

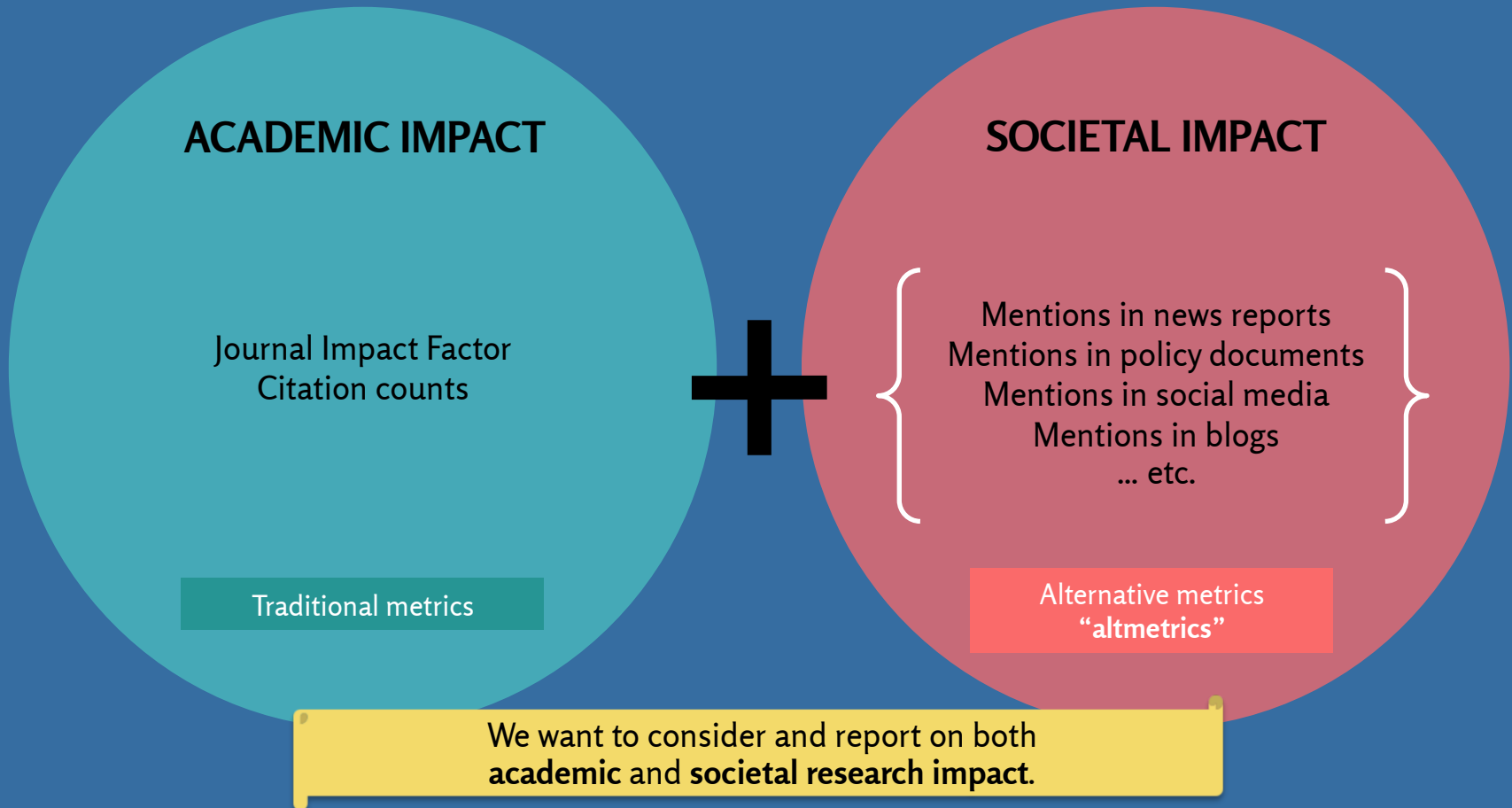
Bringing Altmetrics to Institutions (The story so far...)

Jean Liu, MSc
Product Development Manager

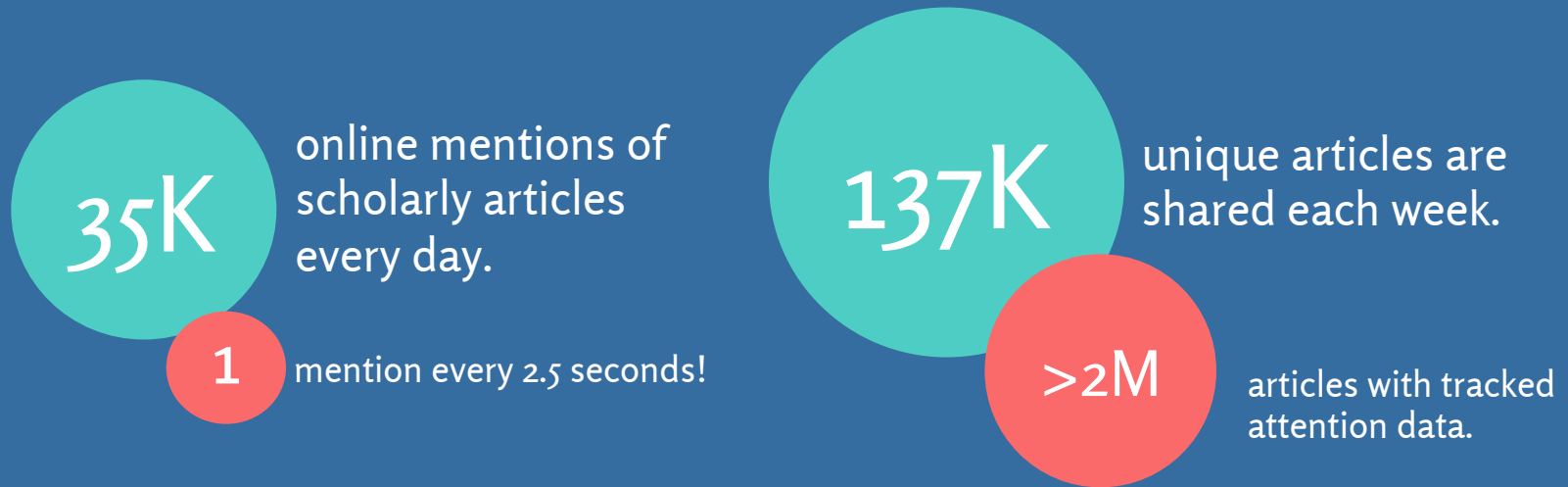
2014 ALA Annual Conference
#alaac14



New perspectives of impact



Collecting attention at the article level



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

Science
communicator-
driven

Researcher- or
institution-
driven

(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”



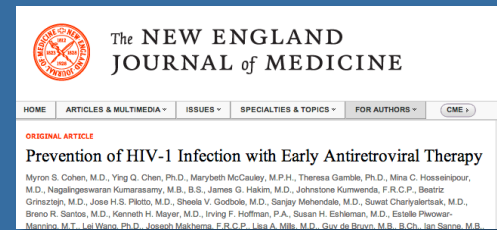
Intergovernmental Panel on Climate Change (IPCC)

“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.



Altmetric score and donut

Volume

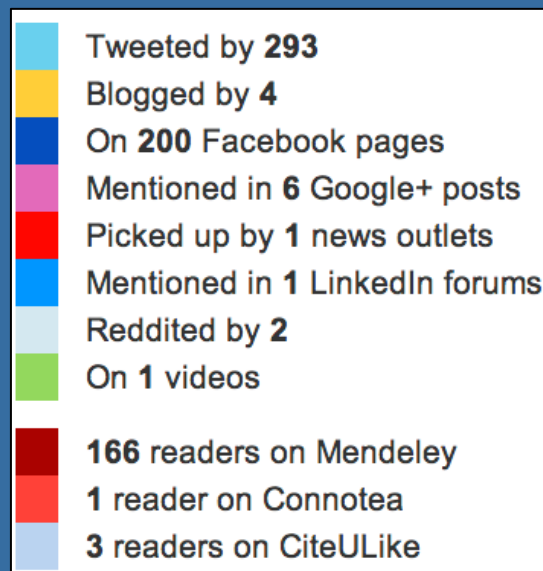
The score for an article rises as more people mention it.

Sources

Each category of mention contributes a different base amount to the final score.

Authors

How often the author of each mention talks about scholarly articles influences the contribution of the mention.



Remember that Altmetric scores...

- X** Don't represent the quality of research.
- X** Don't indicate the quality of individual researchers.
- X** 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

Home Online Now Current Issue Archive Journal Infor

< Previous Article Volume

Article

Depletion of Carcinoma-Associate Induces Immunosuppression and with Reduced Survival

Berna C. Ozdemir, Tsvetelina Pentcheva-Hoang, Julienne L. Carstens, Xiaofeng Christoph Kahlert, Sergey V. Novitskiy, Ana De Jesus-Acosta, Padmanee Sharr Valerie M. Weaver, Anirban Maitra, James P. Allison, Valerie S. LeBleu, Raghu K

DOI: <http://dx.doi.org/10.1016/j.ccr.2014.04.005>

Altmetric 47

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

The screenshot shows a journal article page from Energy & Environmental Science. The article title is "Worldwide health effects of the Fukushima Daiichi nuclear accident" by John E. Ten Hoeve and Mark Z. Jacobson. The Altmetric badge is located in the bottom left corner of the article content area. It features a circular graphic with the number 142 in the center. To the right of the number, there is a legend with colored squares and corresponding text: a red square for "Picked up by 4 news outlets", a blue square for "Blogged by 4", a green square for "Tweeted by 116", a yellow square for "On 2 Facebook pages", a purple square for "36 readers on Mendeley", and a light blue square for "1 reader on CiteULike". Below the legend is a link that says "See more details".

Category	Count
Picked up by news outlets	4
Blogged by	4
Tweeted by	116
On Facebook pages	2
Readers on Mendeley	36
Reader on CiteULike	1

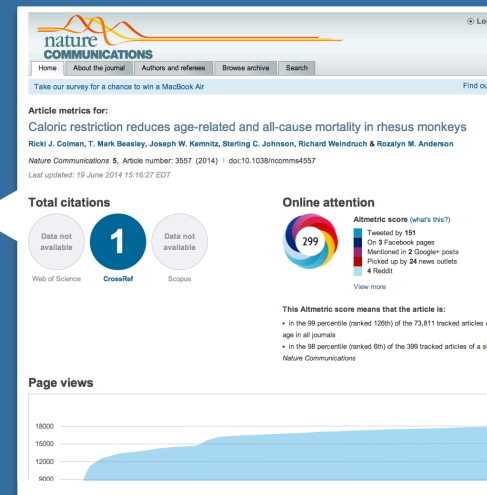
Altmetric badges



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Examples:

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



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

The screenshot displays the 'Elements' web interface for a user's publications. The main heading is 'My Publications'. A navigation sidebar on the left includes links for Profile, Elements, Publications, Grants, Professional Activities, Teaching Activities, Projects, Organisational Structures, and Equipment. The main content area shows a list of publications, with the first one selected: 'Ultra-Luminous Supernovae as a New Probe of the Interstellar Medium in Distant Galaxies'. This publication is a journal article from 2012, with a reporting date of 18 Jun 2012. Below the article title, there are several altmetrics widgets: 'Journal Rankings' (a table with ISSN, SNIP, SJR, ERA2010, and Impact Factor), 'Citations' (Scopus: 11, WoS: 9, Europe PMC: 7), and 'Altmetrics' (a circular chart showing 16 total altmetrics). The interface also includes options for sorting, results per page, and various action buttons like 'Select all', 'Reject', 'Export', and 'Compact view'.

Elements

Profile & CV Elements REF2014 HERDC Reporting Explore

My Publications

Add a new publication

Mine (117) Pending Not mine

Sort by Reporting date (newest to oldest) Results per page 10 1-10 of 117

Select all Reject Export Compact view

Ultra-Luminous Supernovae as a New Probe of the Interstellar Medium in Distant Galaxies

Journal article

Summary LIT users (3) History (10) Data sources (6) Full text (1) Relationships (5)

Berger E, Chornock R, Lunnan R, [Coley R](#), Czekala I, Rest A, Leibler C, Soderberg AM, Roth K, Narayan G, et al.
18 Jun 2012 [Author URL](#) [Repository public URL](#)
Reporting date: 18 Jun 2012 [Edit](#)

Journal Rankings				
ISSN	SNIP	SJR	ERA2010	Impact Factor
2041-8205	1.586	-	-	3.1860
2041-8213	1.586	2.354	-	-

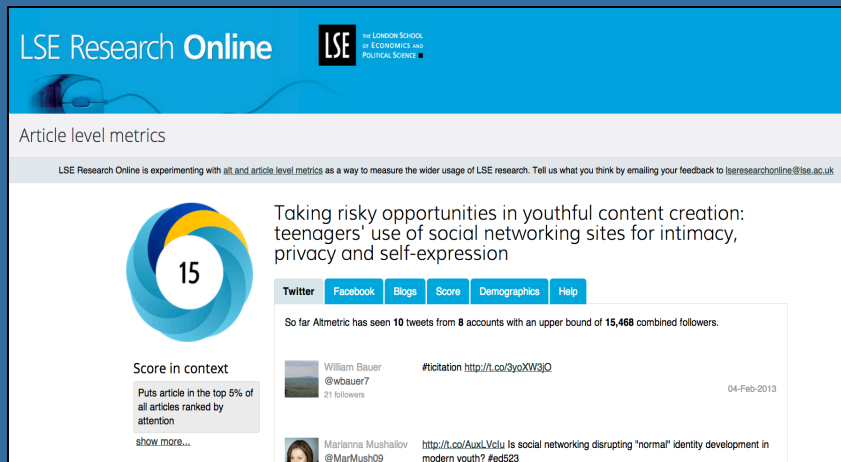
Citations		
Scopus	WoS	Europe PMC
11	9	7

Altmetrics: 16

Symplectic Elements

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.



LSE Research Online **LSE** THE LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

Article level metrics

LSE Research Online is experimenting with alt_and_article_level_metrics as a way to measure the wider usage of LSE research. Tell us what you think by emailing your feedback to lseresearchonline@lse.ac.uk

15

Taking risky opportunities in youthful content creation: teenagers' use of social networking sites for intimacy, privacy and self-expression

Twitter Facebook Blogs Score Demographics Help

So far Altmetric has seen 10 tweets from 8 accounts with an upper bound of 15,468 combined followers.

Score in context
Puts article in the top 5% of all articles ranked by attention
[show more...](#)

William Bauer @wbauer7 21 followers 04-Feb-2013 #citation <http://t.co/3yoXW3jQ>

Marianna Mushailov @MarMush09 <http://t.co/AuxLVclu> Is social networking disrupting "normal" identity development in modern youth? #ed523



Ψ INDIANA UNIVERSITY

IU ScholarWORKS repository

Article level metrics [Return to article](#)

IU Scholarworks is experimenting with altmetrics as a way to measure the wider usage of scholarly literature.

83

Twitter F1000 Blogs Score Demographics Help

So far Altmetric has seen 1 tweet.

Score in context

山本恭智 yayamamo @yayamamo 171 followers 01-May-2012 <http://t.co/oYQ8gwL0> にしばらく繋がらないが、終了したのだろうか。NatureやGenome Biologyに載せて話題を呼んだが。 <http://t.co/4BspWtRW> <http://t.co/K4tEBWz1> <http://t.co/ro5ACRlf>

Enlighten

Research publications by members of the University of Glasgow

home > services > Enlighten

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Browse Papers by

[Year](#)[Subject](#)[Journal](#)[Glasgow Author](#)[Research Funder](#)[Colleges/Schools](#)

MyEnlighten

Logged in as **Mr William Nixon**[Homepage](#)[Manage deposits](#)[Manage records](#)[Manage shelves](#)[Saved searches](#)[Review](#)[Admin](#)[REF2014](#)[Logout](#)[RSS 1.0](#)[Atom](#)[RSS 2.0](#)[Twitter](#)

Direct measurement of a 27-dimensional orbital-angular-momentum state vector

Malik, M., Mirhosseini, M., Lavery, M.P.J., Leach, J., Padgett, M.J., and Boyd, R.W. (2014) *Direct measurement of a 27-dimensional orbital-angular-momentum state vector*. Nature Communications, 5 . p. 3115. ISSN 2041-1723 (doi:10.1038/ncomms4115)

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 highdimensional 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.

Item Type:	Article
Status:	Published
Refereed:	Yes
Glasgow Author(s):	Lavery, Mr Martin and Boyd, Prof Robert and Padgett, Prof Miles and Leach, Mr Jonathan
Authors:	Malik, M., Mirhosseini, M., Lavery, M.P.J., Leach, J., Padgett, M.J., and Boyd, R.W.
College/School:	College of Science and Engineering > School of Physics and Astronomy
Journal Name:	Nature Communications
Publisher:	Nature Publishing Group
ISSN:	2041-1723

University Staff: Request a correction | Enlighten Editors: Update this record

Altmetric



Tweeted by **6**
 Blogged by **1**
 Mentioned in **2** Google+ posts
 Picked up by **12** news outlets
 On **1** Facebook pages

17 readers on Mendeley
0 readers on Connotea
0 readers on CiteULike

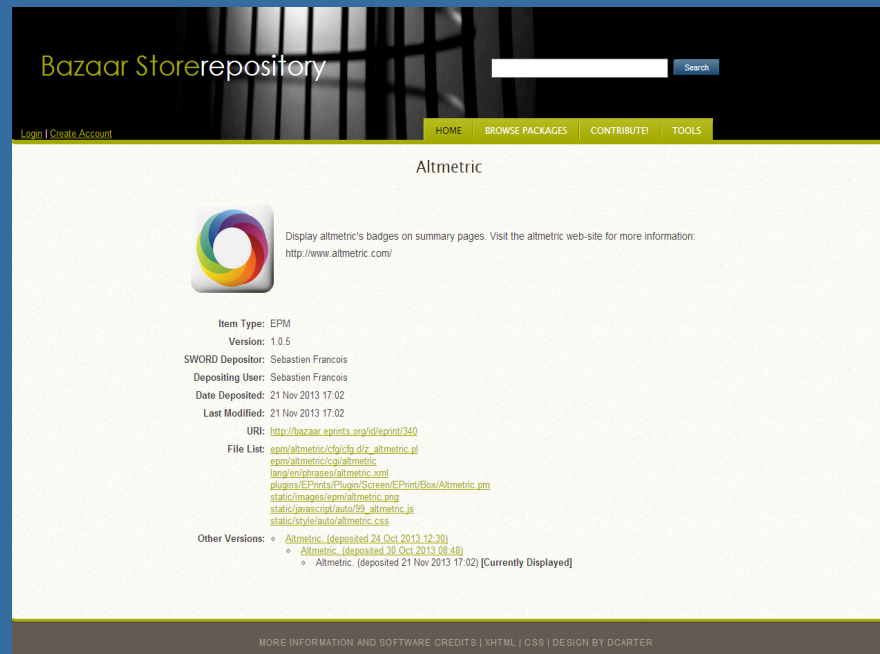
[View details on Altmetric's website](#)

Funder and Project Information

Project Code	Award No	Project Name	Principal Investigator	Funder's Name	Funder Ref	Lead Dept
54987	1	Challenges in Orbital Angular Momentum	Miles Padgett	Engineering & Physical Sciences Research Council (EPSRC)	EP/I012451/1	P&A - PHYSICS & ASTRONOMY

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.



The screenshot shows the Bazaar Store repository interface. At the top, the title "Bazaar Store repository" is displayed in a dark header. Below the title is a search bar and navigation links: "Login | Create Account", "HOME", "BROWSE PACKAGES", "CONTRIBUTE!", and "TOOLS". The main content area is titled "Altmetric" and features a colorful circular logo. Below the logo, there is a description: "Display altmetric's badges on summary pages. Visit the altmetric web-site for more information: <http://www.altmetric.com/>".

Item Type: EPM
Version: 1.0.5
SWORD Depositor: Sebastien Francois
Depositing User: Sebastien Francois
Date Deposited: 21 Nov 2013 17:02
Last Modified: 21 Nov 2013 17:02
URI: <http://bazaar.eprints.org/eprint/240>

File List:

- [asm/altmetric/dg/cfg/diz_altmetric_d](#)
- [epm/altmetric/g/altmetric](#)
- [lang/en/phrases/altmetric.xml](#)
- [plugins/EPrints/Plugin/Screen/EPrint/Box/Altmetric.pm](#)
- [static/images/som/altmetric.png](#)
- [static/javascript/auto/59_altmetric.js](#)
- [static/style/auto/altmetric.css](#)

Other Versions:

- [Altmetric_\(deposited 24 Oct 2013 12:30\)](#)
- [Altmetric_\(deposited 30 Oct 2013 08:48\)](#)
- [Altmetric_\(deposited 21 Nov 2013 17:02\) \[Currently Displayed\]](#)

At the bottom of the page, there is a footer: "MORE INFORMATION AND SOFTWARE CREDITS | XHTML | CSS | DESIGN BY DCARTER".

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.

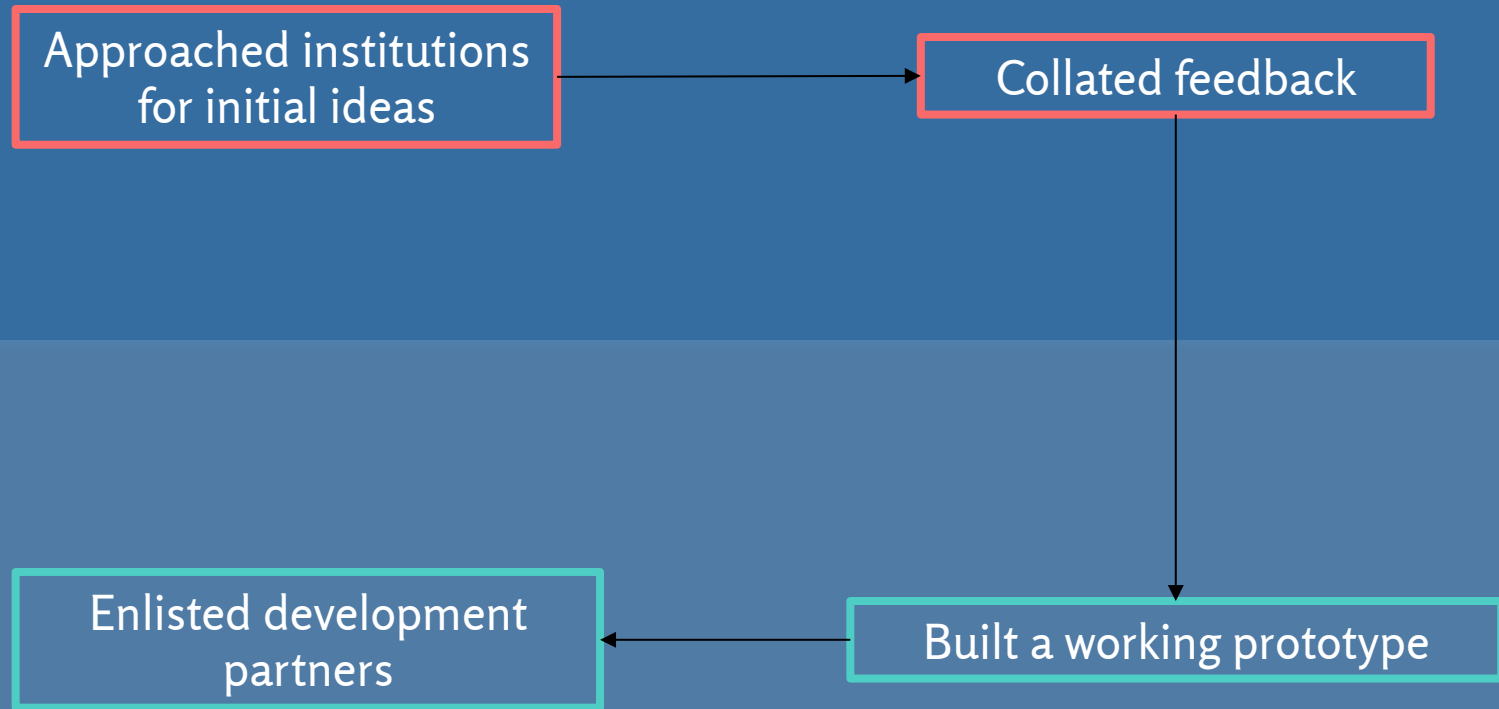
The screenshot displays the Altmetric Explorer interface. At the top, there are navigation links: "Altmetric Explorer", "Reports dashboard", "Explore the data", and "Feedback & Support". The user is logged in as "an euan". The main heading is "Articles published by BioMedCentral mentioned at least once in the past 1w". Below this, there are tabs for "Articles", "Activity", and "Journals". The interface is divided into a left sidebar and a main content area. The sidebar contains filters for "Mentioned in the past" (with radio buttons for 1 day, 3 days, 1 week, 1 month, 3 months, 6 months, 1 year, and Any time), "With identifiers", "From publisher" (set to BioMedCentral), "In Medline journal(s)", "With Medline subject", "Mentioned at any time on", and "Order by". The main content area shows a grid of 12 article cards, each with a circular Altmetric score and a brief description of the article. The articles are:

- 115: Spectrum of gluten-related disorders: consensus on new nomenclature and classification (BMC Medicine)
- 35: Does the world need a scientific society for research on how to improve healthcare? (Implementation Science)
- 75: Is there a role for carbohydrate restriction in the treatment and prevention of cancer? (Nutrition & Metabolism)
- 19: All your base are a fast and accurate probabilistic approach to base calling (Genome Biology)
- 9: Rest versus exercise as treatment for patients with low back pain and Modic changes: A randomised controlled clinical trial (BMC Medicine)
- 9: A 'Snip' in time: what is the best age to circumcise? (BMC Pediatrics)
- 9: Mindfulness based cognitive therapy improves frontal control in bipolar disorder: a pilot EEG study (BMC Psychiatry)
- 20: Yab: An online research environment for Grid, High Performance and Cloud computing (Source Code for Biology and Medicine)
- 10: Colon cancer risk and different HRT formulations: a case-control study (BMC Cancer)
- 9: Chromatin structure changes around satellite repeats on the Schistosoma mansoni female sex chromosome suggest a possible mechanism for sex chromosome emergence (Genome Biology)
- 81: The draft genome and transcriptions of *Carassius auratus* (Genome Biology)
- 23: Extremely short duration high intensity interval training substantially improves insulin action in young healthy males (BMC Endocrine Disorders)
- 10: Influence of Tertiary paleoenvironmental changes on the diversification of South (Genome Biology)
- 15: The wider determinants of inequalities in health: a decomposition analysis (BMC Public Health)
- 2: Can rights stop the wrongs? Exploring the connections between framings of sex workers (BMC Public Health)

**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



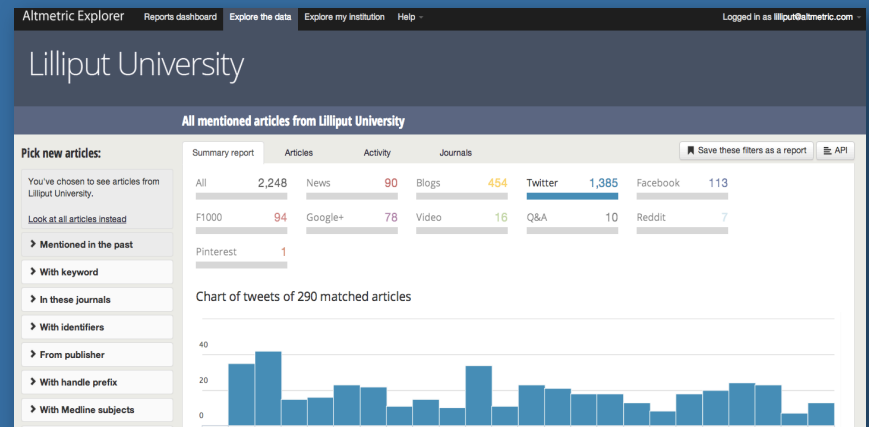
Free trial available

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

Altmetric Explorer Reports dashboard Explore the data Explore my institution Help - Logged in -

Lilliput University

All mentioned articles by BLACKBURN, Elizabeth H

Pick new articles: 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

Summary report Articles Activity Journals

Export articles Save these filters as a report API

Standard Tiled Condensed

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

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

Browsing by author



Browsing by department



Altmetric Explorer Reports dashboard Explore the data Explore my institution Help - Logged in -

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

Department	Authors	Articles	Have metrics
All departments	46	6,791	525
Department of Humanities	11	1,432	153
School of Social Sciences	11	1,432	121
Department of Life Sciences	35	5,359	433
School of Medicine & Medical Science	6	1,341	105
School of Natural Sciences	20	4,056	288

Thanks for listening!

 jean@altmetric.com

 [@altmetric](https://twitter.com/altmetric)