

Facilitating conversations around scholarly literature

Sara Rouhi

Director of Business Development, North America

sara@altmetric.com

+1 202 505 0814

@RouhiRoo

Roadmap...

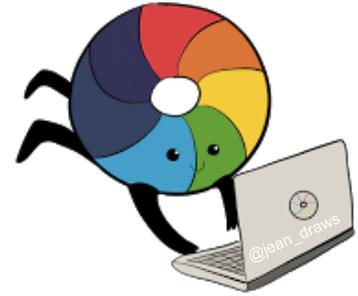
Who am I? Who are we?

What are altmetrics? Why now?

Who is using them?

How are they being used?

Shortcomings and opportunities



@RouhiRoo

Why altmetrics? Why now?

So much has changed...



Yet so much remains the same....



@RouhiRoo

The feudal system of academic rewards



Keeps 21st century information consumers and curators...

Current Issue > vol. 111 no. 46 > Karlina R. L. Janmaat, 16343-16348, doi: 10.1073/pnas.1407524111

 [click for updates](#)

Wild chimpanzees plan their breakfast time, type, and location

Karlina R. L. Janmaat^{a,1}, Leo Polansky^{a,b}, Simone Dagui Ban^{a,c}, and Christophe Boesch^a

Author Affiliations 

Edited by Charles Janson, University of Montana, Missoula, MT, and accepted by the Editorial Board October 3, 2014 (received for review April 24, 2014)

Abstract Full Text Authors & Info Figures SI Metrics Related Content PDF PDF + SI

Significance

How do large-brained primates maintain high rates of energy intake when times are lean? By analyzing early-morning departure times and sleeping nest positioning of female chimpanzees as a function of the ephemerality of next day's breakfast fruit and its location, we found evidence that wild chimpanzees flexibly plan when and where they will have breakfast after weighing multiple factors, such as the time of day, their egocentric distance to, and the type of food to be eaten. To our knowledge, our findings reveal the first clear example of a future-oriented cognitive mechanism by which hominoids, like great apes, can buffer the effect of seasonal declines in food availability and increased interspecific competition to facilitate first access to nutritious food.

Abstract

Not all tropical fruits are equally desired by rainforest foragers and some fruit trees get depleted more quickly and carry fruit for shorter periods than others. We investigated whether a ripe-fruit specialist, the chimpanzee (*Pan troglodytes verus*), arrived earlier at breakfast sites with very ephemeral and highly sought-after fruit, like figs, than sites with less ephemeral fruit that can be more predictably obtained throughout the entire day. We recorded when and where five adult female chimpanzees spent the night and acquired food for a total of 275 full days during three fruit-scarce periods in a West African tropical rainforest. We found that chimpanzees left their sleeping nests earlier (often before sunrise when the forest is still dark) when breakfasting on very ephemeral fruit, especially when the forest was further away. Moreover, the females positioned their sleeping

This Issue



November 18, 2014
vol. 111 no. 46
Masthead (PDF)
Table of Contents

PREV ARTICLE NEXT ARTICLE

Don't Miss

Customize your free PNAS alerts to receive a notification as new content becomes available.

Article Tools

- Article Alerts
- Export Citation
- Save for Later
- Request Permission

Share



Published online before print
October 27, 2014, doi:
10.1073/pnas.1407524111
PNAS November 18, 2014 vol. 111
no. 46 16343-16348

Classifications

Biological Sciences
Anthropology

ACS Publications ACS Journals ACS ChemWorx eBooks ACS Style Guide C&EN Archives

JACS

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY

Search Citation Subject Advanced Search

Enter search text / DC Anywhere Search

J. Am. Chem. Soc. All Publications/Website

Browse the Journal Articles ASAP Current Issue Submission & Review Open Access About the Journal

Article

Next Article > Articles ASAP

Keto-Enol Thermodynamics of Breslow Intermediates

Mathias Paul[†], Martin Breugst[‡], Jörg-Martin Neudörfl[†], Raghavan B. Sunoj[‡], and Albrecht Berkessel[†]

[†]Department of Chemistry (Organic Chemistry), University of Cologne, Greinstrasse 4, 50939 Cologne, Germany
[‡]Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai 400076, India

J. Am. Chem. Soc., Article ASAP
DOI: 10.1021/jacs.5b13236
Publication Date (Web): February 14, 2016
Copyright © 2016 American Chemical Society
*berkessel@uni-koeln.de

ACS ActiveView PDF
PDF w/ Links
Full Text HTML

Abstract

Supporting Info
Figures
References

Add to ACS ChemWorx

- Add to Favorites
- Download Citation
- Email a Colleague
- Order Reprints
- Rights & Permissions
- Citation Alerts

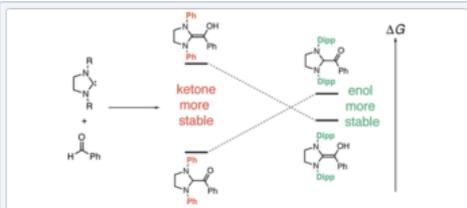
SciFinder Sign In

Explore by:
Author of this Article
Any Author
Research Topic

Paul, Mathias Search

Metrics

Received 18 December 2015
Published online 14 February 2016



Breslow intermediates, first postulated in 1958, are pivotal intermediates in carbene-catalyzed umpolung. Attempts to isolate and characterize these fleeting amino enol species first met with success in 2012 when we found that saturated bis-Dipp/Mes imidazolidinylidene readily form isolable, though reactive diamino enols with aldehydes and enals. In contrast, triazolylidenes, upon stoichiometric reaction with aldehydes, gave exclusively the keto tautomer, and no isolable enol. Herein, we present the synthesis of the "missing" keto tautomers of imidazolidinylidene-derived diamino enols, and computational thermodynamic data for 15 enol-ketone pairs derived from various carbenes/aldehydes. Electron-withdrawing substituents on the aldehyde favor enol formation, the same holds for *N,N'*-Dipp [2,6-di(2-propyl)phenyl] and *N,N'*-Mes [2,4,6-trimethylphenyl] substitution on the carbene component. The latter effect rests on stabilization of the diamino enol tautomer by Dipp substitution, and could be attributed to dispersive interaction of the 2-propyl groups with the enol

Tied to traditional systems of information dissemination

But scholarship isn't a straight line from funding to final published article...





So how do we recognize, assess, trace,
collate, and ***reward*** all the data
associated with....

“Non-traditional” research outputs...

Datasets

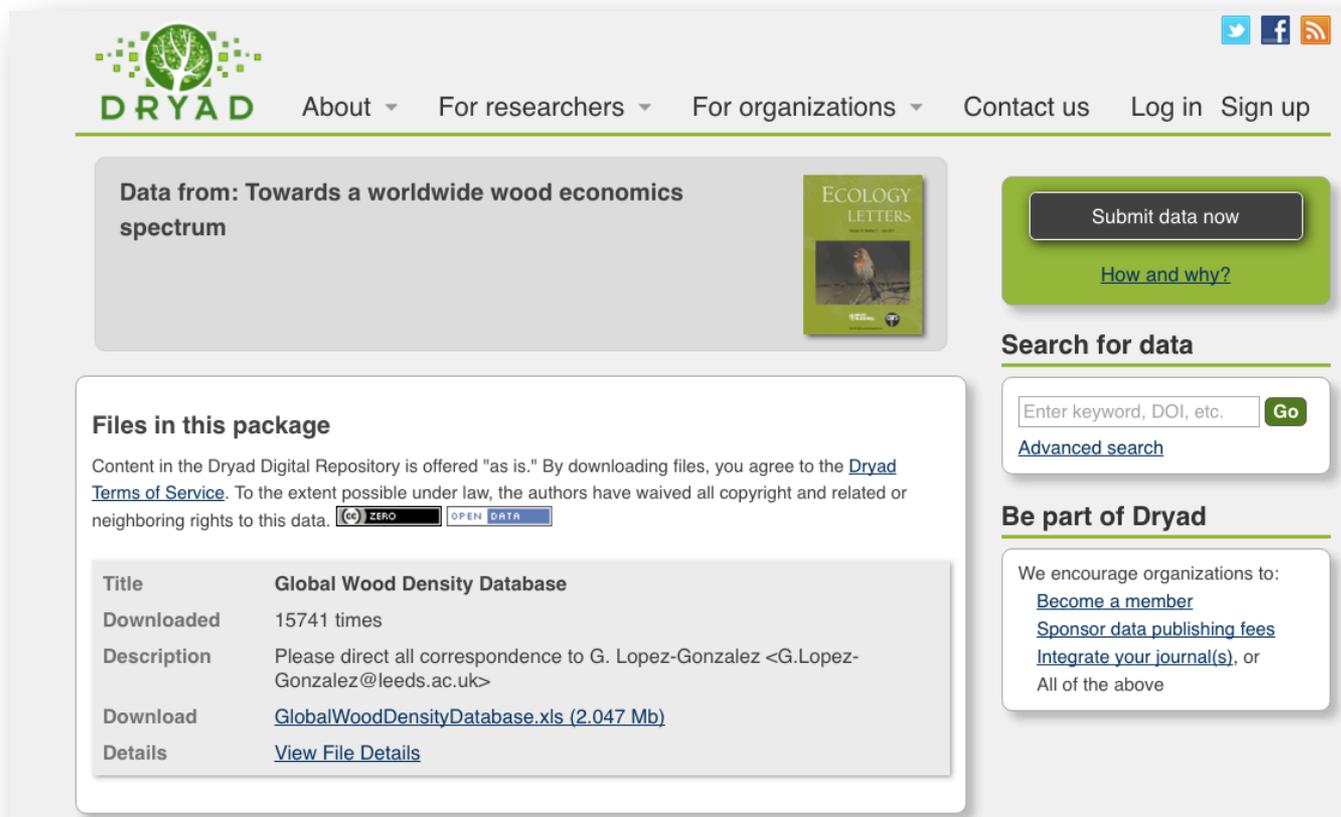
Software

Images

Tables

Graphs

Recordings



The screenshot shows the Dryad website interface. At the top, there is a navigation bar with the Dryad logo (a green tree icon) and the text "DRYAD". To the right of the logo are navigation links: "About", "For researchers", "For organizations", "Contact us", "Log in", and "Sign up". In the top right corner, there are social media icons for Twitter, Facebook, and RSS.

The main content area features a highlighted dataset card with the title "Data from: Towards a worldwide wood economics spectrum". To the right of the title is a small image of a book cover titled "ECOLOGY LETTERS". Below the title, there is a "Submit data now" button and a link "How and why?".

Below the dataset card, there is a section titled "Files in this package". It contains a paragraph of text: "Content in the Dryad Digital Repository is offered 'as is.' By downloading files, you agree to the [Dryad Terms of Service](#). To the extent possible under law, the authors have waived all copyright and related or neighboring rights to this data." Below this text are icons for "CC0" and "OPEN DATA".

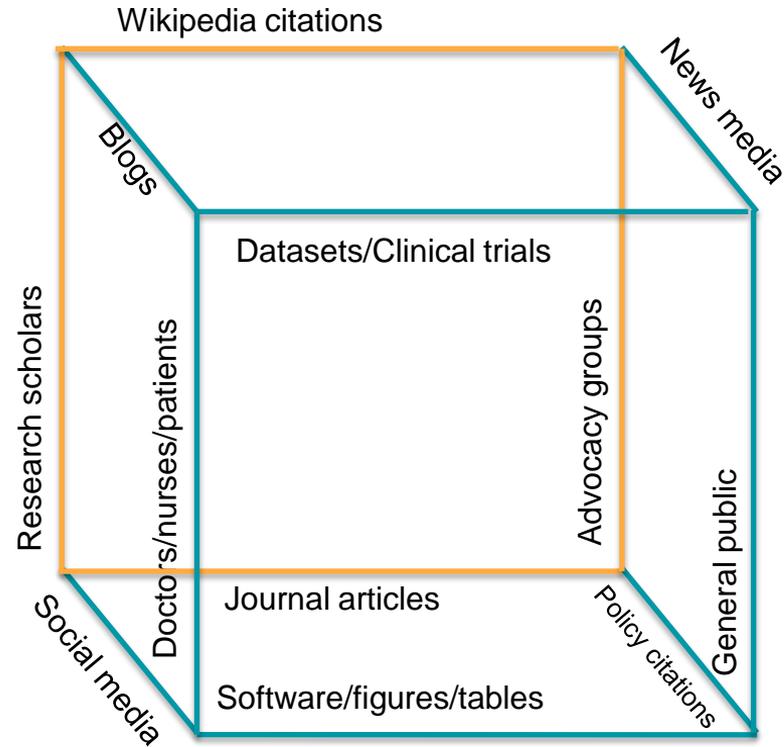
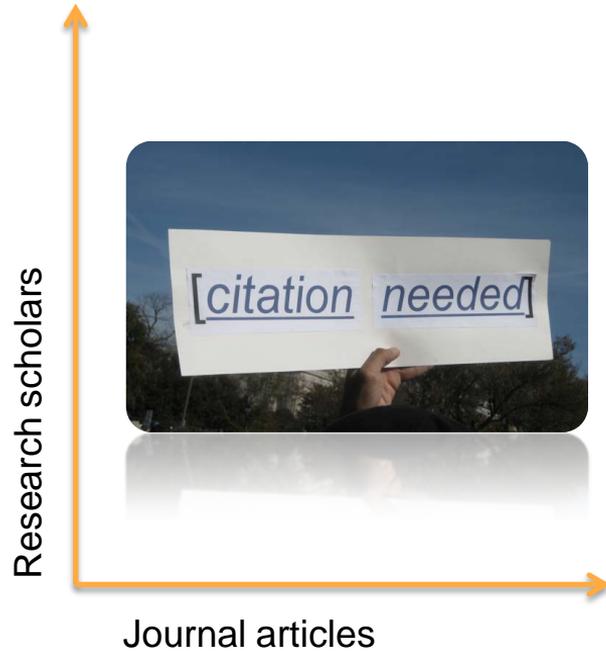
Below the text is a table with the following information:

Title	Global Wood Density Database
Downloaded	15741 times
Description	Please direct all correspondence to G. Lopez-Gonzalez <G.Lopez-Gonzalez@leeds.ac.uk>
Download	GlobalWoodDensityDatabase.xls (2.047 Mb)
Details	View File Details

On the right side of the page, there is a "Search for data" section with a search input field containing the placeholder text "Enter keyword, DOI, etc." and a "Go" button. Below the search field is a link "Advanced search".

Below the search section is a "Be part of Dryad" section with the text: "We encourage organizations to: [Become a member](#), [Sponsor data publishing fees](#), [Integrate your journal\(s\)](#), or All of the above".

Journal metrics = 2D picture; **alternative metrics = 3D**

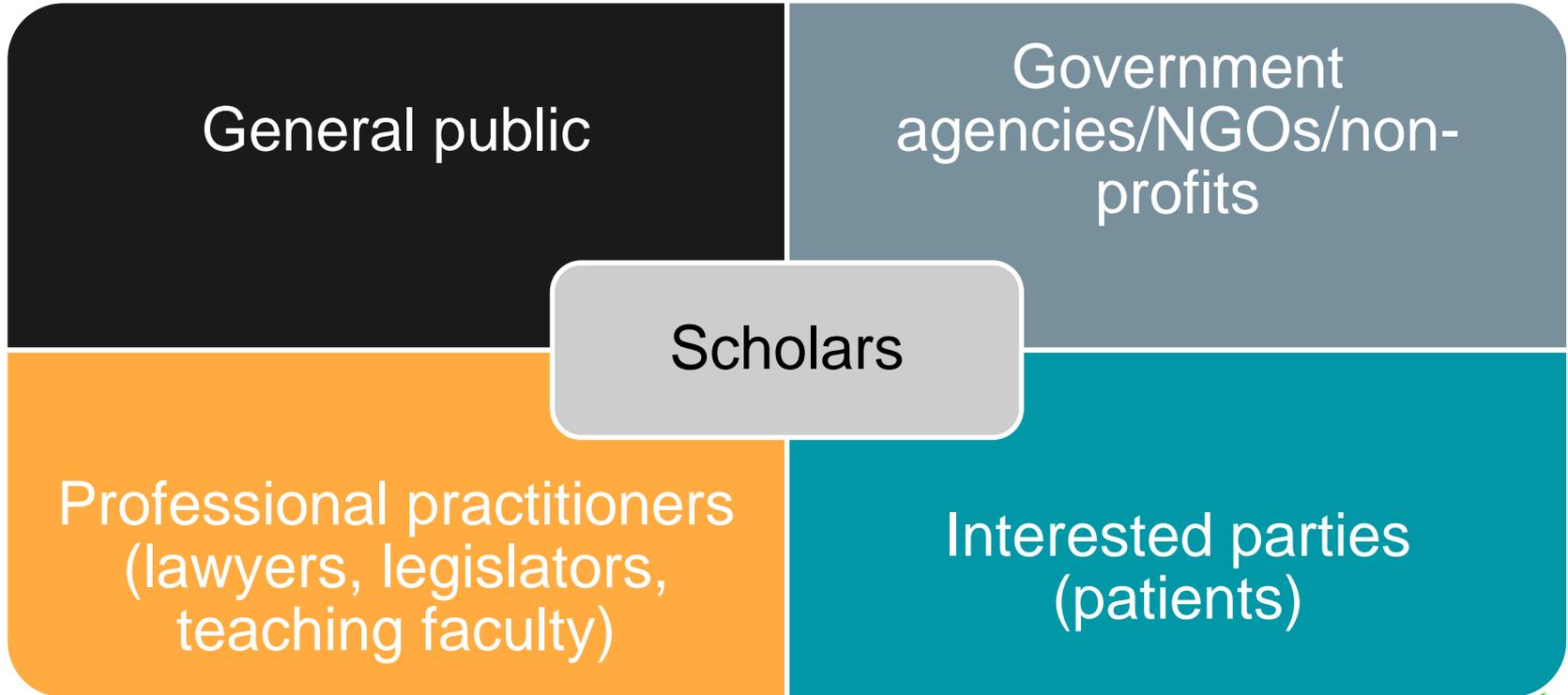


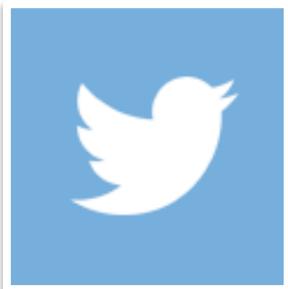
Another dimension of impact...

- Attention
- Immediacy (snapshot NOT time lapse)
- Non-academic engagement
 - Beyond scholarly academic publishing
- Non-traditional sources
 - Beyond academic journals
- Non-traditional research outputs
 - Provide data for all outputs, not just research articles (code, data, software, images, etc)



Another dimension of impact: ***Audiences***





Dynamic attention
and immediacy
indicators

From non-
traditional
sources



Indicating non-
traditional use by
many audiences



@RouhiRoo

So who cares about and wants this data?



A sampling of our **global, multi-industry** customer base



ELSEVIER



MAX-PLANCK-GESELLSCHAFT

WILEY



Smithsonian



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives. Protecting People™



THE NATIONAL ACADEMIES PRESS



368

About this score

In the top 5% of all articles scored by Altmetric

MORE...

Mentioned by



Readers on

SUMMARY

News

Blogs

Twitter

Facebook

Wikipedia

Google+



So far, Altmetric has seen 6 posts from 5 blogs.

Emerging Disease Could Wipe Out American, European Salamanders

Technology Org, 06 Nov 2014

A deadly disease that is wiping out salamanders in parts of Europe will inevitably reach the U.S.

Europese salamanders sterk bedreigd door Aziatische schimmelziekte

Persberichten - Universiteit Gent, 03 Nov 2014

In 2013 werd een salamanderetende schimmel (Batrachochytrium salamandrivorans) ontdekt die de Nederlandse vuursalamanders aan...

2014年10月31日《科学》杂志精选

生物360最新文章, 31 Oct 2014

封面故事: 衰老的大脑、神经回路是如何控制需技能行为的、地球上的动

Asian Fungus is Killing European Salamanders, U.S. May Be Next

I Fucking Love Science, 03 Nov 2014

Plants and...

Science: 亚洲真菌威胁全世界的火蝾螈和水蜥

生物360最新文章, 31 Oct 2014

这一由An Martel与同事所做的研究重点介绍了被称作Batrachochytrium salamandrivorans的壶菌, 该真菌~

European salamanders and newts vulnerable to fungal disease from Asia

Imperial College London News, 30 Oct 2014

A skin-eating fungal disease brought to Europe by humans now poses a major threat to native salamanders and newts, scientists...

Article

Figures

Tables

Supplemental Content

Refe

See more details

33 readers on Mendeley

Wiley feedback from authors on new metrics...

**JOURNAL OF
POLICY ANALYSIS AND MANAGEMENT**

Research Article

The Effect of Breakfast in the Classroom on Obesity and Academic Performance: Evidence from New York City

Sean P. Corcoran, Brian Elbel and Amy Ellen Schwartz

Article first published online: 30 MAR 2016
DOI: 10.1002/pam.21909
© 2016 by the Association for Public Policy Analysis and Management

Issue

Journal of Policy Analysis and Management
Early View (Online Version of Record published before inclusion in an issue)

SEARCH

In this issue

Advanced > Saved Searches >

ARTICLE TOOLS

- Get PDF (649K)
- Save to My Profile
- E-mail Link to this Article
- Export Citation for this Article
- Get Citation Alerts
- Request Permissions

Share |

Am score 215

“I am more likely to submit a paper to a journal that supports article metrics”

50% agree (vs. 17% disagree)



Wiley readers use the metrics to...

- Gauge the overall popularity of the article
 - **87%** of respondents strongly agreed or agreed
- Discover and network with researchers who are interested in the same area of their work
 - **77%** strongly agreed or agreed
- Understands a paper's influence on the scientific community
 - **66%** strongly agreed or agreed
- Determine what journal to submit their next paper to
 - **60%** of respondents strongly agreed or agreed
- Determine areas of research to explore
 - Only **37%** of respondents strongly agreed or agreed



Who cares *on campus*?

Early career academics

Academics wishing to secure new funding or maintain existing

Communications offices

Fundraising/Development

Research Offices

Impact assessment officers



Libraries: What is the impact of CTSA research on policy globally?

Scholarly communications librarian

Oregon Health & Science University

2 year review of policy documents

Looking for citations to OHSU research in policy documents from health related organizations



Journey to the Top 25

Research

5 university

University of

Looking at 5

How does no

are?



Our Journey

Our journey is one with an ambitious goal—to join the ranks of the nation’s Top 25 public research universities. In conjunction with Vol Vision, the university’s strategic plan, we embarked on our journey in 2010. In the years since, we have made great strides in improving our students’ experiences while making new discoveries and engaging with our local and global communities.

The focus of our journey is on five priority areas: undergraduate education; graduate education; faculty; research and engagement;



Maria Cosma published in **Cell** and got noticed in PubPeer

PubPeer
The online journal club

Search by DOI, PMID, arXiv ID, keyword, author, e

The PubPeer database contains all articles. Search results return articles with
To leave a new comment on a specific article, paste a unique identifier such as a DOI, PubMed ID

Search Publications

PubPeer comments on PubMed and journals
with our browser extension!

PubPeer Blog Recent Featured Journals Topics Login Donate Search publications, DOIs, authors.

PubPeer > Mol. Cell

"Cdk1 triggers association of RNA polymerase to cell cycle promoters only after recruitment of the mediator by SBF"

M P Cosma, S Panizza, K Nasmyth, Mol. Cell, 7 (2001)

Comments (81): Display By: [dropdown]

Peer 1: (March 16th, 2015 12:32pm UTC)

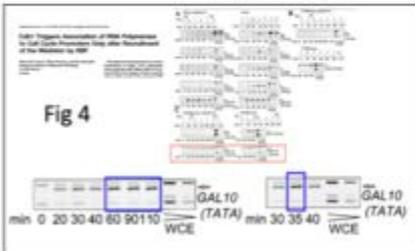


Fig 4C
Multiple lane reuse
<http://i.imgur.com/GTHAe03.png>

Reply Report

Unregistered Submission: (March 16th, 2015 4:32pm UTC)

Go to Article PDF
Get alerts for new activity
Invite others to the conversation

Internal links:

- Mutations in the extracellular domain cause RET loss of function by a dominant negative mechanism
- Ordered recruitment of transcription and chromatin remodeling factors to a cell cycle- and developmentally regulated promoter
- Modulation of the Vitamin D3 Response by Cancer-Associated Mutant p53
- Beware of jpg image compression artefacts
- Interleukin-6 is an essential regulator of satellite cell-mediated skeletal muscle hypertrophy
- Genetic analysis of p38 MAP kinases in

Concerns emerged on PubPeer: Image manipulation?



About this score

In the top 25% of all research outputs scored by Altmetric

MORE...

Mentioned by

- 1 blog
- 1 peer review site

Readers on

42 Mendeley

Tools

- Open in a new tab
- Download as JSON

SUMMARY

Blogs

Peer reviews

So far, Altmetric has seen 1 peer review sites that discuss this research output.



PubPeer

This paper has 80 comments on PubPeer, an open scientific commentary website.

Peer 3

07 Jun 2015

Indeed, reading RetractionWatch article, there is little hope left for Kim Nasmyth to ever investigate this issue seriously: "If someone comes to me with clear evidence for wrongdoing then I will be..."

Peer 13

06 Jun 2015

The retraction watch report puts it succinctly as usual. The band similarities (actually identities) are obvious to anyone with experience of these kind of assays and of image processing...

Unregistered Submission

05 Jun 2015

Comment by Cosma (above): "The final pictures were submitted as print out documents and finally re-scanned." So it is to be expected to find tiny differences in pixel analysis...

Unregistered Submission

05 Jun 2015

It is shockingly good evidence!

Unregistered Submission

05 Jun 2015

I analyzed the picture myself on photoshop, and the worse is that you even missed some other replications!

A hasty response where guidance could have helped

PubPeer Blog Recent Featured Journals Topics Login [Donate](#)

Peer 6: (April 9th, 2015 6:42am UTC)

Maria Pia **Cosma**

In this paper we showed the sequential recruitment of RNA polymerase II to the yeast. We proved that RNA polymerase II is recruited as a holoenzyme but in two steps, i.e. that the Mediator complex is recruited first, followed by RNA polymerase II. This article has been cited more than 150 times and is widely confirmed, reproduced and expanded by others in other biological contexts. Some examples confirming/expanding directly our work are: <http://genesdev.cshlp.org/content/15/18/2457.full>, <http://www.pnas.org/content/100/24/13887.full>, <http://www.sciencedirect.com/science/article/pii/S0042680100000000>, <http://www.sciencedirect.com/science/article/pii/S0042680100000000>, <http://mcb.asm.org/content/23/17/6229.long>

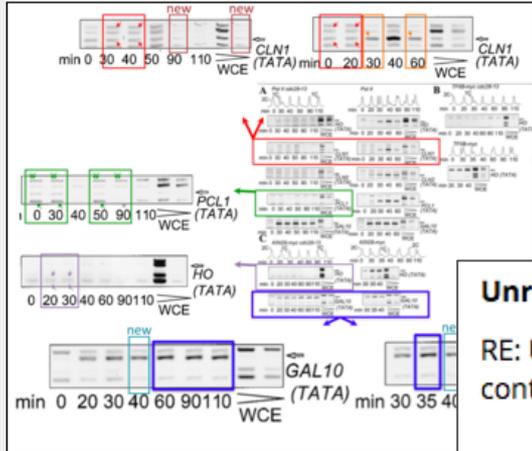
I got to know very late about the posts in PubPeer, only on the 26th of March by colleagues (not by the web site), therefore I can comment only now. The figures were made after scanning pictures of multiplex PCR amplifications ran in agarose gels. The final pictures were submitted as print out documents and finally re-scanned. This is a 14 year-old paper, at that time, journals had no clear guidelines on how to present gel data. The analysis of these low-resolution images in PDF, the only data available for such old paper, does not confirm the posted statements. On the other hand, yeast strains to check validity of the scientific conclusions are available to the scientific community. The majority of comments about this and other scientific unrelated articles have been posted in few days. The posted images include manipulations of the original PDF data, which discredit the intentions of some who posted. I am open to a constructive discussion about the matter with anybody willing to contact me.

[Reply](#) [Report](#)



Peer reviewers remained unconvinced...

Unregistered Submission: (April 10th, 2015 3:47pm UTC)



<http://i.imgur.com/bLIRYW5.png>

These are serious issues that call for a serious

Unregistered Submission: (April 11th, 2015 6:25pm UTC)

Peer 7: you have indeed lost the point.

Questions about the veracity of data are not a personal attack. In this case, the questions are substantial and serious.

Unregistered Submission: (April 15th, 2015 9:06pm UTC)

RE: Unreg @ April 11th, 2015 1:56pm UTC: "If there are issues with data or figures, directly contacting the authors for clarification should always be the first step."

That's an interesting notion, although in this case it seems a strange point, because above there is already a response from the author, and it clearly shows zero interest in addressing the issues raised in this thread. So, it seems that contacting the author would have achieved nothing. I suppose one could still consider asking the last author for a response. (Feel free to do so, if you prefer that route.)

Reply

Report

Rise of 'altmetrics' and measuring impact of research

Jennifer Howard, *The Chronicle of Higher Education* 08 June 2013 Issue No:275

 Like 7  Tweet  G+ 0  Share 17



Join us on

[facebook](#)

Follow us on

[twitter](#)

News Feeds

 [Global Edition](#)

 [Africa Edition](#)

Disclaimer

All reader responses posted on this site are those of the reader ONLY and NOT those of University World News or Higher Education

Steven B Roberts's 103-page tenure package features the usual long-as-your-arm list of peer-reviewed publications. But Roberts, an assistant professor at the University of Washington who studies the effects of environmental change on shellfish, chose to add something less typical to his dossier – evidence of his research's impact online.

This is an article from [The Chronicle of Higher Education](#), America's leading higher education publication. It is presented here under an agreement with University World News.

He listed how many people viewed his laboratory's blog posts, tweeted about his research group's findings, viewed his data sets on a site called Figshare, downloaded slides of his presentations from SlideShare, and otherwise talked about his lab's work on social media platforms.

In his bibliography, whenever he had the data, he detailed not only how many citations each paper received but how many times it had been downloaded or viewed online. The strategy was part of "an attempt to quantify online science outreach", he explained in his promotion package.

Roberts can't say for sure that including the digital footprint of his research – captured in part with alternative metrics, or 'altmetrics', like those listed above – helped him in his bid for tenure. But it certainly didn't hurt. He won a promotion to associate professor in the School of Aquatic and Fishery Sciences at the university's College of the Environment.



This isn't gossip.
It's the truth.





Terrie Moffitt, PhD, Faculty at Duke and KCL



Nannerl O. Keohane University Professor, Duke University

Chair in Social Behaviour and Development, Kings College London

https://en.wikipedia.org/wiki/Terrie_Moffitt

Terrie is best known for her *pioneering research on the development of antisocial behavior* and for her collaboration with colleague and partner Avshalom Caspi in research on gene-environment interactions in mental disorders.



Anticipating feedback from the field – devils in the details

Major paper published they *knew* would generate criticism

Received coverage in Discover's *Neuroskeptic* blog

Wasn't aware of this blog before Altmetric



Discover
SCIENCE FOR THE CURIOUS

Search Discover

THE MAGAZINE | BLOGS | HEALTH & MEDICINE | MIND & BRAIN | TECHNOLOGY

BLOGS
D-brief | The Crux | Body Horrors | Citizen Science Salon | The Extreme
Neuroskeptic | Out There | Science Sushi | Seriously, Science? | Field Notes

Save 75% Now!
2 Years, Just \$29.95!

 **Neuroskeptic**

Rogue Editors at a Psychiatry Journal?
By Neuroskeptic | March 29, 2016 9:12 am



Anticipating feedback from the field – devils in the details

Drew extensive criticism from another research group

Skeptical of methodology and results

Terrie's lab used the opportunity to reach out and share data

They're hoping to collaborate in future



“Qualitative Altmetric data gave us the opportunity to be collegial by bringing these critiques to our attention.”

~Professor Moffitt



So what's the problem?

Well what's tracked?
(Anything that's trackable...)

Common questions

What's worth tracking?

What kind of attention is a click, tweet, download, or citation?

Who is the attention from and how does that matter?

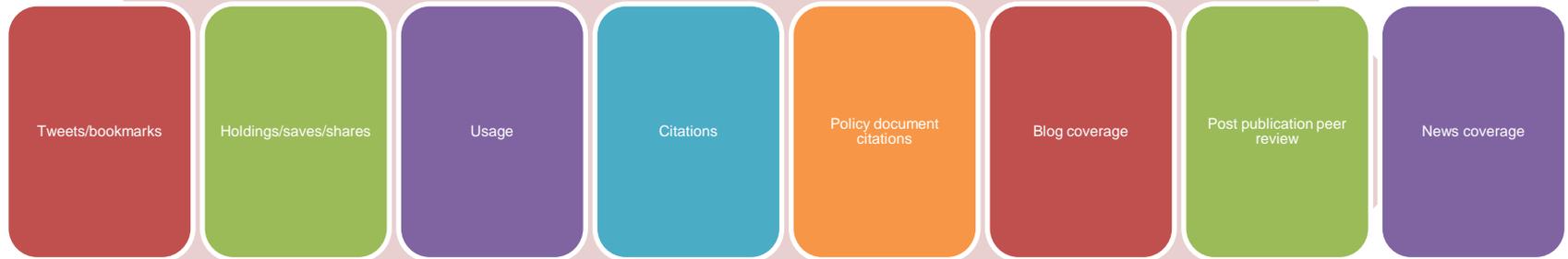


How is this not just more numbers?



Attention exists on a spectrum

- Superficial
- Article may or may not have been read
- Many potential readers but few actual
- Cost-light (er)



- Article more likely to be read
- Cost-heavy (ier)
- Readers = practitioners (?)
- Actionable (?)

Who engages when/why matters too

General public

Public communicator (blogger, journalist)

Interested parties

Practitioners

Researchers in same field

Researchers in different fields



Ideally it's transparent/auditable



About this score

In the top 5% of all articles scored by Altmetric

MORE...

Mentioned by



Readers on

SUMMARY

News

Blogs

Twitter

Facebook

Wikipedia

Google+

? So far, Altmetric has seen 6 posts from 5 blogs.

Emerging Disease Could Wipe Out American, European Salamanders

Technology Org, 06 Nov 2014

A deadly disease that is wiping out salamanders in parts of Europe will inevitably reach the U.S.

Europese salamanders sterk bedreigd door Aziatische schimmelziekte

Persberichten - Universiteit Gent, 03 Nov 2014

In 2013 werd een salamanderetende schimmel (Batrachochytrium salamandrivorans) ontdekt die de Nederlandse vuursalamanders aan...

2014年10月31日《科学》杂志精选

生物360最新文章, 31 Oct 2014

封面故事: 衰老的大脑、神经回路是如何控制需技能行为的、地球上的动

Asian Fungus is Killing European Salamanders, U.S. May Be Next

I Fucking Love Science, 03 Nov 2014

Plants and...

Science: 亚洲真菌威胁全世界的火蝾螈和水蜥

生物360最新文章, 31 Oct 2014

这一由An Martel与同事所做的研究重点介绍了被称为Batrachochytrium salamandrivorans的壶菌, 该真菌~

European salamanders and newts vulnerable to fungal disease from Asia

Imperial College London News, 30 Oct 2014

A skin-eating fungal disease brought to Europe by humans now poses a major threat to native salamanders and newts, scientists...

Ye age olde question:
What about gaming?



Altmetric

Well...what about it?

All metrics
can be
gamed

Context is
essential =
who/what/
when/why

We never
ask these
questions of
citations.

Altmetrics =
qualitative/a
uditable*

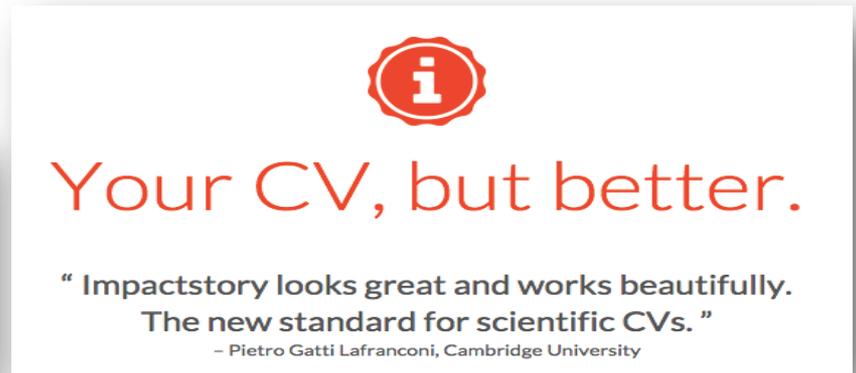


Couldn't "gaming" be good...?

Researchers as marketers

Pushing researchers to reach more than peer-2-peer

Taking responsibility for the message



NISO Alternative Assessment Metrics (Altmetrics) Initiative

http://www.niso.org/topics/tl/altmetrics_initiative/

Altmetrics Definitions and Use Cases - Draft for Public Comment, March 22 - April 20, 2016!

Altmetrics Data Quality Code of Conduct - Draft for Public Comment, February 25-March 31, 2016

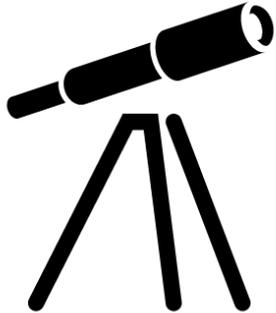
Organizations involved:

Altmetric LLP, Harvard University, Plum Analytics, SSRN, Elsevier, ACS, HighWire, Project COUNTER, SPARC, Ex Libris, PLoS



Alternative metrics are about

Evaluating



Discovering



Monitoring

Communicating



Alternative metrics facilitate

Collaboration

Clarification

Discovery



Engagement

Networking



Who are we?

Altmetric is a **data science company** that **tracks attention** to research outputs, delivering **output level metrics** via visually engaging, intuitive interfaces.

We believe in ***open/auditable data, collaboration*** with all information stakeholders, and the ***highest standards*** in data quality.



Questions?



Sara Rouhi,
Director of Business Development, North America
sara@altmetric.com
@RouhiRoo
+1 202 505 0814

What is the donut? What does it indicate?

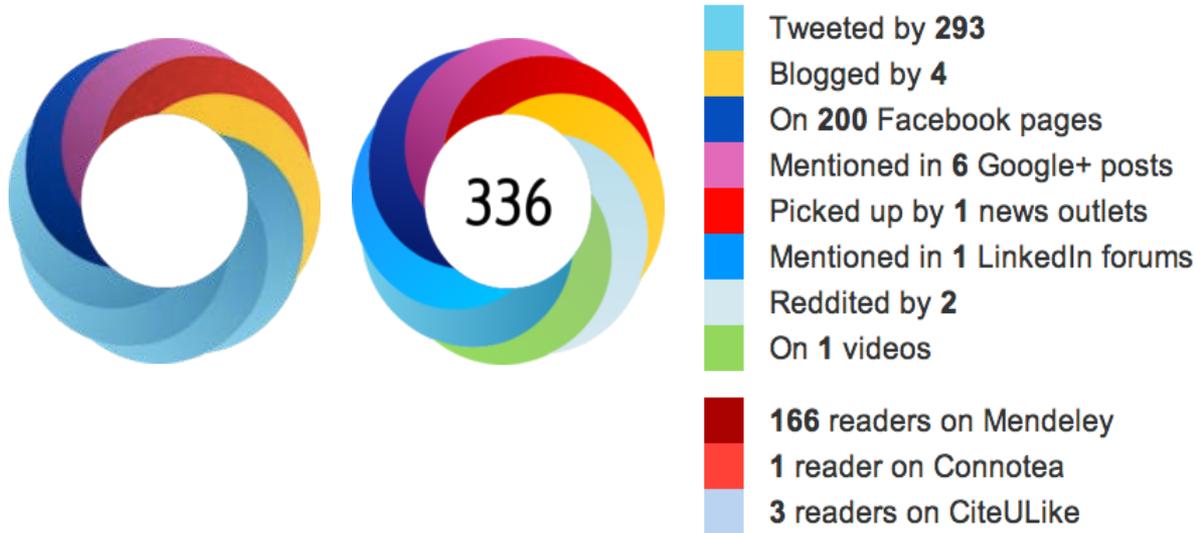
Volume	Sources	Authors
The score for an article rises as more people mention it.	Each source category contributes a different base amount to the final score.	Assess the author of each mention in terms of their reach, promiscuity and bias.

More info at: www.altmetric.com - About altmetrics – The donut and score

336



What is the donut? What does it indicate?



Mention type	Points
News	8
Blogs	5
Twitter	1
Facebook	0.25
Sina Weibo	1
Wikipedia	3
Policy Documents (per source)	3
Q&A	0.25
F1000/Publons/Pub peer	1
YouTube	0.25
Reddit/Pinterest	0.25

How do we gather our data?



How do we populate our database? **3 things needed**

An ***output***
(journal
article,
dataset, etc)

An ***identifier***
attached to
the output
(DOI, PMID,
etc)

Mentions in a
***source we
track***



Altmetric

Unique IDs we track... more than DOIs



Research
Outputs

DOIs	General
PubMed ID	Health Sciences
arXiv ID	Physics, Mathematics & Computer Sciences
ADS ID	Astrophysics data system
SSRN ID	Social Sciences
RePEC ID	Economics
Handles	General
ClinicalTrials.gov Records	Medicine/biomedical
URN	General (used in European repositories)

Sources we track: thousands of engagement platforms

News outlets

- Over 1,300 sites and growing every day
- Manually curated list
- Text mining
- Global coverage

Academic blogs and social media

- Twitter, Facebook, Google+
- Public posts only
- Manually curated list
- Almost 10K academic/field specific blogs

Post-publication peer review

- Publons
- PubPeer

Reference managers

- Mendeley, CiteULike
- Reader counts

Other sources

- Wikipedia
- YouTube
- Reddit
- F1000
- Pinterest
- Q&A
- Citations (coming in 2016)

Policy documents

- NICE Evidence
- Intergovernmental Panel on Climate Change
- Many more...

Just 3 conditions!

1. Research output
2. WITH an ID
3. Mentioned on these platforms

Real time delivery to details pages

Follow a list of sources
(manually curated)

Search for links to outputs*

Follow the identifiers...

Collate and disambiguate
attention

Display attention data in Details Pages.

ADS ID

Handles

DOI

PubMed ID

arXiv ID

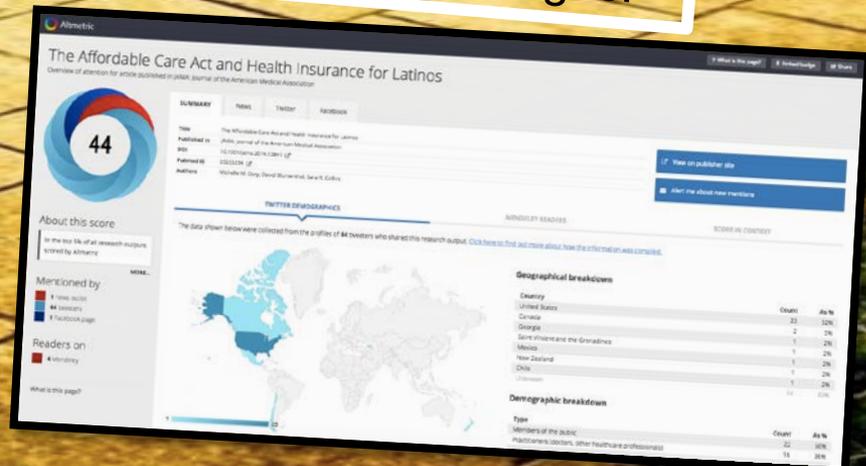
RePEC ID

SSRN ID

URNs

ISBN

Clinicaltrials.gov
NCT Records



*Except news mentions and policy citations = text mining