



Altmetric



Altmetrics: A Special Metrics for Article Level Analysis

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Altmetrics



- ❖ Altmetrics means Article-Level-Metrics
- ❖ Altmetrics is the creation and study of new metrics based on the Social Web for analyzing, and informing.
- ❖ Altmetrics are metrics and qualitative data that are complementary to traditional, citation-based metrics.



Importance of Altmetric Tools



Publishers

- Identifying your most popular content
- Report back to key stakeholders
- Attract new submissions

Institutions

- Attracting Additional funding
- Recruitment & Review
- Effective Reputation Management
- Benchmarking

Researchers

- Identifying the most effective journals
- Seek out collaborators
- Showcase influence
- Monitor and Track early engagement

Funders

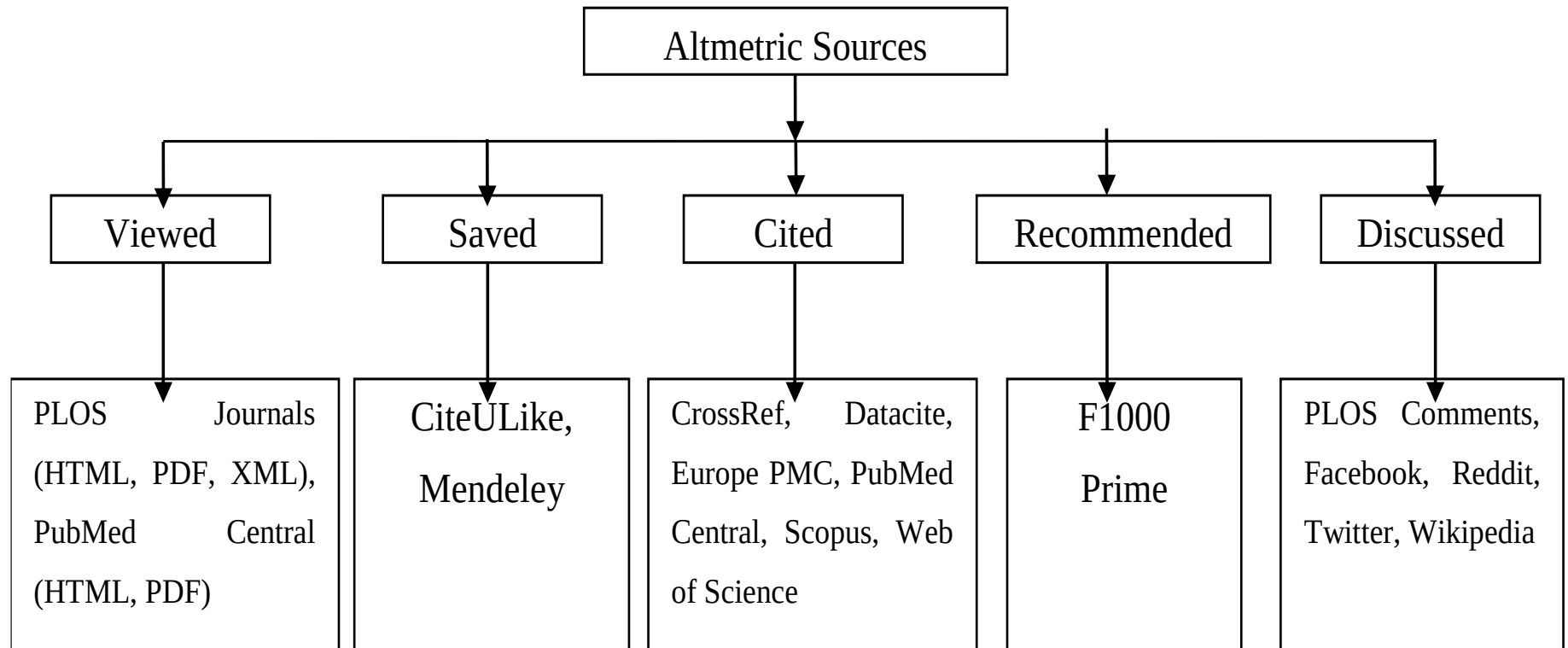
- Monitor dissemination in real time
- Identifying indicators or broader impacts
- More than just articles
- Refine Outreach strategies

Research & Development

- Analyze the reach of your research
- Understand your audience
- Make- Data driven decisions



Altmetric Tool how is works





Altmetric Tools



- ❖ Impact Story
- ❖ Reader Meter
- ❖ PLOS Impact Explorer
- ❖ Plum Analytics



Impact Story

(<https://impactstory.org/>)



- ❖ Impact story is an open-source website that helps researchers explore and share the online impact of their research.
- ❖ The Impact Story log in using only twitter and ORCID account.
- ❖ Impact Story helps in creating author's profile and adding publication list through importing bibliographic records from different sources such as Scopus database, ORCID.org, GS citations, SlideShare.net and many others.
- ❖ The Impact story supported by the National Science Foundation and Alfred P. Sloan Foundation.



Features



- ❖ **For Open Scientists-** The researcher has published in **one place** like PLOS, GitHub, ArXiv, PeerJ and Figshare.
- ❖ **Demonstrate Your Impact-** Discover and share how your research is **read, cited, tweeted, bookmarked, an more.** And stay up to date with **weekly email updates on new impacts.**
- ❖ **Reach More Readers-** Help Colleagues find and your preprints, articles, slides and other work by uploading research products straight your profile.
- ❖ **Your Latest Work-** The Impact story profile stay up-to-date automatically for more kind of products. If you can also add new products with a simple email.



Reader Meter

(<http://www.readermeter.org/>)



- ❖ Reader Meter is a **web-based service** that compiles readership information about scientific content to create an estimate of the content's community impact.
- ❖ The Reader Meter provide **Dario Taraborelli**.
- ❖ Reader Meter Alpha was launched in **September 2010**. Using **readership-based metrics** we can estimate impact on the basis of the consumption of scientific content by a population of readers.

Cont...



- ❖ Reader Meter adapts two popular impact metrics for authors (the H-Index and the G-Index) and redefines those using bookmarks instead of citations as an HR-Index and a GR-Index respectively: hover over the index values for an explanation of their meaning.
- ❖ Analyzing readership data can help discover areas of real-time impact that may not be visible to traditional citation-based measurements.
- ❖ Readership data is made available via the Mendeley API.



PLOS Impact Explorer

(<https://plos.org/article-level-metrics>)



- ❖ The mashers up Alt-metrics data from Altmetric with articles from the **Public Library of Science (PLOS)**.
- ❖ ALMs are quantifiable measures that document the many ways in which both scientists and the general public engage with published research.

Features

- ❖ Connect with **Collaborators**
- ❖ Communicate Your Impact
- ❖ Raise Your **Career Profile**
- ❖ Identify the **funding agencies**



Plum Analytics

(<http://plumanalytics.com/>)



- ❖ In early 2012, Plum Analytics was founded with the vision of bringing modern ways of measuring research impact to individuals and organizations that use and analyze research.
- ❖ In 2014, Plum Analytics became a part of EBSCO Information Services.
- ❖ Plum X is a subscription-based product. It categorizes metrics into five separate types: Usage, captures, mentions, social media, and citations.



Features



- ❖ Track all of your research in one place.
- ❖ Understand the strengths of your researchers.
- ❖ Answer questions fast.
- ❖ Researchers deserve credit for all of their output.
- ❖ Easy ways to navigate through the data
- ❖ Make reporting easy.
- ❖ Easily embed anywhere.
- ❖ Same article – different places. Measure them all.



Comparative Study of Altmetric Tools



Sl. No		Impact story	Reader Meter	PLOS Impact Explorer	Plum Analytics
1	Target group	Researchers, publishers, funders	Researchers, publishers, funders	Researchers, publishers, funders	Researchers, publishers.
2	Founded on	2013	2010	2014	2012
3	Mission	Discover the full impact of your research	Research impact, crowdsourced	Comprehensive Assessment of Impact with Article-Level Metrics	To figure out more accurate ways of assessing research by analyzing the five categories of metrics Usage, Captures Mentions, Social media, Citations



Altmetric Using Sites



Altmetrics implemented sites		Altmetrics Implemented Universities	Journals incorporated Altmetrics
Springer, Elsevier, Sage Wiley Online Cambridge Journals Scopus	Nature Publishing Group Michigan Publishing BioMed Central Taylor and Francis Kudos Mendeley ResearchGate	Lilliput University University of Cambridge University of South Australia University of Manchester University of Pittsburg University of Warwick Duke University	AHA/ASA Journals Microbiology Society' Research Online New England Journal of Medicine. PLOS



id=10.1371/journal.pone.0020155

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RESEARCH ARTICLE

Climate Change Affects Winter Chill for Temperate Fruit and Nut Trees

Eike Luedeling, Evan H. Girvetz, Mikhail A. Semenov, Patrick H. Brown

Published: May 24, 2011 • <http://dx.doi.org/10.1371/journal.pone.0020155>

Article	Authors	Metrics	Comments	Related Content

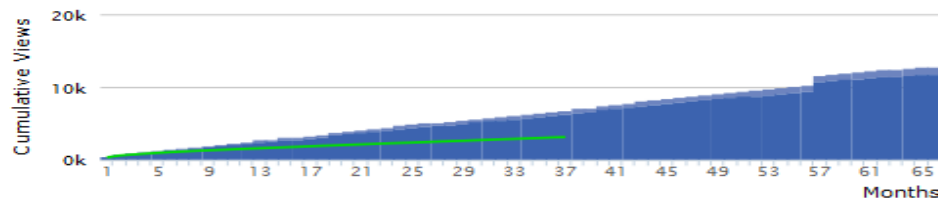
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May 24, 2011 (publication date) through Oct 01, 2016 *				
	PLOS	1,245	50	11,764
	PMC	191	n.a.	1,039
	Totals	1,436	50	12,803
12.69 % of article views led to PDF downloads				



Compare average usage for articles published in 2011 in the subject area:

Biology and life sciences | [Show reference set](#)

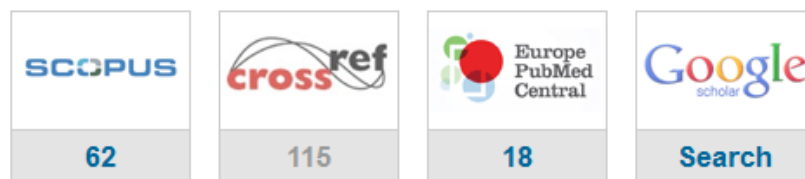
*Although we update our data on a daily basis, there may be a 48-hour delay before the most recent numbers are available. PMC data is posted on a monthly basis and will be made available once received.

Subject Areas ?

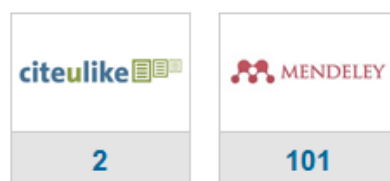
Winter	
Climate change	
Weather stations	
Fruits	
Greenhouse gases	
Climate modeling	
California	
Spring	

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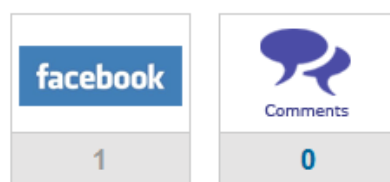
Cited ?



Saved ?



Discussed ?



[Information on PLOS Article-Level Metrics](#)

Questions or concerns about usage data? [Please let us know.](#)



Monthly wise Access Article



Climate Change Affects Winter Chill for Temperate Fruit and Nut Trees

Eike Luedeling , Evan H. Girvetz, Mikhail A. Semenov, Patrick H. Brown

Published: May 24, 2011 • <http://dx.doi.org/10.1371/journal.pone.0020155>

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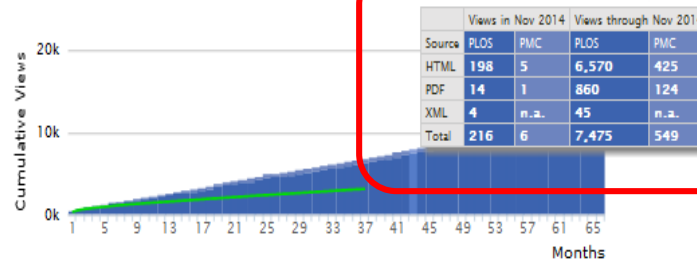
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Total Article Views	HTML Page Views	PDF Downloads	XML Downloads	Totals
12,920	PLOS 10,566	1,265	50	11,881
May 24, 2011 (publication date) through Oct 20, 2016 *	PMC 848	191	n.a.	1,039
	Totals 11,414	1,456	50	12,920
12.76 % of article views led to PDF downloads				



Subject Areas

- Winter
- Climate change
- Weather stations
- Fruits
- Greenhouse gases
- Climate modeling
- California
- Spring

ADVERTISEMENT

■ Compare average usage for articles published in 2011 in the subject area:

Biology and life sciences ▾

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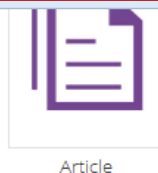
University of Manchester Library Using Altmetrics



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IOPscience (Institute of Physics)	(71,108)
JSTOR Archival Journals	(2,251)
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Data Source	
Library catalogue	(2,425)
Manchester eScholar	(478)
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Journal of Applied Physics, 21 March 2015, Vol.117(11) [Peer Reviewed Journal]



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Rodrigo, Daniel ; Limaj, Odeta ; Janner, Davide ; Etezadi, Dordaneh ; García De Abajo, F Javier ; Pruneri, Valerio ; Altug, Hatice
Science (New York, N.Y.), 10 July 2015, Vol.349(6244), pp.165-8 [Peer Reviewed Journal]



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Advantages of using Altmetrics



- ❖ They are quicker to accumulate than citation-based metrics.
- ❖ They can capture more diverse impacts than citation-based metrics
- ❖ They apply to more than journal articles and books.
- ❖ Altmetrics rely on more than just citations
- ❖ Real time metrics of scholarly impact.



Limitations



- ❖ Altmetrics don't tell the whole story
- ❖ Like any metric, there's a potential for gaming of Altmetrics
- ❖ Altmetrics are relatively new, more research into their use is needed



Conclusion



- ❖ The Altmetrics tool is a boon for every researcher, institution and publishers.
- ❖ Altmetrics is the only metrics used in article level in the social networking environment.
- ❖ Many of the web-based altmetric open source software are available.
- ❖ Hence Librarian and Research Scholars should know about the altmetrics and to identify the important research articles in respective field.



*Thank
you*

