



Information Literacy – Masters 2014

October 2014



Content:

1. Where can I find information about how to write a thesis?
2. How do I detect the correct keywords?
3. Where and how can I collect information?
 - Web of Science
4. How can I manage my search results?
 - EndNote
5. References / Bibliography / Plagiarism
6. Questions

1. Where can I find information about how to write a thesis?

- Cluster 6
 - 001.891: Organisation of scientific work
 - 371.3: Didactics
- Tutorial Informatievaardigheden: groep Wetenschap & Technologie
 - Available on Toledo
 - Community
 - Only in Dutch (for the moment)

2. How do I detect the correct keywords?

- From research question to keywords
 - Keywords = key concepts of your research question

2. How do I detect the correct keywords?

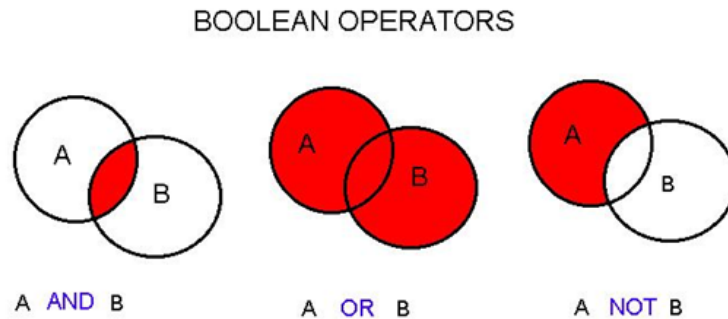
- Synonyms
- Translations (English!)
- Singular / Plural
- Noun / Adjective
- Conjugation of verbs
- Narrower term
 - Air pollution < Environmental pollution
- Broader term
 - Environmental pollution < pollution
- Related term
 - Greenhouse effect, global warming...
- Use reference books (dictionary, encyclopedia).

2. How do I detect the correct keywords?

- What is the effect of environmental pollution on the development of allergies by children?
- Allergies
 - Allergy
 - Hay fever
 - Immunological disease
- Children
 - Child
 - Youth
 - Toddler(s)
 - Kid(s)

3. Where and how can I collect information?

- Boolean operators: for combining keywords



- Use brackets () to combine operators
- NOT > AND > OR
- Exact word combinations “ “
- Truncation / Wildcards
 - * : replaces 1 or more letters
 - ? : replaces 1 or 0 letters
 - women or woman -> wom?n

3. Where and how can I collect information?

- Bibliographic database =
 - Collection of references of scientific journal articles with links to the full text
 - Find articles based on the bibliographic information like title, author, abstract...
 - Limo
- Citation index =
 - Bibliographic information
 - A citation index is built on the fact that citations serve as linkages between similar research items, and lead to matching or related scientific literature (used references / times cited)
 - Web of Science

3. Where and how can I collect information?

- In which field do you want to search?
 - Topic in WoS =
 - Title
 - Abstract
 - Author Keywords
 - Keywords Plus®

3. Web of science

- Air pollution / water pollution
 - “air pollution” OR “water pollution”
 - (air AND pollution) OR (water AND pollution) = (water OR air) AND pollution
 - Pollut*: pollution / pollute / polluted / pollutant

3. Where and how can I collect information?

- Web of Science
- How to search in WoS:
 - **Basic search**
 - **Cited reference search**
Use a known article and find articles that have cited this article
 - **Advanced Search**
Combine multiple search terms of multiple search actions

3. Where and how can I collect information?

- Limo: Find databases: searchable by title

Find Databases

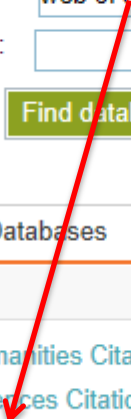
Name: ▼

All fields:

Type: ▼

Subject: ▼

Arts & Humanities Citation Index / A&HCI (WoS)	Show Info
Social Sciences Citation Index / SSCI (WoS)	Show Info
Web of Science / WoS	Show Info



3. Where and how can I collect information?

- Find databases: searchable by discipline

Find Databases

Name: Contains

Keywords:

Type:

Category:

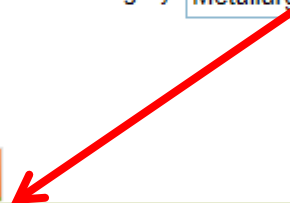
ASM handbooks online [Show Info](#)

KU Leuven onderzoeksdatabank [Show Info](#)

Science Citation Index Expanded / SCIE (WoS) [Show Info](#)

ScienceDirect [Show Info](#)

Web of Science / WoS [Show Info](#)



3. Web of Science

The screenshot shows the 'Basic Search' interface of Web of Science. It features a search bar with the term 'technology', a second search bar with 'traffic' and an 'AND' operator, and a 'TIMESPAN' section for specifying publication years (2013 to 2014). Below these are 'MORE SETTINGS' for selecting the index (SCI-EXPANDED or SSCI). Red arrows and numbers 1 through 5 point to specific elements: 1. The search term 'technology', 2. The search field dropdown, 3. The 'AND' operator, 4. The publication years, and 5. The index selection options.

Basic Search

technology

AND traffic

+ Add Another Field | Reset Form

TIMESPAN

☐ All years

☒ From 2013 to 2014

MORE SETTINGS

Web of Science Core Collection: Citation Indexes

☒ Science Citation Index Expanded (SCI-EXPANDED) --1955-present

☐ Social Sciences Citation Index (SSCI) --1956-present

1. Type in the search term(s)

2. Specify the search field

3. Combine terms

4. Specify the publication years

5. Specify the indexes

3. Web of Science

Refine results by using facets

Link for access to the full text

Short summary of the article

The screenshot shows the Web of Science search results interface. On the left, there is a sidebar with 'Back to Search' and 'My Tools' at the top. Below this, it shows 'Results: 13 (from Web of Science Core Collection)'. The search criteria are listed as 'You searched for: TITLE: (technology) AND TITLE: (traffic) ...More'. There is a 'Create Alert' button. The 'Refine Results' section has a search box 'Search within results for...' and a 'Web of Science Categories' dropdown menu. The categories listed are 'TRANSPORTATION SCIENCE TECHNOLOGY (8)' and 'ENGINEERING CIVIL (4)'. The main results area shows a list of three articles. The first article is 'Cognitive Workload and Learning Assessment During the Implementation of a Next-Generation Air Traffic Control Technology Using Functional Near-Infrared Spectroscopy' by Harrison, Joshua; Izzetoglu, Kurtulus; Ayaz, Hasan; et al. It is from IEEE TRANSACTIONS ON HUMAN-MACHINE SYSTEMS, Volume: 44, Issue: 4, Pages: 429-440, Published: AUG 2014. The second article is 'A review on agent-based technology for traffic and transportation' by Bazzan, Ana L. C.; Klugl, Franziska, from KNOWLEDGE ENGINEERING REVIEW, Volume: 29, Issue: 3, Pages: 375-403, Published: JUN 2014. The third article is 'Effects of vehicle technologies, traffic volume changes, incidents and work zones on greenhouse'. Red arrows point from the text labels to specific elements: 'Refine results by using facets' points to the 'Web of Science Categories' section; 'Link for access to the full text' points to the 'View Abstract' button of the first article; 'Short summary of the article' points to the title of the first article.

Back to Search

My Tools

Results: 13
(from Web of Science Core Collection)

You searched for: TITLE:
(technology) AND TITLE:
(traffic) ...More

Create Alert

Refine Results

Search within results for...

Web of Science Categories

TRANSPORTATION SCIENCE
TECHNOLOGY (8)

ENGINEERING CIVIL (4)

Sort by: Publication Date -- newest to oldest

Select Page

Save to EndNote online

Add to Marked List

1. Cognitive Workload and Learning Assessment During the Implementation of a Next-Generation Air Traffic Control Technology Using Functional Near-Infrared Spectroscopy
By: Harrison, Joshua; Izzetoglu, Kurtulus; Ayaz, Hasan; et al.
IEEE TRANSACTIONS ON HUMAN-MACHINE SYSTEMS Volume: 44 Issue: 4 Pages: 429-440 Published: AUG 2014
KU Leuven View Abstract

2. A review on agent-based technology for traffic and transportation
By: Bazzan, Ana L. C.; Klugl, Franziska
KNOWLEDGE ENGINEERING REVIEW Volume: 29 Issue: 3 Pages: 375-403 Published: JUN 2014
KU Leuven View Abstract

3. Effects of vehicle technologies, traffic volume changes, incidents and work zones on greenhouse

Click on the title for more information: authors affiliation, keywords, impact factor, citations, journal information...

3. Web of Science

- Cited reference search

Web of Science®

Cited Reference Search (Find the articles that cite a person's work)

Step 1: Enter information about the cited work. Fields are combined with the Boolean AND operator.

* Note: Entering the title, volume, issue, or page in combination with other fields may reduce the number of cited reference variants found.

Example: O'Brian C* OR OBrian C*

in

Cited Author



[Select from Index](#)

Example: J Comp* Appl* Math* ([journal abbreviation list](#))

in

Cited Work



[Select from Index](#)

Example: 1943 or 1943-1945

in

Cited Year(s)



Magnetic and energetic properties of low-index Cr surfaces and Fe/Cr interfaces: A first-principles study

Author(s): Soulairol, R (Soulairol, R.)^[1]; Fu, CC (Fu, Chu-Chun)^[1]; Barreteau, C (Barreteau, C.)^[2]

Source: PHYSICAL REVIEW B **Volume:** 84 **Issue:** 15 **Article Number:** 155402 **DOI:** 10.1103/PhysRevB.84.155402 **Published:** OCT 5 2011

Times Cited: 5 (from Web of Science)

Cited References: 53 [[view related records](#)]  [Citation Map](#)

Abstract: Density functional theory calculations are performed to investigate the impact of magnetism on the energetics of low-index Cr surfaces and Fe/Cr interfaces, (100), and Fe/Cr(110). We have also determined the stability of various Cr magnetic structures, particularly the spin-density waves, in the presence of these surfaces and interfaces. The most stable structure of the spin-density waves is mainly dictated by the subtle balance between bulk and surface/interface influences and strongly dependent on the surface and interface properties.

3. Web of Science

- Advanced search

Advanced Search

Use field tags, Boolean operators, parentheses, and query sets to create your query. Results will appear in the Search History table at the bottom of the page. ([Learn more about Advanced Search](#))

Example: TS=(nanotub* AND carbon) NOT AU=Smalley RE
#1 NOT #2 [more examples](#) | [view the tutorial](#)

TS= ("environmental pollution" OR pollution OR environment) AND (allergy OR allergies OR "immunological disease" OR "hay fever") AND (children OR child OR toddler? OR youth))

Search

Restrict results by languages and document types:

All languages	All document types
English	Article
Afrikaans	Abstract of Published Item
Arabic	Art Exhibit Review

Booleans: AND, OR, NOT, SAME, NEAR

Field Tags:

TS= Topic	SG= Suborganization
TI= Title	SA= Street Address
AU= Author [Index]	CI= City
AI= Author Identifiers	PS= Province/State
GP= Group Author [Index]	CU= Country
ED= Editor	ZP= Zip/Postal Code
SO= Publication Name [Index]	FO= Funding Agency
DO= DOI	FG= Grant Number
PY= Year Published	FT= Funding Text
CF= Conference	SU= Research Area
AD= Address	WC= Web of Science Category
OG= Organization-Enhanced [Index]	IS= ISSN/ISBN
OO= Organization	UT= Accession Number

3. Web of Science

Search History:

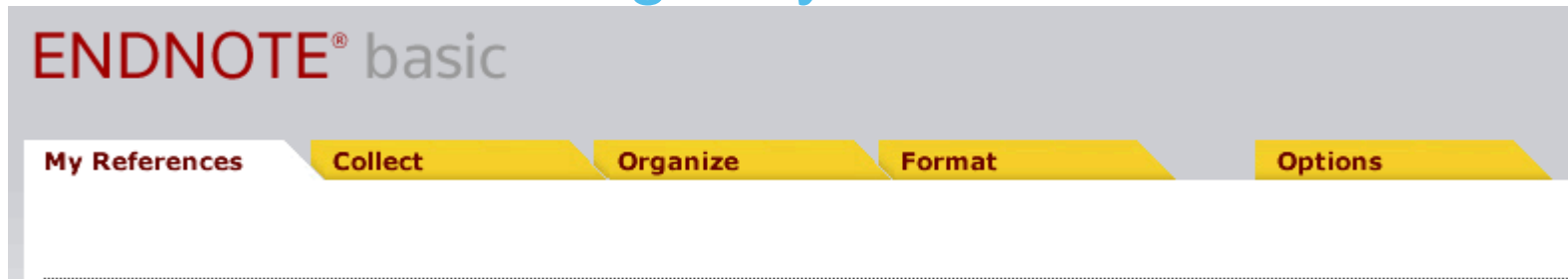
Set	Results		Save History / Create Alert	Open Saved History	Edit Sets	Combine Sets <input type="radio"/> AND <input type="radio"/> OR Combine	Delete Sets Select All Delete
# 2	1,491	TS= ("environmental pollution" OR pollution OR environment) AND (allergy OR allergies OR "immunological disease" OR "hay fever") AND (children OR child OR toddler? OR youth) <i>Indexes=SCI-EXPANDED Timespan=All years</i>			Edit	<input type="checkbox"/>	<input type="checkbox"/>
# 1	242	TOPIC: (environmental pollution) AND TOPIC: (children) AND TOPIC: (allergy) <i>Indexes=SCI-EXPANDED Timespan=All years</i>			Edit	<input type="checkbox"/>	<input type="checkbox"/>
						<input type="radio"/> AND <input type="radio"/> OR Combine	Select All Delete

4. How can I manage my search results?

Available reference managers:

- **EndNote**
- Zotero
 - see tutorial
 - https://www.zotero.org/support/screencast_tutorials/zotero_tour
- Mendeley
 - see tutorial
 - <http://www.mendeley.com/features/>

4. How can I manage my search results?



- **Free program for managing references**
 - *Registration and use*
 - *My references*: consult or browse your references
 - *Collect*: add references
 - *Organize*: create and share groups
 - *Format*: choose a citation style and export references
 - *Options*: profile and installation of plug-ins

4. EndNote: Registration and use

- In Web of science
- Use the same Login
- Access within the KU Leuven-network, off campus use via Limo
- Registration remains valid until 1 year after the latest login
- References anywhere accessible if internet provided

4. EndNote: My references

- **To consult or browse you own references**
- Various sorting options
- To copy references to various groups

4. EndNote: Collect

- **Add references to your own list**
- *Online search*: import references from catalogues or databases
- *New reference*: enter references manually
- *Import references* : upload references from files

4. EndNote: Organize

- **Create and share groups**
- *Manage my groups*: organize your own groups and share them with other users
- *Other's groups*: groups other users share with you
- *Find duplicates*: detect double references
- *Manage attachments*: add attachments to references

4. EndNote: Format

- **Choose citation styles and export references**
- *Bibliography*: create a list with references
- *Format paper*: change the citation style of your paper
- *Export references*: export references according to the format of other reference management software

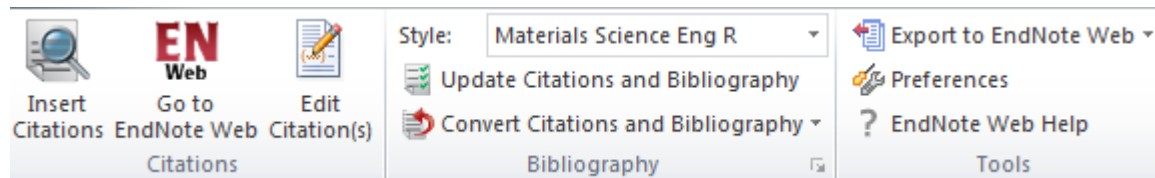
4. EndNote: Format

Cite while you write plug-in:

MS office word:

Inserts automatically references from ENW in your text and footnotes in the desired citation style.

Automatically builds up the bibliography at the end of your tekst.



4. EndNote: Options

- *Account information*
- *Change password*
- *Download installers*: information about installing Cite while you write and Capture reference

4. EndNote: Options

- *Capture reference tool:*
 - Internet Explorer or Mozilla Firefox, NOT in Google Chrome:
 - Automatically scans & extracts metadata of all the articles on your webpage and imports the references in Endnote Basic.



4. EndNote: LIMO: Push to Endnote

- Push to EndNote

The screenshot shows the EndNote LIMO interface. At the top, there are tabs for 'My Citations', 'Queries', and 'My Account'. Below these, there is a sidebar on the left with a folder icon and the text 'Basket (95)'. The main area is titled 'Basket' and contains a table of citations. The table has columns for 'Type', 'Author', 'Title', and 'Added'. The first row is highlighted in yellow and has a checkbox checked. A red arrow points from the text '1. Select the citation' to this checkbox. In the top right corner of the 'Basket' area, there is a dropdown menu with 'Push to EndNote' selected and a 'Go' button. A red arrow points from the text '2. Click on 'Go'' to this button.

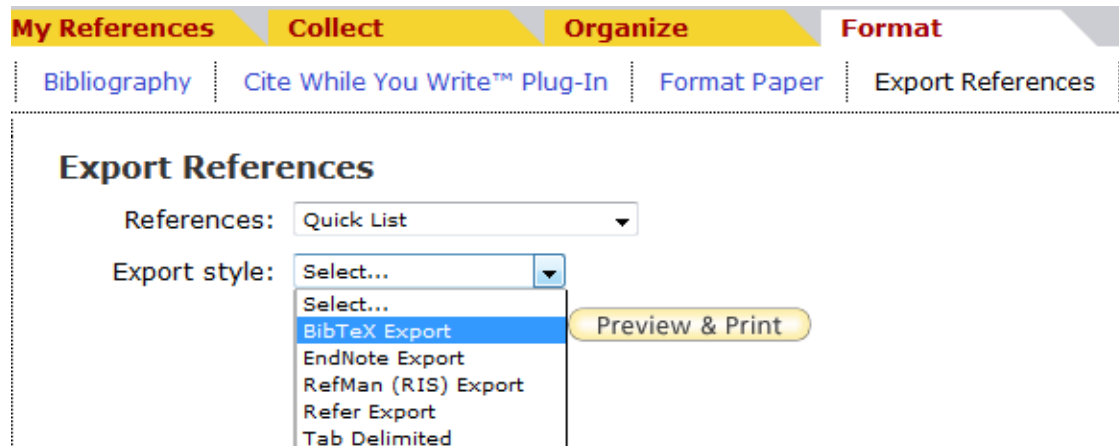
	Type	Author	Title	Added
<input checked="" type="checkbox"/>	Article	Chaperon, Samantha ; Bramwell, Bill	Dependency and agency in periphe...	20/09/12
<input type="checkbox"/>	Book	Beer, Günter (Editor)	Web design index 6	27/09/12
<input type="checkbox"/>	Article	Karkhaneh, M. ; Rowe, B.H. ; Saund...	Bicycle helmet use four years after...	01/10/12
<input type="checkbox"/>	Book	McKnight, Tom L.	Physical geography : a landscape...	21/02/13
<input type="checkbox"/>	Book	Holden, Joseph (Editor)	An introduction to physical geograp...	19/02/14
<input type="checkbox"/>	Article	Schijven, Jack F. ; Teunis, Peter F....	QMRAspot: A tool for Quantitative...	04/10/13
<input type="checkbox"/>	Book	Nellis, Gregory ; Klein, Sanford	Heat transfer	24/09/12
<input type="checkbox"/>	Book	Viney, Peter	Departures in reading	05/10/12
<input type="checkbox"/>	Article	Visser, P ; van Dam, F ; Hooimeijer, P	Residential environment and spatia...	29/02/12

1. Select the citation

2. Click on 'Go'

4. EndNote: LaTeX / BibTeX

- **LaTeX**
 - Popular program to write scientific papers
- **BibTeX-format**
 - BibTeX = bibliographic tool that is used with LaTeX to help organize the user's references and create a bibliography
- **References from Endnote → BibTeX**

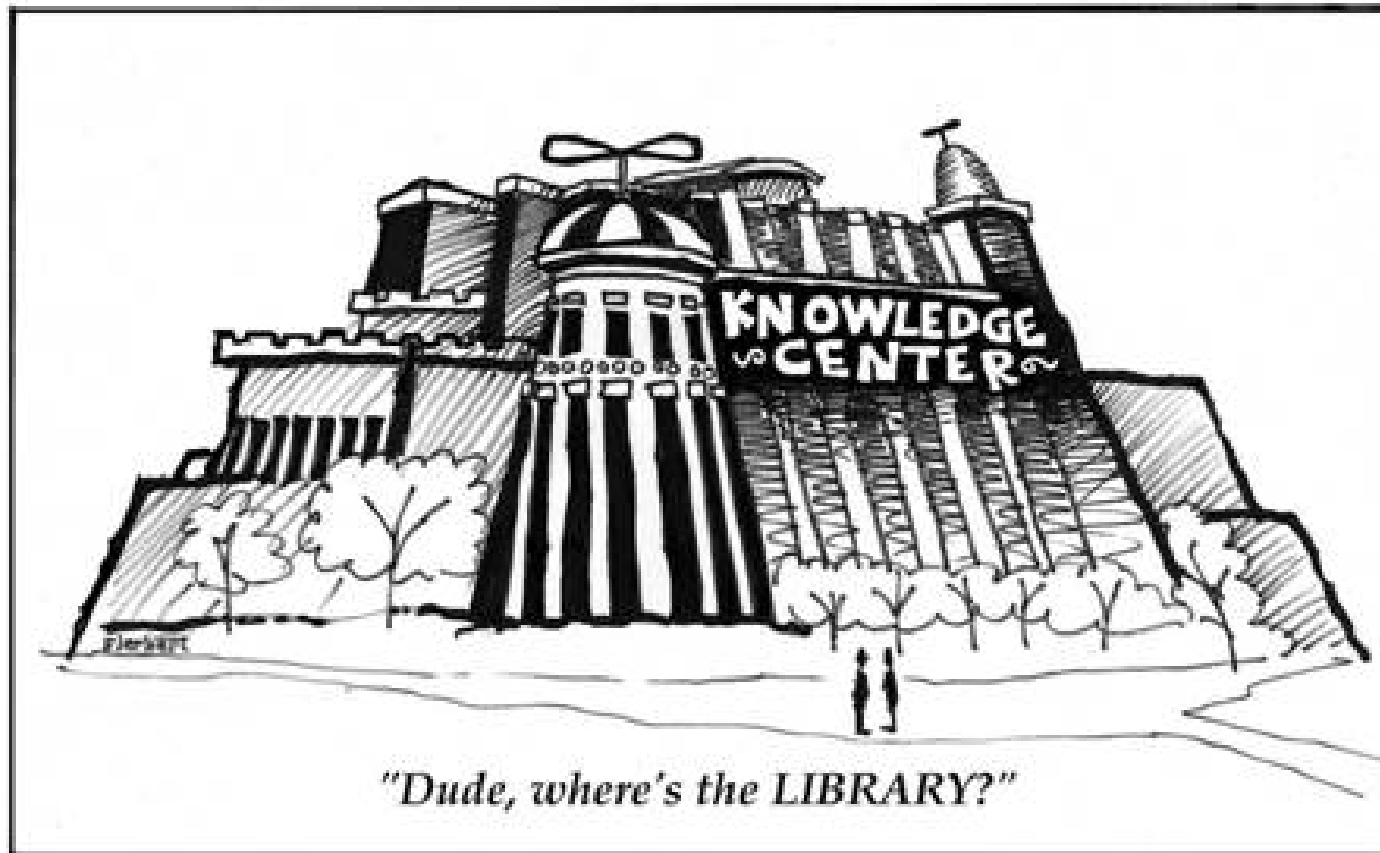


- <http://latex.ugent.be/bibtex.php>
- <http://latex.ugent.be/februari-2006-van-endnote-naar-bibtex>

5. References / Bibliography / Plagiarism

- Which reference style? See start document thesis
- Refer / Cite always, except:
 - Own ideas
 - “Common knowledge”
- Online materials:
 - always mention the date you accessed the page
 - give as much information as possible
 - use copy/paste for the URL
 - DOI: 10.1016/j.intimp.2014.06.005
- Plagiarism

Questions ?



"From Library to Knowledge Center: Building a Website to Introduce a New Building to the Community,"
Araby Greene, *Library Philosophy and Practice*, Vol. 9, no. 1 (Fall 2006).