University of Malaya

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December, 2017

Research Tools for Collecting, Writing, Publishing and Disseminating your Research

Nader Ale Ebrahim

Available at: https://works.bepress.com/aleebrahim/231/
Research Tools for: Collecting, Writing, Publishing and Disseminating your Research

Nader Ale Ebrahim, Ph.D.
Innovative Education Services, iGroup

Hanoi, Vietnam - December 11&12, 2017
Ho Chi Minh City, Vietnam - December 14&15, 2017

@aleebrahim aleebrahim@Gmail.com www.researcherid.com/rid/C-2414-2009
Abstract: “Research Tools” enable researchers to collect, organize, analyze, visualize and publicized research outputs. I have collected over 700 tools that enable researchers to follow the correct path in research and to ultimately produce high-quality research outputs with more accuracy and efficiency. “Research Tools” consists of a hierarchical set of nodes. It has four main nodes: (1) Searching the literature, (2) Writing a paper, (3) Targeting suitable journals, and (4) Enhancing visibility and impact of the research. This presentation will provide an overview to the most important tools from searching literature to disseminate researchers outputs. The e-skills learned from the workshop are useful across various research disciplines and research institutions.

Keywords: Research visibility, Research tools, Bibliometrics, Research impact, h-index
Top 10 authors with the highest profile view counts on ResearchGate

<table>
<thead>
<tr>
<th>Author Name</th>
<th>September 10th (2015) Profile Views</th>
<th>November 9th (2015) Profile Views</th>
<th>Mismatch (%)</th>
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<td>13,281</td>
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<td>Chaomei Chen</td>
<td>7,760</td>
<td>3,937</td>
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<td>Loet Leydesdorff</td>
<td>4,227</td>
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<td>Bakthavachalam Elango</td>
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<td>Zaida Chinchilla</td>
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<td>1,439</td>
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<td>Wolfgang Glänzel</td>
<td>3,012</td>
<td>1,301</td>
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<td>Kevin Boyack</td>
<td>3,256</td>
<td>1,135</td>
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<tr>
<td>Peter Ingwersen</td>
<td>2,335</td>
<td>1,025</td>
<td>43.90</td>
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</table>

JANUARY 2017 TOP 100 TECHNOLOGY EXPERTS TO FOLLOW ON TWITTER

CONGRATS! YOU MADE THE TOP 100

TECHNOLOGY EXPERTS TO FOLLOW FOR JANUARY 2017.
EVANCARMICHAEL.COM

#11) @aleebraham - Nader Ale Ebraham (Up from #19)

#12) @wpengine - WP Engine

#13) @wintelkiller - wintelkiller (Down from #11)
You're in the Top 10% of Authors

Congratulations Nader!
You are currently in the top 10% of Authors on SSRN by total new downloads within the last 12 months.
Check out your Personalized Rankings Page to see where you rank amongst other authors on SSRN.
Effective Strategies for Increasing Citation Frequency

Journal Reputation and Impact: publishing a paper in a journal based on disciplinary reputation or with a high impact factor is the most well known way of getting your paper cited. But there are many other things a scholar can do to promote his or her work and make it easy for others to find.

Utilize Open Access Tools: Open Access journals tend to be cited more than non open access. Deposit your paper in a repository such as Scholars Archive here on campus or a disciplinary repository. Share your detailed research data in a repository.

Standardize Identifying Info: try to use the same name throughout your career as well as the name of your affiliated institution. Using common "official" names will allow for consistency and easy retrieval of your work by author or affiliation.

Bring Colleagues on Board: team-authored articles are cited more frequently, as does publishing with international authors. Working cross-or inter-disciplinarily helps as well.

Beef Up That Paper: use more references, publish a longer paper. Also papers which are published elsewhere after having been rejected are cited more frequently.

Beyond Peer-Reviewed Original Research: Write a review paper. Present a working paper. Write and disseminate web-based tutorials on your topic.

Search Optimization: use keywords in the abstract and assign them to the manuscript. Use descriptive titles that utilize the obvious terms searchers would use to look for your topic, avoiding questions in the title. Select a journal that is indexed in the key library databases for your field.

Market Yourself: create a key phrase that describes your research career and use it. Update your professional web page and publication lists frequently. Link to your latest and greatest article in your professional email signature file.

Utilize Social Media: Use author profiles such as ResearcherID and ORCID. Contribute to Wikipedia, start a blog and/or podcast, join academic social media sites.


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Agenda

• **Introduction to the Research Tools Mind Map**
• Searching the literature
• Writing a paper
• Targeting suitable journals
• Enhancing research visibility and impact
Problem statements

The search can be time consuming and sometimes tedious task. How can make it easier? How do deal with situations such as:

– “I just join as a new postgraduate student and I am not sure how to do a literature search”
– “I have been in research for some time now but I spend a lot of time to get the articles I want”
– “I am sure I have downloaded the article but I am not able to find it”
– “I wanted to write a new paper, how can I manage the references in the shortest possible time?”
– “I have many references, some of my old papers, and some of my current research. Sometimes, they are so many that I can’t recall where I have kept them in my folders!”
– .......
– “I have written an article and I am not able to find a proper Journal”
– "I want to increase the citation of my papers, what should I do?"
1- Searching the literature
2- Writing a paper
3- Targeting suitable journals
4- Enhancing visibility and impact
Research Tools Mind Map

Web of Science
SCOPUS
EndNote
OATD
& many more Research Tools

dtSearch
SpringerExemplar
Qiqqqa
Academic Phrasebank
& many more tools

(1) Searching the literature

(2) Writing a paper

(3) Targeting suitable journals

Journal Citation Reports
Journal Metrics
Manuscript matcher
Find the perfect journal for your article
& many more Research Tools

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Research Tools Mind Map

Social Science Research Network (SSRN)
ZENODO
ORCID (Open Researcher and Contributor ID)
Kudos Innovations
& many more Research Tools

(4) Enhancing visibility and impact

(3) Targeting suitable journals

(2) Writing a paper

Teams will become as important as "teams will become as important as"
1- Searching the literature
2- Writing a paper
3- Targeting suitable journals
4- Enhancing visibility and impact
# Major Citation Databases

<table>
<thead>
<tr>
<th>Name of Citation Database</th>
<th>Launched</th>
<th>Scope</th>
<th>Owned by</th>
<th>Terms of Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Science Citation Index (SCI)</em></td>
<td>1964</td>
<td>Global</td>
<td>Thomson Reuter</td>
<td>Subscription-based with Web of Science</td>
</tr>
<tr>
<td><em>Social Science Citation Index (SSCI)</em></td>
<td>1972</td>
<td>Global</td>
<td>Thomson Reuter</td>
<td>Subscription-based with Web of Science</td>
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<tr>
<td><em>Arts &amp; Humanities Citation Index (A&amp;HCI)</em></td>
<td>1978</td>
<td>Global</td>
<td>Thomson Reuter</td>
<td>Subscription-based with Web of Science</td>
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<tr>
<td><em>Scopus</em></td>
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<td>Global</td>
<td>Elsevier B.V.</td>
<td>Subscription-based</td>
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<td>Google Scholar Citations</td>
<td>2004</td>
<td>Global</td>
<td>Google Inc.</td>
<td>Freely Available Online</td>
</tr>
<tr>
<td>Microsoft Academic Search</td>
<td>2003</td>
<td>Global</td>
<td>Microsoft Research</td>
<td>Freely Available Online</td>
</tr>
<tr>
<td>CiteSeerX (CiteSeerX.ist.psu.edu)</td>
<td>1997</td>
<td>Global; Subject specific</td>
<td>Pennsylvania State University, USA</td>
<td>Freely Available Online</td>
</tr>
</tbody>
</table>

Scopus (Launched 2004)

• Scopus is the largest abstract and citation database of peer-reviewed literature: scientific journals, books and conference proceedings. Delivering a comprehensive overview of the world's research output in the fields of science, technology, medicine, social sciences, and arts and humanities, Scopus features smart tools to track, analyze and visualize research.

• As research becomes increasingly global, interdisciplinary and collaborative, you can make sure that critical research from around the world is not missed when you choose Scopus.

Source: http://www.elsevier.com/online-tools/scopus
A Comparison between Two Main Academic Literature Collections: Web of Science and Scopus Databases

A Comparison between Two Main Academic Literature Collections: Web of Science and Scopus Databases

https://www.elsevier.com/solutions/scopus/content
SCOPUS - Open innovation

Source: https://www.scival.com
Open innovation

Source: https://www.scival.com
Open innovation

<table>
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<tr>
<th>Summary</th>
<th>Institutions</th>
<th>Countries</th>
<th>Authors</th>
<th>Scopus Sources</th>
<th>Keyphrases</th>
</tr>
</thead>
</table>

### Overall research performance

- **Scholarly Output**: 2,597
- **Field-Weighted Citation Impact**: 1.34
- **International Collaboration**: 547

**View list of publications**

<table>
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<td>10,395</td>
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Source: [https://www.scival.com](https://www.scival.com)
Web of Science - Open innovation

Source: https://login.webofknowledge.com
Web of Science - Open innovation

Source: https://login.webofknowledge.com
1- Searching the literature
2- Writing a paper
3- Targeting suitable journals
4- Enhancing visibility and impact
Qiqqa: A reference manager and research manager

Mathematical modelling of cytokine-mediated inflammation in rheumatoid arthritis

Michelle Baker*
Centre for Mathematical Medicine and Biology, School of Mathematical Sciences, University of Nottingham, Nottingham NG7 2RD, UK

Mathematical Medicine and Biology (2013) 30, 311–337
doi:10.1093/imammb/dqs026
Advance Access publication on September 20, 2012
Explore scientific papers and how they connect to a paper of your choice.

Source: https://the.iris.ai/
stances and offers related research propositions. The paper also discusses the role of the Internet in new product performance. Finally, the paper concludes with managerial and research implications.

1. **New product development** process and the role of the Internet

Past research has consistently shown that a high-quality **new product development** process is one of the most critical success factors in **new product development** [8,10–12]. As a result, it has offered numerous processes that firms can use when developing their **new products**. Cooper [13] defines a **new product development** process as a formal blueprint, roadmap, template or thought process for driving a **new product** project from the idea to market launch and beyond. The process involves predetermined set of stages and each stage consists of a set of prescribed, cross-functional and parallel activities. Each stage is preceded by a gate, controlling the flow of the process and providing a decision checkpoint in the process. Because of the stages and the with the first and second-generation processes, the third-generation process emphasizes efficiency and effectiveness in the **new product development** process through four fundamental areas. First, it is fluid, which means that there are overlaps in stages for greater speed. Second, it involves fuzzy gates, reducing the rigidity of criteria used in the gates and allowing conditional or situational considerations of the activities. Third, it is more focused in terms of prioritizing projects. Finally, it is flexible, suggesting that each new **product** is unique and has its own unique development process [13].

There are also compelling issues that indicate that **new product development** process may not be uniform across firms and products. Takeuchi and Nanoka [14] argue that today’s rapidly changing and competitive market conditions require firms to adopt a flexible and fast **new product development** process and that a holistic “rugby” style **new product development** might be needed to respond to the conditions. With this approach, **new product teams** move through all phases of the **development** together, passing the ball back and forth as they develop **new products**. Based on a case study, the authors concluded that it is possible to
General meanings or application of meanings

The term X refers to …
The term X encompasses A), B), and C).
X can be defined as … It encompasses …
X can be loosely described as a correlation.
The term X has come to be used to refer to …
The term X is generally understood to mean …
The term X has been applied to situations where students …
In the literature, the term tends to be used to refer to …
The broad use of the term X is sometimes equated with …
Whereas X refers to the operations of …, Y refers to the …
The term disease refers to a biological event characterised by …
The term X is a relatively new name for a Y, commonly referred to…
In broad biological terms, X can be defined as any stimulus that is …
Defined as XYZ, obesity is now considered a worldwide epidemic and is associated with …

Source: http://www.phrasebank.manchester.ac.uk/
Snippet Search

Discover how a particular term or phrase is used in scientific literature.

Search for: Open innovation

Subject: Type and select from OR Publication: Type and select from

Search

Showing 1 to 25 of 3134 matching articles

Results per page: 25

1 | 2 | 3 | 4 | 5 | >>>

... The open innovation approach has been one of the most...
... Literature on open innovation...
... and how organisations participate in it...
... and demonstrates the emergence of...
... The concept of...
... growing interest in the phenomenon of...
... In this chapter, we first argue that open innovation can be applied to situations where...

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Speech to Text

Source: https://www.speechtexter.com/
Originality Check

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Nader

Last name ★
AleEbrahim

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1- Searching the literature
2- Writing a paper
3- Targeting suitable journals
4- Enhancing visibility and impact
Source: https://twitter.com/AcademicsSay/status/807425026991517697/photo/1
Acceptance Rate

Source: http://journalinsights.elsevier.com/journals/0142-9612/acceptance_rate
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- Submission
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Simply insert your title and abstract and select the appropriate field-of-research for the best results.
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<th>Journal title</th>
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<th>Editorial Times</th>
<th>Acceptance</th>
<th>Production Times</th>
<th>Optional</th>
<th>Embargo period</th>
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## Springer Journal Selector βeta

Choose the Springer journal that's right for you!

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<td>J. Business and Psychology</td>
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<td>Information Systems Frontiers</td>
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<tr>
<td>Computer Supported Cooperative Work (CSCW)</td>
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Perfect Match: EndNote’s latest feature matches article drafts with publications

Source: https://login.webofknowledge.com
Perfect Match: EndNote’s latest feature matches article drafts with publications

Source: https://login.webofknowledge.com
Research Tools Mind Map

1- Searching the literature
2- Writing a paper
3- Targeting suitable journals
4- Enhancing visibility and impact
Source: Researchers, publishers, libraries and data centres all have a role in promoting and encouraging data citation. (Available on: http://blogs.lse.ac.uk/impactofsocialsciences/2013/11/26/why-not-cite-data/)
**Brazilian citation scheme outed**
Thomson Reuters suspends journals from its rankings for ‘citation stacking’

Citation manipulation: Journal retracts paper because author boosted references to a journal he edits

A group of researchers have lost a paper in a computer science journal because they were apparently using its references to help the impact factor of a different journal that one of them edits.

Here’s the notice for “Impacts of sensor node distributions on coverage in sensor networks,” a paper first published in 2011 and cited four times, according to Thomson Scientific’s Web of Knowledge: Read the rest of this entry »

Source: http://retractionwatch.com/2014/02/03/citation-manipulation-journal-retracts-paper-because-author-boosted-references-to-a-journal-he-edits/
Path analysis of the relationship between visibility and citation: the mediating roles of save, discussion, and recommendation metrics

Ale Ebrahimi et al. (2014) believe that increased accessibility of an article through search engines can improve its citation rate.

![Path analysis diagram](image)

**Fig. 2** Testing the model for the impact of visibility on citation with save, discussion and recommendation as mediators

Increasing Visibility and Enhancing Impact of Research

1. Manuscript preparation and submission


2. Post-publication promoting

Source: http://fotomelia.com/?download=homme-megaphone-a-la-main-images-gratuites

3. After receiving mentions/citations (monitoring)


Things to do when a paper comes out: a checklist

- Write a blog-post on SV-POW!
- Create a new page about paper in the SV-POW! sidebar.
- Add the full-resolution figures to the sidebar page.
- Update my online publications list.
- Update my University of Bristol IR page.
- Update my ORCID page.
- Update my LinkedIn page.
- Mendeley, if you do it (I don’t).
- ResearchGate, if you do it (I don’t).
- Academia.edu, if you do it (I don’t).
- Keep an eye on the new taxon’s Wikipedia page (once it exists).
- Add the paper to the Paleobiology Database (or ask someone to do it for you if you’re not authorised). [Credit: Jon Tennant]
- Tweet about it! [Credit: Matt Hodgkinson]
- Update Google Scholar, if it doesn’t pick up on the publication on its own [Credit: Christopher Taylor]
- Post on Facebook [Credit: Andy Farke]
- Send PDF to the institution that hosts the material [Credit: Andy Farke]
- Email colleagues who might be interested [Credit: Andy Farke]
- Write short popular language account for your institution if applicable [Credit: Andy Farke]
- Submit any silhouettes to PhyloPic [Credit: Mike Keesey]

Well-Optimized Abstract:

False Remembering in the Aged

Researchers studying human memory have increasingly focused on memory accuracy in aging populations. In this article we briefly review the literature on memory accuracy in healthy older adults. The prevailing evidence indicates that, compared to younger adults, older adults exhibit both diminished memory accuracy and greater susceptibility to misinformation. In addition, older adults demonstrate high levels of confidence in their false memories. We suggest an explanatory framework for the high level of false memories observed in older adults, a framework based on the theory that consciously controlled uses of memory decline with age, making older adults more susceptible to false memories that rely on automatic processes. We also point to future research that may remedy such deficits in accuracy.

This article appears on the first page of results in Google for false+memory+aged.

Source: http://authorservices.wiley.com/bauthor/seo.asp
False Remembering in the Senior Population

Researchers studying human memory have increasingly focused on its accuracy in senior populations. In this article we briefly review the literature on such accuracy in healthy older adults. The prevailing evidence indicates that, compared to younger adults, older adults exhibit both diminished accuracy and greater susceptibility to misinformation. In addition, older adults demonstrate high levels of confidence in their false memories. We suggest an explanatory framework for the high levels observed in older adults, a framework based on the theory that consciously controlled uses of memory decline in later life, making older adults more susceptible to false memories that rely on automatic processes. We also point to future research that may remedy such deficits in accuracy.

Source: http://authorservices.wiley.com/bauthor/seo.asp
Preparing for Publication – Writing

• **Use a unique name consistently throughout academic careers;**
• **Use a standardized institutional affiliation and address;**
• **Repeat key phrases in the abstract while writing naturally;**
• **Assign keyword terms to the manuscript;**
• **Use more references;**
• **Write a longer paper;**
• **Write a review paper;**
• **Present a working paper;**

Preparing for Publication – Collaboration & Journal Selection

• Publish with international authors;
• Publish papers with a Nobel laureate;
• Publish your article in one of the journals everyone in your discipline reads
• Open Access (OA) has a positive impact on growth of citations;
• Publish your work in a journal with the highest number of indexing

Dissemination 1/2

• Self-archive articles
• Keep your professional web pages and published lists up to date
• Make your research easy to find, especially for online searchers
• Deposit paper in Open Access repository
• Contribute to Wikipedia
• Start blogging

Dissemination 2/2

- Join academic social networking sites
- Link your latest published article to your email signature
- Create a podcast describing the research project and submit the podcast to YouTube or Vimeo
- Make an online CV.

Thank you!

E-mail: aleebrahim@Gmail.com

Twitter: @aleebrahim

www.researcherid.com/rid/C-2414-2009
http://scholar.google.com/citations
My recent publications
References


6. Researchers, publishers, libraries and data centres all have a role in promoting and encouraging data citation. (Available on: http://blogs.lse.ac.uk/impactofsocialsciences/2013/11/26/why-not-cite-data/)


References - continue

My recent publication:


My recent presentations: