USING THE UNISA LIBRARY’S RESOURCES FOR E-visibility and NRF RATING

Mr. A. Tshikotshi
Unisa Library
Presentation Outline

1. Outcomes
2. PL Duties
3. Databases and Tools
   3.1. Scopus
   3.2. Web of Science
   3.3. Google Scholar
   3.4. Harzing’s Publish or Perish
4. Journal Rankings
5. Unisa Institutional Repository (UIR)
6. Conclusion
Outcomes

• Create awareness of how the library can support applicants for an NRF rating
• List the information resources & retrieval tools that enhance NRF application
• Assistance in gathering evidence to demonstrate scholarly impact and perceived reputation
• Ability to increase visibility of a researcher
Personal Librarians’ Duties

• Relationship with clients
• Communicate with clients
• Offer database training
  ❖ Online (e-learning)
  ❖ Face-to-face (group or one-on-one)
• SDI
  ❖ Alerts and profiles
  ❖ New trends in disciplines
  ❖ Citation analysis
Searches

- Perform subject specific searches for graduate students, academics and researchers
- Perform citation analysis searches for NRF rating applicants
  - Journal rankings and impact factors (SNIP and SJR)
  - Individual citations
Trends in the Profession

• Searches
  – Which Journal can I publish in?
  – Who can I collaborate with?
  – Who is reading my article?
  – How can I increase my visibility as a Researcher?...etc

• Training
  – Focused on addressing the questions above.
Multi-disciplinary citation databases

• Scopus (Elsevier) [http://www.scopus.com](http://www.scopus.com)
• ISI Web of Science (Thomson Reuters) [http://www.isiknowledge.com](http://www.isiknowledge.com)

Open web resources (free)

• Google Scholar [http://scholar.google.com](http://scholar.google.com)
• Harzing’s Publish or Perish [http://www.harzing.com](http://www.harzing.com)
Using Scopus Database

• Citation Database

• No Full-text articles

• Elsevier Publishers product

• Gives a simple and intuitive Interface
Sign In to Scopus

Click on Register to create a personalized login for SciVerse

Complete the registration form
### Author Citation Search

**Make Author Selection**

<table>
<thead>
<tr>
<th>Author Last Name</th>
<th>Initials or First Name</th>
<th>Show exact matches only</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dube</td>
<td>T</td>
<td></td>
</tr>
</tbody>
</table>

**Affiliation**

- university of toronto

To determine which author names should be grouped together under a single identifier number, the Scopus Author Identifier uses an algorithm that matches author names based on their affiliation, address, subject area, source title, dates of publication, citations, and co-authors. Documents with insufficient data may not be matched, this can lead to more than one entry in the results list for the same author. By default, only titles pages matched to more than one document in Scopus are shown in search results. About Scopus Author Identifier

**Author results: 11 of 25**

<table>
<thead>
<tr>
<th>Authors</th>
<th>Documents</th>
<th>Subject Area</th>
<th>Affiliation</th>
<th>City</th>
<th>Country</th>
</tr>
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<td>35</td>
<td>Mathematics; Computer Science</td>
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<td>Pretoria</td>
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<td>Umlundi</td>
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(All rows show)
Nienaber, Hester

Personal
Name: Nienaber, Hester
Other formats: Nienaber, H.
Author ID: 15751492700
Affiliation: University of South Africa, Pretoria, South Africa

Research
Documents: 4
References: 183
Citations: 6 total citations by 6 documents
h Index: 1
Co-authors: 2
Web search: 248
Subject area: Business, Management and Accounting, Decision Sciences, Engineering

Documents

Cited by since 1996
This author has been cited 6 times in Scopus:

The data displayed above is compiled exclusively from articles published in the Scopus database. To request corrections to any inaccuracies or provide any further feedback, please contact us (registration required).
The data displayed above is subject to the privacy conditions contained in the privacy policy.
Citation Overview

Citations received since 1996

Author: Dube, Themb A.

Overview options

Exclude from citation overview:  ○ Self citations of selected author  ○ Self citations of all authors

Sort documents  Date range
Year descending  2010 to 2012

Update overview

35 Cited Documents  Save list

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Author h index

h index = 4

Of the 33 documents considered for the h index, 4 have been cited at least 4 times.

Note: The h index considers Scopus documents published after 1995.

About h-Graph
Author citation search results

H-Index displayed

Number of documents (publications)

Citation counts

H-Index graph from 1996 - 2012

h Index = 6 The h Index is based upon the number of documents and number of citations.
Analyze documents published between 1996 and 2012

Update Graph
Author Evaluator - Nienaber, Hester

Nienaber, Hester (ID 1575142700)  Details

Documents (4)  h index (1)  Citations (6)

h index = 1 The h index is based upon the number of documents and number of citations.
Analyze documents published between 1996 and 2012  Exclude self-citations  Update Graph

Please note: These metrics only measure one aspect of an author's performance.  Disclaimer
Self-citation inflates citation figures & H index

Professor, what makes you famous?

I have more than 2000 citations and h index 22 inches.

According to ISI WoK, Prof has more than 1000 self citations and his real h index only 10 inches.

Self indulgence professor

If I can claim to be the youngest Prof in history, I can claim whatever I want... the media doesn't know about self citation.
• Quantitative tools for ranking, evaluating, categorizing, and comparing journals using citation and other statistical data

• The impact factor of a journal is the average number of citations received per paper published in that journal during the two preceding years
Journal Impact Factors & Ranking

Unisa Library Resources

• ISI Journal Citation Reports
• Scopus Journal Analytics

Open Web Resources

• Google Scholar Metrics
Accessing Scopus Analytics
Journal analyzer on Scopus

Scopus automatically lists journals of similar subject area for comparison analysis.

Type in Journal title

Search

Journal Title

Limit by Subject Area

SJR

SNIP

Citations

Docs

Results: 3 Sources Found (Double-click or drag to add)

Journal Title

Desalination and Water Treatment

Journal of Soils and Water Conservation

Water S.A.

SJR

0.045

0.057

0.040
Comparison of three journals in Scopus

Journal Analyzer

Search: water sa

Limit by Subject Area

Show: SJR, SNIP, ISSN

Results: 3 Sources Found (Double-click or drag to add)

Journal Title
- Decolonization and Water Treatment: 0.045
- Journal of Soils and Water Conservation: 0.057
- Water S.A.: 0.040

Graph plots three journals – summary of comparison title

Defaults to SJR

SCImago Journal ranking

Double Click to add titles to be compared
Sourcing for citation information and an H-Index - WoS
WOS Citation results
### WoS Citation results

**Results Analysis**

- **Rank the records by this field:**
  - Authors
  - Book Series Titles
  - Conference Titles
  - Countries/Territories

- **Set display options:**
  - Show the top **25** results.
  - Minimum record count (threshold): **2**

- **Sort by:**
  - Record count
  - Selected field

#### Distinct Author Summary: Santos, N

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<th>Record Count</th>
<th>% of 56</th>
<th>Bar Chart</th>
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<tr>
<td>SANTOS N</td>
<td>56</td>
<td>100.000 %</td>
<td></td>
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<tr>
<td>GOUVEA V</td>
<td>21</td>
<td>37.500 %</td>
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<tr>
<td>HOSHINO Y</td>
<td>19</td>
<td>33.929 %</td>
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<tr>
<td>SOARES CC</td>
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<td>BERNATI FJ</td>
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<tr>
<td>THENETSKY H.</td>
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</tbody>
</table>

**Use the checkboxes below to view the records. You can choose to view those selected records, or you can exclude them (and view the others).**

**Save Analysis Data to File**

- Data rows displayed in table
- All data rows
Sourcing the H-Index of a researcher

Web of Science®

<< Back to original record

Distinct Author Summary: Santos, N

Timopson-Al Years. Databases-SCE-EXPANDED, A&HCI, SSCI, CPCI-SSH, CPCI-S.

Lemmatization=On

Results: 56 (66 in your subscription)

Refine Results
Search within results for

□ Web of Science Categories □ Refine

□ Virology (23)
□ Microbiology (19)
□ Infectious Diseases (0)
□ Biotechnology Applied Microbiology

The Distinct Author Sets feature shows sets of papers likely written by the same person. (Submit page)

View all Author Sets for Santos, N | View the articles authored by Santos, N

Click on
Create Citation
Report

Displays citation report for Researcher

Published Items in Each Year

Citations in Each Year

H-Index of Researcher
04

Retrieving a list of top ranked journals from ISI JCR
Accessing JCR (Journal Citation Reports)

Select either JCR edition of choice

Select subject category for discipline

Select subject category from list
### Journal Citation Reports

#### Journal Summary List

**Journals from:** subject categories ENGINEERING, CHEMICAL

**Sorted by:** Journal Title

---

#### Journals 1 - 20 (of 133)

**Ranking is based on your journal and sort selections.**

<table>
<thead>
<tr>
<th>Mark</th>
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<th>Abbreviated Journal Title (linked to journal information)</th>
<th>ISSN</th>
<th>JCR Data</th>
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<td>ASIA-PAC J CHEM ENG</td>
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<td>ATOMIZATION SPRAY</td>
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<td></td>
<td>13</td>
<td>BIOCHEM ENG J</td>
<td>1369-703X</td>
<td>5016</td>
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</tbody>
</table>
Displays a list of journal in subject category according to impact factor

Impact factor column highlighted

Eigenfactor metrics displayed
Citation Alerts

Citation Alerts track who is citing your research (document & author alerts)

Output is by e-mail

Unisa Library Resources

- ISI WoS alerts
- Scopus alerts
- Open Web Resources

Google Scholar alerts
### Google Scholar Citation Profile

**Christopher Enweremadu**

*Associate Professor, University of South Africa, School of Engineering, Department of Mechanical & Industrial Engineering*

- **Alternative fuel (biodiesel and bioethanol)** - Energy efficiency and conservation
- **Solar energy** - Heat & Mass Transfer

Verified email at unisa.ac.za

### Citation Metrics

<table>
<thead>
<tr>
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<tr>
<td><strong>i10-index</strong></td>
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### Citations to my articles

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<tr>
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<th><strong>Cited by</strong></th>
<th><strong>Year</strong></th>
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<td>Technical aspects of production and analysis of biodiesel from used cooking oil—A review</td>
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<td>Combustion, emission and engine performance characteristics of used cooking oil biodiesel—A review</td>
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<td>Evaluation of energy potentials in husk from soybean and cowpea</td>
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### Journal rankings in Google Scholar

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<tr>
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<td>Science</td>
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<td>366</td>
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<tr>
<td>arXiv</td>
<td>258</td>
<td>367</td>
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<tr>
<td>The Lancet</td>
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<td>313</td>
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<td>Social Science Research Network</td>
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<tr>
<td>Cell</td>
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<td>The Astrophysical Journal</td>
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<td>Journal of the American College of Cardiology</td>
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<td>Journal of the American Chemical Society</td>
<td>138</td>
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<td>Nucleic Acids Research</td>
<td>135</td>
<td>239</td>
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</table>
• Developed by Anne Harzings
• Source data from Google
• Requires a lot of refinement to get accurate data.
• Download free software to your desktop to use Harzing.
### Harzings P & P results

#### Journal Impact analysis - Perform a citation analysis for one or more journals

**Journal titles:** Dube all

**Exclude these words:**

**Year of publication between:**

- **1990** and **2000**

**NOTE:** Subject area selection is currently non-functional

#### Results

<table>
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**Citation:** 272 | **Publication:** 2000 | **Publisher:** West & Dube (eds) books.google.com
Information sourced from Harzing’s Publish or Perish

Papers: 54

- Cites/paper: 6.59
- h-index: 8
- Citations: 356
- Cites/author: 154.91
- Years: 19
- Papers/author: 39.85
- Cites/year: 18.74
- Authors/paper: 1.83

- 31 paper(s) with 1 author(s)
- 11 paper(s) with 2 author(s)
- 7 paper(s) with 3 author(s)
- 1 paper(s) with 4 author(s)
- 3 paper(s) with 5 author(s)
- 1 paper(s) with 6 author(s)
Scival Suite

- Institution-wide, National and Global Research Analysis
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- Sources the Information from Scopus
- Suite:
  - Scival Spotlight - Your Research strengths
  - Scival Strata - Measures Team and Individual performances
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08
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- UIR is searchable via major search engines

Ansie van der Westhuizen dwesapj@unisa.ac.za
Hirsch Index (H-Index)

• A robust, single-number metric of the impact of the author’s research, combining quality with quantity)
• Measures scientific/scholarly productivity & impact
• Score indicate the global status of a researcher – the higher the H-index score, the more influential the researcher
• The H-index on Scopus, Google Scholar & WoS may vary due to their coverage of the sources
Tactics to boost citations, H-index & visibility

- Publish in high impact journals
- Target rapid growing research areas/hot topics/flagship areas.
- Collaborate & co-author: they publicise your papers
- Use the right title, keywords, and abstract
- Publish review articles –they cited more
- Use email signature to market your latest scholarly work
Tactics to boost citations, H-index & visibility

• Open access: Upload post prints to UIR
• UIR: easy discovery via Google Scholar
• Web presence: profile on scholarly networks
• Share link to your work via Social media
• Monitor citations to your work via alerts
• Self-citations – lead others to citing your work
Limitations of citation based metrics

- Only show impact on other authors/scientific community NOT non-authors/readers or social impact/real world impact
- Only show impact on published scientific text NOT alternative social media platforms and homepages
- Citation metrics are not transparent or reproducible
- Access problems: Citation metrics available mostly on fee-based databases
- Slowness: Citations take a very long time to accumulate
- Format limitations - Books, national journals and trade publications are generally not included
- Usage not captured: Viewing, downloading, reading, tagging, exporting, saving, bookmarking, sharing, discussing, citing online
• NB Data clean up – need to have all works linked to your researcher profile and ID – accurate information on citation resources translates to an accurate H-index

Provide us with:

• Academic profile/CV (affiliation/surnames)
• List of publications
• Electronic full text copies of publications for UIR
Conclusion

• No central portal or single comprehensive source, so the information is fragmented
• Coverage of resources varies
• Retrieving data is time-consuming
• Researcher information is sometimes inaccurate, incomplete & outdated
• Regional or specialised journals may not be highly rated, which lessens the impact
CITATION SEARCH RESULTS AND BIBLIOMETRIC INFORMATION

Researcher:

School/Department:

College: College of Economic and Management Sciences

Personal Librarian:

Date:

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* A researcher (or a set of papers) has an h-index of N if he/she has published N papers that have N or more citations each. The h-index is based on “Times Cited” data from Web of Science and Scopus. It does not include citations to books, or to non-indexed resources. The h-index was developed by J.E. Hirsch and published in Proceedings of the National Academy of Sciences of the United States of America 102(46): 16569-16572 November 15 2005. It reflects the productivity of authors based on their publication and citation records.
Thank you!

Mr. Aaron Tshikotshi