortest possible time?”

→ → If you have similar concerns, this module may help you to do an *effective* literature search



What is *Web of Science*?

Features	Benefits and Applications
<p>Easy to use search interface – designed for different abilities/uses levels/types of searching, enabling fast and effective searching of the literature</p> <p>Multidisciplinary – over 11,261 high quality journals selected from around the world</p> <p>Over 100 years of citation information</p> <p>Alerting functionality</p> <p>Analysis and refinement tools</p> <p>Export to bibliographic software</p> <p>Full text – Link to the primary literature sources</p> <p>Citation Map – Totally new features enhancing discovery process</p>	<p>Quickly identify relevant articles and save time</p> <p>Follow the path and direction of today's hottest ideas and concepts</p> <p>Determine if a theory has been confirmed, changed or improved</p> <p>Track a topic through years of research, find related records quickly and easily without having to understand changes in terminology</p> <p>Quickly identify the most influential papers/researches in a particular area and uncover seminal research of an important theory or concept</p>



How many types of searches are available?

ISI Web of KnowledgeSM Take the next step

All Databases Select a Database Web of Science Additional Resources

Search Cited Reference Search Structure Search Advanced Search Search History Marked List (0)

Web of Science[®] – now with Conference Proceedings

Search for:

Example: oil spill* mediterranean

AND Example: O'Brian C* OR OBrian C*
Need help finding papers by an author? Use [Author Finder.](#)

AND Example: Cancer* OR Journal of Cancer Research and Clinical Oncology
[Add Another Field >>](#)

Search Clear

Current Limits: [\[Hide Limits and Settings\]](#) (To save these permanently, [sign in or register](#))

Timespan:
 All Years (updated 2009-02-14)
 From 1900-1914 to 2009 (default is all years)

There are 5 types generally:

- Search: use this for normal keyword search such as Topic, title, address, conference, funding agency etc
- Cited Reference Search: Find articles that cite a person's work
- Structure Search: Search for chemicals using structure drawing
- Advance Search: Suitable for more complex search queries
- Author Finder: Systematic ways to retrieve sets of articles from one author

How to search effectively in WOS?

- For example, we want to do a search in “Japanese encephalitis”, a virus transmitted from mosquitoes and very prevalent in Southeast Asia and the Far East
- Annually, 30K to 50K of people are infected with the virus, with up to 60% of fatality rate for some regions in Asia
- The disease can be controlled primarily via vaccination

How should we begin the search?

You only know about “Japanese ence...” but not sure how to spell “encephalitis”

All Databases | Select a Database | Web of Science | Additional Resources

Search | Cited Reference Search | Structure Search | Advanced Search | Search History | Marked List (0)

Web of Science® – now with Conference Proceedings

Search for:

in

Example: oil spill mediterranean*

AND in

Example: O'Brian C OR OBrian C**
Need help finding papers by an author? Use [Author Finder](#).

AND in

Example: Cancer OR Journal of Cancer Research and Clinical Oncology*

[Add Another Field >>](#)

Use wildcard to help you!

Put an “ * ” after the word to retrieve all combinations of words from 0 to infinity characters

- Under Topic Search, just type in “Japanese ence*” and hit the “Search” button
- The search will return all combinations of words begin with “ence”
- Other wildcards include: ? (if it is only one character) \$ (if it is 0 to one character)

Refine search results to get what you want

Web of Science® – now with Conference Proceedings

Results Topic=(japanese ence*)
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, IC, CCR-EXPANDED. Scientific WebPlus BETA View Web Results >>

Results: 3,030 Page 1 of 303 Go Sort by: Latest Date

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

Refine Results

1. Title: Resolving genetic diversity in Australasian Culex mosquitoes: Incongruence between the mitochondrial cytochrome c oxidase I and nuclear a
Author(s): Hemmerter S, Slapeta J, Beebe NW
Source: MOLECULAR PHYLOGENETICS AND EVOLUTION FEB 2009
Times Cited: 0
→Links Full Text

2. Title: Association of toll-like receptor 3 gene polym
Author(s): Ishizaki Y, Takemoto M, Kira R, et al.
Source: JOURNAL OF NEUROVIROLOGY Volume: 14
Times Cited: 0
→Links Full Text

3. Title: The blood-brain barrier in the cerebrum is the initial site for the Japanese encephalitis virus entering the central nervous system
Author(s): Liu TH, Liang LC, Wang CC, et al.
Source: JOURNAL OF NEUROVIROLOGY Volume: 14 Issue: 6 Pages: 514-521 Published: DEC 2008
Times Cited: 0
→Links Full Text

4. Title: Living Donor Liver Transplantation for Type II Citrullinemia from a Heterozygous Donor
Author(s): Hirai I, Kimura W, Suto K, et al.
Source: HEPATO-GASTROENTEROLOGY Volume: 55 Issue: 88 Pages: 2211-2216 Published: NOV-DEC 2008
Times Cited: 0

Note that
ence* will get
you:

- Encephalitis
- Encephalic
- Encephala
- Enceinte
- ... etc

Immediately you
identify the word
“encephalitis” from
your search results!

Japanese encephalitis virus

Want to retrieve the right results?

- “Japanese Encephalitis” is a type of disease, which used to be called “Japanese B Encephalitis”
- Use inverted commas to get the exact words

The image displays two screenshots of the Web of Science search interface. The top screenshot shows a search for "japanese encephalitis" in the Topic field. The bottom screenshot shows a search for "japanese B encephalitis" in the Topic field. A callout box points to the second search query with the text "Use inverted commas '...' to get the exact terms". The interface includes search boxes, dropdown menus for "AND", "in", and "Topic", and example text for each field.

Use Search History to combine your search results

Web of Science® – now with Conference Proceedings

Search | Cited Reference Search | Structure Search | Advanced Search | Search History | Marked List (0)

Web of Science® – now with Conference Proceedings

Search History

Set	Results		Save Sets	Delete Sets
# 3	2,720	#2 OR #1 <i>Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, IC, CCR-EXPANDED Timespan=All Years</i>	<input type="checkbox"/>	<input type="checkbox"/>
# 2	208	Topic=("japanese B encephalitis") <i>Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, IC, CCR-EXPANDED Timespan=All Years</i>	<input type="checkbox"/>	<input type="checkbox"/>
# 1	2,516	Topic=("japanese encephalitis") <i>Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, IC, CCR-EXPANDED Timespan=All Years</i>	<input type="checkbox"/>	<input type="checkbox"/>

○ AND ● OR
Combine Select All Delete

View Web Results >>
Sort by: Latest Date
Analyze Results
Create Citation Report

5-1322 Published: DEC
tropical countries
08

The total results records found

Use Refine to retrieve only the relevant

Results: **2,784** Page 1 of 279 Go Sort by: Times Cited

Print E-mail Add to Marked List Save to EndNote Web
Save to EndNote, RefMan, ProCite more options

Refine Results
Search within results for [] Search

Subject Areas Refine

- VIROLOGY (728)
- IMMUNOLOGY (494)
- PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (335)
- MEDICINE, GENERAL & INTERNAL (318)
- VETERINARY SCIENCES (314)

more options / values...

Document Types Refine

- ARTICLE (2,153)
- REVIEW (200)
- MEETING ABSTRACT (159)
- PROCEEDINGS PAPER (74)
- LETTER (72)

more options / values...

▶ **Authors**

▶ **Source Titles**

▶ **Publication Years**

▶ **Conference Titles**

▶ **Institutions**

▶ **Languages**

▶ **Countries/Territories**

1. Title: [Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses](#)
Author(s): Kato H, Takeuchi O, Sato S, et al.
Source: **NATURE** Volume: **441** Issue: **7089** Pages: **101-105** Published: **MAY 4 2006**
Times Cited: **390**
→Links Full Text

2. Title: [...](#)
Source: **...** Volume: **...** Issue: **...** Pages: **...** Published: **...**
Times Cited: **...**

3. Title: [...](#)
Source: **...** Volume: **...** Issue: **...** Pages: **...** Published: **...**
Times Cited: **...**

4. Title: [...](#)
Source: **...** Volume: **...** Issue: **...** Pages: **...** Published: **...**
Times Cited: **...**

5. Title: [IRON STORAGE, LIPID-PEROXIDATION AND GLUTATHIONE TURNOVER IN CHRONIC ANTI-HCV POSITIVE HEPATITIS](#)
Author(s): FARINATI F, CARDIN R, DEMARIA N, et al.
Source: **JOURNAL OF HEPATOLOGY** Volume: **22** Issue: **4** Pages: **449-456** Published: **APR 1995**
Times Cited: **211**
→Links Full Text

6. Title: [Applications of new virus vectors to vaccination: An update](#)

Sort by: Times Cited Latest Date Times Cited Relevance First author Source Title Publication Year Conference Title

ONS
18-427
OME RNA

Why use Refine Results?

- To quickly get the articles on specific subject areas, document types, authors, source titles, publication years, conferences, institutions, etc
- Read only the relevant and important
- Be focus on a subject of interest (**narrow your search!**)
- Save time not to browse irrelevant articles

Sort the results to get the popular article

Results: **2,784** Page 1 of 279 Go

Print E-mail Add to Marked List Save to EndNote Web
Save to EndNote, RefMan, ProCite more options

Sort by: Times Cited
Latest Date
Times Cited
Relevance
First author
Source Title
Publication Year
Conference Title

Hide Refine

Refine Results

Search within results for Search

▼ **Subject Areas** Refine

- VIROLOGY (728)
- IMMUNOLOGY (494)
- PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (335)
- MEDICINE, GENERAL & INTERNAL (318)
- VETERINARY SCIENCES (314)

[more options / values...](#)

▼ **Document Types** Refine

- ARTICLE (2,153)
- REVIEW (200)
- MEETING ABSTRACT (159)
- PROCEEDINGS PAPER (74)
- LETTER (72)

[more options / values...](#)

► **Authors**

► **Source Titles**

► **Publication Years**

► **Conference Titles**

► **Institutions**

► **Languages**

► **Countries/Territories**

1. Title: **Differential roles of MDA5 and RIG-I helicases in the recognition of RNA viruses**
Author(s): Kato H, Takeuchi O, Sato S, et al.
Source: **NATURE** Volume: **441** Issue: **7089** Pages: **101-105** Published: **MAY 4 2006**
Times Cited: 390
Links Full Text

2. Title: **AN ENZYME-LINKED IMMUNOSORBENT ASSAY FOR DETECTING DENROVIRUS WHERE DENGUE AND JAPANESE ENCEPHALITIS VIRUS COCIRCULATE**
Author(s): INNIS BL, NISALAK A, NIMMANITRA S, et al.
Source: **AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE** Volume: **60** Issue: **1** Published: **APR 1999**
Times Cited: 261
Links Order Full Text

3. Title: **Dengue and dengue haemorrhagic fever in Singapore**
Author(s): Rigau-Perez JG, Clark GG, Gubler AP, et al.
Source: **LANCET** Volume: **352** Issue: **9133** Published: **NOV 11 2000**
Times Cited: 236
Links Full Text

4. Title: **COMPLETE NUCLEOTIDE-SEQUENCING OF THE GENOME OF A DENROVIRUS ISOLATED FROM A PATIENT WITH DENROVIRUS INFECTION**
Author(s): SUMIYOSHI H, MORI C, FUKUDA T, et al.
Source: **VIROLOGY** Volume: **161** Issue: **2** Published: **NOV 1988**
Times Cited: 228
Links Full Text

5. Title: **IRON STORAGE, LIPID-PEROXIDATION AND GLUTATHIONE TURNOVER IN CHRONIC ANTI-HCV POSITIVE HEPATITIS**
Author(s): FARINATI F, CARDIN R, DEMARIA N, et al.
Source: **JOURNAL OF HEPATOLOGY** Volume: **22** Issue: **4** Pages: **449-456** Published: **APR 1995**
Times Cited: **211**
Links Full Text

6. Title: **Applications of new virus vectors to vaccination: An update**

Why use Sort by?

- To identify the most popular (highly cited) article in a field of study
- Time is limited, read the "most cited" articles first
- Identify the important authors
- Save time

Understand the publication pattern – Create Citation Report

Citation Report

Topic=(japanese encephalitis)
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, IC, CCR-EXPANDED.

This report reflects citations to source items indexed within Web of Science. Perform a Cited Reference Search to include citations to items not indexed within Web of Science.

Results found: 2,784

Sum of the Times Cited [?]: 38,771
[View Citing Articles](#)
[View without self-citations](#)

Average Citations per Item [?]: 13.93

h-index [?]: 73

Published Items in Each Year

Year	Published Items
1990	40
1991	50
1992	45
1993	60
1994	70
1995	65
1996	60
1997	65
1998	65
1999	60
2000	110
2001	105
2002	120
2003	180
2004	160
2005	145
2006	155
2007	165
2008	230
2009	15

Citations in Each Year

Year	Citations
1990	200
1991	250
1992	300
1993	400
1994	450
1995	500
1996	550
1997	600
1998	700
1999	800
2000	1000
2001	1200
2002	1500
2003	2000
2004	2500
2005	2800
2006	3000
2007	3500
2008	4800
2009	1000

The latest 20 years
[View a graph with](#)

Results: **2,784**

Use the checkboxes to or restrict to items proc

1. Title: [Differential roles](#)
Author(s): Kato H, Take
Source: NATURE Volu

2. Title: [AN ENZYME-LIN](#)
[INFECTIONS WHERE](#)
Author(s): INNIS BL, NI
Source: AMERICAN JO
Pages: 418-427 Pub

Citation Report helps you to answer:

- The citation trend and publication pattern → the development of the field of study
- Is the subject currently active or is it stagnant (no research breakthrough) or no longer a subject of interest?
- Is it worthwhile to start a new project in the area?
- Is it likely to get funded or approved in my proposal?

Scientific WebPlus BETA [View Web Results >>](#)

Sort by: Times Cited ▼

[Analyze Results](#)

[Create Citation Report](#)

recognition of RNA viruses

5 Published: MAY 4 2006

0 CHARACTERIZE DENGUE INFECTIONS CIRCULATE

YGIENE Volume: 40 Issue: 4 Pages: 418-427

7 Published: SEP 19 1998

JAPANESE ENCEPHALITIS-VIRUS GENOME RNA

To explore what's hidden in the data – Analyze Results

Analyze your search results up to 100,000 records

The screenshot shows the Web of Science interface. At the top, there are navigation tabs: 'All Databases', 'Select a Database', 'Web of Science', and 'Additional Resources'. Below this is a search bar and navigation links like 'Cited Reference Search', 'Structure Search', 'Advanced Search', 'Search History', and 'Marked List (0)'. The main content area displays 'Web of Science® – now with Conference Proceedings' and search results for 'Topic=(japanese encephalitis)'. It shows 2,784 results on page 1 of 279, sorted by 'Times Cited'. A sidebar on the left is labeled 'Refine Results' and 'Hide Refine'. A 'Print' button is visible. A red box highlights the 'Analyze Results' button in the top right of the results area. A larger red box highlights the 'Analyze Results' dialog box, which is open and shows options for ranking, analyzing, and displaying results.

Analyze Results

2,784 records. Topic=(japanese encephalitis)

Rank the records by this field:	Analyze:	Set display options:	Sort by:
Author	Up to 100000 records.	Show the top 10 results.	<input checked="" type="radio"/> Record count
Conference Title	100000	Minimum record count (threshold): 2	<input type="radio"/> Selected field
Country/Territory	50000		
Document Type	25000		
	10000		
	5000		
	2500		
	1000		
	500		
	250		
	100		

Analyze

<input type="checkbox"/>	Field: Author	Record Count	% of 2784	Bar Chart
<input type="checkbox"/>	KURANE, I	54	1.9397 %	
<input type="checkbox"/>	IGARASHI, A	50	1.7960 %	
<input type="checkbox"/>	MATHUR, A	50	1.7960 %	
<input type="checkbox"/>	MASON, PW	45	1.6164 %	
<input type="checkbox"/>	BANERJEE, K	44	1.5805 %	
<input type="checkbox"/>	KONISHI, E	44	1.5805 %	
<input type="checkbox"/>	NISALAK, A	43	1.5445 %	
<input type="checkbox"/>	MACKENZIE, JS	41	1.4727 %	
<input type="checkbox"/>	SOLOMON, T	40	1.4368 %	
<input type="checkbox"/>	BARRETT, ADT	38	1.3649 %	

“Author”

- enable to track prolific researcher
- click in to see the rate of published article
- click in to see the year published
- check for respective institution
- strategic recruitment
- advisory member selection

<input type="checkbox"/>	Field: Author	Record Count	% of 2784	Bar Chart
--------------------------	---------------	--------------	-----------	-----------

<input type="checkbox"/>	Field: Institution Name	Record Count	% of 2784	Bar Chart
<input type="checkbox"/>	NATL INST VIROL	124	4.4540 %	
<input type="checkbox"/>	CTR DIS CONTROL & PREVENT	80	2.8736 %	
<input type="checkbox"/>	UNIV QUEENSLAND	68	2.4425 %	
<input type="checkbox"/>	NATL INST INFECT DIS	65	2.3348 %	
<input type="checkbox"/>	UNIV TEXAS	60	2.1552 %	
<input type="checkbox"/>	NAGASAKI UNIV	57	2.0474 %	
<input type="checkbox"/>	USA	52	1.8678 %	
<input type="checkbox"/>	NATL DEF MED CTR	50	1.7960 %	
<input type="checkbox"/>	HOKKAIDO UNIV	46	1.6523 %	
<input type="checkbox"/>	OSAKA UNIV	44	1.5805 %	

“Institution Name”

- prolific institution
- click in to see the rate of published article
- click in to see the year published
- Check for respective researcher
- strategic collaboration











<input type="button" value="→ View Records"/> <input type="button" value="✗ Exclude Records"/>		Field: Source Title	Record Count	% of 2784
<input type="checkbox"/>		AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE	174	6.2500 %
<input type="checkbox"/>		JOURNAL OF VIROLOGY	123	4.4181 %
<input type="checkbox"/>		VACCINE	122	4.3822 %
<input type="checkbox"/>		VIROLOGY	108	3.8793 %
<input type="checkbox"/>		INDIAN JOURNAL OF MEDICAL RESEARCH	95	3.4124 %
<input type="checkbox"/>		JOURNAL OF GENERAL VIROLOGY	84	3.0172 %
<input type="checkbox"/>		ACTA VIROLOGICA	78	2.8017 %
<input type="checkbox"/>		ARCHIVES OF VIROLOGY	53	1.9037 %
<input type="checkbox"/>		JAPANESE JOURNAL OF VETERINARY SCIENCE	44	1.5805 %
<input type="checkbox"/>		JOURNAL OF MEDICAL ENTOMOLOGY	43	1.5445 %

“Source Title”

- Important journals for this area of study
- Check where your users publish in
- What are the most popular journals researchers in this area like to publish
- Identify journals for subscription

“Subject Area”

- Identify research focus of a country, institution or author
- Identify cross disciplinary research
- Check how a methodology is being used by other categories
- Identify new area of research and opportunities

<input type="button" value="→ View Records"/> <input type="button" value="✗ Exclude Records"/>		Field: Subject Area	Record Count	% of 2784	Bar Chart
<input type="checkbox"/>		VIROLOGY	726	26.0776 %	
<input type="checkbox"/>		IMMUNOLOGY	494	17.7443 %	
<input type="checkbox"/>		PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH	335	12.0330 %	
<input type="checkbox"/>		MEDICINE, GENERAL & INTERNAL	316	11.3506 %	
<input type="checkbox"/>		VETERINARY SCIENCES	314	11.2787 %	
<input type="checkbox"/>		MEDICINE, RESEARCH & EXPERIMENTAL	312	11.2069 %	
<input type="checkbox"/>		TROPICAL MEDICINE	270	9.6983 %	
<input type="checkbox"/>		INFECTIOUS DISEASES	222	7.9741 %	
<input type="checkbox"/>		MICROBIOLOGY	212	7.6149 %	
<input type="checkbox"/>		BIOTECHNOLOGY & APPLIED MICROBIOLOGY	164	5.8908 %	

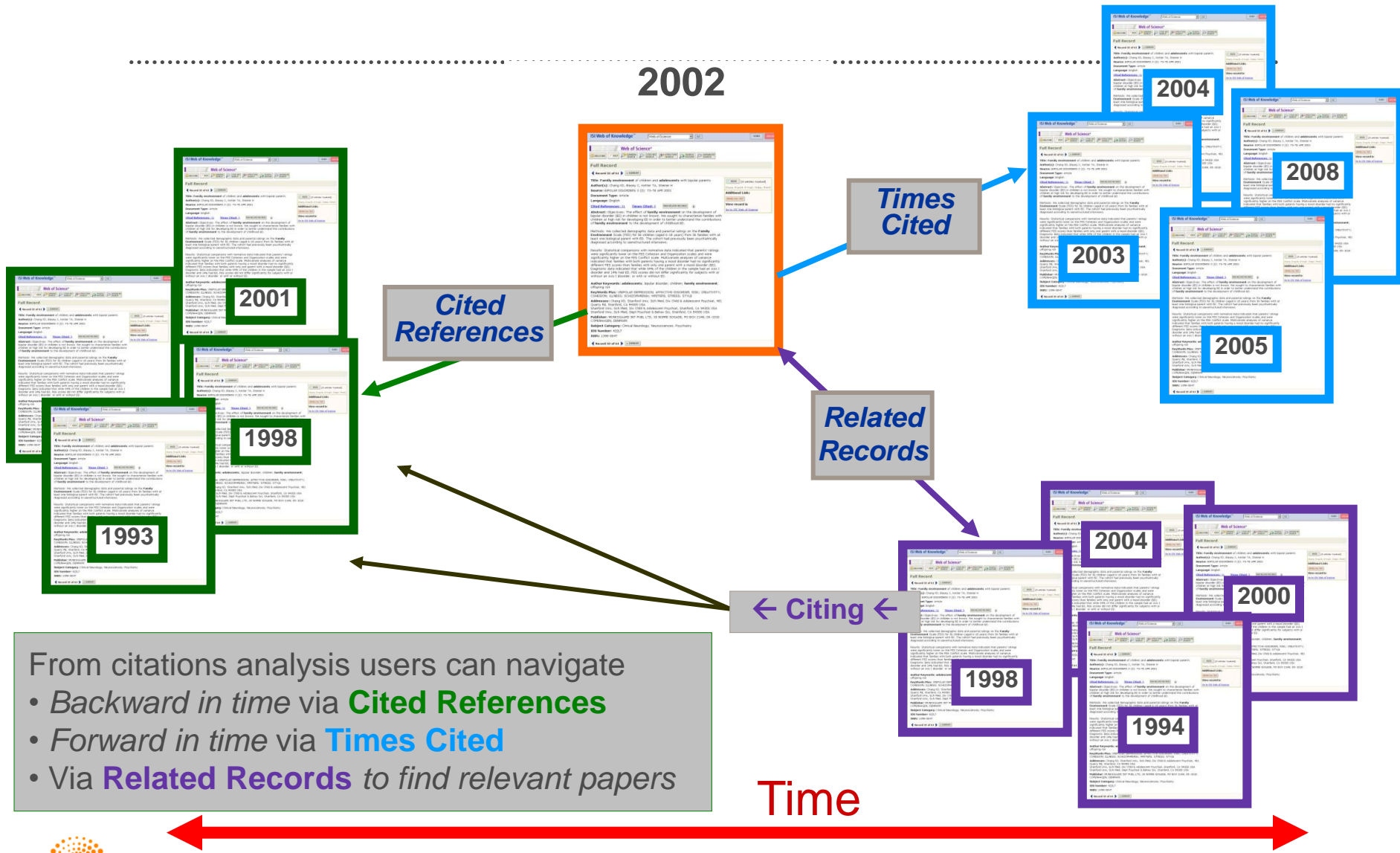
How to Discover?

- The language of science is always changing
- New concepts and terminology continue to evolve
- Keyword searching alone will never maximize retrieval of critical information



- Cited Reference Search
- KeyWords Plus
- Related Records

Literature Citation Information – Driving Discovery of “CLOSE Art”



From citations analysis users can navigate

- *Backward in time* via **Cited References**
- *Forward in time* via **Times Cited**
- Via **Related Records** to find relevant papers

<< Back to results list

Record 181 of 2,784

Origin and evolution of Japanese encephalitis virus in southeast Asia

Full Text → Links **NCBI**
Holdings Go

Get more information directly from NCBI

Author(s): Solomon T, Ni H, Beasley DWC, Ekkelenkamp M

Source: JOURNAL OF VIROLOGY Volume: 77 Issue: 5 Pages: 3091-3098 Published: MAR 2003

Times Cited: 47 References: 43 Citation Map beta

Abstract: Since it emerged in Japan in the 1870s, Japanese encephalitis has spread across Asia and has become the most important cause of epidemic encephalitis worldwide. Four genotypes of Japanese encephalitis virus (JEV) have been fully sequenced, but their evolutionary relationships are not known. We have determined the complete genome sequence of a novel JEV isolate, JKT6468, which represents a new lineage, compared it with other fully sequenced JEVs, and found that it is closely related to 19.6% of the JEVs seen in other parts of Asia. Phylogenetic analysis of the envelope protein gene (including E327) suggests that JEV originated from its ancestral virus in the Indonesia-Malaysia region and spread to Southeast Asia. Our data, together with recent evidence on the origins of other emerging viruses, including dengue virus and nipan virus, imply that tropical Southeast Asia may be an important zone for emerging pathogens.

Document Type: Article

Language: English

KeyWords Plus: COMPLETE NUCLEOTIDE-SEQUENCE; STRUCTURAL PROTEIN GENES; AMINO-ACID-SEQUENCE; MOLECULAR CHARACTERIZATION; FLAVIVIRUS; STRAINS; GENOME; WEST; EPIDEMIOLOGY; AUSTRALIA

Reprint Address: Solomon, T (reprint author), Univ Liverpool, Walton Ctr Neurol & Neurosurg, Dept Neurol Sci, Liverpool L9 7LJ, Merseyside England

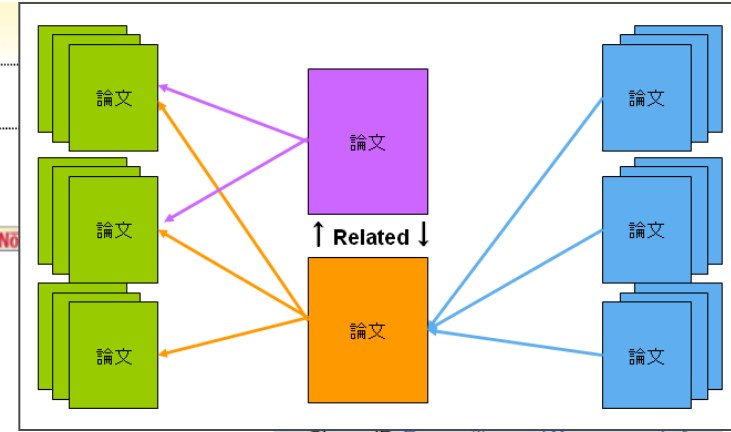
Addresses:
1. Univ Liverpool, Walton Ctr Neurol & Neurosurg, Dept Neurol Sci, Liverpool L9 7LJ, Merseyside England
2. Univ Liverpool, Walton Ctr Neurol & Neurosurg, Dept Neurol Sci, Liverpool L9 7LJ, Merseyside England
3. Univ Liverpool, Walton Ctr Neurol & Neurosurg, Dept Neurol Sci, Liverpool L9 7LJ, Merseyside England
4. Univ Liverpool, Walton Ctr Neurol & Neurosurg, Dept Neurol Sci, Liverpool L9 7LJ, Merseyside England
5. Univ Liverpool, Walton Ctr Neurol & Neurosurg, Dept Neurol Sci, Liverpool L9 7LJ, Merseyside England

Subject Category: Virology

IDS Number: 645VF

ISSN: 0022-538X

DOI: 10.1128/JVI.77.5.3091-3098.2003



Navigate Forward to discover a paper's impact on current research

Navigate backward in time to uncover an author's prior influences

Find Related Records: Retrieve articles which cited the same references

Cherry JD Recognition and Management of Encephalitis in Children HOT TOPICS IN INFECTION AND IMMUNITY IN CHILDREN V 634 53-60 2009

Erlanger TE, Weiss S, Keiser J, et al. Past, Present, and Future of Japanese Encephalitis EMERGING INFECTIOUS DISEASES 15 1 1-7 JAN 2009

[view all 47 citing articles]

Create Citation Alert

Related Records:
Find similar records based on shared references (from Web of Science).
[view related records]

References: 43
View the bibliography of this record (from Web of Science).

Additional information

- View the journal's impact factor (in Journal Citation Reports)
- View the journal's Table of Contents (in Current Contents Connect)

Suggest a correction
If you would like to improve the quality of this product by suggesting corrections, please fill out this form.

<< Back to results list

Origin and evolution of Japanese encephalitis virus

Full Text → Links NCBI
Holdings Go

Author(s): Solomon T, Ni H, Beasley DWC, Ekkelenkar

Source: JOURNAL OF VIROLOGY Volume: 77 Iss

Times Cited: 47 [Citation Map](#)

Abstract: Since emerged in Japan, Japanese encephalitis virus (JEV) has spread worldwide. Four genotypes (I-IV) have been sequenced, but their origin is not known. Genotype I, which represents the earliest form, was the least similar, with no deletions of amino acids at the carboxy terminus (Leu→Thr/Ser on the exposed late domain). All 290 JEV isolates for which sequence data are available represent recent genotypes that have evolved there into the different genotypes, including dengue virus and Nipah virus.

Document Type: Article

Language: English

KeyWords Plus: COMPLETE NUCLEOTIDE SEQUENCE; FLAVIVIRUS; STRAINS; GENOME; TR

Reprint Address: Solomon, T (rep

Addresses:

1. Univ Liverpool, Walton Ctr Neuro
2. Univ Liverpool, Dept Med Microb
3. Univ Texas, Med Branch, WHO,
4. Univ Texas, Med Branch, Dept P
5. Univ Malaysia Sarawak, Kota Sa

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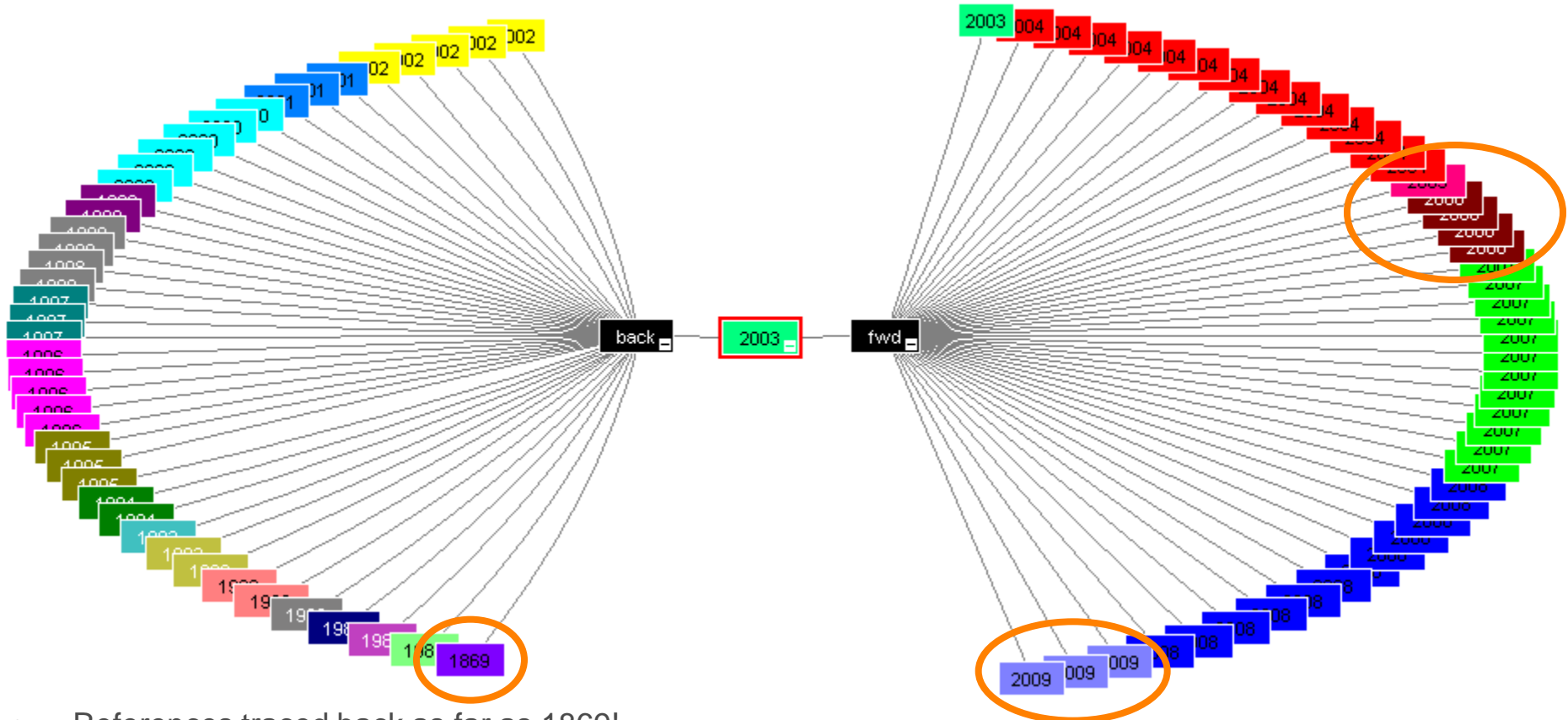
You will be surprised to find out that an article in **Virology** has applications in:

- Immunology
- Infectious Diseases
- General and Internal Medicine
- Research and Experimental Medicine
- Microbiology
- Neurosciences
- Pediatrics
- Tropical Medicine
- Veterinary Sciences
- Entomology

Ten different new application fields!

→ → Explore the subjects' hidden relations, discover ***undiscovered applications!***

Track the development both ways (forward and backward) to unfold new ideas and hidden applications



- References traced back as far as 1869!
(Backfiles is equally important)
- The base principles to support the research
(Work trustable? Any new point to challenge?)
- Identify relevant articles in the past

- Until today, it is still actively cited (2009)
- Citation pattern: Why citations are low in year 2005 and 2006? But high in 2007 and 2008?
- Identify relevant articles in future (new keyword, change of terminology)
- New applications or directions of research area?

Last note to take ...

- Effective literature search really depends on many factors, some of which are:
 - How much you know about a subject
 - Your research experience
 - Guidance from mentors
 - Your library resources ... access to the right literature, etc
 - And ... differences from discipline to discipline
- Features in *Web of Science (WOS)* are tools to help you doing your search more effectively
- In simple terms ... **If you can complete your search effectively within 3 months using WOS, why bother to spend one year or even longer just to do similar search without WOS?**
- You have a choice ...

Stop Searching, Start Discovering



Thank You!



Stop Searching, Start Discovering

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