Altmetrics

For links to resources used in this workshop go to: http://www.symbaloo.com/mix/ullibraryresearch
Presentation Target Objectives

At the end of this presentation, you will:

• Understand what altmetrics are;

• Be able to find altmetrics for articles.
Altmetrics

- Altmetrics or alternative metrics are measures that capture the attention a resource generates on the social web or other sources.
- They can be applied to journal articles, books/book chapters, software, datasets, websites, videos, etc.
- Altmetrics attempt to show influence and engagement of work through blogs, reference management systems, scholarly social networks, & other platforms.
- Altmetrics aim is to provide a more comprehensive picture of scholarly activity & of the use & impact of a researcher's work.
Altmetrics

Who’s talking about your Research???

downloads, shares, tweets, likes, views, bookmarks, comments, reviews, wikipedia articles, blog posts, news stories, saves, +1s, google scholar citations, favourites, clicks, stars, mentions ...
Potential of Altmetrics in:

• Providing real-time indicators of impact
• Capturing ‘practitioner’ impact of those who may never publish
• Showing evidence of industry & public engagement
• Being an indicator for future citations?
Each day, scholarly articles receive ~44,000 new mentions across social media, news, and blogs.

That's 1 mention every 2 seconds!

Each week, ~50k unique articles are shared.

Mentions range in complexity, from quick shares to comprehensive reviews.

Article-level metrics are worth paying attention to.

Altmetric data, March 2015
Tools/Places to Find Altmetrics

- ImpactStory
- Plum Analytics (http://www.plumanalytics.com/)
- Altmetric.com / Altmetric Explorer for Institutions
- Individual journals & publishers e.g. IEEE, Nature
- PLoS Article-Level Metrics
- Scopus
Impactstory (http://impactstory.org/) tracks impact from across the Web. Create a profile with your ORCID credentials in a minute.

Fintan Bracken
University of Limerick Research Services & Bibliometrics Librarian

ACHIEVEMENTS

Open Access
100% of your research is free to read online. This level of availability puts you in the top 6% of researchers.

Greatest Hit
Your top publication has been saved and shared 62 times.

Global Reach
Your research has been saved and shared in 11 countries.

ACTIVITY

100 Saves and shares across 2 channels:

89
11

PUBLICATIONS

Effects of set-aside management on birds breeding in lowland Ireland
2006 Agriculture Ecosystems & Environment
62

The potential use of online tools for scientific collaboration by biology researchers
2014 Aslib Journal of Information Management
16

Breeding bird populations of Irish peatlands
2008 Bird Study
15

https://impactstory.org/u/0000-0002-1228-5109
Human Mobility Enhances Global Positioning Accuracy for Mobile Phone Localization

Wu, C., Chenshu Wu is with the School of Software and TNList, Tsinghua University. Yu Xu is with the Wenzhou University (email wu@greenorbs.com); Yang, Z.; Xu, Y.; Zhao, Y.
more authors

Abstract

Authors

References

Cited By

Keywords

Usage*

2014

Jan 5

Feb 10

Mar 16

Apr 10

May 10

Jun

Jul 21

Aug

Sep

Oct

Nov

Dec

Total usage since Feb. 2014

72

Best Month: July

Year Total: 72

* Data is updated on a monthly basis. Usage includes PDF downloads and HTML Views.

Citations

No related citations found.
The Inorganic Carbon Chemistry in Coastal and Shelf Waters Around Ireland

Triona McGrath, Evin McGovern, Rachel R. Cave, Caroline Kivimäe

Abstract

The wintertime spatial distribution of carbonate parameters in outer estuarine and coastal waters around Ireland is described from total alkalinity (TA) and dissolved inorganic carbon (DIC) data collected between 2010 and 2013. Due to predominantly limestone bedrock of their hinterlands, estuaries close to Donegal, Killybegs and Inishowen are characterized by high TA and DIC concentrations nearshore. Results show that TA and DIC concentrations are highest in the estuarine systems of Donegal and Inishowen. High TA values in the waters of the Donegal estuaries are attributed to weathering of dolomitic rocks and the DIC concentrations are associated with the input of freshwater runoff from large catchments. The Inishowen system displays a large DIC maximum at the site of the freshwater inflow. This high DIC concentration is attributed to the input of freshwater from large catchments and the addition of DIC from atmospheric precipitation. Low concentrations of DIC are found in the remaining estuarine and coastal systems. The spatial variation in TA and DIC is attributed to the interaction between marine DIC and TA and the riverine input of DIC and TA.
PLoS Article-Level Metrics [link]

ALM: Measuring the Impact of Research
ALM Reports allow you to view article-level metrics for any set of PLOS articles as well as summarize and visualize the data results.
About | Samples | Send Us Feedback

Select Articles

Search all Articles
Keyword
Search
Clear All

Browse the 'Best in Class' articles from PLOS

Top Views | Top Bookmarked | Top Tweets | Top Cited | Top Shares

Within the ALM Reports tool, you can select articles, preview the list, and view the report.

Metrics Data

1. Long Noncoding RNA MALAT1 Controls Cell Cycle Progression by Regulating the Expression of Oncogenic Transcription Factor B-MYB

Download metrics data or start over.

Viewed

- PLOS views: 9,286
- PLOS PDF downloads: 1,809
- PLOS XML downloads: 34
- PMC views: 1,568
- PMC PDF Downloads: 1,565
- Total usage: 14,263

Saved

- CiteULike: 1
- Mendeley: 52
- Figshare: 10

Discussed

- Twitter: 1

Cited

- PubMed Central: 17
- CrossRef: 44
- Scopus: 41
- PMC Europe Citations: 34
- PMC Europe Database Citations: 2
- Web of Science: 34

Print

Visualizations

Article Usage and Citations as a function of Age

Print

Visualizations

Share

Total usage includes page views and downloads from PLOS and PMC. Bubble size correlates with Scopus citations and bubble color with the PLOS journal.

Source: 100 published articles from January 02, 2013 to September 10, 2013
Altmetric.com tracks the following sources:

**News outlets**
- Over 1,300 sites
- Manually curated list
- Text mining
- Global coverage
  - Irish Daily Star
  - Irish Examiner
  - Irish Independent
  - Irish Times
  - TheJournal.ie

**Social media and blogs**
- Twitter, Facebook, Google+, Sina Weibo
- Public posts only
- Manually curated list

**Post-publication peer review**
- Publons
- PubPeer

**Reference managers**
- Mendeley, CiteULike
- Reader counts
- *Don’t count towards the Altmetric score*

**Other sources**
- Wikipedia
- YouTube
- Reddit
- F1000
- Pinterest
- Q&A

**Policy documents**
- NICE Evidence
- Intergovernmental Panel on Climate Change
- European Food Safety Authority
  - WHO
  - Many more
Altmetric.com bookmarklet
- works for any paper with a DOI [http://altmetric.it](http://altmetric.it)
Altmetric.com bookmarklet
- works for any paper with a DOI http://altmetric.it
How can Researchers use Altmetric Explorer

- Track attention to your research immediately
- Uncover (unknown) conversations about your research
- Use in grant applications & funder reporting
Uncover conversations about your research


Overview of attention for article published in The Lancet (British Edition), May 2014

SUMMARY

- News
- Blogs
- Policy documents
- Twitter
- Weibo
- Facebook
- Wikipedia
- Google+

1496

- So far, Altmetric has seen 108 news stories from 68 outlets.

Showing Items 1–100

- Scroll.in
  - This map shows you're more likely to find obese people in Pakistan or Afghanistan than India
  - Scroll India, 23 Apr 2015
  - And yet, India is the third-most obese country on earth, the first two being US and China.

- BBC News
  - 'One-size-fits-all' on obesity opposed
  - BBC News, 17 Apr 2015
  - Doctors need to move beyond 'one-size-fits-all' approach to tackling obesity, say scientists in Sheffield.

- Huffington Post
  - An American Plate That Is Palatable for Human and Planetary Health
  - Huffington Post, 26 Mar 2015
  - What we eat determines our health. It also decides the health of our planet. In the newly proposed Dietary Guidelines, the US...

- Popular Science
  - Cook Rice Differently To Reduce Its Calories
  - Popular Science, 25 Mar 2015
  - Rice, the base for cuisines all over the world, contains a lot of starch. That makes it delicious but also high in calories.

- BBC News
  - Could fining parents cut childhood obesity?
  - BBC News, 13 Feb 2015
  - Should parents of obese children be punished?

- EL PAÍS
  - Así se comporta el cerebro durante un atraco
  - EL PAÍS, 04 Feb 2015
  - Investigadores afinan la descripción de la ruta que empuja a comer pese a estar saciado. Han bloqueado en ratones la ingesta...

- Diabetes Online
  - Unverändert hoher Handlungsbedarf
  - Diabetes Online, 02 Feb 2015

- Spectrum
  - Obesity-Fighting Implant
  - IEEE Spectrum, 19 Jan 2015

Find news coverage
Cochrane Library paper investigated the use of probiotics to treat eczema. It found: There is not enough evidence to recommend using probiotics for the treatment of eczema.

The paper has a relatively low score of attention but received mentions across multiple policy documents and is cited in Wikipedia:

- Policy: NICE Evidence Research
- Policy: European Food Safety Authority
- Wikipedia: Dermatitis main page
Discover popular new content to read

Shermaine Waugh @ok_shermaine

Neat study found via @altmetric on the use of personas in academic libraries. Go user research! crl.acrl.org/cgi/content/lo... #citylis

4:47 AM - 10 Nov 2014

Use in grant applications and funder reporting
Track online conversations in your discipline

Keyword search for **neurotechnology** and digging deeper to the conversations

**Activity**

**News**
Altmetric.com tracks social media mentions & other online mentions of ULIR publications.
Engagement with Social Media differs by Discipline

Researchers from **Biomedical & Health Sciences** and **Social Sciences & Humanities** use social media the most to disseminate their research (Costas et al. 2014)

<table>
<thead>
<tr>
<th>Fields</th>
<th>p</th>
<th>tcs</th>
<th>mcs</th>
<th>Facebook</th>
<th>Blogs</th>
<th>Twitter</th>
<th>Google+</th>
<th>News</th>
<th>Total Altmetrics</th>
<th>Alt/pubs</th>
<th>Pubs. With Alt</th>
<th>% pubs with alt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biomedical and health sciences</td>
<td>217115</td>
<td>451111</td>
<td>2.1</td>
<td>15821</td>
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<td>4632</td>
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<td>57167</td>
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<td>12989</td>
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<tr>
<td>Natural sciences and engineering</td>
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<td>1.5</td>
<td>2428</td>
<td>3993</td>
<td>37116</td>
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<td>46454</td>
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<td>15456</td>
<td>8.98%</td>
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<tr>
<td>Social sciences and humanities</td>
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<td>252799</td>
<td>0.51</td>
<td>75569</td>
<td>15.11%</td>
</tr>
</tbody>
</table>

http://dx.doi.org/10.1002/asi.23309
What you can do?

- Ensure that the details of all of your publications are added to ULRIS especially the DOI for each reference
- If your publication hasn’t got a DOI add it to the UL Institutional Repository (ULIR) as each item is also tracked by Altmetric
- Communicate & promote your research online: Twitter, blogs, etc
- When talking online about your publications include the DOI instead of the normal publisher’s URL to ensure it is tracked by Altmetric
- Add [http://dx.doi.org/](http://dx.doi.org/) in front of the DOI to convert it to a clickable URL e.g. [http://dx.doi.org/10.1038/nature14307](http://dx.doi.org/10.1038/nature14307)
Alternative metrics or altmetrics "is the creation and study of new metrics based on the Social Web for analyzing and informing scholarship." Altmetrics include article downloads and views, bookmarks, saves, favourites, readers, blog posts, tweets, Wikipedia articles, news stories, likes, shares and ratings. Altmetrics provide impact of just-published work and includes all types of scholarly output.

Altmetrics is a new and emerging field and may have potential in:
- Providing real-time indicators of impact
- Capturing 'practitioner' impact of those who may never publish
- Showing evidence of industry and public engagement
- Being an indicator for future citations.

Altmetric.com is a service that allows you to see how much attention any article with a DOI (digital object identifier) has received online by using a bookmarklet tool. They also have another subscription product called Altmetric for Institutions that the University of Limerick has access to.

Impactstory is a web-based tool that helps researchers explore and share the diverse impacts of all their research products including journal articles, blog posts, datasets and software. Impactstory aggregates impact data from many sources including Mendeley, Twitter, Scopus and PubMed. The output is displayed in a single, permalinked report which can be included as a link in CVs. ImpactStory offers a free 30 day trial but after that there is a charge for using the service.

Plum Analytics is a paid altmetrics service that tracks more than 20 different types of artifacts, including journal articles, books, videos, presentations, conference proceedings, datasets, source code, cases, and more. Plum Analytics collect impact metrics in 5 major categories: usage, captures, mentions, social media, and citations.
Acknowledgements

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