Literature Survey using webofscience™

NPTEL COURSE MODULE

Disclaimer

- This module is one of the many to illustrate usage of different online tools for literature survey. In this module, WebofScience™ is being demonstrated.
- This module is not authorized by Thomson Reuters™ and viewers are advised to check with their librarian for guidance on applicable restrictions, licenses and copyrights.
- WebofScience ™, EndNote ™, WebofKnowledge ™ are trademarks of THOMSON REUTERS ™
- For simplicity, the ™ symbol is being omitted for the rest of the presentation.

Check list before you start

- Ask your librarian if you have a subscription for ISI WebofScience
- If yes, is the access via IP address or roaming login?
- If access is through IP, what is the proxy you need to go through while using your browser? Does the proxy need authentication? If yes, can you get one for yourself?
- If access is through roaming login, can you get the username and password for your use?

URLs – two different tabs in your browser

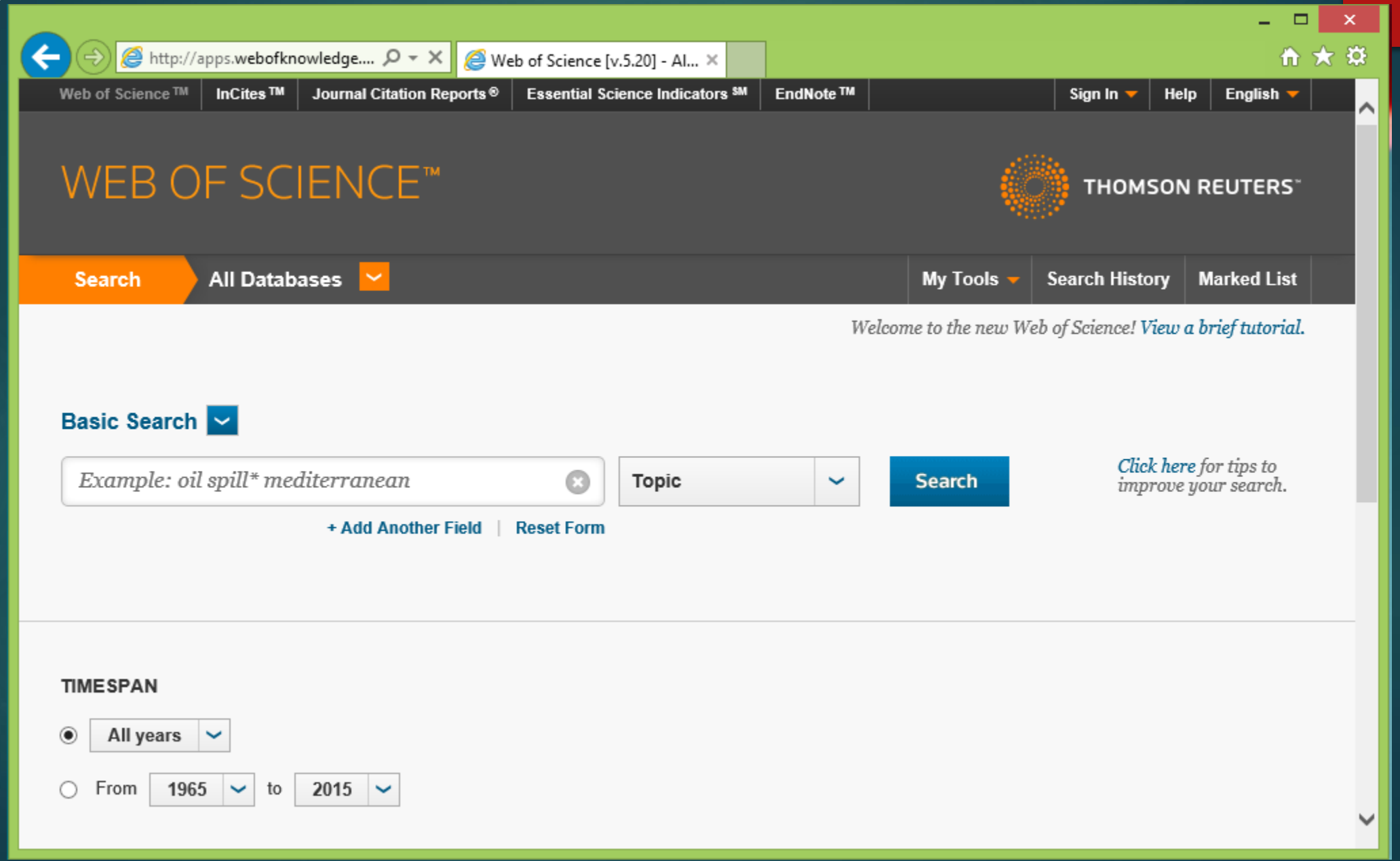
http://apps.webofknowledge.com/

http://www.myendnoteweb.com/

In case the URLs have moved to a different location, do an internet search of ISI Knowledge, Web of Science, EndNote Web etc., to pick the correct URL

If you do not have access:

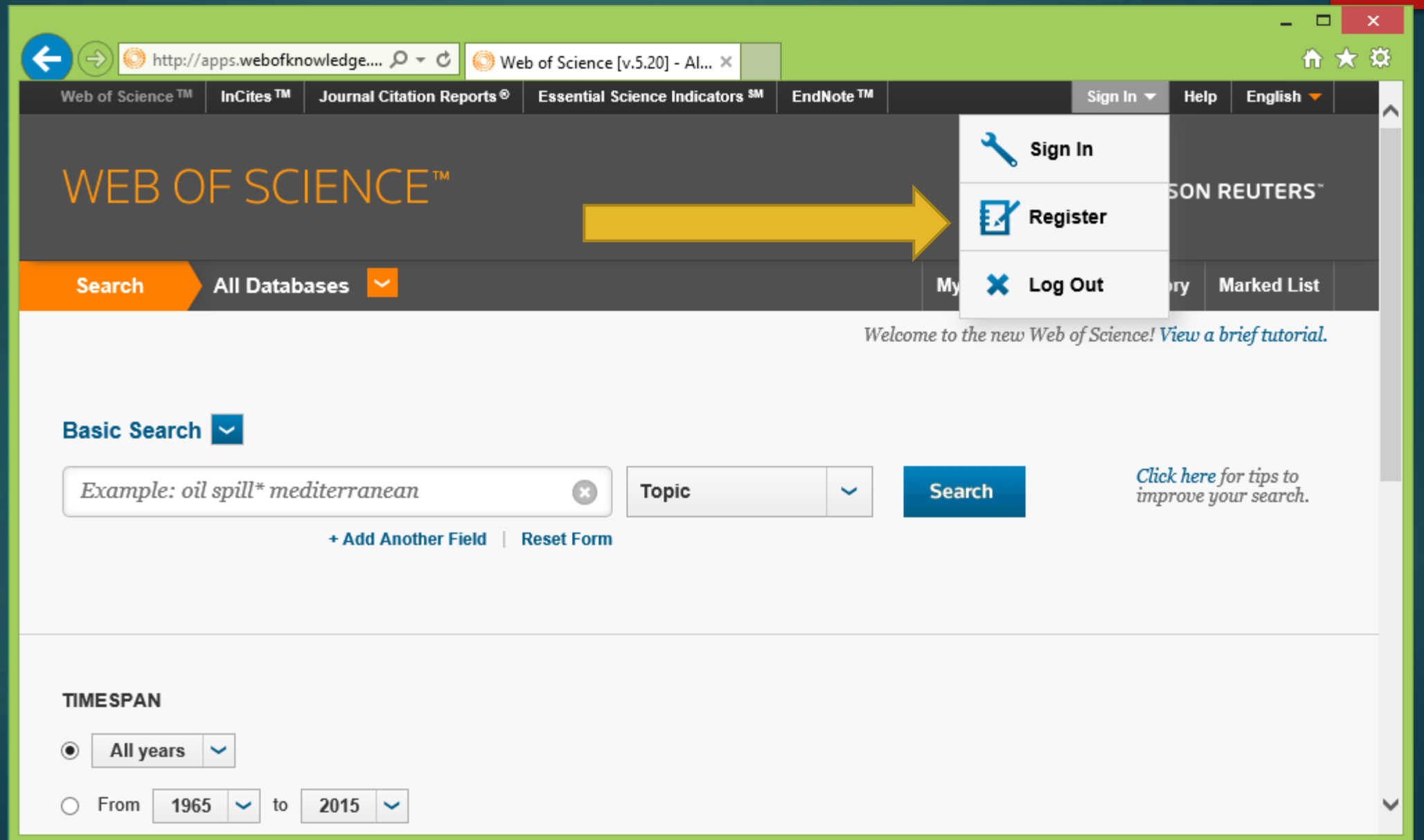
If you have access:

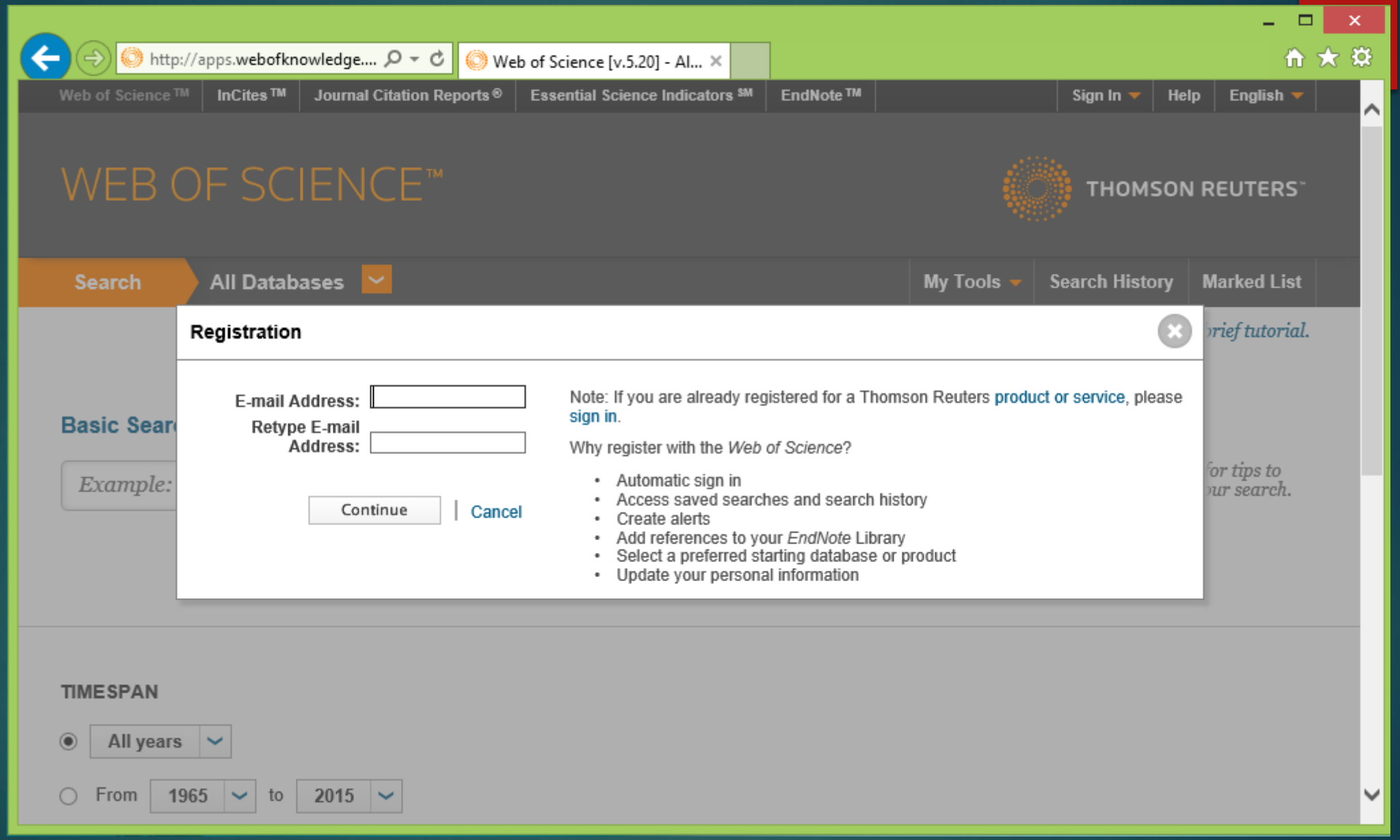


Check list if you have access

- Register yourself and obtain a login and password on webofscience. Prefer your official email address as username.
- Register yourself and obtain a login and password on EndNote web. Prefer your official email address as username.
- Keep the credentials handy and login to both the portals.

Registering on webofscience

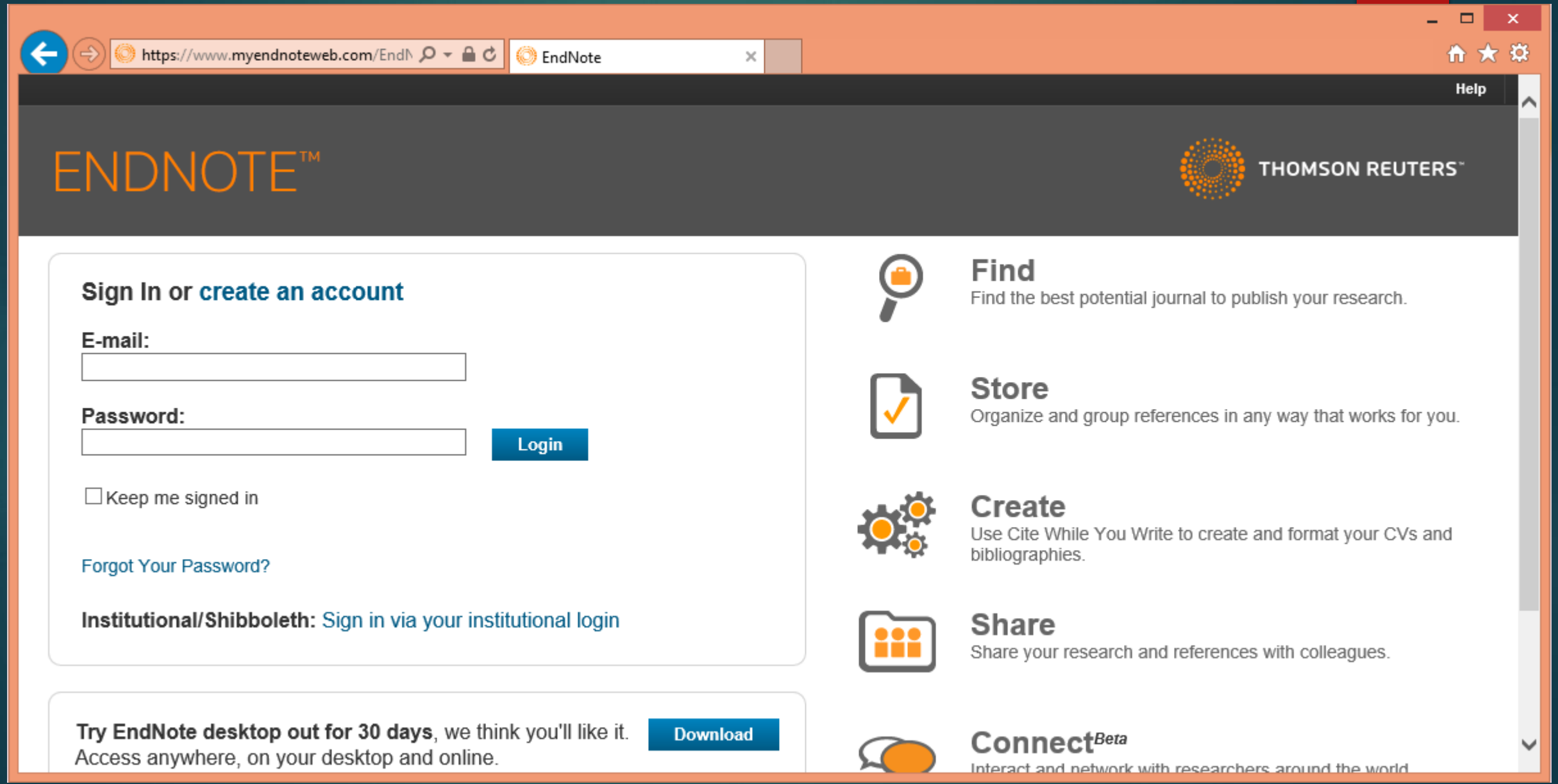



http://apps.webofknowledge....
Web of Science [v.5.20] - Al...
Web of Science™
InCites™
Journal Citation Reports®
Essential Science Indicators℠
EndNote™
Sign In
Help
English
WEB OF SCIENCE™
THOMSON REUTERS
Search
All Databases
My Tools
Search History
Marked List
Registration
E-mail Address:
Retype E-mail Address:
Continue
Cancel
Note: If you are already registered for a Thomson Reuters product or service, please sign in.
Why register with the Web of Science?
Automatic sign in
Access saved searches and search history
Create alerts
Add references to your EndNote Library
Select a preferred starting database or product
Update your personal information
Basic Sear
Example:
TIMESPAN
All years
From
1965
to
2015

Why login to webofscience?

- Save searches and search history
- Add references to EndNote library

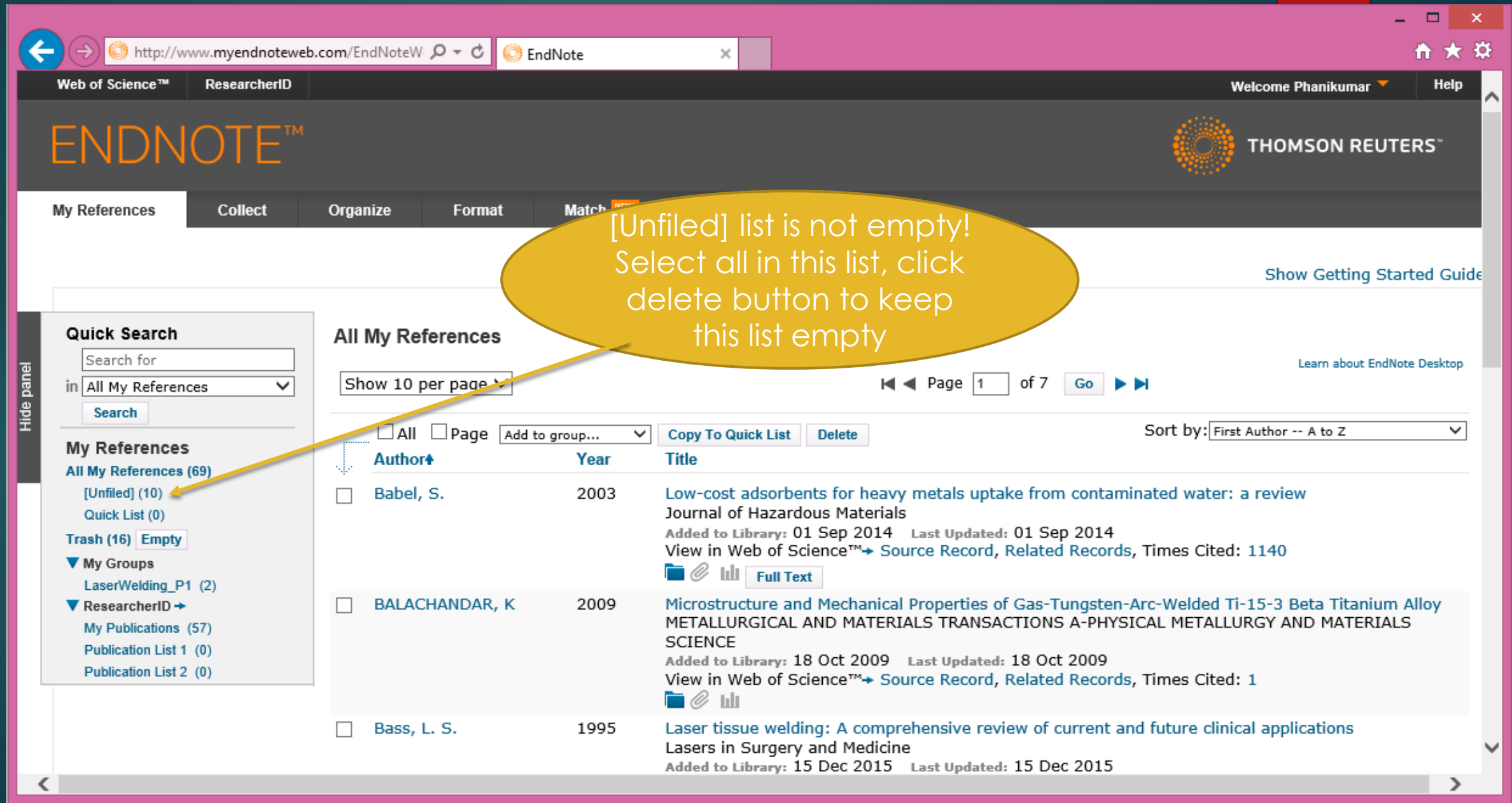
Registering on EndNote



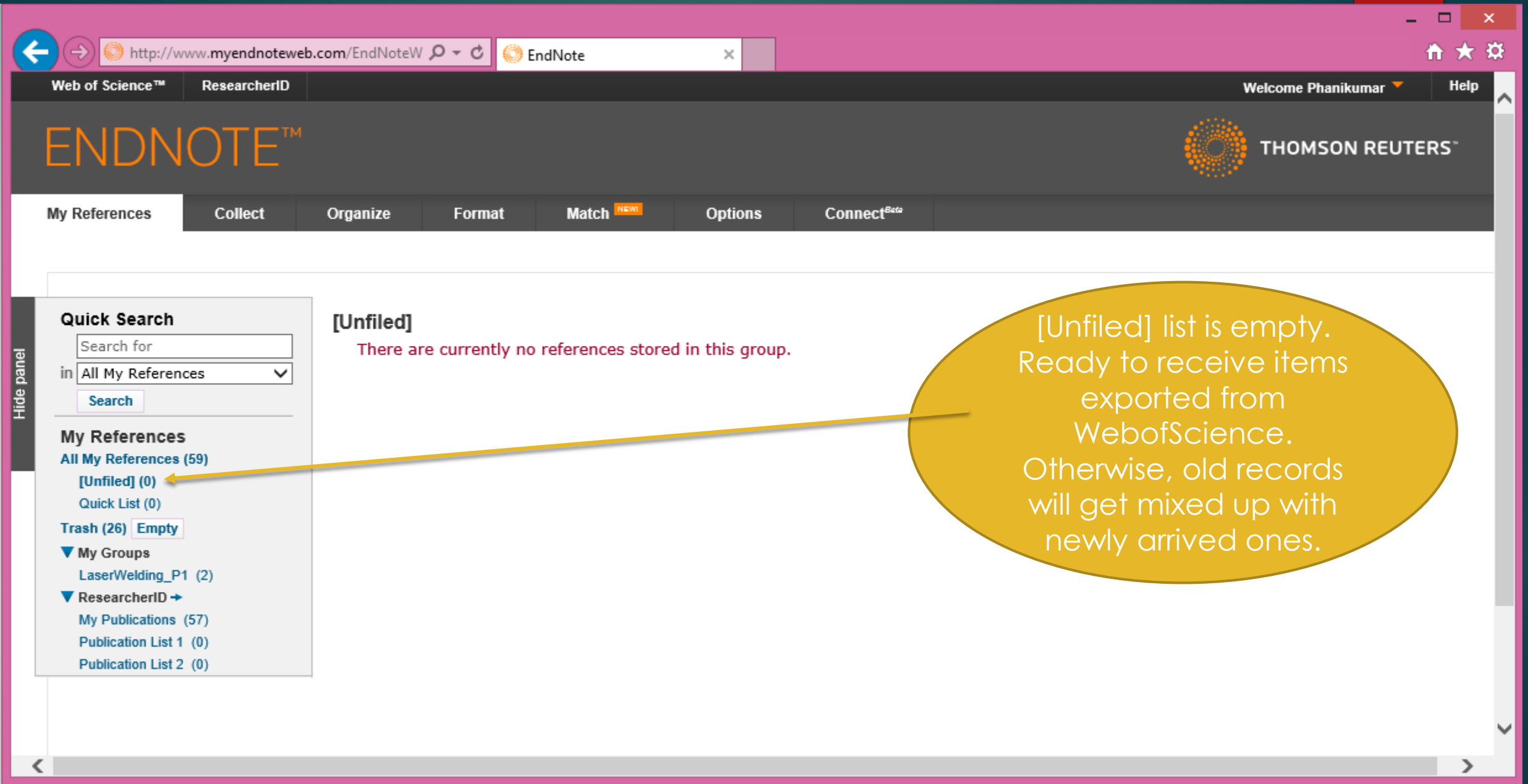
Why login to EndNote?

- You can save selected references as lists
- Export lists in different formats – BibTeX and RIS
- After logging in …
- Keep the [Unfiled] list empty. That is where the bibliographic items selected and exported from WebofScience will arrive in.

Example of Logged in screen of EndNote

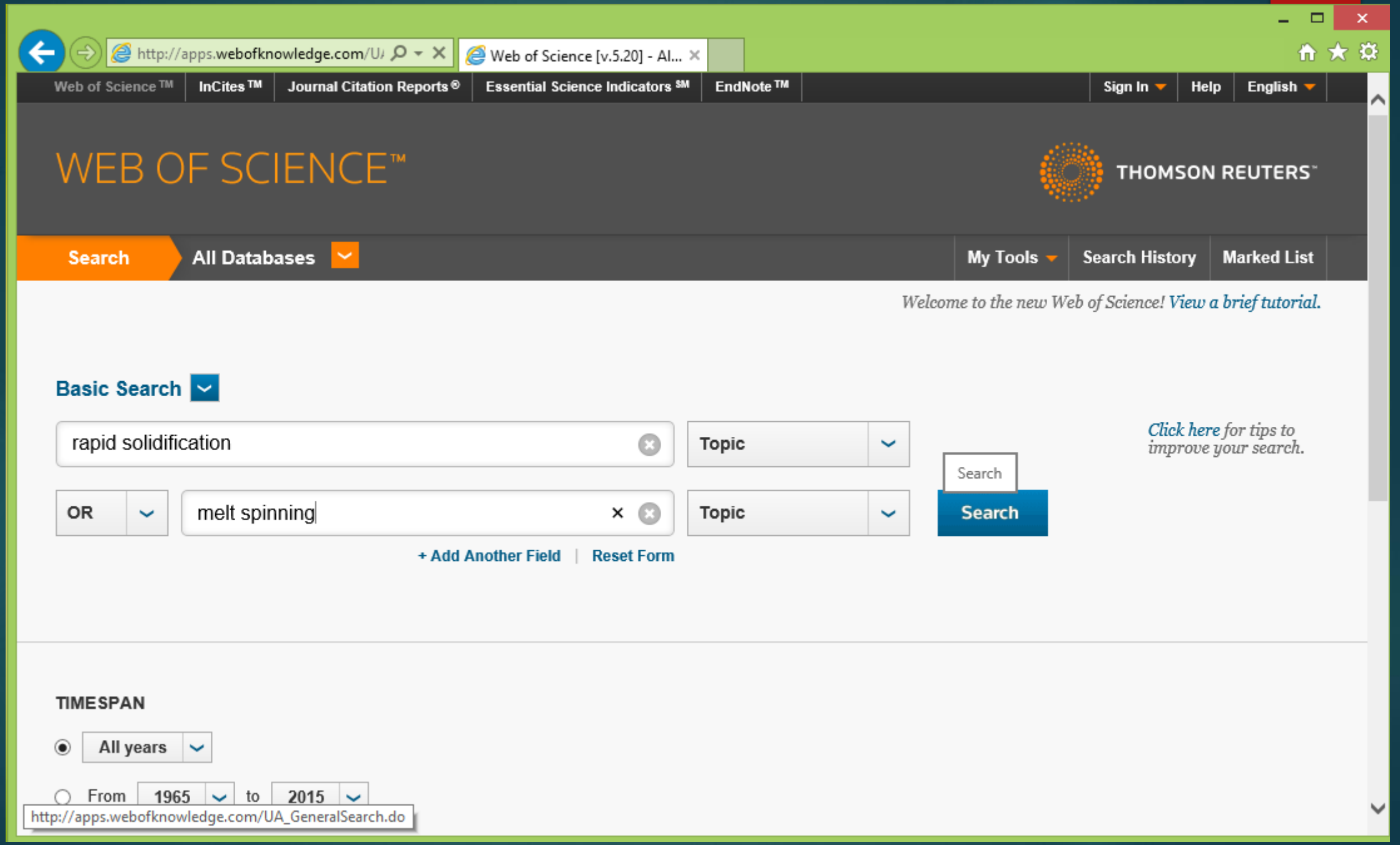


Example of logged in screen of EndNote



Keyword based search

- Choose alternate keywords with “OR” combination
- Choose the fields carefully : Topic / Title / Author / Author Identifiers / Editor / Group Author / Publication Name / DOI / Year Published / Address
- Choose the timespan :
  - All years
  - Specific year range (From YYYY to YYYY)
- Use advanced search features to construct a search string combining different fields, values and Boolean operators / parentheses.


http://apps.webofknowledge.com/U
Web of Science [v.5.20] - Al...
Web of Science™
InCites™
Journal Citation Reports®
Essential Science Indicators℠
EndNote™
Sign In
Help
English
WEB OF SCIENCE™
THOMSON REUTERS
Search
All Databases
My Tools
Search History
Marked List
Welcome to the new Web of Science! View a brief tutorial.
Basic Search
rapid solidification
Topic
Click here for tips to improve your search.
Search
OR
melt spinning
Topic
Search
+ Add Another Field | Reset Form
TIMESPAN
All years
From 1965 to 2015
http://apps.webofknowledge.com/UA_GeneralSearch.do

http://apps.webofknowledge.com/summary

EndNote

Web of Science [v.5.20] - All...

Web of Science™ | InCites™ | Journal Citation Reports® | Essential Science Indicators℠ | EndNote™ | Phanikumar | Help | English

WEB OF SCIENCE™

THOMSON REUTERS

Search | My Tools | Search History | Marked List

Results: 18,200
(from All Databases)
(Number of results is approximate)

You searched for: TOPIC: (rapid solidification) *OR* TOPIC: (melt spinning) ...More

Refine Results

Search within results for...

Databases

Research Domains

- SCIENCE TECHNOLOGY
- SOCIAL SCIENCES
- ARTS HUMANITIES

Refine

Sort by: Relevance

- Publication Date -- newest to oldest
- Publication Date -- oldest to newest
- Recently Added
- Times Cited -- highest to lowest
- Times Cited -- lowest to highest
- Usage Count -- Last 180 days
- Usage Count -- Since 2013
- Relevance
- First Author -- A to Z

Page 1 of 1,820

Select

Note online | Add to Marked List

Citation Report feature not available. [?]

1. ...un ribbons
...Hamane, Daisuke
...TIC MATERIALS Volume: 349 Pages: 9-14 Published:
...stract

Times Cited: 4
(from All Databases)
Usage Count

2. **Magnetocaloric effect and refrigerant capacity in melt-spun Gd-Mn alloys**
By: Jayaraman, Tanjore V.; Boone, Laura; Shield, Jeffrey E.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 345 Pages: 153-158
Published: NOV 2013
Full Text from Publisher | View Abstract

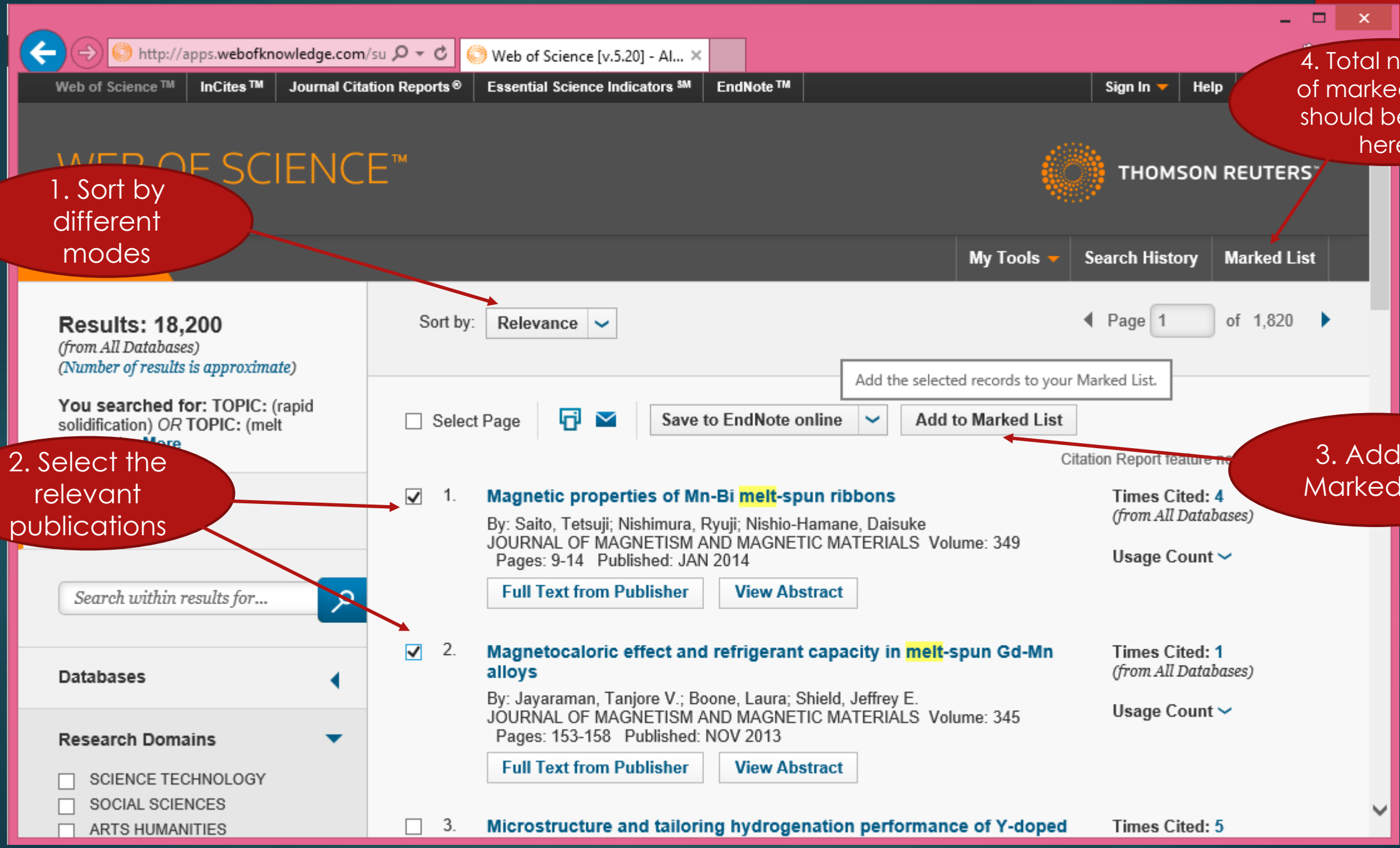
Times Cited: 1
(from All Databases)
Usage Count

3. **Microstructure and tailoring hydrogenation performance of Y-doped Mg2Ni alloys**
By: Song, Wenjie; Li, Jinshan; Zhang, Tiebang; et al.
JOURNAL OF POWER SOURCES Volume: 245 Pages: 808-815 Published: JAN 1 2014
Full Text from Publisher | View Abstract

Times Cited: 5
(from All Databases)
Usage Count

Looking at the search results

- Publication Date – newest to oldest : What is the latest in this area?
- Publication Date – oldest to newest : What are the early publications in this area?
- Times cited – highest to lowest : What are the most referred publications in this area?
- Times cited – lowest to highest : What are the least referred or ignored publications in this area?
- Usage count – Last 180 days : What publications are picked up by most users in the last 6 months on this portal?
- Usage count – Since 2013 : What publications are picked up by most users on this portal?
- Relevance – What publications match the search criteria closest?
- First Author, Conference Title – A to Z / Z to A, Recently Added etc.


http://apps.webofknowledge.com/su
Web of Science [v.5.20] - Al...
Web of Science™ | InCites™ | Journal Citation Reports® | Essential Science Indicators℠ | EndNote™ | Sign In | Help
WEB OF SCIENCE™
THOMSON REUTERS
My Tools | Search History | Marked List
1. Sort by different modes
4. Total number of marked items should be listed here.
Results: 18,200
(from All Databases)
(Number of results is approximate)
You searched for: TOPIC: (rapid solidification) OR TOPIC: (melt
Sort by: Relevance
Page 1 of 1,820
Add the selected records to your Marked List.
Select Page
Save to EndNote online
Add to Marked List
2. Select the relevant publications
3. Add to Marked List
1. Magnetic properties of Mn-Bi melt-spun ribbons
By: Saito, Tetsuji; Nishimura, Ryuji; Nishio-Hamane, Daisuke
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 349
Pages: 9-14 Published: JAN 2014
Full Text from Publisher | View Abstract
Times Cited: 4
(from All Databases)
Usage Count
2. Magnetocaloric effect and refrigerant capacity in melt-spun Gd-Mn alloys
By: Jayaraman, Tanjore V.; Boone, Laura; Shield, Jeffrey E.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS Volume: 345
Pages: 153-158 Published: NOV 2013
Full Text from Publisher | View Abstract
Times Cited: 1
(from All Databases)
Usage Count
3. Microstructure and tailoring hydrogenation performance of Y-doped
Times Cited: 5
Search within results for...
Databases
Research Domains
SCIENCE TECHNOLOGY
SOCIAL SCIENCES
ARTS HUMANITIES

Steps to collecting the reference items

- Under each method of sorting the search results, “select” those you feel are important for your literature survey by “checking the box” against those items.
- Click on the button “Add to Marked List” to add these to your cart.
- The “Marked List” tab shows how many items are in the list currently.
- Once you are done collecting, click on the “Marked List tab” to proceed to the 3 step process of collecting the data.
  - Step 1: Select records (within this Marked List – usually all)
  - Step 2: Select content (choose abstract also, helps in identifying which publications to find the full text of)
  - Step 3: Select destination (choose Save to EndNote online)

WEB OF SCIENCE™

THOMSON REUTERS

Marked List 12 records

Your Marked List contains records from 1 database(s).
For bibliographic data, you can output summary data for all records using the "total records" view, or output more product-specific data from each listed database.

12 total records on the Marked List
Output author, title, source, abstract, and times cited for all records in the Marked List.

Clear Marked List

Output Records [– Hide Output Options]

Step 1: Select records.

- (•) All records in this list (up to 500)
- ( ) All records on page
- ( ) Records [ ] to [ ]

Step 2: Select content.

Select from the fields below:

Step 3: Select destination. [Learn about saving to bibliographic software]

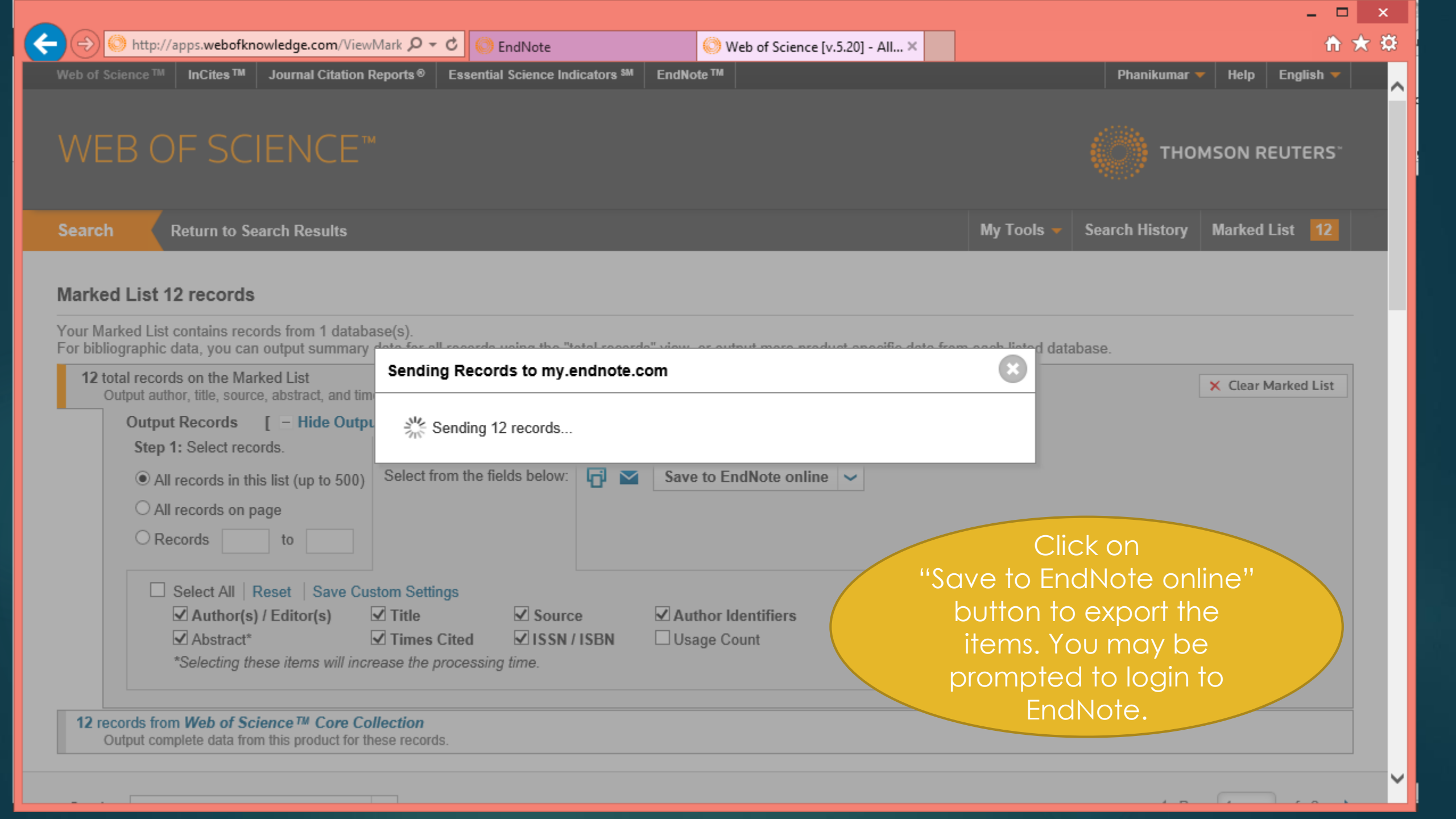
Save to EndNote online

[ ] Select All | Reset | Save Custom Settings

[x] **Author(s) / Editor(s)**	[x] **Title**	[x] **Source**	[x] **Author Identifiers**
[x] Abstract*	[x] **Times Cited**	[x] **ISSN / ISBN**	[ ] Usage Count

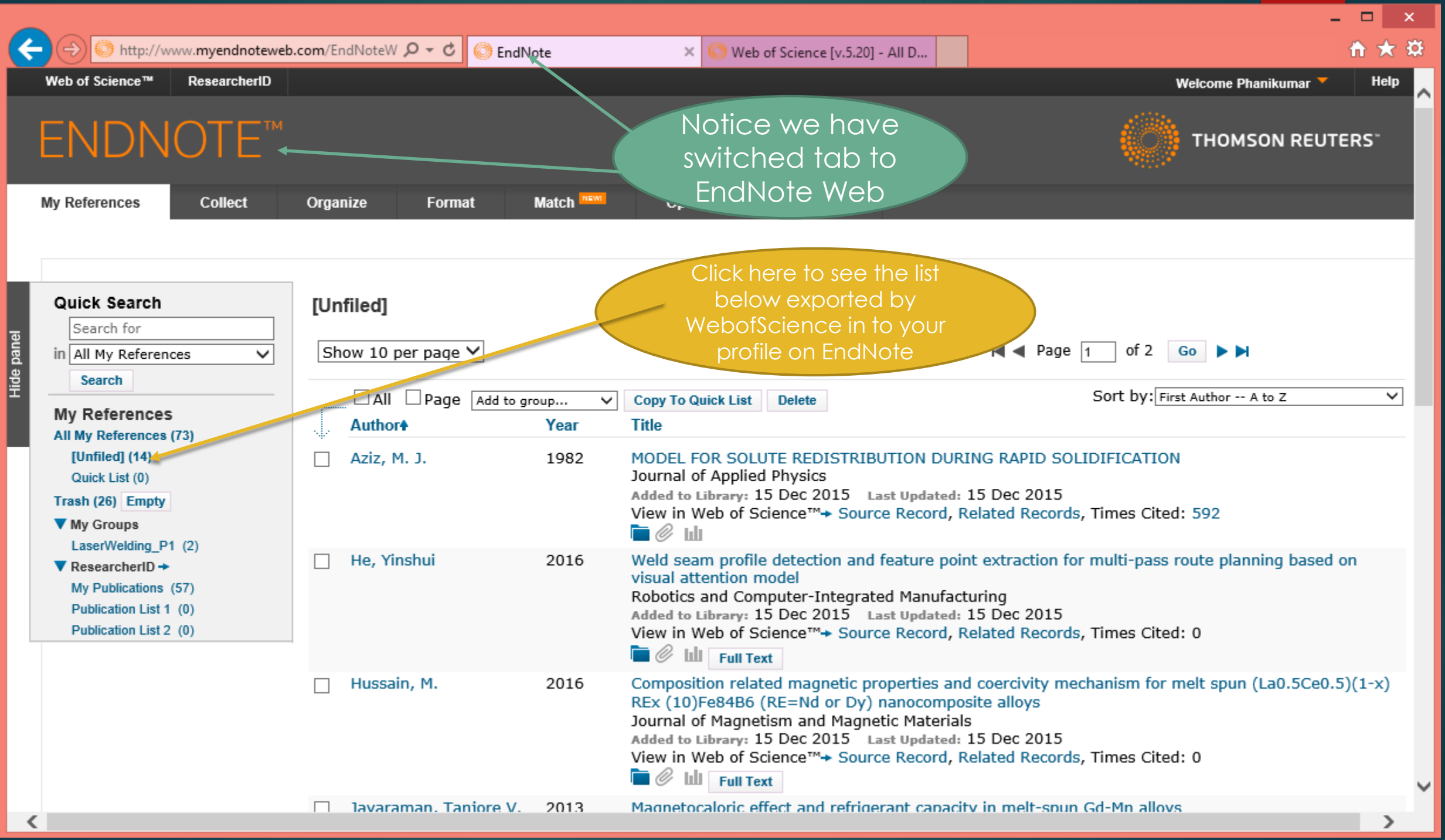
**Selecting these items will increase the processing time.*

12 records from ***Web of Science™ Core Collection***
Output complete data from this product for these records.


http://apps.webofknowledge.com/ViewMark
EndNote
Web of Science [v.5.20] - All...
Web of Science ™
InCites ™
Journal Citation Reports ®
Essential Science Indicators SM
EndNote ™
Phanikumar
Help
English
WEB OF SCIENCE™
THOMSON REUTERS
Search
Return to Search Results
My Tools
Search History
Marked List 12
Marked List 12 records
Your Marked List contains records from 1 database(s).
For bibliographic data, you can output summary
database.
12 total records on the Marked List
Output author, title, source, abstract, and tim
Clear Marked List
Output Records
Hide Outpu
Step 1: Select records.
All records in this list (up to 500)
All records on page
Records
to
Sending Records to my.endnote.com
Sending 12 records...
Select from the fields below:
Save to EndNote online
Select All
Reset
Save Custom Settings
Author(s) / Editor(s)
Title
Source
Author Identifiers
Abstract*
Times Cited
ISSN / ISBN
Usage Count
*Selecting these items will increase the processing time.
12 records from Web of Science™ Core Collection
Output complete data from this product for these records.
Click on "Save to EndNote online" button to export the items. You may be prompted to login to EndNote.

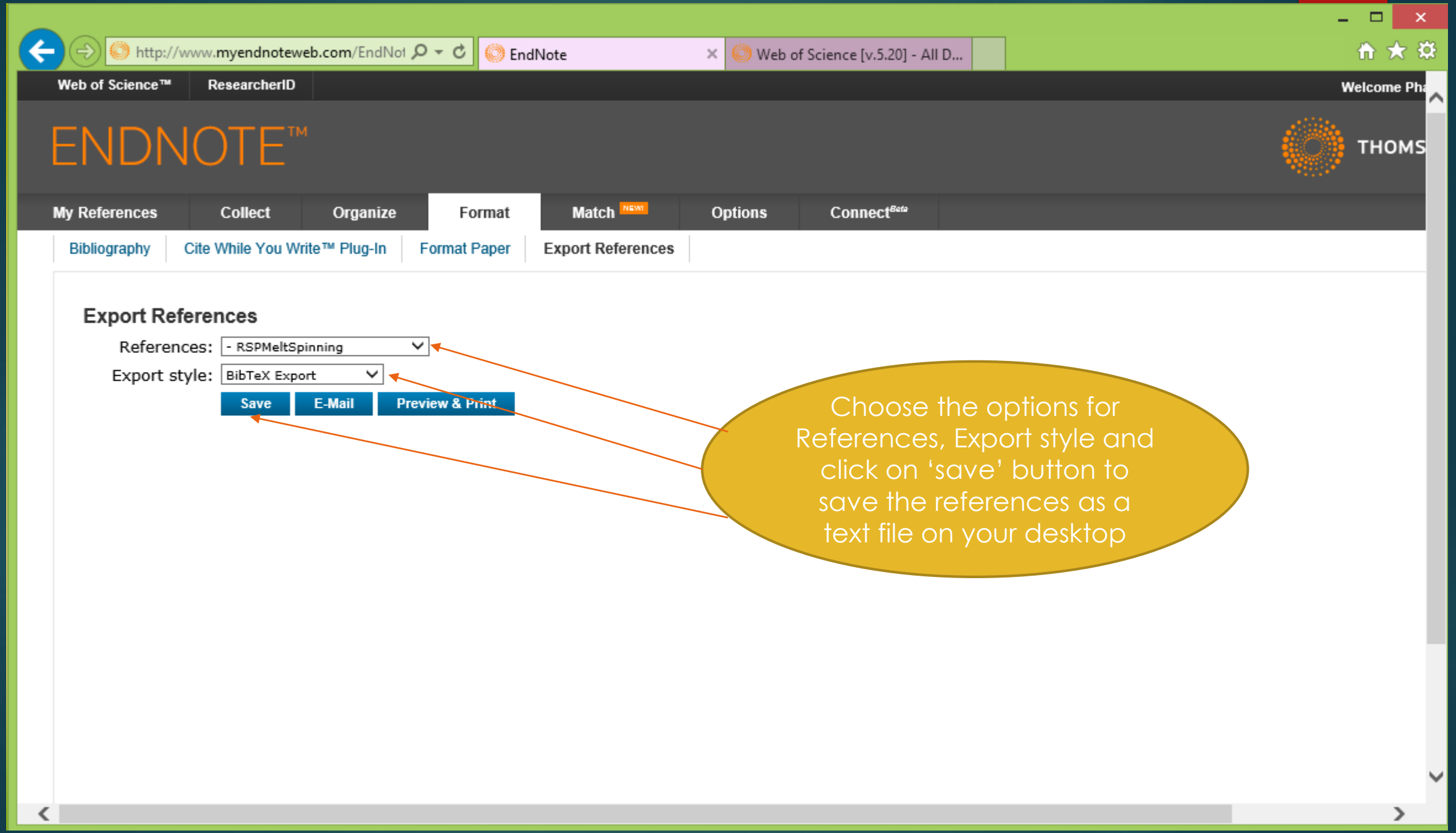
Viewing the exported items in EndNote

- Once the dialogue to export the items to EndNote online has completed, login to endnote.com portal in a separate tab of your browser.
- Click on the link "[Unfiled]" under "All My References" in the left hand sidebar.
- You should see the same set of items here as you have exported from WebofScience portal.


http://www.myendnoteweb.com/EndNoteW
EndNote
Web of Science [v.5.20] - All D...
Web of Science™
ResearcherID
Welcome Phanikumar
Help
ENDNOTE™
THOMSON REUTERS
Notice we have switched tab to EndNote Web
My References
Collect
Organize
Format
Match
Click here to see the list below exported by WebofScience in to your profile on EndNote
Hide panel
Quick Search
Search for
in All My References
Search
My References
All My References (73)
[Unfiled] (14)
Quick List (0)
Trash (26) Empty
My Groups
LaserWelding_P1 (2)
ResearcherID
My Publications (57)
Publication List 1 (0)
Publication List 2 (0)
[Unfiled]
Show 10 per page
Page 1 of 2 Go
All Page
Add to group...
Copy To Quick List
Delete
Sort by: First Author -- A to Z
Author
Year
Title
Aziz, M. J. 1982 MODEL FOR SOLUTE REDISTRIBUTION DURING RAPID SOLIDIFICATION
Journal of Applied Physics
Added to Library: 15 Dec 2015 Last Updated: 15 Dec 2015
View in Web of Science™ Source Record, Related Records, Times Cited: 592
He, Yinshui 2016 Weld seam profile detection and feature point extraction for multi-pass route planning based on visual attention model
Robotics and Computer-Integrated Manufacturing
Added to Library: 15 Dec 2015 Last Updated: 15 Dec 2015
View in Web of Science™ Source Record, Related Records, Times Cited: 0
Full Text
Hussain, M. 2016 Composition related magnetic properties and coercivity mechanism for melt spun (La0.5Ce0.5)(1-x) REx (10)Fe84B6 (RE=Nd or Dy) nanocomposite alloys
Journal of Magnetism and Magnetic Materials
Added to Library: 15 Dec 2015 Last Updated: 15 Dec 2015
View in Web of Science™ Source Record, Related Records, Times Cited: 0
Full Text
Jayaraman, Tanjore V. 2013 Magnetocaloric effect and refrigerant capacity in melt-spun Gd-Mn alloys

Save the list and export

- Click on "[Unfiled]" link to view all the items
- Click on the checkbox "All" to select all the items
- Choose "New group" under the drop down menu "Add to Group" and give a nice name to this list
- This new list will now appear under "My Groups".
- Click on the tab "Format" and choose "Export references"
- Under Export References, choose the new group of references you just made, choose the Export style to "BibTeX Export" and click on the "save" button to have the data reach your desktop as a text file "exportlist.txt"
- Rename the text file preferably same as the name of the group you created on EndNote web and keep the extension as ".bib".


http://www.myendnoteweb.com/EndNot
EndNote
Web of Science [v.5.20] - All D...
Web of Science™
ResearcherID
Welcome Pha
ENDNOTE™
THOMS
My References
Collect
Organize
Format
Match NEW!
Options
Connect Beta
Bibliography
Cite While You Write™ Plug-In
Format Paper
Export References
Export References
References: - RSPMeltSpinning
Export style: BibTeX Export
Save
E-Mail
Preview & Print
Choose the options for References, Export style and click on 'save' button to save the references as a text file on your desktop

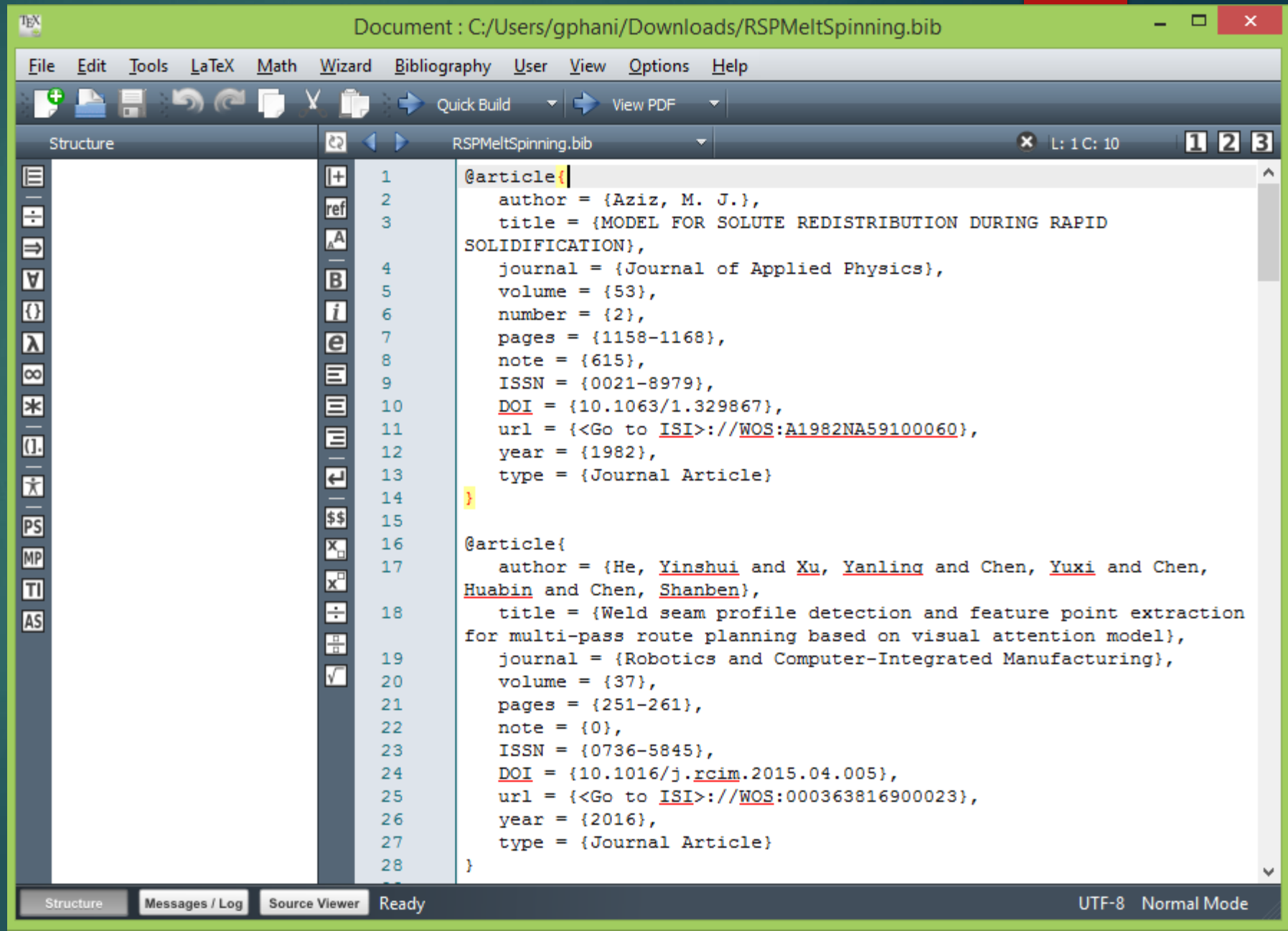
How does this file look like? In notepad:

RSPMeltSpinning.bib - Notepad

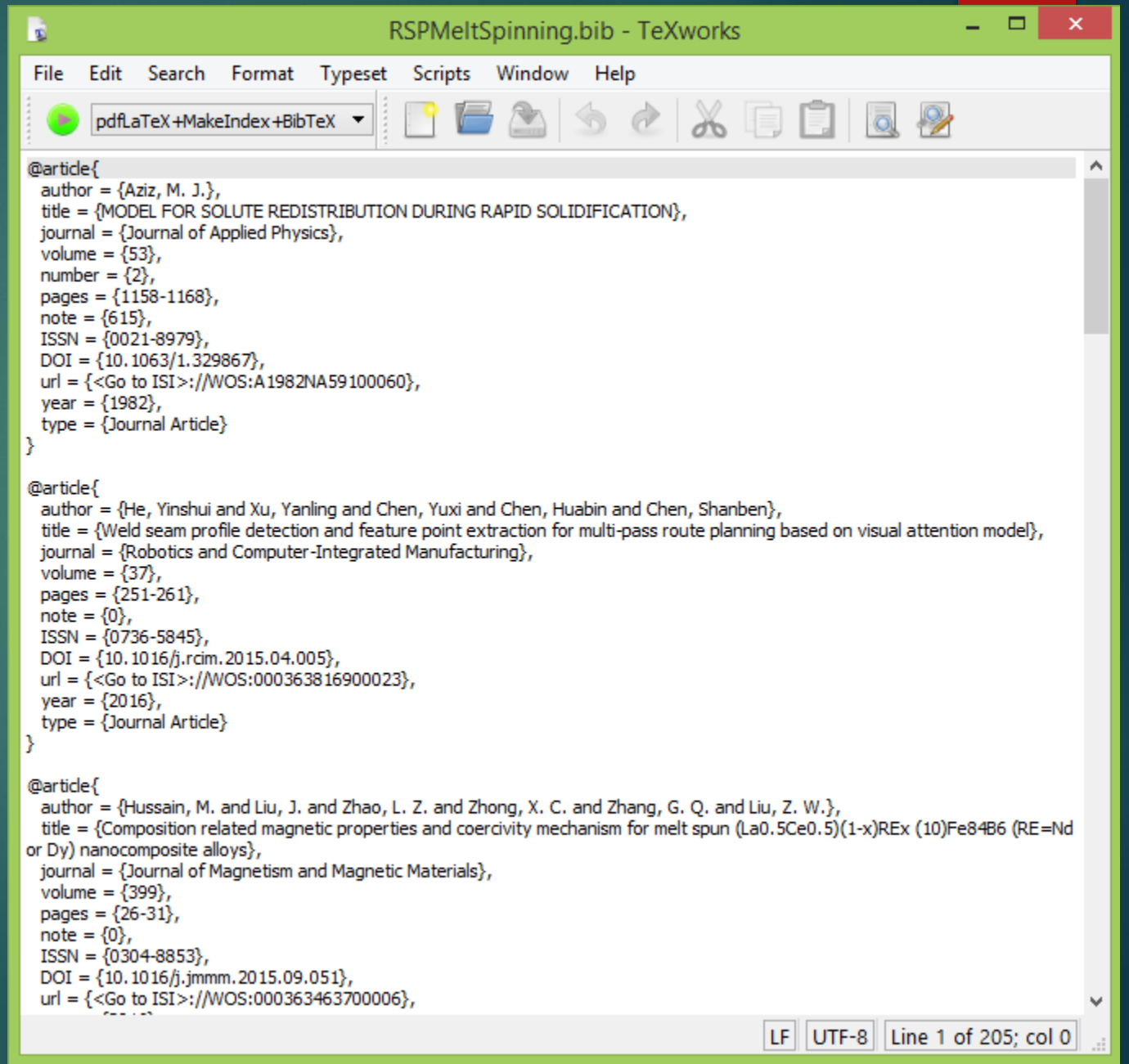
File Edit Format View Help

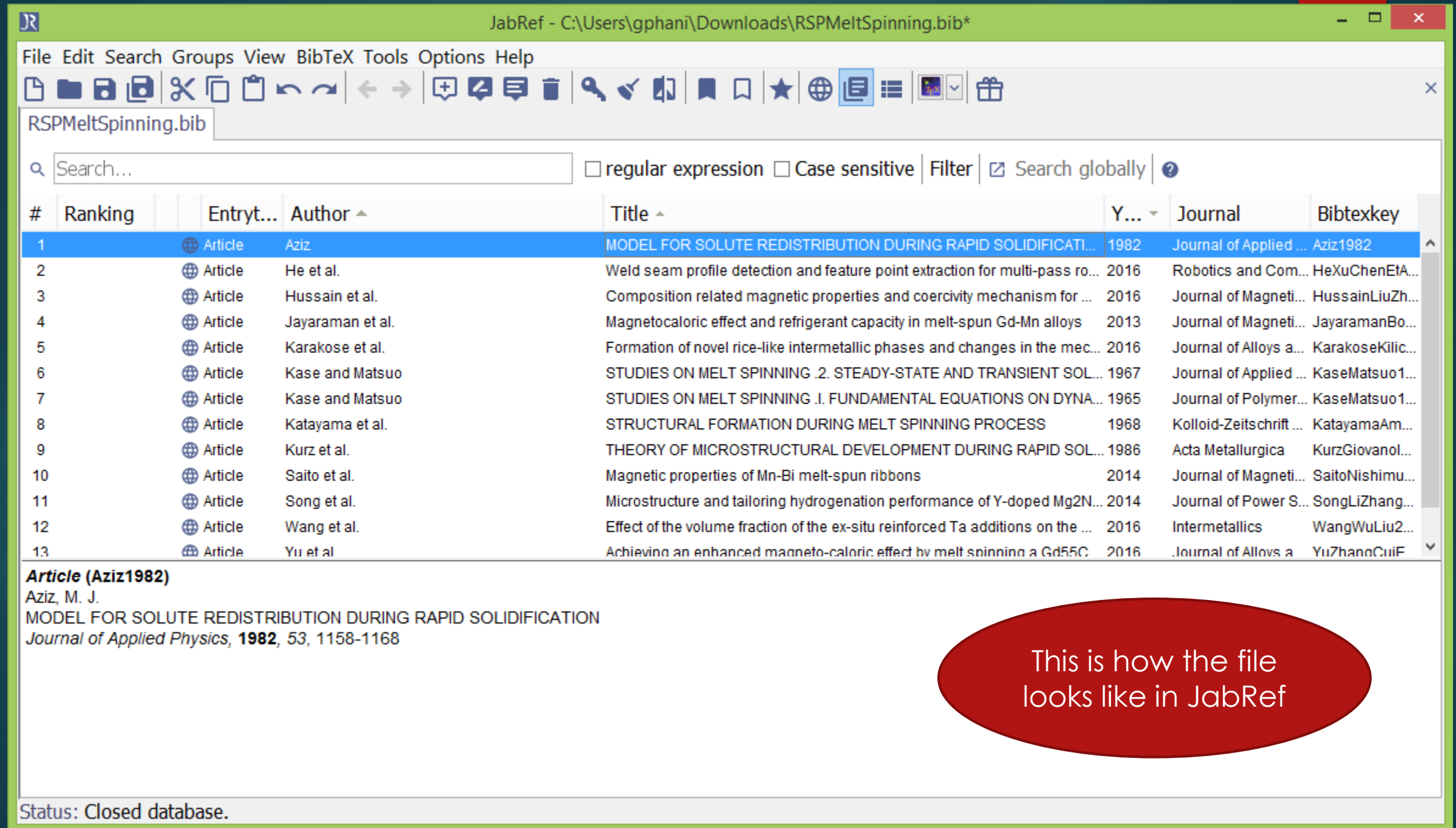
```
@article{   author = {Aziz, M. J.},   title = {MODEL FOR SOLUTE REDISTRIBUTION DURING RAPID
SOLIDIFICATION},   journal = {Journal of Applied Physics},   volume = {53},   number = {2},
  pages = {1158-1168},   note = {615},   ISSN = {0021-8979},   DOI = {10.1063/1.329867},
url = {<Go to ISI>://WOS:A1982NA59100060},   year = {1982},   type = {Journal Article}}
@article{   author = {He, Yinshui and Xu, Yanling and Chen, Yuxi and Chen, Huabin and Chen,
Shanben},   title = {Weld seam profile detection and feature point extraction for multi-
pass route planning based on visual attention model},   journal = {Robotics and Computer-
Integrated Manufacturing},   volume = {37},   pages = {251-261},   note = {0},   ISSN =
{0736-5845},   DOI = {10.1016/j.rcim.2015.04.005},   url = {<Go to
ISI>://WOS:000363816900023},   year = {2016},   type = {Journal Article}}

@article{   author = {Hussain, M. and Liu, J. and Zhao, L. Z. and Zhong, X. C. and Zhang,
G. Q. and Liu, Z. W.},   title = {Composition related magnetic properties and coercivity
mechanism for melt spun (La0.5Ce0.5)(1-x)REx (10)Fe84B6 (RE=Nd or Dy) nanocomposite
alloys},   journal = {Journal of Magnetism and Magnetic Materials},   volume = {399},
pages = {26-31},   note = {0},   ISSN = {0304-8853},   DOI = {10.1016/j.jmmm.2015.09.051},
 url = {<Go to ISI>://WOS:000363463700006},   year = {2016},   type = {Journal Article}}
@article{   author = {Jayaraman, Tanjore V. and Boone, Laura and Shield, Jeffrey E.},
title = {Magnetocaloric effect and refrigerant capacity in melt-spun Gd-Mn alloys},
journal = {Journal of Magnetism and Magnetic Materials},   volume = {345},   pages = {153-
158},   note = {1},   ISSN = {0304-8853},   DOI = {10.1016/j.jmmm.2013.06.016},   url =
{<Go to ISI>://WOS:000324045300027},   year = {2013},   type = {Journal Article}}

@article{   author = {Karakose, Ercan and Kilicaslan, M. Fatih and Colak, Hakan},   title =
{Formation of novel rice-like intermetallic phases and changes in the mechanical,
microstructural and electrical properties of Sn-5Sb alloys with addition Ag and Bi},
journal = {Journal of Alloys and Compounds},   volume = {655},   pages = {378-388},   note
= {0},   ISSN = {0925-8388},   DOI = {10.1016/j.jallcom.2015.09.057},   url = {<Go to
ISI>://WOS:000364603100051},   year = {2016},   type = {Journal Article}}@article{   author
= {Kase, S. and Matsuo, T.},   title = {STUDIES ON MELT SPINNING .I. FUNDAMENTAL EQUATIONS
ON DYNAMICS OF MELT SPINNING},   journal = {Journal of Polymer Science Part a-General
Papers},   volume = {3},   number = {7PA},   pages = {2541-&},   note = {277},   ISSN =
```

How does this file look like?
In TeXmaker:



How does this file look like?
In TeXworks:



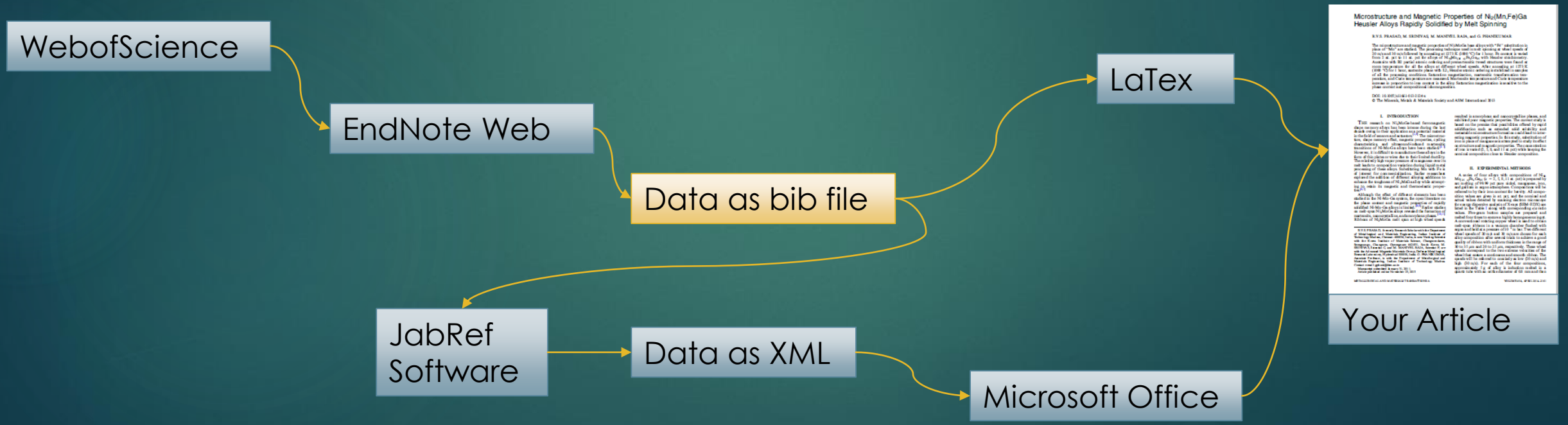

JabRef - C:\Users\gphani\Downloads\RSPMeltSpinning.bib*
File Edit Search Groups View BibTeX Tools Options Help
RSPMeltSpinning.bib
Search...
regular expression
Case sensitive
Filter
Search globally
Ranking Entryt... Author Title Y... Journal Bibtexkey
1 Article Aziz MODEL FOR SOLUTE REDISTRIBUTION DURING RAPID SOLIDIFICATI... 1982 Journal of Applied ... Aziz1982
2 Article He et al. Weld seam profile detection and feature point extraction for multi-pass ro... 2016 Robotics and Com... HeXuChenEtA...
3 Article Hussain et al. Composition related magnetic properties and coercivity mechanism for ... 2016 Journal of Magneti... HussainLiuZh...
4 Article Jayaraman et al. Magnetocaloric effect and refrigerant capacity in melt-spun Gd-Mn alloys 2013 Journal of Magneti... JayaramanBo...
5 Article Karakose et al. Formation of novel rice-like intermetallic phases and changes in the mec... 2016 Journal of Alloys a... KarakoseKilic...
6 Article Kase and Matsuo STUDIES ON MELT SPINNING .2. STEADY-STATE AND TRANSIENT SOL... 1967 Journal of Applied ... KaseMatsuo1...
7 Article Kase and Matsuo STUDIES ON MELT SPINNING .I. FUNDAMENTAL EQUATIONS ON DYNA... 1965 Journal of Polymer... KaseMatsuo1...
8 Article Katayama et al. STRUCTURAL FORMATION DURING MELT SPINNING PROCESS 1968 Kolloid-Zeitschrift ... KatayamaAm...
9 Article Kurz et al. THEORY OF MICROSTRUCTURAL DEVELOPMENT DURING RAPID SOL... 1986 Acta Metallurgica KurzGiovanol...
10 Article Saito et al. Magnetic properties of Mn-Bi melt-spun ribbons 2014 Journal of Magneti... SaitoNishimu...
11 Article Song et al. Microstructure and tailoring hydrogenation performance of Y-doped Mg2N... 2014 Journal of Power S... SongLiZhang...
12 Article Wang et al. Effect of the volume fraction of the ex-situ reinforced Ta additions on the ... 2016 Intermetallics WangWuLiu2...
13 Article Yu et al Achieving an enhanced magneto-caloric effect by melt spinning a Gd55C 2016 Journal of Alloys a YuZhangCuiF
Article (Aziz1982)
Aziz, M. J.
MODEL FOR SOLUTE REDISTRIBUTION DURING RAPID SOLIDIFICATION
Journal of Applied Physics, 1982, 53, 1158-1168
This is how the file looks like in JabRef
Status: Closed database.

How to edit this .bib file?

- Use a Reference Manager like **JabRef** (opensource and free)
- Spreadsheet like appearance
- Possibility to add notes, split and merge similar files, export to different formats
- The file resides on your desktop – go through the items at your pace, offline, identify those you need to have the full text of and so on.

Why export bibliographic data?

- We need our literature survey results in BibTeX format (.bib file) for use in LaTeX documents to typeset an article and cite the references
- We can use JabRef to convery BibTeX data into XML format (.xml file) for use in Microsoft Office™ to typeset an article and cite the references



End of Module