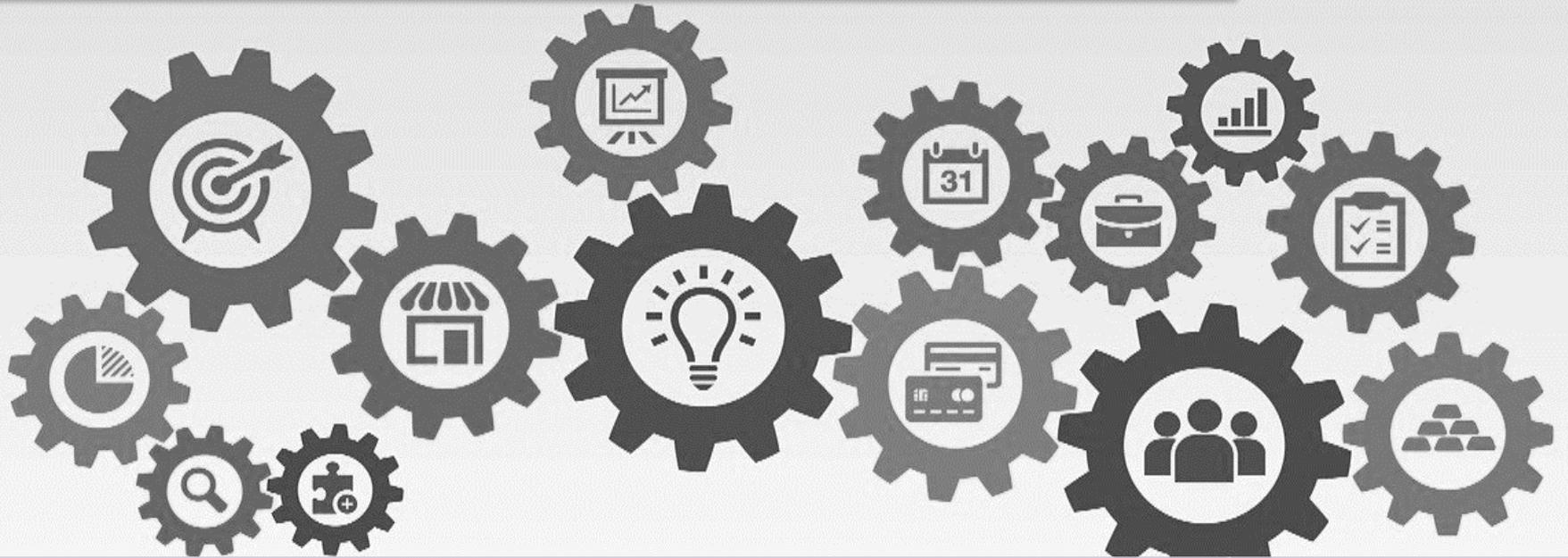


Enhancing the Impact of Your Research



Karen Gutzman, Head Research Assessment and Communications
Mao Soulakis, Research Impact Specialist
Galter Health Sciences Library & Learning Center

Metrics and Impact Core



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Find us at: <https://libguides.galter.northwestern.edu/MIC>

Our services are available to Feinberg School of Medicine Faculty, Staff, and Students.

Expertise in bibliometrics, altmetrics, data visualization, & scholarly communications

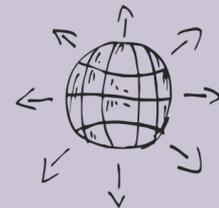
Bibliometrics & Altmetrics



Custom Reports



Research Communication



In today's presentation:

- Discuss the concept of research impact
- Cover strategies for enhancing research impact
- Demonstrate some tools and resources

Questions?

Interrupt me as needed, if you feel comfortable. Otherwise, I'll watch for raised hands (in person) or questions in the chat (on Zoom).

Audience choice for the demonstration

During the presentation we will cover several tools and resources. If we have time at the end, you can decide as a group which tool or resource can be used for a live demonstration.

Defining Research Impact



What is research impact?

“ Research impact broadly means demonstrable and beneficial change in behaviors, beliefs and practices. ”

Julie Bayley, Director of Research Impact at the University of Lincoln

- [US National Institutes of Health](#): The likelihood for the project to exert a sustained, powerful influence on the research field(s) involved.
- [Research England](#): An effect on, change or benefit to the economy, society, culture, public policy or services, health, the environment or quality of life beyond academia.
- [US National Science Foundation](#): The potential [for your research] to benefit society and contribute to the achievement of desired society outcomes.
- [Australian Research Council](#): The contribution that research makes to the economy, society, environment or culture, beyond the contribution to academic research.

Why might we think about research impact?

Promotion
& Tenure

Grant
Applications

Progress
Reports

Program
Review

Though there are other many reasons



What are the types of research impact?

- **Understanding and awareness** – meaning your research helped people understand an issue better than they had before
- **Attitudinal** – your research helped lead to a change in attitudes
- **Economic** – your research contributed to cost savings, or costs avoided; or increases in revenue, profits or funding
- **Environmental** – benefits arising from your research aid genetic diversity, habitat conservation and ecosystems
- **Health and well-being** – your research led to better outcomes for individuals or groups
- **Policy** – your research contributed to new or amended guidelines or laws
- Other forms of **decision-making** and **behavioural** impacts
- **Cultural** – changes in prevailing values, attitudes and beliefs
- Other **social** impacts –such as access to education or improvement in human rights
- Capacity or **preparedness** – research that helps individuals and groups better cope with changes that might otherwise have a negative impact.

What types of outputs contribute to impact?

Concept	Possible Indicator
Scientific output	Publications (quantity/quality)
Scientific impact	Citations received by academic papers, clinical guidelines, patents, policy reports, co-authored publications with industry
Scientific collaboration	Number or type of collaborators on grant applications, co-authored publications
Societal impact	Publishing clinical guidelines, patents, policy reports, mentions in social media,
Mobility	Change in researcher affiliation
Advancement of Knowledge	Renewal of research study, duration of study, type of funding sources, generation of ancillary research study
Economic Benefit	Research study findings result in reduced costs in the delivery of health care services.
Interdisciplinarity	Disciplinary classification of (cited) publications

Describing Research Impact



Research Impact Narratives

Narratives or case studies enable a story to be told and impact to be placed in context.

REF Impact Case Studies

<https://impact.ref.ac.uk/casestudies/>

Contributions to Science (NIH)

- the historical background that frames the scientific problem;
- the central finding(s);
- the influence of the finding(s) on the progress of science or the application of those finding(s) to health or technology; and.
- your specific role in the described work.

Benefits of Narratives	Considerations for Narratives
Uses quantitative and qualitative data	Automated collation of evidence is difficult
Allows evidence to be contextualized and a story told	Incorporating perspective can make it difficult to assess critically
Enables assessment in the absence of quantitative data	Time-consuming to prepare and assess
Allows collation of unique datasets	Difficult to compare like with like
Preserves distinctive account or disciplinary perspective	Rewards those who can write well, and/or afford to pay for external input

Research Impact Metrics

Narratives can be used in conjunction with **metrics**, to provide a more complete picture of impact.

Bibliometric examples

H-index: based on analysis of publication data using publications and citations to provide *“an estimate of the importance, significance, and broad impact of a scientist’s cumulative research contributions.”*

Relative Citation Ratio: citation-based measure of scientific influence of a publication. It is calculated as the citations of a paper, normalized to the citations received by NIH-funded publications in the same area of research and year.

Journal Impact Factor: The Journal Impact Factor is a measure reflecting the annual average (mean) number of citations to recent articles published in that journal.

Alternative metric examples

News Mentions: The number of mainstream online news and magazine outlets that reference a research output

Policy Mentions: The number of times a research output has been cited in policy documents from government bodies or NGOs.

Github: Forks, Collaborators, Watchers:

Github “Forks” are created when a user makes a copy of a repository. A “collaborator” is another Github user who is able to perform many actions on the files within the repository, including edits. “Watchers” are Github users who have asked to be notified of activity in a repository.



A Quick Note: Databases

Database	Item Count and Content Coverage	Availability	Basic Metrics	Advanced Metrics
 Google Scholar by Google	389M records [articles, books, theses, abstracts, court opinions, etc.]	Full free version	Google Scholar	Publish or Perish (free tool)
 PubMed.gov by US National Library of Medicine	34M records [5,200 Medline journals as well as life sciences journals from PubMed Central and books from NCBI Bookshelf]	Limited free version; Galter Library full version	iCite	iCite (free tool)
 Scopus by Elsevier	75M records [210K books, 120K conferences, 44M patents, 25,100 journals]	Limited free version; Galter Library full version	Scopus	SciVal (no access at Northwestern)
 Web of Science by Clarivate Analytics	79M records [119K books, 220K conferences, 10M datasets, 46M patents, 34,586 journals]	Limited free version; Galter Library full version	Web of Science	InCites (limited Galter Library access)

h-index



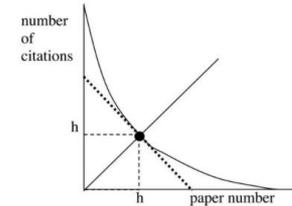
Use Case

The h-index is used as evidence of the scholarly influence of an author's, or group of authors', body of work.



Definition

The h-index is equivalent to the number of h publications by an author that have been cited h number of times.



Location

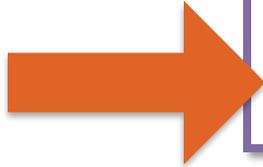
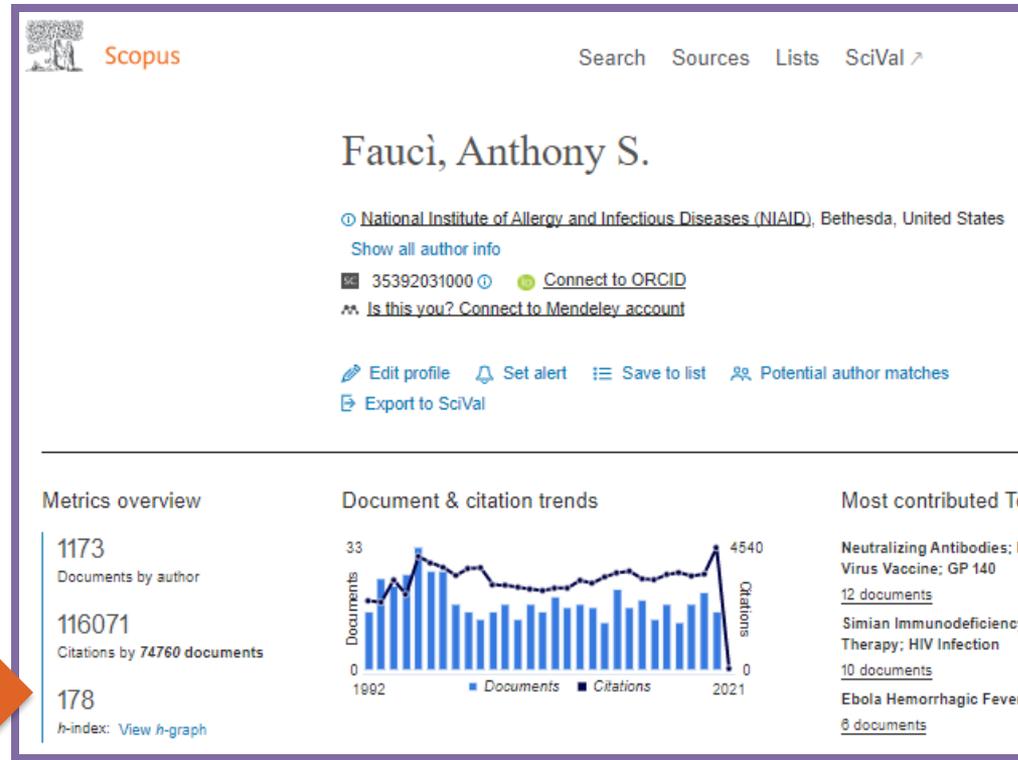
The h-index can be calculated by hand, however it is offered in databases such as Scopus, Web of Science, and Google Scholar.



Caveats

- Not field normalized.
- Point of time in a career will affect this metric.
- Inconsistent when you compare it from database to database.

Where to find it: h-index



Where to find it: h-index

The screenshot displays the Web of Science profile for Anthony S. Fauci. The profile includes a search bar, a 'CLAIM THIS RECORD' button, and a 'BETA' label. The author's affiliation is listed as NIH National Institute of Allergy & Infectious Diseases (NIAID), NIH, BETHESDA, MD, USA. Alternative names and organizations are also provided. A 'Citation Network' box on the right highlights the H-index (120) and Sum of Times Cited (52,081). A large orange arrow points to the H-index value. Below the citation network, the number of citing articles is shown as 40,300. The main content area shows 687 publications from the Web of Science Core Collection, sorted by date (newest first). The first publication listed is 'Therapy for Early COVID-19 A Critical Need' by Kim, Peter S.; Read, Sarah W.; Fauci, Anthony S., published in JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION, Volume 324, Issue 21, Page 2149-2150, in 2020.

Web of Science InCites Journal Citation Reports Essential Science Indicators EndNote Publons Kopernio Master Journal List Sign In Help English

Web of Science

Search Tools Searches and alerts Search History Marked List

Fauci, Anthony S. CLAIM THIS RECORD BETA

Unclaimed - This is an algorithmically generated author record

NIH National Institute of Allergy & Infectious Diseases (NIAID)
NIH
BETHESDA, MD, USA

Alternative names: Fauci, AS Fauci, Anthony S. Fauci, Anthony Fauci, A. S. Fauci, A.

Organizations: 1

- 2020-2020 Natl Inst Allergy
- 1978-2020 NIH National Institute of Allergy & Infectious Diseases (NIAID)
- 1978-2019 National Institutes of Health (NIH) - USA
- 2015-2015 Immunoregulat Lab

687 publications from Web of Science Core Collection View as a set of results to export, analyze, and link to full text

Sorted by Date: newest first Filter By: All Publications 1 of 14

Therapy for Early COVID-19 A Critical Need TIMES CITED 1
Kim, Peter S.; Read, Sarah W.; Fauci, Anthony S.
JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION
Volume 324 Issue 21 Page 2149-2150 Published 2020

Are you this Author?
If you're the author of this record, click "Claim This Record" to verify its documents. When you update your publications list on publons.com, it automatically sends a request to update this author record
Claim This Record

Citation Network 1

H-index
120

Sum of Times Cited
52,081

Citing Articles
40,300

View full Citation Report

Where to find it: h-index

The image shows a researcher's profile for AS Fauci. The profile includes a bio, a 'FOLLOW' button, and a 'GET MY OWN PROFILE' button. A large orange arrow points from the 'TITLE' section to the citation metrics table. The table shows 'Cited by' metrics for 'All' and 'Since 2015'. Below the table is a bar chart showing annual citations from 2013 to 2020.

AS Fauci
NIAID
Verified email at nih.gov
medicine

[FOLLOW](#)

[GET MY OWN PROFILE](#)

Cited by [VIEW ALL](#)

	All	Since 2015
Citations	219970	48287
h-index	221	99
i10-index	1190	528

Titles and Citations:

- Harrison's principles of internal medicine.** 16805* 2018
JL Jameson
McGraw-Hill Education,
- Harrison's principles of internal medicine.** ~~6494~~ 2018
JL Jameson
McGraw-Hill Education,
- Harrison's Principles of Internal Medicine: Volume 2** 5210* 2011
DL Longo, JL Jameson, D Kasper
Macgraw-Hill
- Heart disease** 4912 1988
E Braunwald

Annual Citations (2013-2020):

Year	Citations
2013	~8000
2014	~7500
2015	~7500
2016	~8000
2017	~8000
2018	~7500
2019	~7500
2020	~9500

Final Thoughts: h-index

Metric statement: *Dr. Fauci has created an output of 1174 documents between 1965 and 2020, and his h-index is 178 (Scopus).*

What that means: *Dr. Fauci has at least 178 papers that have been cited at least 178 times.*



h-index = 10
[10 papers w/
10 citations each]

?
=
?



h-index = 10
[10 papers w/
10 citations each
AND
90 papers w/
9 citations each]

Citation Count



Use Case

Citation count allows you to go beyond a number and describe why and where important ideas are spread from a researcher's original work to subsequent citing works.



Definition

Citation count is the number of times an article is cited in other bodies of literature.



Location

Citation databases including Google Scholar, Scopus, Web of Science, and Dimensions, and the citation tool iCite.



Caveats

- **Not field normalized.**
- **Inconsistent when you compare it from database to database.**
- **Citations are impacted by the age of the paper.**
- **Difficult to track citations to unpublished articles such as preprints or white papers.**

Where to find it: Citation Count

The screenshot shows the Scopus interface for a document. The document title is "Influenza vaccines for the future" from the "New England Journal of Medicine". The authors listed are Lambert, L.C. and Fauci, A.S. The "Metrics" section on the right is highlighted with an orange oval, showing 244 Citations in Scopus (99th percentile) and a Field-Weighted Citation Impact of 15.57. The page also includes navigation links like "Back to results", "Export", "Download", "Print", "E-mail", "Save to PDF", "Add to List", and "More...".

Scopus

Search Sources Lists SciVal Create account Sign in

Document details

< Back to results | 1 of 17 Next >

Export Download Print E-mail Save to PDF Add to List More... >

[Find it @ NU](#) Find it @ NU (opens in a new window) [View at Publisher](#)

New England Journal of Medicine
Volume 363, Issue 21, 18 November 2010, Pages 2036-2044

Influenza vaccines for the future (Review)

Lambert, L.C.^a [Fauci, A.S.^b](#)

^aDivision of Microbiology and Infectious Diseases, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States
^bOffice of the Director, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, United States

Abstract [View references \(66\)](#)

Metrics [View all metrics >](#)

244 Citations in Scopus
99th percentile

15.57 Field-Weighted Citation Impact

PlumX Metrics
Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Where to find it: Citation Count

The screenshot displays the Web of Science interface for a specific article. The article title is "CURRENT CONCEPTS Influenza Vaccines for the Future". The authors listed are Lambert, LC (Lambert, Linda C.) and Fauci, AS (Fauci, Anthony S.). The journal is the "NEW ENGLAND JOURNAL OF MEDICINE", Volume 363, Issue 21, Pages 2036-2044, published in NOV 18 2010. The DOI is 10.1056/NEJMr1002842. The document type is a Review. The citation count is 214, which is circled in orange. The citation network is shown as 231 in all databases. The interface includes a search bar, navigation tabs, and a sidebar with citation network details.

Web of Science InCites Journal Citation Reports Essential Science Indicators EndNote Publons Kopernio MasterSignal List Help English

Web of Science Clarivate Analytics

Search Search Results Tools Searches and alerts Search History Marked List

Find it @ NU Look Up Full Text Full Text from Publisher Export... Add to Marked List

1 of 1

CURRENT CONCEPTS Influenza Vaccines for the Future

By: Lambert, LC (Lambert, Linda C.)^[1]; Fauci, AS (Fauci, Anthony S.)^[2]

NEW ENGLAND JOURNAL OF MEDICINE
Volume: 363 Issue: 21 Pages: 2036-2044
DOI: 10.1056/NEJMr1002842
Published: NOV 18 2010
Document Type: Review

Keywords
KeyWords Plus: RANDOMIZED CONTROLLED-TRIAL; RESEARCH-AND-DEVELOPMENT; PANDEMIC INFLUENZA; MF59-ADJUVANTED INFLUENZA; ANTIBODY-RESPONSE; UNITED-STATES; DNA VACCINES; A VIRUSES; IMMUNOGENICITY; SAFETY

Author Information

Citation Network
In Web of Science Core Collection
214
Times Cited
Create Citation Alert

All Times Cited Counts
231 in All Databases
See more counts

Where to find it: Citation Count

The image shows a Google Scholar search interface. At the top, the Google Scholar logo is on the left, and a search bar contains the text "Influenza vaccines for the future". To the right of the search bar is a magnifying glass icon and a "SIGN IN" button. Below the search bar, the word "Articles" is displayed on the left, followed by "About 439 results (0.05 sec)". On the right side of this section are two links: "My profile" with a graduation cap icon and "My library" with a star icon. The main search result is for the article "[HTML] Influenza vaccines for the future" from "nejm.org". The author is listed as "LC Lambert, AS Fauci" and the journal is "New England Journal of Medicine, 2010 - Mass Medical Soc". The abstract text reads: "New technologies can revolutionize influenza vaccine design, production, and delivery. In the near future, advances should reduce vaccine production time, provide enhanced protection, and end mismatches between vaccine strains and circulating viruses." Below the abstract, there are icons for a star, a document, and a link that says "Cited by 379". This link is circled in orange. To the right of the citation count are links for "Related articles" and "All 13 versions". On the left side of the result, there are filters for "Any time", "Since 2021", "Since 2020", "Since 2017", and "Custom range...".

Where to find it: Citation Count

NIH National Institutes of Health
Office of Portfolio Analysis

iCite

New Analysis Global RCR Stats How to cite Help

Results

[Citing Papers](#) [Referenced Papers](#)

Influence **Translation** **Citations**

Total Pubs	Pubs Per Year	Total Citations	MAX	MEAN	SEM	MED
1	1.00	200	200	200.00	0.00	200.00

Pubs by Year **Total Citations by Publication Year** **Total Citations by Year Cited** **Citations per Pub by Year**

Customization

As you make changes below, the summary information and charts above are updated.

From 2010 To 2010

Only research articles Only papers cited by clinical articles Only clinical articles

[Clear Filters](#) [Export](#)

Total Pubs: 1

<input checked="" type="checkbox"/> PMID	Year	Title	Authors	Journal
<input checked="" type="checkbox"/> 21083388	2010	Influenza vaccines for the future.	Linda C Lambert, Anthony S F	N. Engl. J. Med.

1 to 1 of 1 Page 1 of 1

Final Thoughts: Citation Count

Metric statement: *The review article “Influenza vaccines for the future” which was co-authored by Dr. Fauci has 244 citations (Scopus).*

What that means: *There are 244 publications that have used this paper in their reference list since the paper was published in 2010.*

Self citations: To include or not to include?

For: You are an expert in a new field or are making strides in a field that continues to build on itself.

Against: Including self-citations makes you concerned that there will be an impression that you are gaming the system.

Journal Impact Factor (JIF)



Use Case

The JIF is useful in comparing the relative influence of journals within a discipline, as measured by citations.



Definition

The JIF is calculated by taking all citations to the journal in the current JCR year to items published in the previous two years, divided by the total number of scholarly items (these comprise articles, reviews, and proceedings papers) published in the journal in the previous two years.

$$\text{JIF}_{2019} = \frac{\text{Citations in 2019 to items published in 2017 + 2018}}{\text{Number of citable items in 2017 + 2018}}$$



Location

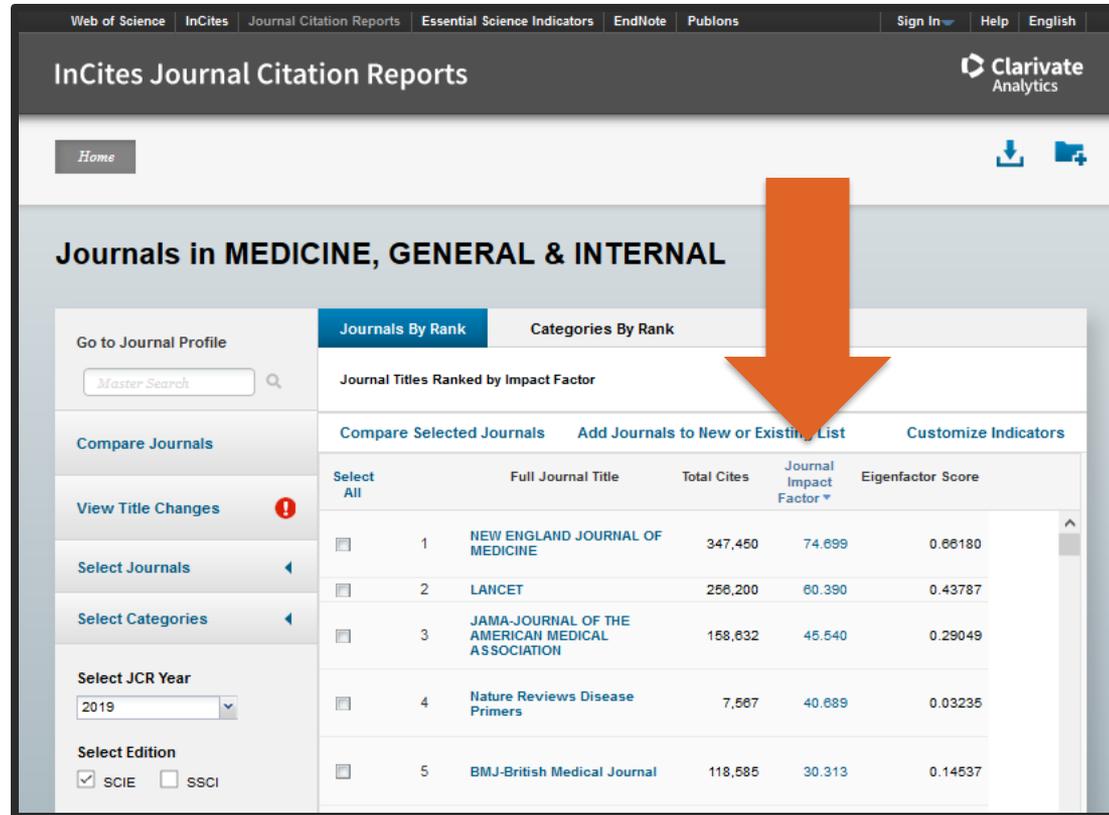
The JIF is located in the Journal Citation Reports (WOS).



Caveats

- Not field normalized.
- Only available for journals indexed in the Science Citation Index and Social Sciences Citation Index in the Web of Science Core Collection.
- Numerator can be inflated by items not counted in the denominator.
- Can be affected by self-citations or highly cited articles within the journal.

Where to find it: Journal Impact Factor (JIF)



The screenshot displays the 'InCites Journal Citation Reports' interface. At the top, navigation links include 'Web of Science', 'InCites', 'Journal Citation Reports', 'Essential Science Indicators', 'EndNote', 'Publons', 'Sign In', 'Help', and 'English'. The main header reads 'InCites Journal Citation Reports' with the 'Clarivate Analytics' logo. A 'Home' button is visible on the left. The central heading is 'Journals in MEDICINE, GENERAL & INTERNAL'. Below this, there are tabs for 'Journals By Rank' (selected) and 'Categories By Rank'. A search bar labeled 'Master Search' is present. On the left sidebar, there are options for 'Compare Journals', 'View Title Changes', 'Select Journals', 'Select Categories', 'Select JCR Year' (set to 2019), and 'Select Edition' (with 'SCIE' checked). The main content area shows 'Journal Titles Ranked by Impact Factor' with a table of results. A large orange arrow points to the 'Journal Impact Factor' column.

Select		Full Journal Title	Total Cites	Journal Impact Factor	Eigenfactor Score
<input type="checkbox"/>	1	NEW ENGLAND JOURNAL OF MEDICINE	347,450	74.699	0.66180
<input type="checkbox"/>	2	LANCET	256,200	60.390	0.43787
<input type="checkbox"/>	3	JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION	158,632	45.540	0.29049
<input type="checkbox"/>	4	Nature Reviews Disease Primers	7,567	40.689	0.03235
<input type="checkbox"/>	5	BMJ-British Medical Journal	118,585	30.313	0.14537

Final Thoughts: Journal Impact Factor (JIF)

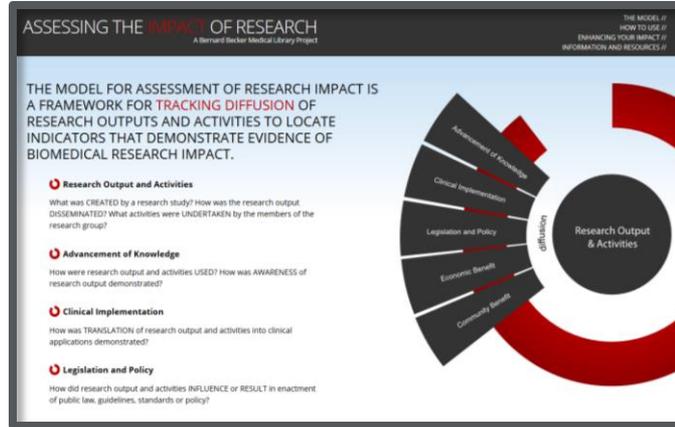
Metric statement: *The Lancet has a JIF of 60.39, which is the second highest journal impact factor of the 165 journals in the category of Medicine, General & Internal (InCites JCR). Of the 688 documents authored by Dr. Fauci that are indexed in Web of Science, 10 of them were published in The Lancet.*

What that means: *This means that documents published in The Lancet in the most recent two years should receive on average 60.4 citations in the most recent year.*

“The JIF was devised to measure the influence of journals but has been widely used to judge individual articles. This use is based on the specious assumption that all articles in a journal are equally influential, as reflected by their number of citations. This misuse can lead to weak articles being overvalued and important work being undervalued.”

Reference: Surkis, Spore. “The Relative Citation Ratio: What Is It and Why Should Medical Librarians Care?” *Journal of the Medical Library Association*, vol. 106, no. 4, Medical Library Association, Oct. 2018, pp. 508–13, doi:10.5195/jmla.2018.499.

Building a library of metrics ...



<https://becker.wustl.edu/impact-assessment>

100 Metrics to Assess and Communicate the Value of Biomedical Research
An Ideas Book

Susan Guthrie, Joachim Krapels, Catherine Lichten, Steven Wooding

RAND EUROPE AAMC

http://www.rand.org/pubs/research_reports/RR1606.html

Scientometrics
October 2014, Volume 101, Issue 1, pp 125-158

A review of the characteristics of 108 author-level bibliometric indicators

Authors: [Authors and affiliations](#)

Lorna Wildgaard, Jesper W. Schneider, Birger Larsen

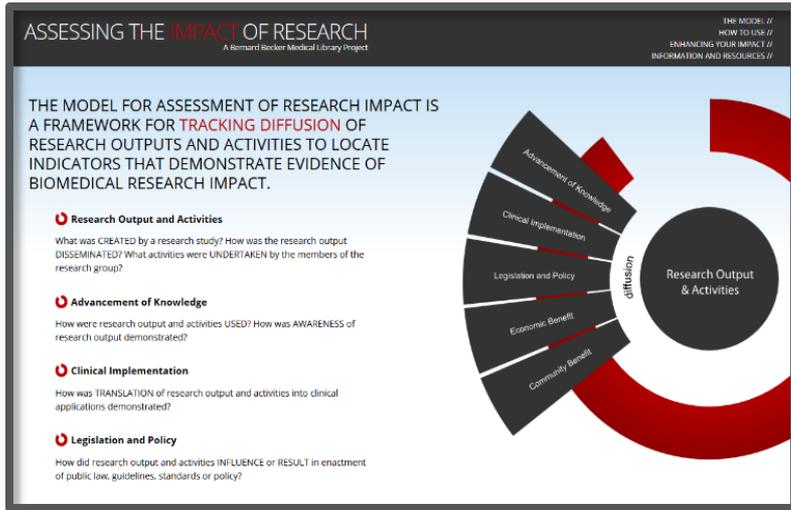
Article
First Online: 06 September 2014
DOI: 10.1007/s11192-014-1423-3

Cite this article as:
Wildgaard, L., Schneider, J.W. & Larsen, B. Scientometrics (2014) 101: 125.
doi:10.1007/s11192-014-1423-3

16 Citations 1 Shares 1.2k Downloads

<https://arxiv.org/abs/1408.5700>

Helpful Frameworks for Research Impact



Becker Medical Library Model for Assessment of Research Impact

Advancement of Knowledge

Books or Book Chapters

Book or book chapters generated by the research study is noted in a bibliography. Book is used as a textbook for higher education. Translations of the book. Book or book chapter cited in subsequent publications.

Change in Understanding and Awareness

Research study findings represent a paradigm shift in a field.
Research study findings lead to change in understanding a problem.

Citations to Publications

Number of first generation citations. Number of second generation citations. Countries represented by citations. Institutions represented by citations. Languages represented by citations.

<https://becker.wustl.edu/impact-assessment>

Helpful Frameworks for Research Impact



100 Metrics to Assess and Communicate the Value of Biomedical Research

Research Impacts

Number of journal articles published

The number of peer-reviewed journal articles published over a particular timeframe is a quantitative metric of the volume of research produced by an individual or institution.

Number of citations

Measures of citations to published articles are used as a proxy for article quality. Can include Highly Cited Papers, Normalized Citation Score, etc.

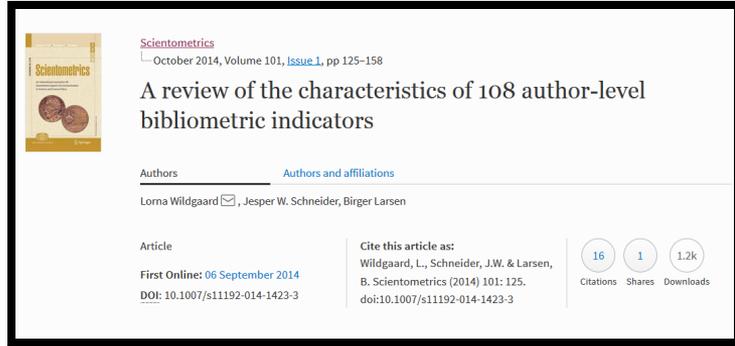
Number of research output downloads

The number of times a research output has been downloaded gives an indication of how much it is being of use and the level of interest in it.

Mentions in Social Media

Information on who is citing the institution in social media can help identify where the influence of the medical school or teaching hospital is being felt across the sector, noting that this may be within academia.

Helpful Frameworks for Research Impact



<https://arxiv.org/abs/1408.5700>

A review of the characteristics of 108 author-level bibliometric indicators

Indicators of publication count

P (total publications)	Count of production used in formal communications
FA (first author counting)	Credit given to first author only
Co-authors	Indicates cooperation and growth of cooperation at inter- and national level
Noblesse Oblige (last author counting)	Indicates importance of the last author for the project behind the paper



Bibliometrics: The Leiden Manifesto for research metrics

Diana Hicks, Paul Wouters, Ludo Waltman,
Sarah de Rijcke & Ismael Rafols

22 April 2015

Use these ten principles to guide research evaluation, urge
Diana Hicks, Paul Wouters and colleagues.

Responsible Metrics Movement

The **Declaration on Research Assessment (DORA)** is a initiative to improve the ways in which researchers and the outputs of scholarly research are evaluated (2012).

The **Metric Tide** is an independent review of the role of metrics in research assessment (2015).

The **Leiden Manifesto** is a list of ten principles to guide research evaluation (2015).

In addition, academic institutions and other organizations have written their own responsible metrics statements.
See: <https://thebibliomagician.wordpress.com/statements-of-responsible-metrics-2/>

Road map for enhancing Research Impact

Update online presence

Credit for your work

Focus on open access

Follow your colleagues

Improve your online presence: update online profiles

- **Northwestern Scholars** <https://www.scholars.northwestern.edu/>
- **FSM Faculty Profiles** <http://www.feinberg.northwestern.edu/faculty-profiles/>
- **ORCID** <http://orcid.org/>
- **Scopus Author ID** <https://www.edited/scopus/kw/author+ID/>
- **Web of Science Researcher ID** <http://www.researcherid.com>
- **Google Scholar** <https://scholar.google.com/>
- **Linked In** <https://www.linkedin.com/>

ORCID

Scopus

Northwestern University Feinberg School of Medicine

Faculty Profiles

RESEARCHERID

LinkedIn

Google
scholar

35

Sign up for ORCID: Open Researcher and Contributor ID

Sign up for an ORCID and/or connect your ORCID to Northwestern systems:

<https://orcid.it.northwestern.edu>

ORCID

See our ORCID Guide:
<https://libguides.galter.northwestern.edu/orcid>

Josiah Carberry

ORCID iD

<https://orcid.org/0000-0002-1825-0097>

[Print view](#)

Also known as

Josiah Stinkney Carberry, J. Carberry, J. S. Carberry

Websites & Social Links

[Brown University Page](#)
[Wikipedia Entry](#)

Keywords

psychoceramics, ionian philology

Biography

Josiah Carberry is a fictitious person. This account is used as a demonstration account by ORCID, CrossRef and others who wish to demonstrate the interaction of ORCID with other scholarly communication systems without having to use a real-person's account.

Josiah Stinkney Carberry is a fictional professor, created as a joke in 1929. He is said to still teach at Brown University, and to be known for his work in "psychoceramics", the supposed study of "cracked pots". See his Wikipedia entry for more details.

Employment (2)

Wesleyan University: Middletown, CT, US
1930-02-29 to present | Professor (Psychoceramics)
Employment

Source: Josiah Carberry

★ Preferred source

Note, in the future you may be asked to sign into ORCID through some Northwestern systems.

Connect your ORCID ID

		Link to Resource	Link to Instructions
Abstracting & Indexing Databases NU Systems	Northwestern ORCID App **	Resource	Instructions
	Northwestern Elements	Resource	Instructions
	Scopus **	Resource	Instructions
	Web of Science **	Resource	Instructions
	Dimensions	Resource	Instructions
	MLA International Bibliography	Log into ORCID	Instructions
Data Aggregators	CrossRef	Log into ORCID	Instructions
	DataCite	Log into ORCID	Instructions
Generalist Repositories	Zenodo	Log into Zenodo	
	Figshare	Resource	Instructions
	Dryad	Resource	Instructions
Manuscript Submission Systems	ScholarOne	Log in during submission	Instructions
	Editorial Manager	Log in during submission	Instructions

Use your ORCID ID

Tips for using your ORCID iD and record:

- Use your ORCID iD if prompted during **manuscript submission** and **grant proposal submissions**.
- Link your ORCID iD to (or include it in your profile for) other services, including **ResearcherID**, **figshare**, and your professional organizations.
- Include your ORCID iD on **conference posters** (generate a QR code, if you like, right from your ORCID record page), to direct people to your works.
- Consider including your ORCID iD on your **webpage**, in **social media accounts**, and in your **email signature**.



Consider Open Access with DigitalHub

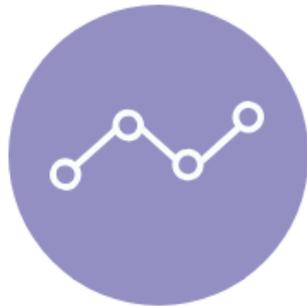
DigitalHub

<https://digitalhub.northwestern.edu/>

DigitalHub is an online repository for the scholarly output and research data of Feinberg School of Medicine



disseminate
work to a
larger audience



provide a
citable link and
easy access to
your work



store your
research in a
central,
searchable
database



ensure long-term
preservation of
your work

What can you upload to DigitalHub?



*research papers
case reports
technical reports*



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summary statistics*



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*conference papers
abstracts
presentations*



*educational materials
workshop resources*

and so much more...

Content in DigitalHub

The content should be scholarly, educational, or related to the university's mission.

The content should be in its final form. DigitalHub is intended to be an archive, not a storehouse for works in progress.

The content needs to be in a digital format.

The content should not contain personal health information or other sensitive information.

Questions? Contact digitalhub@northwestern.edu

What about copyright?



Who is the copyright owner?

The person or entity holding the copyright for unpublished materials is often the author; for published materials most authors have transferred their copyright to journal or book publishers.



You can check publisher's open access policies using Sherpa Romeo:

<https://v2.sherpa.ac.uk/romeo/>

You can check publisher's open data policies using OAD:

http://oad.simmons.edu/oadwiki/Journal_open-data_policies

Copyright Basics Guide:

<https://libguides.northwestern.edu/copyrightbasics>

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What is a creative commons license?

All content uploaded to DigitalHub should be made available with a license; the license tells others how your content can be used.



Use the license chooser to determine the best Creative Commons License for your work:

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Open Access Resources at Northwestern

Guide on Northwestern Support for OA Publishing

- <https://libguides.galter.northwestern.edu/oapublishing/support>

Northwestern OA Fund

- <https://www.library.northwestern.edu/research/scholarly/open-access-fund.html>

Wiley Hybrid Journal Agreement

- **Wiley Journal Recommender System:**
<https://journalfinder.wiley.com/search?type=match>

Directory of Open Access Journals

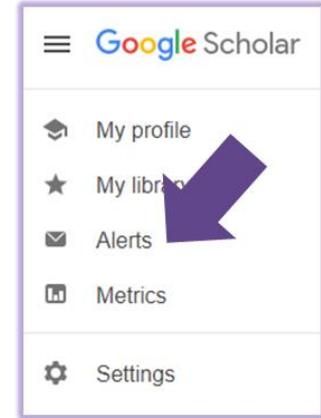
- <http://www.doaj.org/>



<http://www.doaj.org/>

Curate your work: Set up alerts for your work

- Curate from Latin *curare* meaning "take care"
- Keep your profiles updated
- Set up alerts in:
 - Scopus
 - Web of Science
 - Google Scholar
 - Google



Useful Tools and Resources



Audience Choice for Demonstration

Metrics Toolkit

- **Description:** an online evidence-based resource for navigating the research metrics landscape
- **Available at:** <https://www.metrics-toolkit.org/>

ImpactStory

- **Description:** an aggregator of alternative metrics that focuses on building personal profiles to illustrate research impact.
- **Available at:** <https://profiles.impactstory.org/search>

Grow Kudos

- **Description:** an online tool to increase readership through lay summaries and track readership and views
- **Available at:** <https://www.growkudos.com/>

Altmetric Bookmarklet

- **Description:** an aggregator of alternative metrics that focuses on individual articles and provides an overall score
- **Available at:** <https://www.altmetric.com/products/free-tools/bookmarklet/>

Scite Browser Extension

- **Description:** a browser extensions that shows how a research article is supported, contrasted, or mentioned
- **Available at:** <https://scite.ai/extension-install>

Author and Citation Alerts in:

- Scopus
- Web of Science

Metrics Toolkit



HELPING YOU NAVIGATE THE RESEARCH METRICS LANDSCAPE

The Metrics Toolkit is a resource for researchers and evaluators that provides guidance for demonstrating and evaluating claims of research impact. With the Toolkit you can quickly understand what a metric means, how it is calculated, and if it's good match for your impact question.

Available at: <https://www.metrics-toolkit.org/>

Metrics Toolkit (continued)

Check out: Blog mentions

Available at: https://www.metrics-toolkit.org/metrics/blog_mentions/

Blog mentions

Field	Field Value
Name	Blog Mentions
Can Apply To	Primarily articles, books, and other scholarly items with persistent identifiers, such as a DOI, Pubmed ID, or Handle
Metric Definition	The number of times a scholarly output has been linked to from a blog.
Metric Calculation	Blog mentions are comprised of raw counts of links to outputs, from blogs. Some services track links only for items with a persistent identifier.
Data Sources	Links from both scholarly and general interest blogs are tracked, though coverage varies between altmetrics services.
Appropriate Use Cases	Discussions on blogs have been found to have a slight correlation to later citations. They are not a sure-fire indicator for later citations. Use blog mentions only to learn what other researchers or members of the public are saying about a piece of research. The number of blog mentions is less important than what is being said.
Limitations	Given their unvetted nature, it is risky to assume that a link to a piece of research from any blog—even a scholarly one—constitutes quality criticism.
Inappropriate Use Cases	Blog mentions should not be interpreted as a direct measure of quality or impact, even amongst researcher blog networks.
Available Metric Sources	Altmetric, PlumX, Impactstory Profiles, CrossRef Event Data (for items with DOIs, on Wordpress.com-hosted blogs)
Transparency	In all altmetrics services in which blog mentions are available, one can access the full-text of the blog mentions, making this a relatively transparent metric. However, no altmetrics service makes their full list of blogs tracked available.
Website	n/a
Timeframe	Altmetric began tracking blog mentions in October 2011 (meaning Impactstory Profiles coverage spans this time frame, as well). PlumX does not share information on its coverage dates for blog mentions.

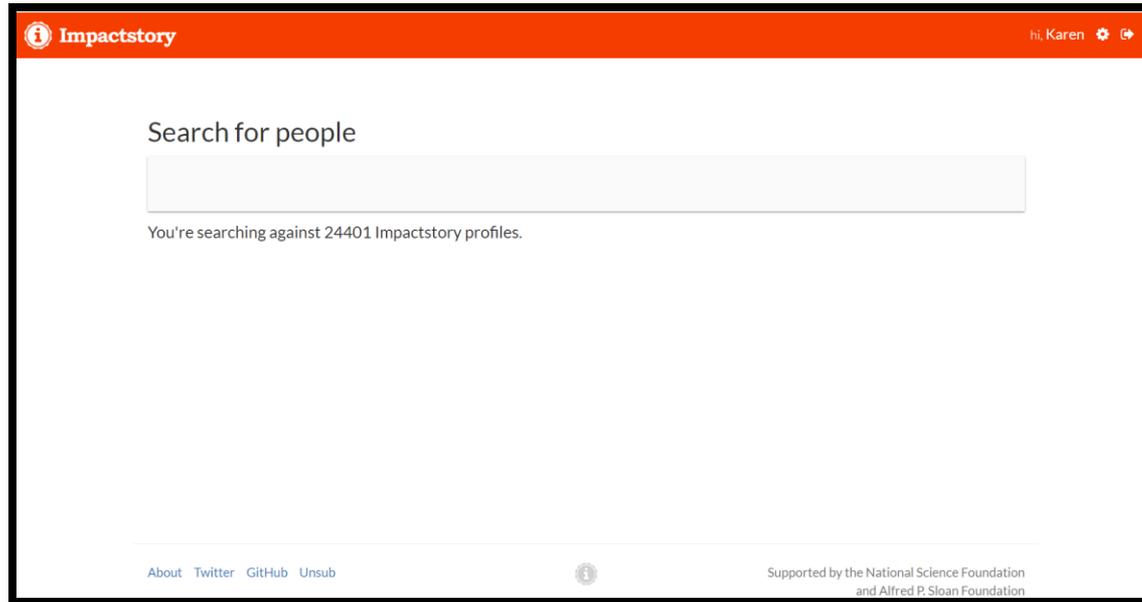
Updated on 10 Aug 2020

Metrics Toolkit

Quiz Questions

1. What are three sources where you can find the h-index?
2. What metric is considered the most appropriate means of comparison between journal articles or groups of journal articles because it is field normalized and is less prone skew from outliers, such as a few highly cited publications?
3. What metric primarily applies to software and code?
4. Which metric is a field-normalized indicator of influence, used by the NIH for evaluating the relative merits of biomedical research articles?
5. Other than Google Data, what is another possible location for finding counts of data citations?
6. Article Citations are a measure of:
 - a) research quality
 - b) influence amongst other scholars
 - c) positive reputation for a researcher
 - d) comparison between papers

Impactstory



Available at: <https://profiles.impactstory.org/search>

Impactstory (continued)

- **All Readers Welcome:** reading level of abstracts and titles
- **Big in Japan:** Work has been saved or shared by someone in Japan
- **Global Reach:** Number of countries to research has been saved and shared in
- **Global South:** percent of people from the Global South who save and share research (including Brazil, Ukraine, China, etc.).
- **Greatest Hit:** top publication based on saves and shares
- **Open Access:** percent of research free to read online
- **Open Hero:** every paper is free to read online
- **Open License:** percent of research with a CC-BY, CCO, or public domain license
- **Wikitastic:** Research is mentioned in Wikipedia articles

 **Open Hero** Top 10%
Every single one of your papers is free to read online. Wow! That's a level of access only 2% of other researchers achieve. Open access [helps real people](#), and that's pretty heroic.

 **Open Access** Top 10%
100% of your research is free to read online. This level of availability puts you in the top 1% of researchers.
👉 Even better, 36% of your papers are published under a fully Open license like CC-BY, making them available for a wide range of reuse (not just reading). Learn more about why this is important at [HowOpenIsIt](#).

 **Open License** Top 10%
36% of your research has a CC-BY, CCO, or public domain license. This level of availability puts you in the top 3% of researchers.

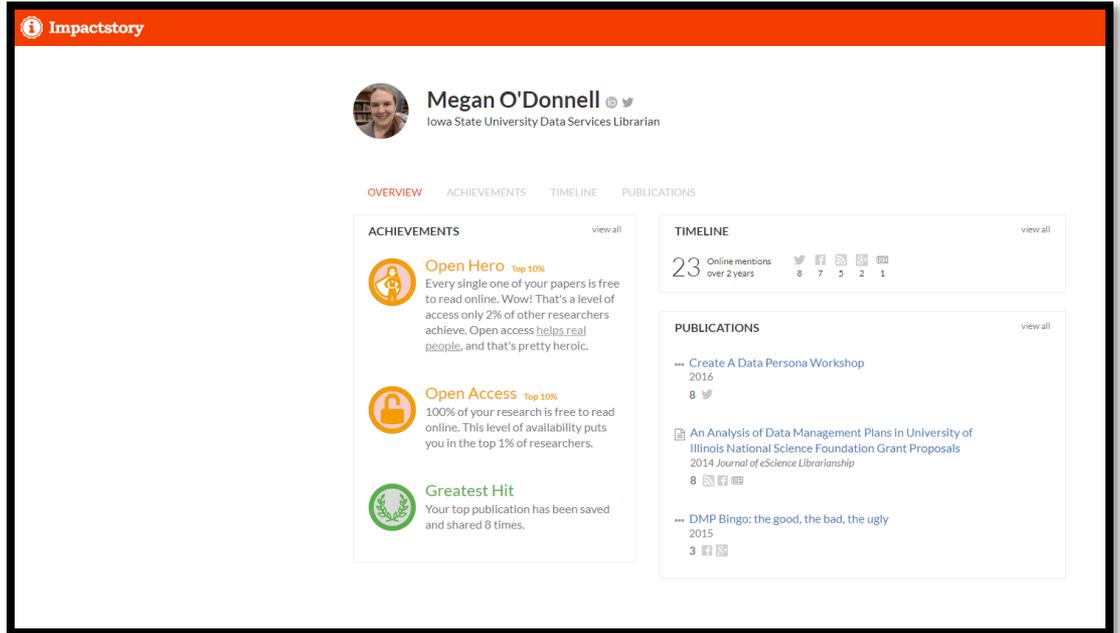
 **Greatest Hit**
Your top publication has been saved and shared 8 times.
👉 Your greatest hit online is [Create A Data Persona Workshop](#).

 **All Readers Welcome**
Your writing has a reading level that is easily understood at grade 9 and above, based on its abstracts and titles. That's great — it helps lay people and practitioners use your research. It also puts you in the top 2% in readability.

Impactstory (continued)

Check out some profiles:

- Megan O'Donnell:
<https://profiles.impactstory.org/u/0000-0002-4632-6642>
- Pedro Silva:
<https://profiles.impactstory.org/u/0000-0001-9316-9275>
- Heather Piwowar:
<https://profiles.impactstory.org/u/0000-0003-1613-5981>
- Stacy Konkiel:
<https://profiles.impactstory.org/u/0000-0002-0546-8257>
- Robert Terry:
<https://profiles.impactstory.org/u/0000-0003-3849-7705>



Impactstory

 **Megan O'Donnell**  
Iowa State University Data Services Librarian

OVERVIEW ACHIEVEMENTS TIMELINE PUBLICATIONS

ACHIEVEMENTS [view all](#)

-  **Open Hero** Top 10%
Every single one of your papers is free to read online. Wow! That's a level of access only 2% of other researchers achieve. Open access [helps real people](#), and that's pretty heroic.
-  **Open Access** Top 10%
100% of your research is free to read online. This level of availability puts you in the top 1% of researchers.
-  **Greatest Hit**
Your top publication has been saved and shared 8 times.

TIMELINE [view all](#)

23 Online mentions over 2 years     

PUBLICATIONS [view all](#)

- ... [Create A Data Persona Workshop](#)
2016
8 
- ... [An Analysis of Data Management Plans in University of Illinois National Science Foundation Grant Proposals](#)
2014 *Journal of eScience Librarianship*
8   
- ... [DMP Bingo: the good, the bad, the ugly](#)
2015
3  

Search more profiles here:

<https://profiles.impactstory.org/search>

Kudos

*Kudos

Grow the influence of your research

Tell the story of your research and showcase it to a global audience.

[Join for free](#) [Learn more](#)

Explore research Stories from scientists, written for everyone to understand.

Search Stories or researchers

Available at: <https://www.growkudos.com/>

Kudos (continued)

Explain
Explain your work in plain language to make it easier for readers to find, understand, and apply your work. For reference, you can review your publication/abstract here.

Plain language title
Add a plain language title to make your publication easier to find and to help increase citations. Please note there is a limit of 100 characters. See examples... ▾

What is it about?
Add a simple, non-technical explanation or the lay summary of your publication to make it more accessible to a broader audience. Please note that this is not the abstract, but a plain language summary to help more people find and understand your work. See examples... ▾

Characters (we recommend at least 250): 0 See examples... ▾

Why is it important?
Add an explanation of what is unique and/or timely about your work, and the difference it might make to help increase readership. See examples... ▾

Perspectives
Add your own personal perspective about this publication. Note that this is your opportunity to comment as an individual, whereas the 'What's it about?' and 'Why is it Important?' sections are jointly created by one or more authors. See examples... ▾

Save

Publication

Balance and handle position

Jernej Čamernik, Morteza Azad, Luka Peternel, Zrinka Potocanac, Jan Babič

Ergonomics, February 2019, Taylor & Francis
DOI: 10.1080/00140139.2018.1559363

What is it about?

Handles mounted on buses and trains are meant to provide a safer and more comfortable commute. However, at what height should the handles be positioned to provide the best postural stability? We analyzed the stability of young healthy participants in three different handle positions and two unsupported standing poses. Results indicate that even though all handle positions provide much better stability when compared to unsupported poses, the way we use them is very different. Holding a handle at shoulder height appears to be the best choice since the forces on the handle were the lowest while the stability was comparable to other poses.



Photo by ZSun Fu on Unsplash

Check out the Kudos Research Showcase:

<https://www.growkudos.com/showcase/>

Some examples to review:

- <https://www.growkudos.com/publications/10.1073%25252Fpnas.2213418120/reader>
- <https://www.growkudos.com/publications/10.1017%25252Fs1355770x2000056x/reader>

Kudos (continued)

***Kudos** Karen E Gutzman | Menu

Compelling Evidence: New Tools and Methods for Aligning Collections with the Research Mission
Joelen Pastva, Bart Davis, Karen Gutzman, Ramune Kubilius, Aaron Sorensen
The Serials Librarian, January 2020, Taylor & Francis
DOI: 10.1080/0361526x.2020.1701393

Publication metrics [Go to publication page](#)

Overview

Metric	Value
Number of shares	7
Clicks on shares*	49
Views on Kudos	123
Clicks on Read Publication button	7
Altmetric score**	4
Crossref Citations***	1

[View citations on Google Scholar](#)

Share

Select a channel to share your work on:

- Link
- Twitter
- LinkedIn
- Facebook
- Weibo
- WeChat

Share a link

Create a trackable link that you can share online or offline - for example, by email; in a presentation, poster or handout; on a website, blog or via social media. You can give your shares a label (not publicly visible) to help you compare results.

Your trackable link is:

[Copy Link](#) [Share by email](#)

Altmetric Bookmarklet

1. Add bookmarklet to your bookmarks toolbar
2. Visit any paper
3. Get article level metrics with a single click



Available at: <https://www.altmetric.com/products/free-tools/bookmarklet/>

Altmetric Bookmarklet (continued)

The screenshot shows a web browser window with a bookmarklet overlay. The bookmarklet is titled "Altmetric it!" and displays a circular chart with the number 107. Below the chart, the following metrics are listed:

- Picked up by **1** news outlets
- Blogged by **2**
- Tweeted by **57**
- Referenced in **2** patents
- On **50** Facebook pages
- Mentioned in **28** Google+ posts
- Pinned by **1** on Pinterest

There is a link to "Click for more details" at the bottom of the bookmarklet. The background article is partially visible, showing the title "supplement on children" and authors "ough-Means, Robert A Rubin, David Quig, Elizabeth Suzanne Barnhouse & Wondra Lee".

Altmetric Bookmarklet (continued)

The Colors of the Donut

- Policy documents
- Google+
- News
- LinkedIn
- Blogs
- Reddit
- Twitter
- Research highlight platform
- Post-publication peer-reviews
- Q&A (Stack Overflow)
- Facebook
- Youtube
- Sina Weibo
- Pinterest
- Syllabi
- Patents
- Wikipedia

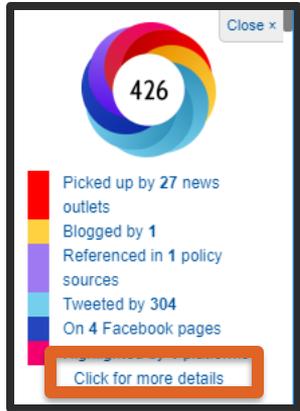
Example of an Altmetric Donut & Attention Score:



The Scoring of Sources

News	8
Blog	5
Policy document (per source)	3
Patent	3
Wikipedia	3
Peer review (Publons, Pubpeer)	1
Weibo (not trackable since 2015, but historical data kept)	1
Google+ (not trackable since 2019, but historical data kept)	1
F1000	1
Syllabi (Open Syllabus)	1
LinkedIn (not trackable since 2014, but historical data kept)	0.5
Twitter (tweets and retweets)	0.25
Facebook (only a curated list of public Pages)	0.25
Reddit	0.25
Pinterest (not trackable since 2013, but historical data kept)	0.25
Q&A (Stack Exchan)	0.25
Youtube	0.25
Number of Mendeley readers	0
Number of Dimensions and Web of Science citations	0

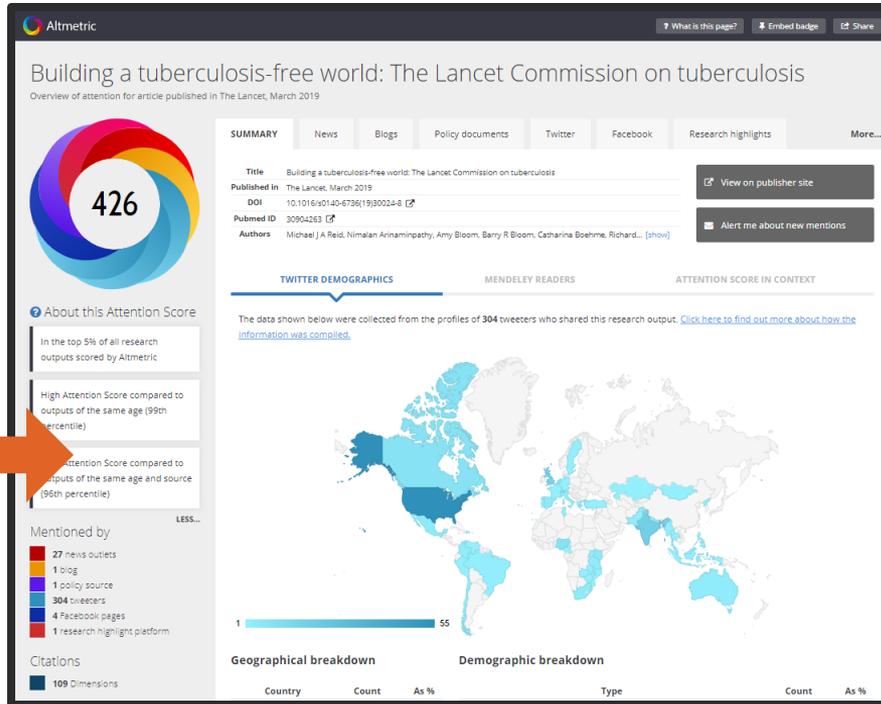
Altmetric Bookmarklet (continued)



426

- Picked up by 27 news outlets
- Blogged by 1
- Referenced in 1 policy sources
- Tweeted by 304
- On 4 Facebook pages

Click for more details



Altmetric

Building a tuberculosis-free world: The Lancet Commission on tuberculosis

Overview of attention for article published in The Lancet, March 2019

426

Summary: News, Blogs, Policy documents, Twitter, Facebook, Research highlights

Title: Building a tuberculosis-free world: The Lancet Commission on tuberculosis
Published in: The Lancet, March 2019
DOI: 10.1016/S0140-6736(19)30024-8
Pubmed ID: 30904263
Authors: Michael J A Reid, Nimalan Arinaminpathy, Amy Bloom, Barry R Bloom, Catharina Boehme, Richard... [show]

Twitter Demographics: 304 tweeters

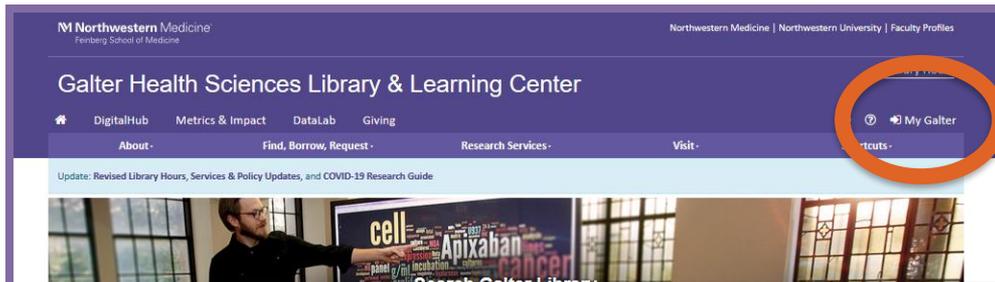
Geographical breakdown: World map showing attention by country.

Demographic breakdown: Breakdown by country, count, and percentage.

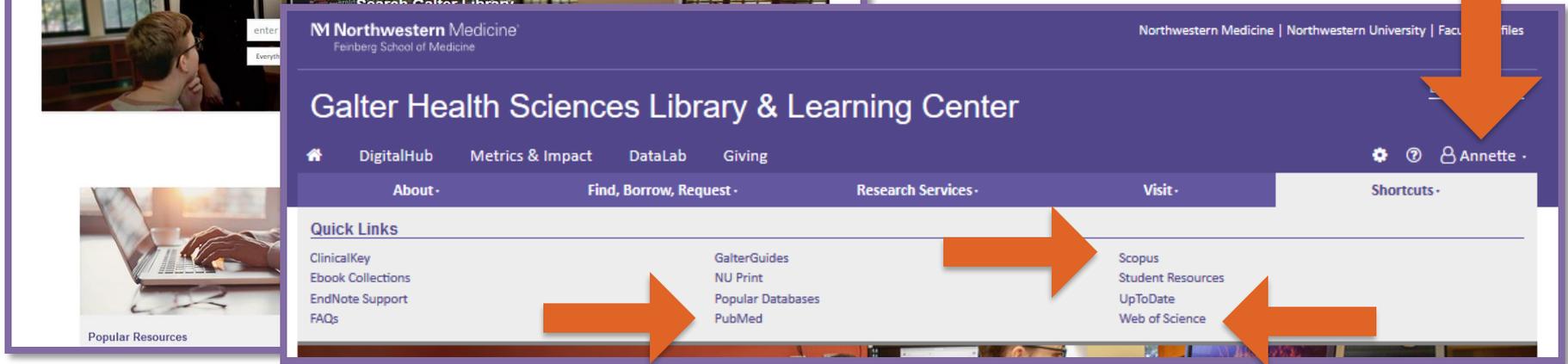
Check out some Altmetric Attention Scores:

- <https://doi.org/10.1038/s41562-020-0884-z>
- <https://doi.org/10.1542/peds.2020-016824>
- <https://doi.org/10.1016/j.ekir.2020.09.015>
- <https://doi.org/10.1098/rsif.2020.0686>
- <https://doi.org/10.1016/j.matt.2019.12.002>

Getting to Scopus, Web of Science and PubMed



Galter Health Sciences
Library & Learning Center:
www.galter.northwestern.edu



To learn more about accessing resources at Galter Library visit the [Online Resource Access](#) page on the Library Services FAQs libguide.

Web of Science Author and Citation Alerts

- Web of Science

Citation Alerts

How to add a Citation Alert

Add Alerts to Your List
When you add citation alerts, you receive emails when someone cites articles you selected. You can also use this feature to keep a list of your favorite articles.
To add an article:

1. Search one of our Web of Science citation databases (e.g., Web of Science Core Collection).
2. When you're viewing a full record, click **Create Citation Alert** (Note: not all full records have the **Create Citation Alert** button; for more information, read our help article).
3. Click the **Citation Alerts** link from the top of any *Web of Science* page to view your alerts list.

Citation Alerts

How to create an Alert

Add Searches to Your List
When you save searches to this list, you can set alerts to receive emails with the latest documents found from your search query.
You can also access your saved searches from any computer at the institution and run saved searches from the *Web of Science* homepage.
To save a search:

1. Click **Create Alert** on the left side of the search results page.
2. Give your search a name, and if you want, add a description. **Email Alerts** is automatically selected, but if you don't want alerts, just uncheck it.
3. Click **Save** to add the search to your list.

Scopus Author and Citation Alerts

Journal of the American Medical Association
Volume 285, Issue 19, 16 May 2001, Pages 2486-2497

Executive summary of the third report of the National Cholesterol Education Program (NCEP) expert panel on detection, evaluation, and treatment of high blood cholesterol in adults (adult treatment panel III) (Article)

1024.75 Field-Weighted Citation Impact

PlumX Metrics
Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Scopus

Search Sources Lists SciVal

Author details

< Return to search results 1 of 1

Gutzman, Karen E. [View potential author matches](#)

Author ID: 56503901200
<http://orcid.org/0000-0001-6331-4451>

Affiliation(s): Northwestern University
 Other name for: Scopus
 Subject area:

Profile actions

- Edit author profile
- Connect to ORCID
- Alerts
 - Set citation alert
 - Set document alert
- Save to author list
- Learn more about Scopus Profiles

MSC 2480, 31 Center Dr, Bethesda, MD 20892-2480, United States

Cited by 20631 documents

Impact of insulin resistance and metabolic syndrome on disability in patients with multiple sclerosis

Soliman, R.H., Farhan, H.M., Hegazy, M. (2020) *Egyptian Journal of Neurology, Psychiatry and Neurosurgery*

Dual use of electronic and conventional cigarettes is associated with higher cardiovascular risk factors in Korean men
 Kim, C.-Y., Paek, Y.-J., Seo, H.G. (2020) *Scientific Reports*

Association between famine exposure in early life with insulin resistance and beta cell dysfunction in adulthood

Wang, Y., Wan, H., Chen, C. (2020) *Nutrition and Diabetes*

[View all 20631 citing documents](#)

Inform me when this document is cited in Scopus:

[Set citation alert >](#) [Set citation feed >](#)

Source details

JAMA - Journal of the American Medical Association

Scopus coverage years: from 1883 to Present

Publisher: American Medical Association

ISSN: 0098-7484 E-ISSN: 1538-3598

Subject area: [Medicine: General Medicine](#)

[View all documents >](#)

[Set document alert](#)

[Journal Homepage](#)

- [atorvastatin](#) [cerivastatin](#) [cholesterol](#) [clofibrate](#) [colestipol](#) [colestyramine](#) [fenofibrate](#) [fibric acid derivative](#)
[fluindostatin](#) [gemfibrozil](#) [high density lipoprotein cholesterol](#) [hydroxymethylglutaryl coenzyme A reductase inhibitor](#)
[hypcholesterolemic agent](#) [low density lipoprotein cholesterol](#) [mevinolin](#) [nicotinic acid derivative](#) [pravastatin](#)
[simvastatin](#)
[adult](#) [aged](#) [article](#) [cholesterol blood level](#) [diet](#) [female](#) [gallstone](#) [gastrointestinal symptom](#) [human](#)
[hypercholesterolemia](#) [hyperglycemia](#) [hyperuricemia](#) [lifestyle](#) [lipoprotein metabolism](#) [liver toxicity](#)
[major clinical study](#) [male](#) [myopathy](#) [physical activity](#) [primary prevention](#) [priority journal](#) [risk assessment](#)
[risk factor](#) [weight reduction](#)

Scopus Metrics

Metrics [View all metrics >](#)

2479 Citations in Scopus
99th percentile

230.96 Field-Weighted Citation Impact

PlumX Metrics
Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Citations

Citation Indexes:	2002
Clinical Citations:	6

Usage

Abstract Views:	4
Link-outs:	2

Captures

Readers:	1874
----------	------

Mentions

Blog Mentions:	2
News Mentions:	2

Social Media

Tweets:	1
---------	---

[see details](#)

Scopus Metrics

2479 Citations
Total number of times this document has been cited in Scopus.

Date range: 2016 to 2020 [Update](#)

- Include all citations
- Exclude self citations
- Exclude citations from books

535 citations in this date range

Citation benchmarking
Shows how citations received by this document compares with the average for similar documents.

99th percentile

Field-Weighted Citation Impact
Shows how well this document is cited when compared to similar documents. A value greater than 1.00 means the document is more cited than expected.

230.96

PlumX Metrics [see details](#)

Citations	Usage	Captures	Mentions
CrossRef - Citation Indexes: 2002 DynaMed Plus - Clinical Citations: 3 PubMed - Citation Indexes: 787 PubMed Guidelines - Clinical Citations: 6	EBSCO - Abstract Views: 4 EBSCO - Link-outs: 2	Mendeley - Readers: 667 Mendeley - Readers: 608 Mendeley - Readers: 600 Mendeley - Readers: 1	Blogs: 2 News: 2

Social Media

Twitter - Tweets: 1

Scite Browser Extension

The screenshot shows the Scite browser extension interface. At the top left is the 'scite' logo with a 'beta' tag. A search bar contains the text 'collins, francis'. To the right are buttons for 'Install extension!', a menu icon, and 'Sign in'. The main content area displays a search result for a Nature article titled 'Scientists need a shorter path to research freedom' by Francis Collins. On the left, there are filters for 'Classification' (supporting, mentioning, disputing) and 'Year Published' (2010-2015). A central notification box states: 'Reports for visitors are limited to 10 Smart Citations. Please sign up for a free account or sign in to access unlimited Smart Citations.' Below this, it shows '4 Citation Statements (4 Sources)' and a search bar. One citation is visible, mentioning the article and providing a quote: '...Among a total of 13 young recipients of these prizes, 7 were born in Asia, 5 were from Europe, and 1 was born in New Zealand. Although the average age at which biomedical scientists begin an independent career has steadily drifted upward, the accomplishments of the young prize winners are striking (1)(2)(3)(4)(5)....' The citation is attributed to 'The Long Road To Renown: The 2015 Vilcek Foundation Prizes Prashant Nair, et al. 2015 FASEB j. scite.report'.

Available at: <https://scite.ai/extension-install>

Scite Browser Extension (continued)

Things to know:

- Citations are classified by a deep learning model that is trained to identify three categories of citation statements: those that provide contrasting or supporting *evidence* for the cited work, and others, which mention the cited study without providing evidence for its validity.
- Citations that simply use the same method, reagent, or software are not classified as supporting.
- Cited by counts come from full-text article indexed through publisher agreements. Often lower than expected!
- The browser extension currently supports Wikipedia, Pubmed, Pubmed Central, ScienceDirect, eLife, Nature, Google, Google Scholar, PLOS, ORCID, AGS, Springer, MDPI, Sage, Taylor & Francis Online, SPIE, Wiley, Karger biorxiv, medrxiv, Science, Web of Science, Scopus, PNAS and Europe PMC, IOP, fsg, frontiers, IUCr, Thieme, Cambridge University Press, Rockefeller University Press, etc.

Scite Browser Extension (continued)

Review some examples of Scite Browser Extension:

- <https://pubmed.ncbi.nlm.nih.gov/30177761/>
- <https://pubmed.ncbi.nlm.nih.gov/30429354/>
- <https://pubmed.ncbi.nlm.nih.gov/30379613/>
- <https://pubmed.ncbi.nlm.nih.gov/29299598/>
- <https://pubmed.ncbi.nlm.nih.gov/34040097/>

*Note In interpreting citation statements - the **black bold text** is the metadata of the citing publication. The **blue text** is the citation to the cited publication.*

Scite Question/Answer Mode:

- <https://scite.ai/search?mode=question-answering>
- Sample Questions:
 - What are myths about antibiotic resistance?
 - What are the biggest sources of air pollution?
 - Do strengthening interventions increase strength in people who are suffering the effects of acute and chronic stroke?
 - Is the Mapleson C circuit more effective than the Laerdal circuit in removing secretions and improving ventilation and gas exchange during manual hyperinflation?

VosViewer

- VOSviewer is a software tool for constructing and visualizing bibliometric networks. These networks may for instance include journals, researchers, or individual publications, and they can be constructed based on citation, bibliographic coupling, co-citation, or co-authorship relations. VOSviewer also offers text mining functionality that can be used to construct and visualize co-occurrence networks of important terms extracted from a body of scientific literature.
- Download at: <https://www.vosviewer.com/>

VosViewer

- A quick search and export in Scopus for the subject area of Pediatrics (applied at the journal-level) and Northwestern affiliation, limit to final publications, articles, reviews, and 2010-2019:

```
SUBTERMS (2735 ) AND ( AF-ID ( "Northwestern University" 60007363 ) OR AF-ID ( "Northwestern University Feinberg School of Medicine" 60013227 ) OR AF-ID ( "Rehabilitation Institute of Chicago" 60001590 ) OR AF-ID ( "McGaw Medical Center of Northwestern University" 60006203 ) OR AF-ID ( "Ann & Robert H. Lurie Children's Hospital of Chicago" 60017031 ) ) AND ( LIMIT-TO ( PUBSTAGE , "final" ) ) AND ( LIMIT-TO ( DOCTYPE , "ar" ) OR LIMIT-TO ( DOCTYPE , "re" ) ) AND ( LIMIT-TO ( PUBYEAR , 2019 ) OR LIMIT-TO ( PUBYEAR , 2018 ) OR LIMIT-TO ( PUBYEAR , 2017 ) OR LIMIT-TO ( PUBYEAR , 2016 ) OR LIMIT-TO ( PUBYEAR , 2015 ) OR LIMIT-TO ( PUBYEAR , 2014 ) OR LIMIT-TO ( PUBYEAR , 2013 ) OR LIMIT-TO ( PUBYEAR , 2012 ) OR LIMIT-TO ( PUBYEAR , 2011 ) OR LIMIT-TO ( PUBYEAR , 2010 ) )
```

- In VosViewer, consider creating a term co-occurrence map using the overlay visualization with scores by average publication to view topical trends over time.

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Thank You

What is the purpose of research evaluation?

Advocacy



Making the case for research

Analysis



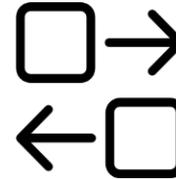
Understanding what works

Accountability



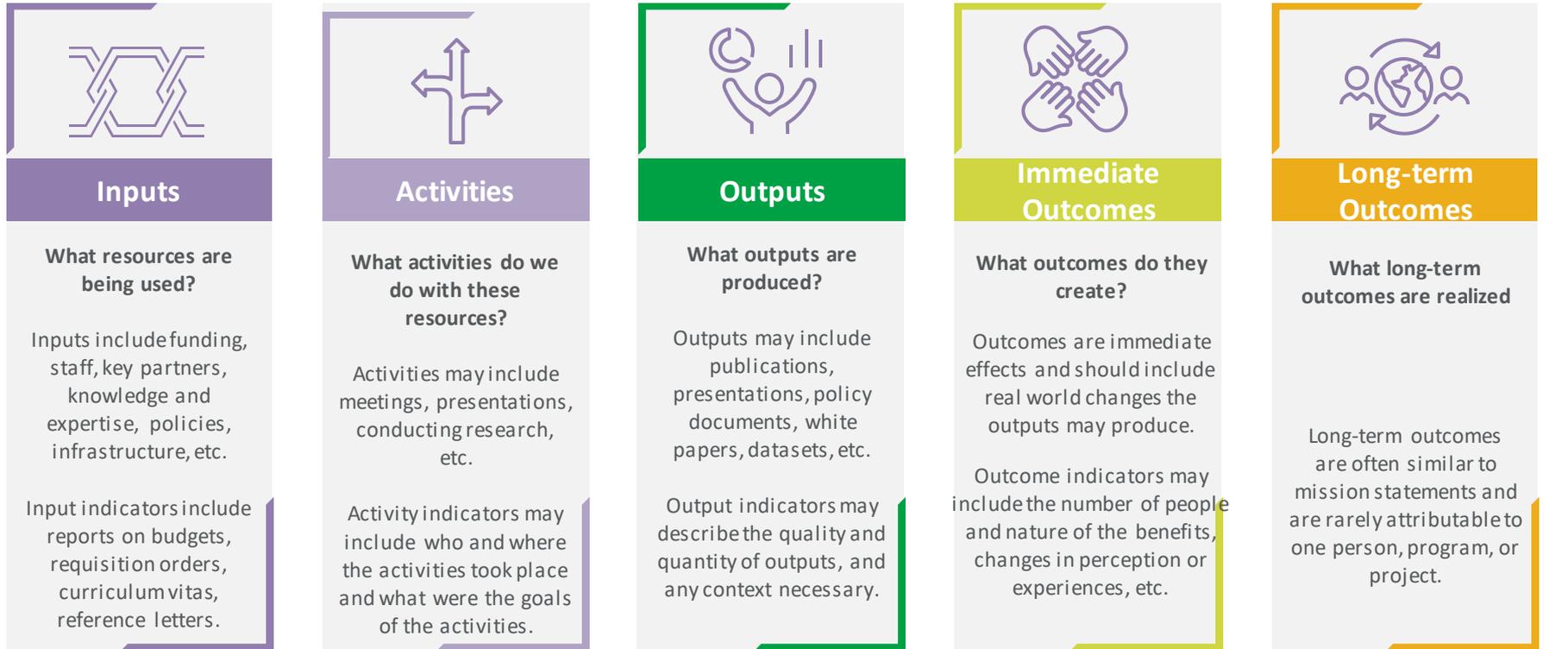
...to taxpayers and donors

Allocation



Rewarding impact

Example of Program or Project Evaluation



Bibliometric Websites

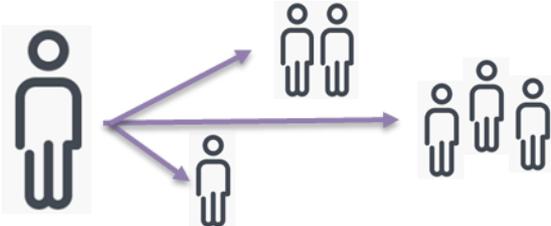
- Altmetrics

Resources



Real time information

Reach new audiences



Track various kinds of output

Advantages