Bringing Altmetrics to Institutions
(The story so far...)

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Product Development Manager

2014 ALA Annual Conference
#alaac14
New perspectives of impact

ACADEMIC IMPACT

- Journal Impact Factor
- Citation counts

Traditional metrics

SOCIETAL IMPACT

- Mentions in news reports
- Mentions in policy documents
- Mentions in social media
- Mentions in blogs
  ... etc.

Alternative metrics “altmetrics”

We want to consider and report on both academic and societal research impact.
Collecting attention at the article level

- **35K** online mentions of scholarly articles every day.
- **1 mention every 2.5 seconds**!
- **137K** unique articles are shared each week.
- **>2M** articles with tracked attention data.

Source: Altmetric internal data, 2014
What does Altmetric track?

We pull in attention from a broad range of sources:

- Mainstream news
- Blogs
- Social media: e.g., Twitter, FB, G+, Weibo, etc.
- Reference managers: e.g., Mendeley
- Peer review sites: PubPeer and Publons
- Policy documents

(Other altmetrics providers may track other sources, or the same sources in different ways)
New: Mentions in policy documents

World Health Organization (WHO)

“WHO policy on collaborative TB/HIV activities: guidelines for national programmes and other stakeholders”

Intergovernmental Panel on Climate Change (IPCC)

“Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation”

National Institute for Health and Care Excellence (NICE)

“Delivering Accident Prevention at local level in the new public health system: Road safety policy and links to wider objectives”
Altmetric details pages

Every article that is mentioned online gets its own Altmetric “details page”.

The details page shows article-level metrics (raw counts), a score of attention, and the mentions (links to actual content).
Altmetric details pages

1. See all the conversations and mentions.
2. See the mentions, e.g., in the mainstream news.
3. Estimate attention with the “Altmetric score”.

See article-level metrics and a score of attention below.

The biological impacts of the Fukushima nuclear accident on the pale grass blue butterfly

Score in context

Puts article in the top 5% of all articles ranked by attention
show more...

Mentioned by

- 1859 tweeters
- 122 Facebook users
- 1 LinkedIn posts
- 10 news outlets
- 3 Pinners
- 4 science blogs
- 9 Google+ users
- 8 Reddit threads

1. DER SPIEGEL

Atomkatastrophe: Forscher entdecken Fukushima-Mutationen
Der Spiegel
Die Augen deformiert, die Figel geschrumpft: Der Atomunfall von Fukushima hat offenbar das Erbgut von Tieren geschädigt. Forscher..

2012-08-14T13:58:00+01:00

2. CORRIERE DELLA SERA

Dopo Fukushima, le farfalle non hanno più le ali
Corriere della Sera
I risultati dello studio di un’equipe giapponese sulle Zizeeria: anomalie genetiche e fisiologiche dopo le radiazioni..

2012-08-16T11:48:00+01:00

3. BBC NEWS

Fukushima butterflies ‘abnormal’
BBC
Exposure to radioactive material released into the environment has caused mutations in butterflies found in Japan, a study sugge..

2012-08-13T16:17:00+01:00
Altmetric score and donut

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<tr>
<th>Volume</th>
<th>Sources</th>
<th>Authors</th>
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<tr>
<td>The score for an article rises as more people mention it.</td>
<td>Each category of mention contributes a different base amount to the final score.</td>
<td>How often the author of each mention talks about scholarly articles influences the contribution of the mention.</td>
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Remember that Altmetric scores...

- Don’t represent the quality of research.
- Don’t indicate the quality of individual researchers.
- Don’t tell the whole story – the qualitative data is extremely important to assess.
Publishers were some of the earliest adopters of altmetrics.
Altmetric badges

From 2012 and onwards, publishers began to use embeddable Altmetric badges on their journal pages as a service to their authors.

Examples:

★ Cell Press
★ Royal Society of Chemistry
★ nature.com

Cancer Cell

Depletion of Carcinoma-Associate Induces Immunosuppression and with Reduced Survival

DOI: 10.1016/j.ccr.2014.04.005
Altmetric badges

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Examples:
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- Royal Society of Chemistry
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First reactions from authors

- 65% felt the metrics were useful
- 77% agreed or strongly agreed that altmetrics enhanced the value of the journal article
- 50% agreed they were more likely to submit a paper to a journal that supports altmetrics

Source: Web poll from Wiley’s alternative metrics pilot, 2014
http://exchanges.wiley.com/blog/2014/03/19/wiley-introduces-altmetrics-to-its-open-access-journals/
Institutional users also started paying attention to altmetrics.
Early examples of altmetrics usage in institutions

Altmetric sidebar app in Scopus

3rd-party plugin for ExLibris Primo
Early examples of altmetrics usage in institutions
Altmetrics for institutional repositories

In 2013, we started providing free embeddable badge support to IRs. To date, more than 50 repositories worldwide have integrated Altmetric badges.
Direct measurement of a 27-dimensional orbital-angular-momentum state vector


Full text not currently available from Enlighten.

Publisher's URL: http://dx.doi.org/10.1038/ncomms4115

Abstract

The measurement of a quantum state poses a unique challenge for experimentalists. Recently, the technique of 'direct measurement' was proposed for characterizing a quantum state in situ through sequential weak and strong measurements. While this method has been used for measuring polarization states, its real potential lies in the measurement of states with a large dimensionality. Here we show the practical direct measurement of a 27-dimensional state vector in the discrete basis of orbital angular momentum. Through weak measurements of orbital angular momentum and strong measurements of angular position, we measure the complex probability amplitudes of a pure state with a dimensionality, d=27. Further, we use our method to directly observe the relationship between rotations of a state vector and the relative phase between its orbital-angular-momentum components. Our technique has important applications in high-dimensional classical and quantum information systems and can be extended to characterize other types of large quantum states.

University Staff: Request a correction | Enlighten Editors: Update this record
Implementation with existing systems has been easy.

There’s now a free 3rd-party plugin that displays badges in EPrints repositories, and the next version of EPrints will enable this plugin by default.
What are the institutional use cases?

Librarians
★ I want to help researchers track the attention paid to their articles.
★ I want to add value to my institutional repository.

Research administrators
★ I want to monitor and report on uptake, usage, and impact of publications by department.
★ I want to comply with funder and governmental mandates.

Communications / PR team
★ I want to share our institution’s success stories.
★ I want to maximise the reach of our institution’s research.

Researchers
★ I want to find indicators of impact for my CV and funding applications.
★ I want to make informed decisions on future publishing choices.
We had given librarians free access to our flagship app, Altmetric Explorer. To date, we’ve provided over 1000 free accounts to academic librarians.
We received positive initial feedback, but kept hearing one thing...

“Please let me see data on papers from a person or department!”
The solution: A new altmetrics app for institutions

- Approached institutions for initial ideas
- Collated feedback
- Enlisted development partners
- Built a working prototype
Altmetric for Institutions (version 1)

Track, monitor, and report on the broader impact of your research output.

Key features:
- Summary reporting
- Author identification
- Department & subject browsing
- Custom group editing
- Export via Excel, PDF, or API
- Site license access

Free trial available
Browsing by author

Browsing by department

Lilliput University

All mentioned articles by BLACKBURN, Elizabeth H

Pick new articles:

Summary report  Articles  Activity  Journals

You’ve chosen to see articles by BLACKBURN, Elizabeth H.

Look at all articles instead

» Mentioned in the past
» With keyword
» In these journals
» With identifiers
» From publisher
» With handle prefix
» With Medline subjects
» With altmetric

Accelerated telomere shortening in response to life stress
Proceedings of the National Academy of Sciences of the United States of America
Abstract [...] [182]
BLACKBURN, Elizabeth H
Multidisciplinary

Intensive meditation training, immune cell telomerase activity, and psychological mediators.
Psychoneuroendocrinology
Abstract [...] [58]
BLACKBURN, Elizabeth H

Lilliput University

46 authors  6,791 items  525 mentioned

Authors  Departments  Journal subjects  Custom groups

Type to filter  A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ALL

All departments

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Thanks for listening!

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@altmetric