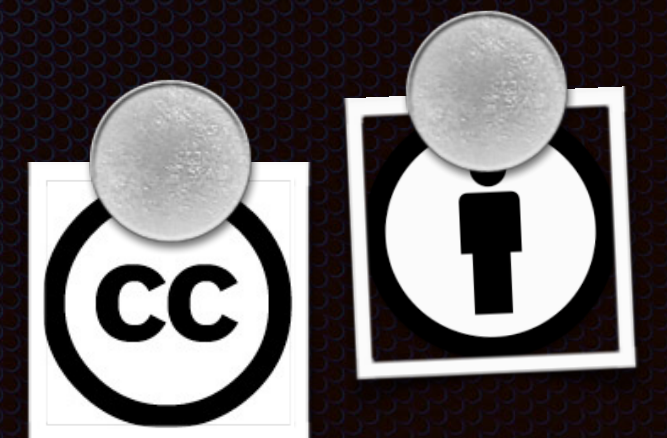


# altmetrics

- measuring research impact on the web

Keita Bando

<http://orcid.org/0000-0003-0485-8891>

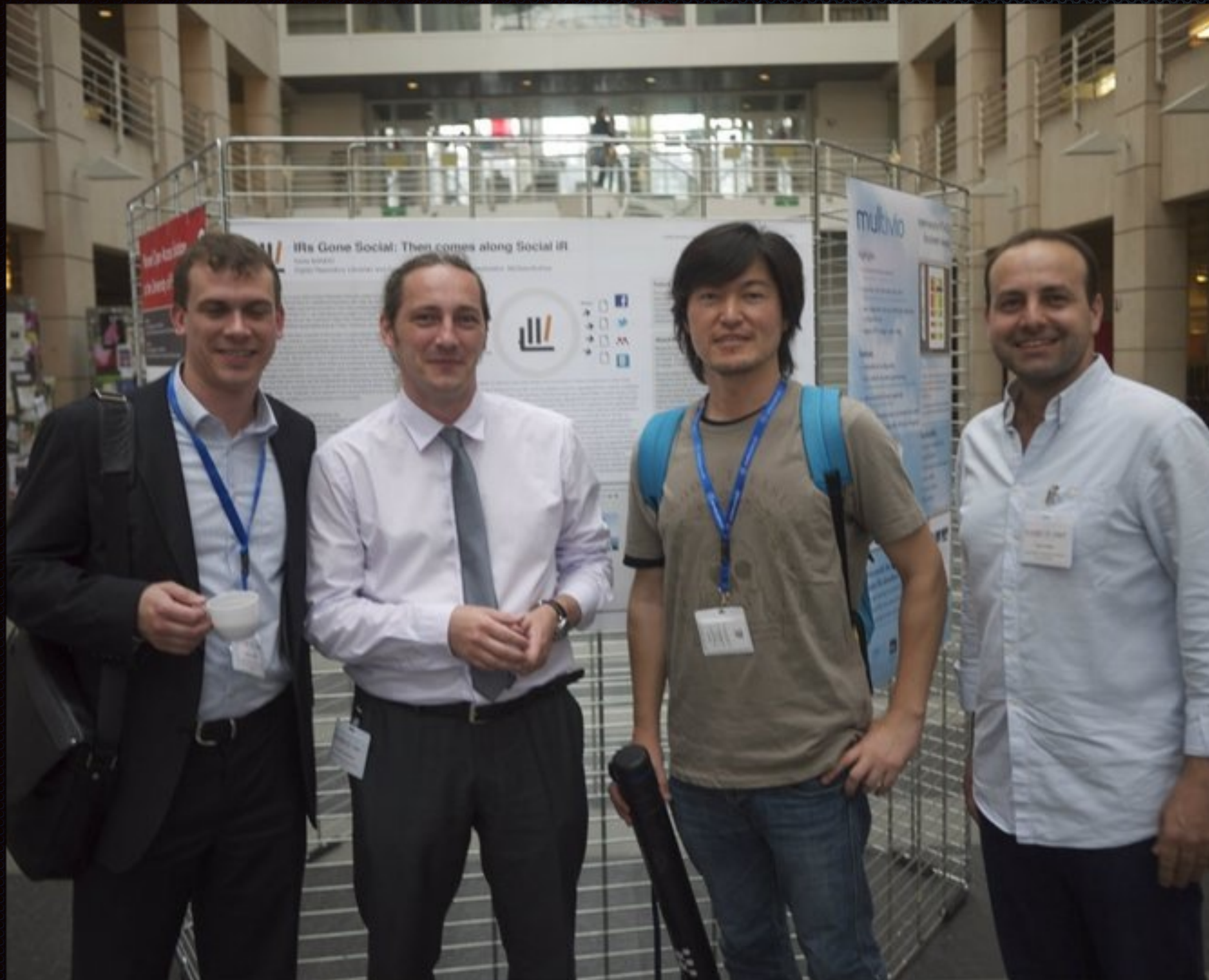




# About me

- ✦ 坂東慶太
- ✦ Founder of MyOpenArchive (2007 – Present)
- ✦ MyOpenArchive is an Open Access Repository that was created for researchers at institution without an Institutional Repository.
- ✦ Mendeley Advisor (2011 – Present)
- ✦ ORCID Ambassador (2013 – Present)







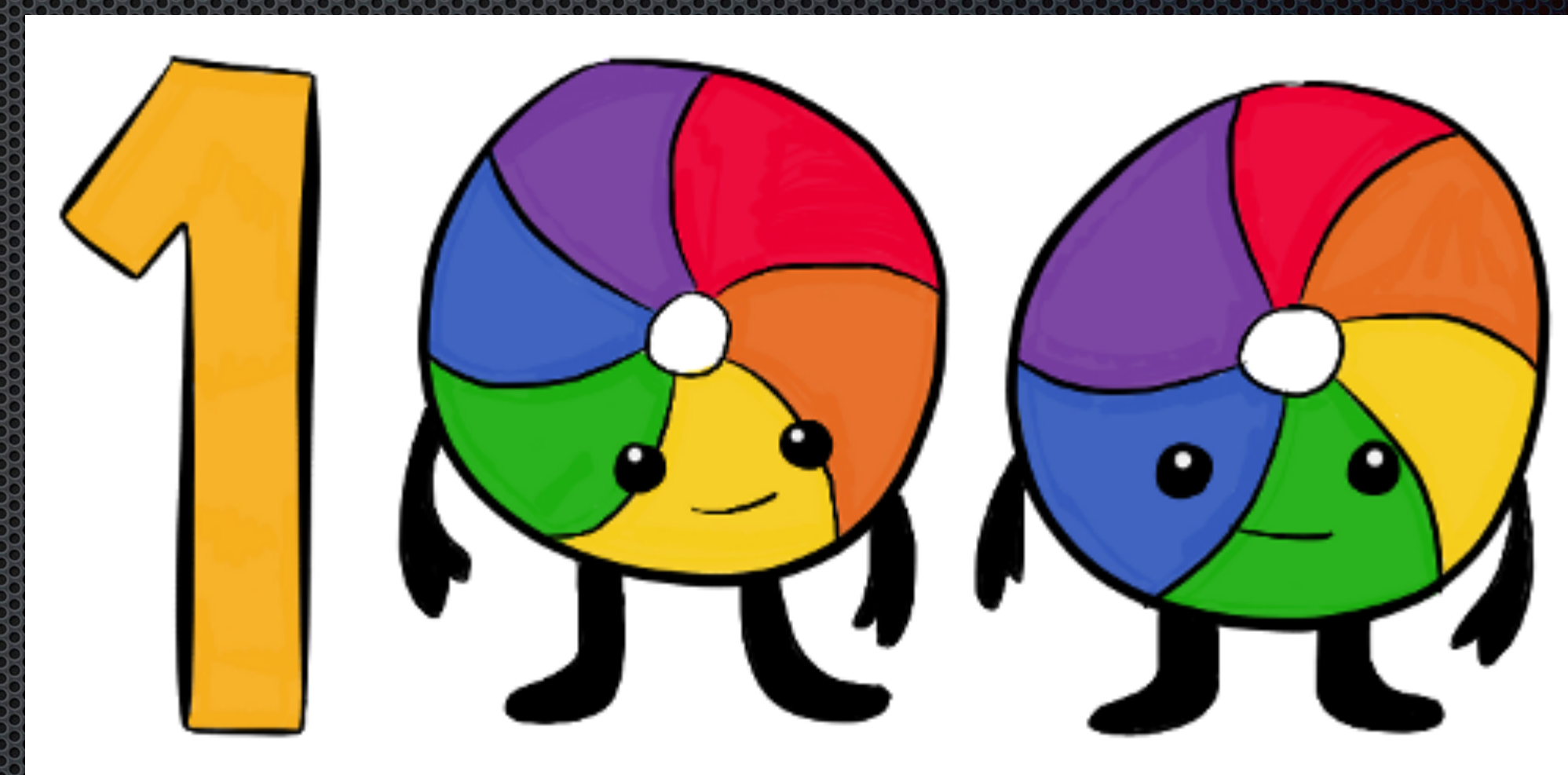
# Article about altmetrics

- Altmetricsの可能性 ソーシャルメディアを活用した研究評価指標, 情報管理, Vol. 55 (2012) No. 9 P 638-646. DOI: <http://dx.doi.org/10.1241/johokanri.55.638>
- 「オープンアクセス×ソーシャルメディア」時代の研究評価指数altmetricsの可能性. 2013, 月刊DRF, 2013年10月号, No.45, p.1-5. DOI: <http://dx.doi.org/10.6084/m9.figshare.810513>
- altmetricsにおけるMendeley Readershipの重要性をAltmetricスコアから読み解く. 2013, 第15回図書館総合展. DOI: <http://dx.doi.org/10.6084/m9.figshare.810513>



# Introduction

1. Overview of active cesium contamination of freshwater fish in Fukushima and Eastern Japan, Scientific Reports
2. Primary Prevention of Cardiovascular Disease with a Mediterranean Diet, New England Journal of Medicine
3. Direct Imaging of Covalent Bond Structure in Single-Molecule Chemical Reactions, Science



Altmetric 2013 Top 100

the 100 papers that received the most attention online  
- and the conversations that happened around them.



SCIENTIFIC REPORTS | ARTICLE **OPEN**



## Overview of active cesium contamination of freshwater fish in Fukushima and Eastern Japan

Toshiaki Mizuno & Hideya Kubo

[Affiliations](#) | [Contributions](#) | [Corresponding author](#)

*Scientific Reports* 3, Article number: 1742 | doi:10.1038/srep01742

Received 13 March 2012 | Accepted 05 April 2013 | Published 29 April

[PDF](#) [Citation](#) [Reprints](#) [Rights & permissions](#) [Article metrics](#)

This paper focuses on an overview of radioactive cesium 137 (quasi-Cs137 included Cs134) contamination of freshwater fish in Fukushima and eastern Japan based on the data published by the Fisheries Agency of the Japanese Government in 2011. In the area north

### SCIENTIFIC DATA

#### CALL FOR SUBMISSIONS



Submit yours now.

[Science jobs](#)

[Science events](#)

**nature**events directory

Enhanced rare cell analysis – Visualize the





## Article metrics for:

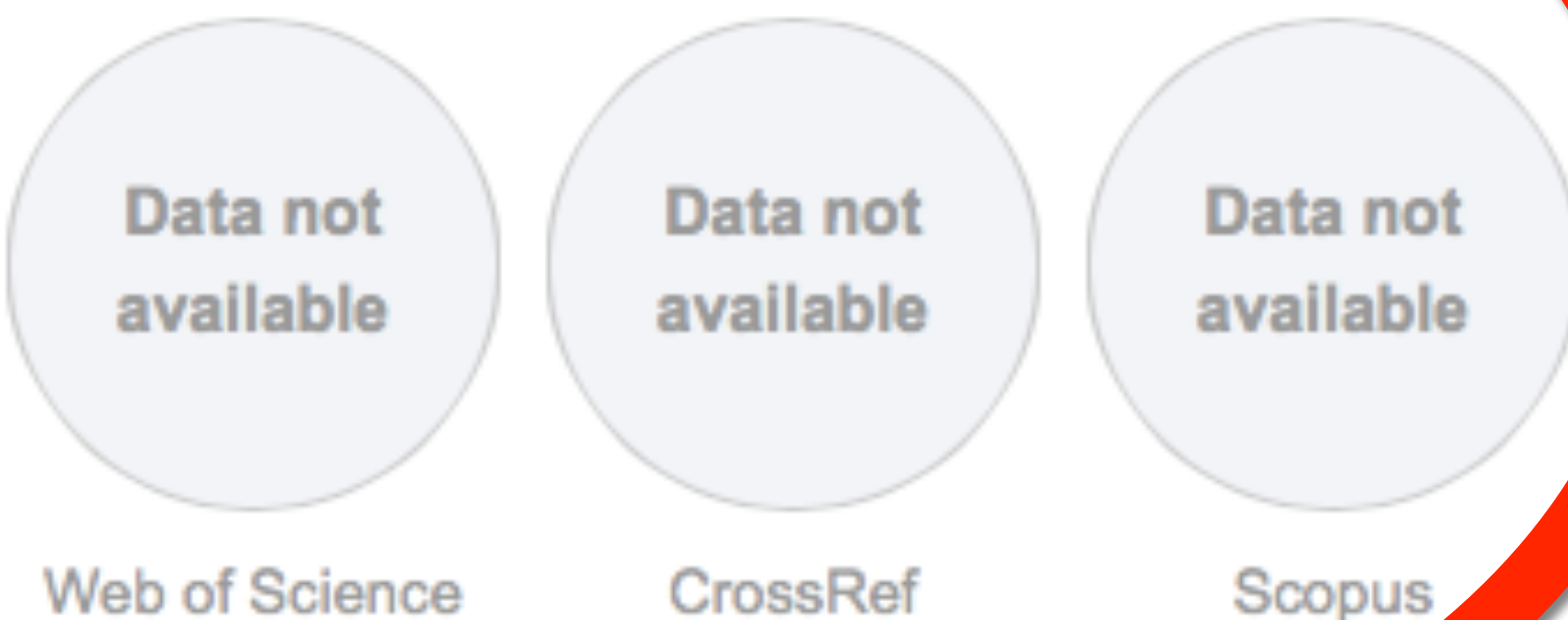
# Overview of active cesium contamination of freshwater fish in Fukushima and Eastern Japan

**Toshiaki Mizuno & Hideya Kubo**

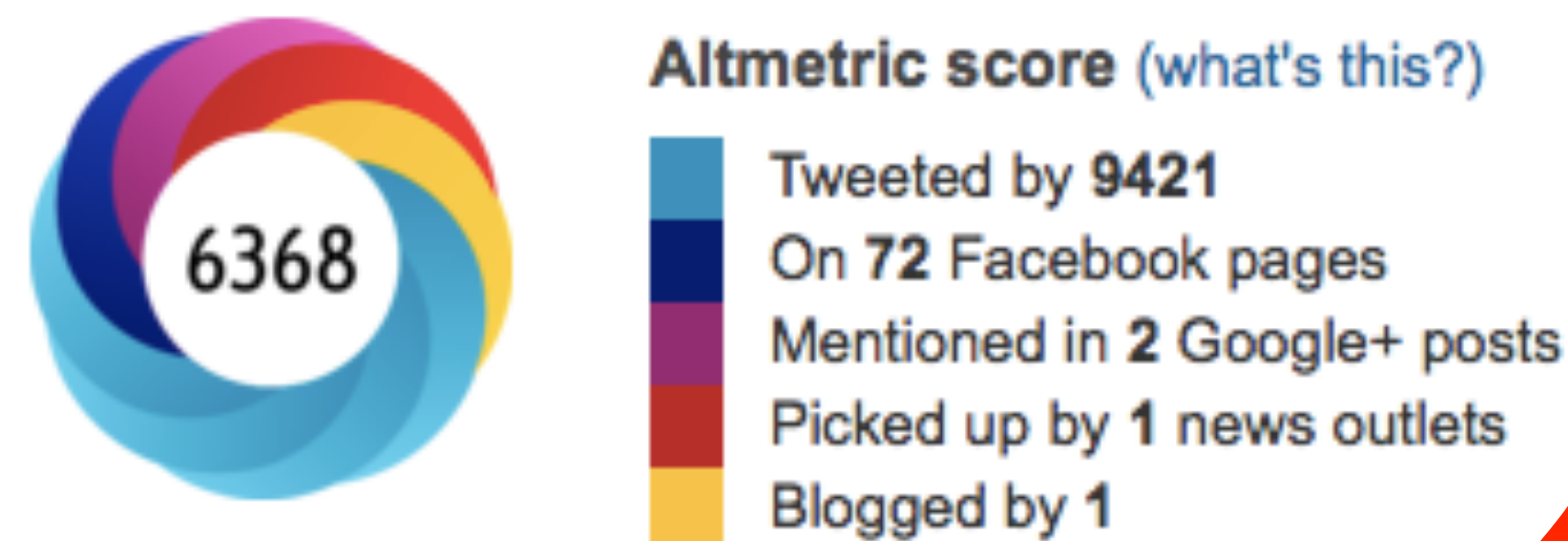
*Scientific Reports* **3**, Article number: 1742 (2013) | doi:10.1038/srep01742

Last updated: January 2014 10:56 EST

## Total citations



## Online attention



- This Altmetric score means that the article is
- in the 99th percentile of a sample of 10,000 of the 73,485 tracked articles of a similar age in all years
  - in the 99th percentile (ranked 1st) of the 416 tracked articles of a similar age in





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大学院経済学研究科

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生活サポート

進路サポート

経済学部附属研究教育施設

## 新着情報:久保英也教授の論文が注目を集めています

最も権威のある科学雑誌「ネイチャー」の系列ジャーナルである「Scientific Reports」誌に掲載された本学経済学部の久保英也教授の論文(水野敏明琵琶湖環境科学研究センター研究員との共著)「Overview of active cesium contamination of freshwater fish in Fukushima and Eastern Japan」が世界で注目されています。

「Altmetric scores」(論文の注目度を評価するスコア)が2,218と過去の全論文約1,817編の中で歴代第2位(2013年7月23日現在)。

また、この6ヶ月間に掲載された最新の397論文の中では、第1位。

❖ 論文掲載URL:

<http://www.nature.com/srep/2013/130429/srep01742/full/srep01742.html>



**Search DSpace**

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**Advanced Search**[Home](#)**Browse**[Communities & Collections](#)[Title](#)[Author](#)[Subject](#)[Issue Date](#)**Access Status**[Download Ranking by Item](#)[Access Statistics](#)**Sign on to:**[Receive email updates](#)[My DSpace authorized users](#)[Edit Profile](#)[Help](#)[About DSpace](#)

Shiga University Repository &gt;

## 滋賀大学学術情報リポジトリへようこそ!!!!

★★ 新着案内 『滋賀大学大学院教育学研究科論文集, 第15号』を公開しました。(2013年1月24日)★★

★★ 新着案内 『滋賀県教育史資料目録1-10』を公開しました。★★

★★ 新着案内 『彦根論叢, 第394号』公開しました。(2012年12月)★★

滋賀大学学術情報リポジトリは、滋賀大学が生産している多様な学術情報、研究・教育成果(学術論文・研究報告書・博士論文・教材など)を永続的に蓄積・保存し、インターネットを通してどなたでも無料でアクセスできるように公開する学術コンテンツデータベースです。大学としての社会的説明責任を果たすものです。

### 滋賀大学学術情報リポジトリのコンテンツ利用について

- 滋賀大学学術情報リポジトリのコンテンツ利用については、登録されているコンテンツの著作権は、執筆者、出版社(学協会)などが有します。[SCPJ 学協会著作権ポリシーデータベース](#)(国内学協会の著作権ポリシーの確認ができます)
- 登録されているコンテンツの利用については、著作権法に規定されている私的使用や引用などの範囲内で行ってください。
- 著作権法に規定されている私的使用や引用などの範囲を超える利用を行う場合には、著作権者の許諾を得てください。ただし、著作権者から[著作権等管理事業者](#)(学術著作権協会、日本著作出版権管理システムなど)に権利委託されているコンテンツの利用手続については、各著作権等管理事業者に確認してください。

### 滋賀大学学術情報リポジトリのあゆみ

- 2007年10月:機関リポジトリワーキンググループ設置(経営戦略会議)
- 2008年3月11日:機関リポジトリワーキンググループの最終報告書承認(経営戦略会議)
- 2008年6月:NIIのCSI委託事業採択及び学長裁量経費予算承認
- 2008年7月3日:滋賀大学学術情報リポジトリ構築委員会で全学的合意
- 2009年2月:リポジトリシステム導入

2009年2月20日 試験公開

## 学内の方へ

[運用指針](#)

## Link

[滋賀大学](#)[滋賀大学附属図書館](#)[滋賀大学研究者情報総覧](#)[国内機関リポジトリ一覧\(国立情報学研究所\)](#)[学術機関リポジトリポータル JAIRO\(国立情報学研究所\)](#)[滋賀県遺跡資料リポジトリ](#)

## RSS Feeds

RSS 1.0

RSS 2.0





## Article metrics for:



# Overview of active cesium contamination of freshwater fish in Fukushima and Eastern Japan

Toshiaki Mizuno & Hideya Kubo

*Scientific Reports* **3**, Article number: 1742 (2013) | doi:10.1038/srep01742

Last updated: 3 January 2014 7:15:56 EST

## Total citations

Data not available

Web of Science

Data not available

CrossRef

Data not available

Scopus

## Online attention



Altmeter score (what's this?)

- Tweeted by **9421**
- On **72** Facebook pages
- Mentioned in **2** Google+ posts
- Picked up by **1** news outlets
- Blogged by **1**

- This Altmeter score means that the article is
- in the 99th percentile of a sample of 10,000 of the 73,485 tracked articles of a similar age in all years
  - in the 99th percentile (ranked 1st) of the 416 tracked articles of a similar age in



# Overview of active cesium contamination of freshwater fish in Fukushima and Eastern Japan



Twitter Facebook News Blogs Google+ Score Demographics Help

So far Altmetric has seen **9,421** tweets from **6,621** accounts with a combined audience of **4,754,920** combined followers.

## Score in context

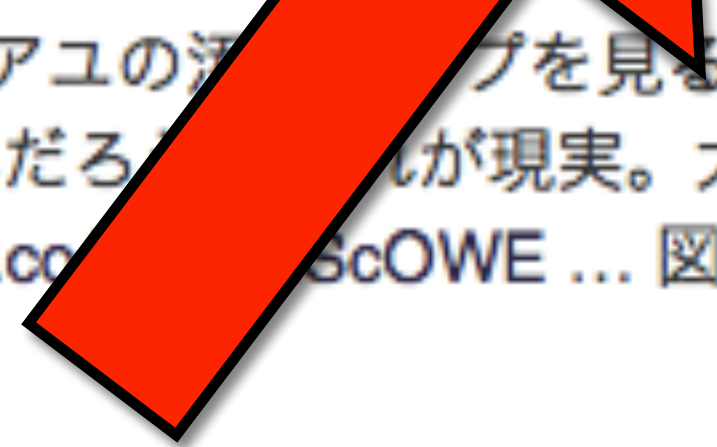
Puts article in the top 5% of all articles ranked by attention


show more...

## Mentioned by

- 6620 tweeters
- 70 Facebook users
- 1 news outlets
- 1 science blogs
- 1 Google+ users


## Readers on



 **みっきーほりっく**  
ゆーか  
@mickyholic555  
656 followers


全く同感 QT>このアユの汚染マップを見ると、やはり日本の国土の30%は長期的には放棄するしか無いだろう。これが現実。大飯を止めて、他も二度と稼働させないのが当然だろう <http://t.co/ScOWE> ... 図3 拡大版: <http://t.co/vuYCrmtUsE>

26-May-2013

 @elitwindmw


#大拡散希望 @Lulu\_\_19さんより 放射能データ 政府 「とても国民には公表できない」 <http://t.co/jHRksWCpGL> <http://t.co/ScjromcXXy> <http://t.co/dF5zTsPAJV>

23-Aug-2013

 @OA0601

東日本が封鎖される前に、西日本へ移住をして下さい。東日本は放射能で汚染されています。放射能データ 政府 「とても国民には公表できない」 <http://t.co/jKpzGcxwBp> <http://t.co/abjR71KTb3> <https://t.co/CZBCXRLba3>

23-Aug-2013

 녹색성장불가론

네이처에 의하면 도쿄포함 광범위한 지역에서 민물고기가 세슘에 오염됨. 일본 민물고기에서 발견된



## Score in context

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

[show more...](#)

## Mentioned by

- 6620 tweeters
- 70 Facebook users
- 1 news outlets
- 1 science blogs
- 1 Google+ users

## Readers on

- 9 Mendeley
- 0 CiteULike

## Track this article

- Get email updates when

## Geographical breakdown



#	Country	As %
1	JP	23%
2	US	<1%
3	ES	<1%
4	KR	<1%
5	GB	<1%
6	TW	<1%
7	AU	<1%
8	IT	<1%
9	DE	<1%
-	Other	74%

## Tweeter demographics

Type	Count	As %
Members of the public	6570	99%
Scientists	28	<1%
Practitioners (doctors, other healthcare professionals)	12	<1%





# Altmetric

## | 2013 Top 100



### Which academic research caught the public imagination in 2013?

At [Altmetric](#), we track who's saying what about academic papers. Here, we take a look back at 2013, with a review of the 100 papers that received the most attention online - and the conversations that happened around them.

You can find out more about how we collect data and put this list together on [our blog](#).



Overview of active cesium contamination of freshwater fish in Fukushima and Eastern Japan

Scientific Reports **OPEN ACCESS**

#1

[See Altmetric report](#)



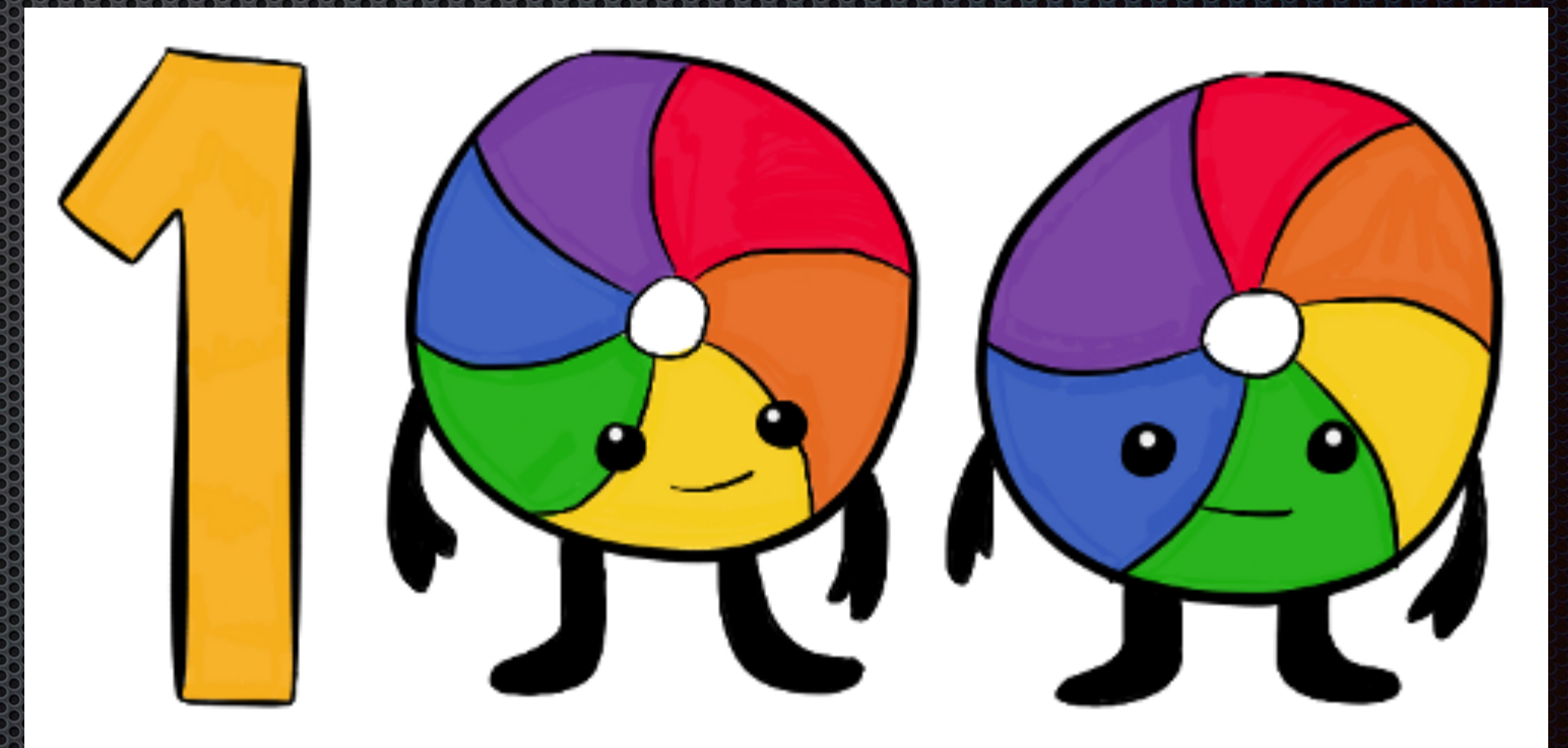
Primary Prevention of Cardiovascular Disease with a Mediterranean Diet

#2



# Which institutions had papers in the top 100 list?

1. Harvard University
2. University of California, San Francisco
3. MIT
- ...
21. The University of Tokyo
85. Waseda University
96. Shiga University





# What is research impact?

- ✦ Journal Level Metrics
- ✦ Article Level Metrics
- ✦ Author Level Metrics
- ✦ Institution Level Metrics





# What is research impact?

- ✦ Journal Level Metrics
- ✦ **Article Level Metrics**
- ✦ Author Level Metrics
- ✦ Institution Level Metrics





altmetrics

- measuring research impact on the web



## Most widely known by researchers

Scopus

Impact Factor (n=2,520)\*

82%

H-Index (n=1,335)

43%

Journal Usage Factor (n=309)

10%

Altmetrics (n=41)\*

1%



Impact Factor is published by Thomson Reuters, Altmetrics were least well known



# altmetrics

1. About altmetrics
2. altmetrics tools
3. Case studies of altmetrics
4. Potential of altmetrics



# altmetrics

- 1. About altmetrics**
2. altmetrics tools
3. Case studies of altmetrics
4. Potential of altmetrics



# 1. About altmetrics

A. altmetricsとは

B. なぜいまaltmetricsか



# 1-A. altmetricsとは

- altmetrics = alternative metric
- altmetrics is the creation and study of new metrics based on the Social Web for analyzing, and informing scholarship.

*J. Priem, D. Taraborelli, P. Groth, C. Neylon (2010), Altmetrics: A manifesto, (v.1.0), 26 October 2010. <http://altmetrics.org/manifesto>*



- ソーシャルメディア等における研究成果への反応をリアルタイムで収集し、そのインパクトを定量的に表示する新しい研究評価指標
- 引用等の従来の指標を補完する働きを期待されている

*Introduction to altmetrics and implementing an altmetrics service into the Okayama University Science Achievement Repository*  
*by Hayahiko Ozono, Working at Okayama University on Nov 01, 2013*



# Impact

  
**usage**

downloads  
views

  
**peer-review**

expert opinion

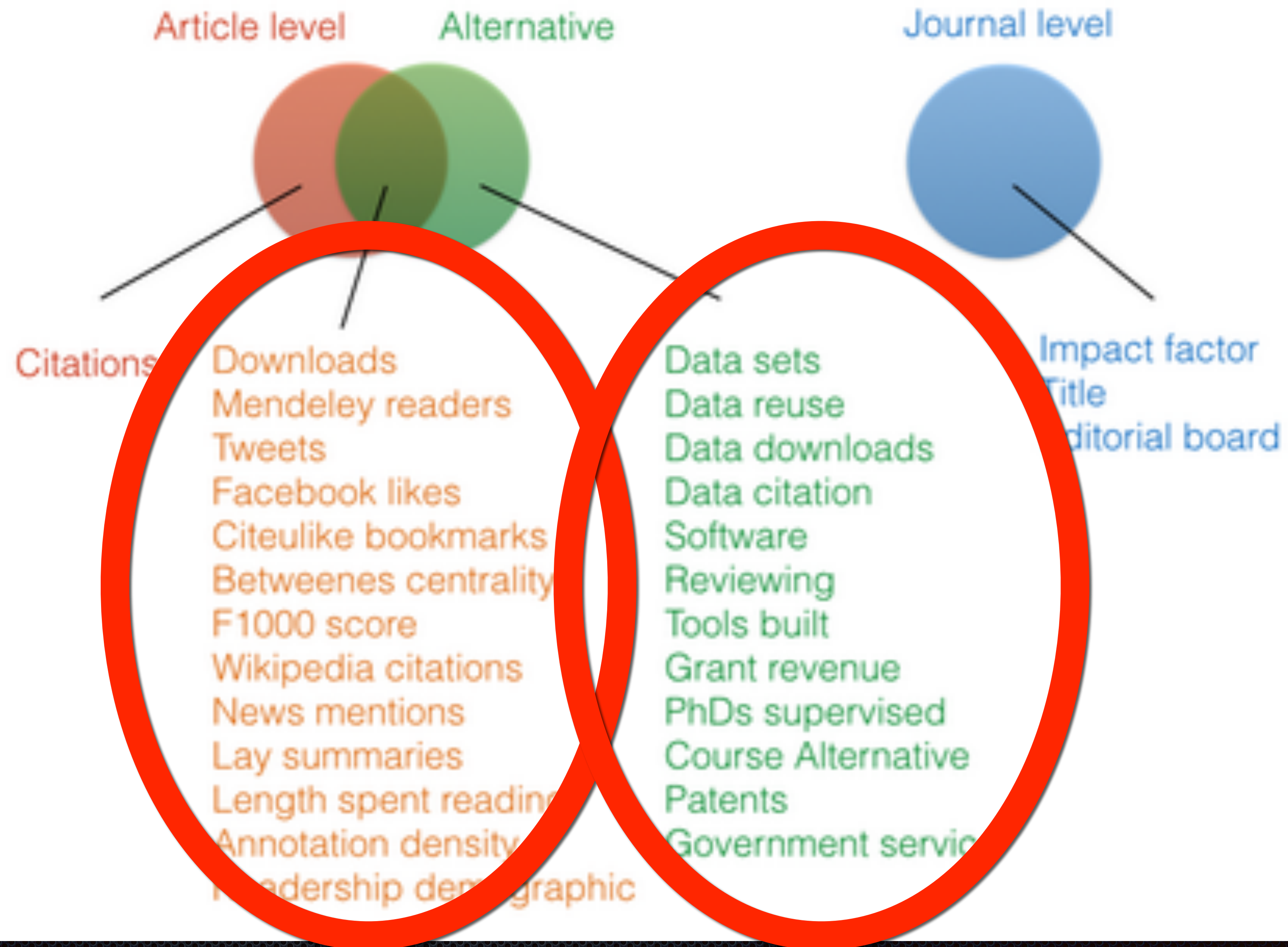
  
**citations**

  
**alt-metrics**

storage  
links  
bookmarks  
conversations

Altmetrics: complement or replacement of bibliometrics?  
Complement of bibliometric indicators





the relationship between altmetrics, article level metrics and journal level metrics





Article-level metrics used by PLOS in August 2013 and their categories.  
Taken from (Lin & Fenner, 2013) with permission by the authors.



	Scholars	Public
Discussed	science blogs, journal comments	Blogs, Twitter, Facebook, etc.
Recommended	Citations by editorials, Faculty of 1000	Press release
Cited	Citations, full-text mentions	Wikipedia mentions
Waved	CiteULike, Mendelev	Delicious Facebook
Viewed	PDF downloads	HTML views

Categorizing metrics into target audiences and depth of interaction  
 (cf. ImpactStory 2012)



# Altmetricsによる新しい影響度測定の手法の特徴

- 広域・社会性

社会の評判など、専門家以外への影響度が測定可能になった

- 補完・代替性

引用以外の手法で、または、引用では測りにくい分野の専門家への影響度が把握できる

- 即時性・予測可能性

公開直後から影響度を定量的に測定でき、今後に素早く役立てられる

[林和弘 \(2013\) 「研究論文の影響度を測定する新しい動き- 論文単位で即時かつ多面的な測定を可能とするAltmetrics -」 『科学技術動向』 \(2013年3・4月号\). 科学技術政策研究所](#)



## Score in context

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

[show more...](#)

## Mentioned by

- 6620 tweeters
- 70 Facebook users
- 1 news outlets
- 1 science blogs
- 1 Google+ users

## Readers on

- 9 Mendeley
- 0 CiteULike

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-	Other	74%

広域性

## Tweeter demographics

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Practitioners (doctors, other healthcare professionals)	12	<1%

社会性





## Article metrics for:



## Overview of active cesium concentrations in freshwater fish in Fukushima area

Toshiaki Mizuno & Hideya Kubo

Scientific Reports 3, Article number: 1742 (2013) | doi:10.1038/srep01742

Last updated: 1 January 2014 10:56 EST

代替性

補完性

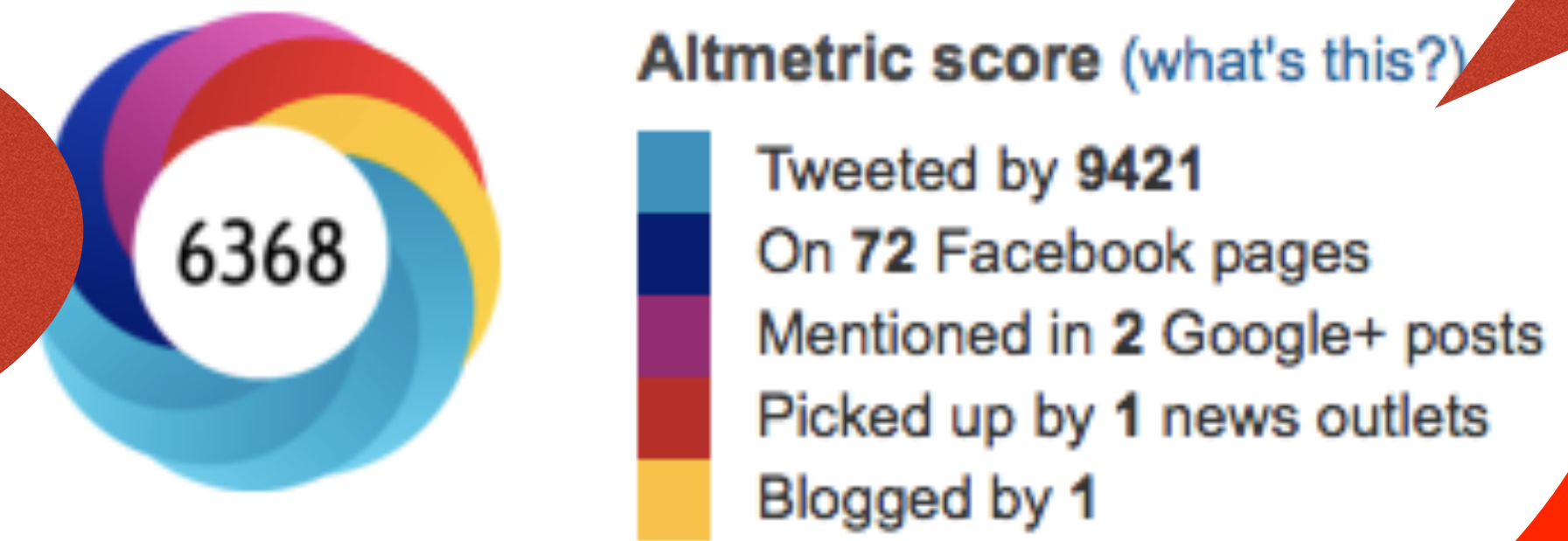
即時性

### Total citations



予測可能性

### Online attention



This Altmeter score means that the article is

- in the 99th percentile of a sample of 10,000 of the 73,485 tracked articles of a similar age in all journals
- in the 99th percentile (ranked 1st) of the 416 tracked articles of a similar age in this journal

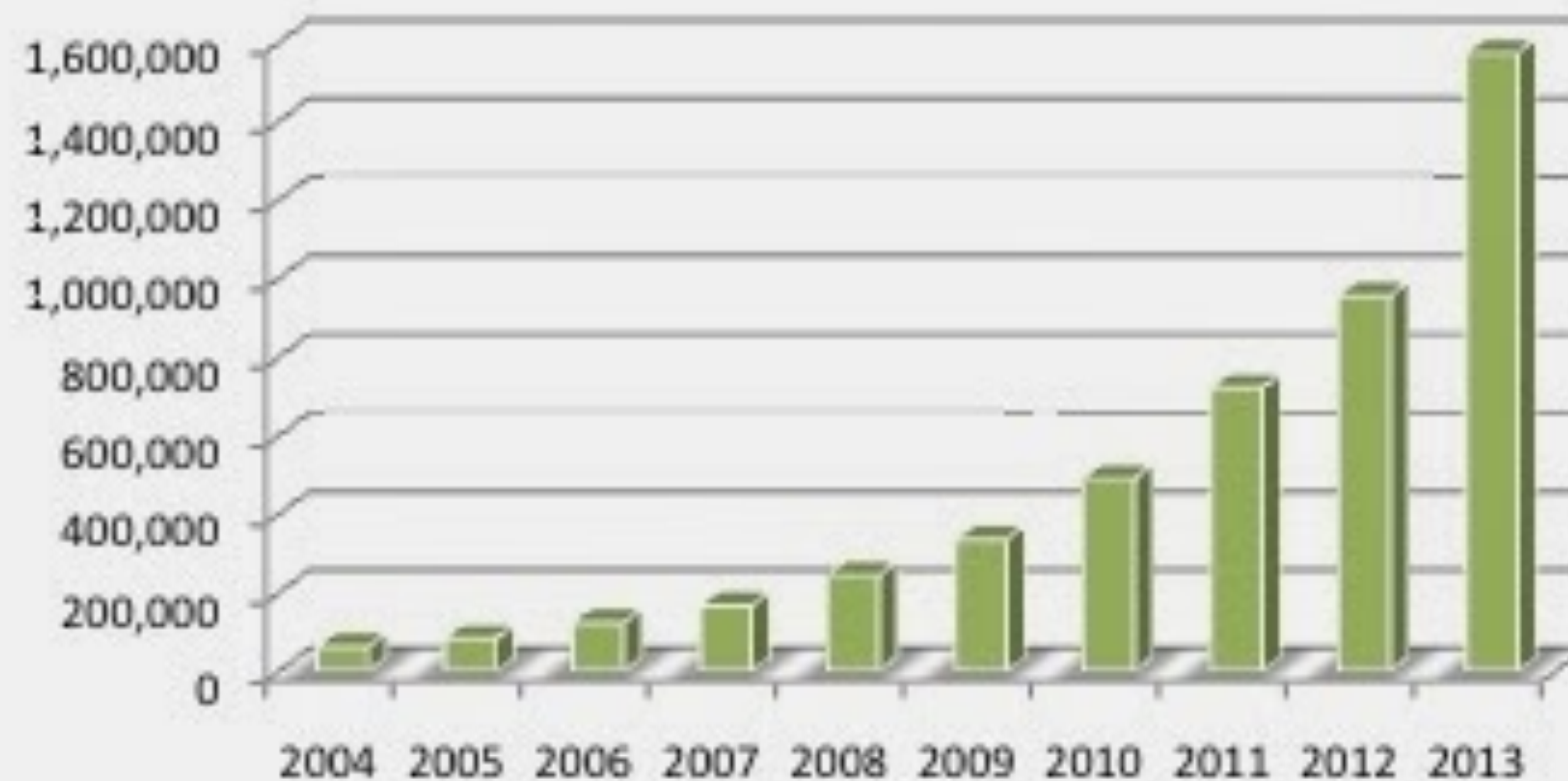


# 1-B. なぜいまaltmetricsか

- ◆ 背景
- ◆ 業界動向



## DOAJ number of searchable articles

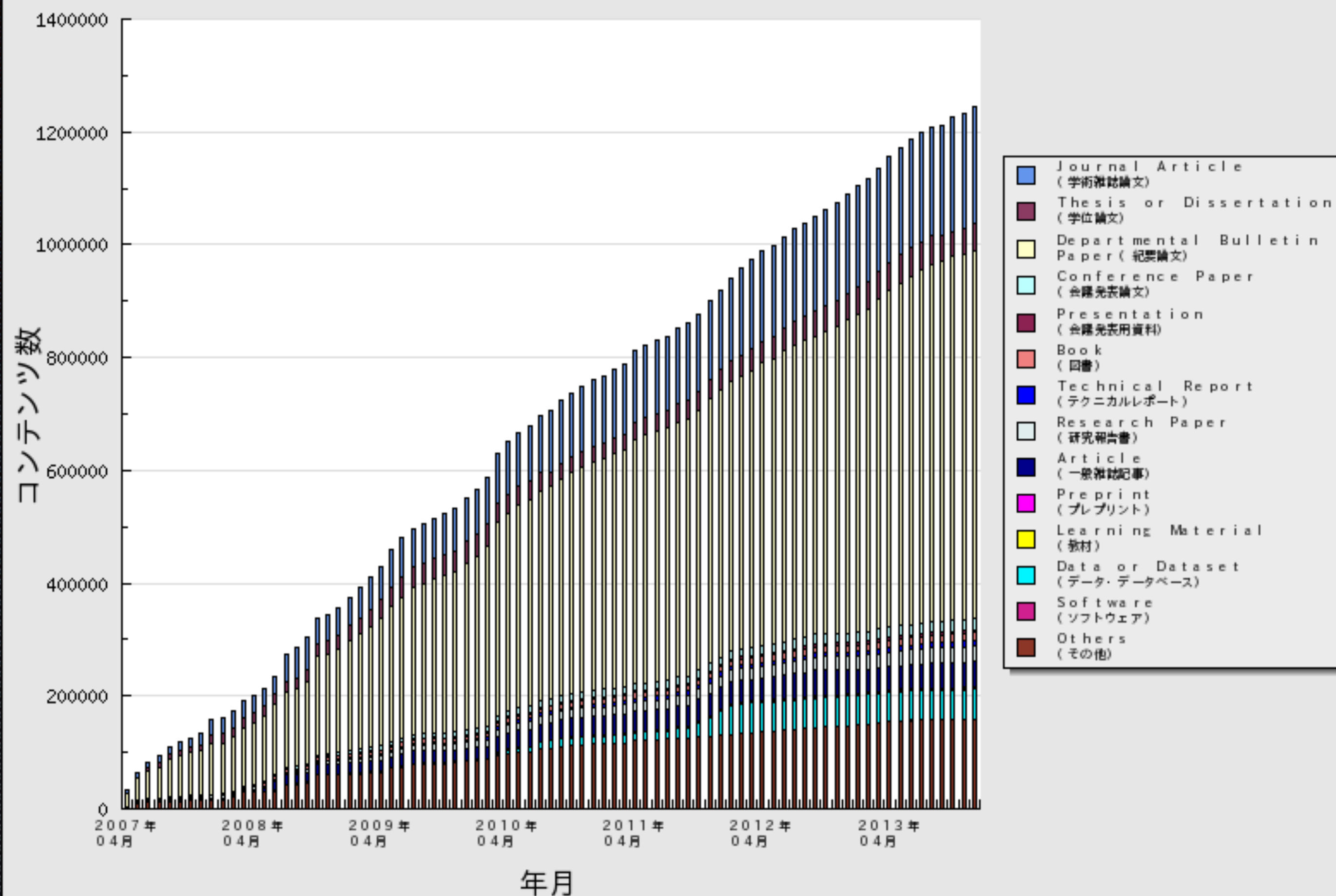


# Dramatic Growth of Open Access

The Directory of Open Access Journals continues to add titles at the remarkable rate of 3.5 journals per day, ..



IRDB 全体のコンテンツ増減 ( 本文あり )



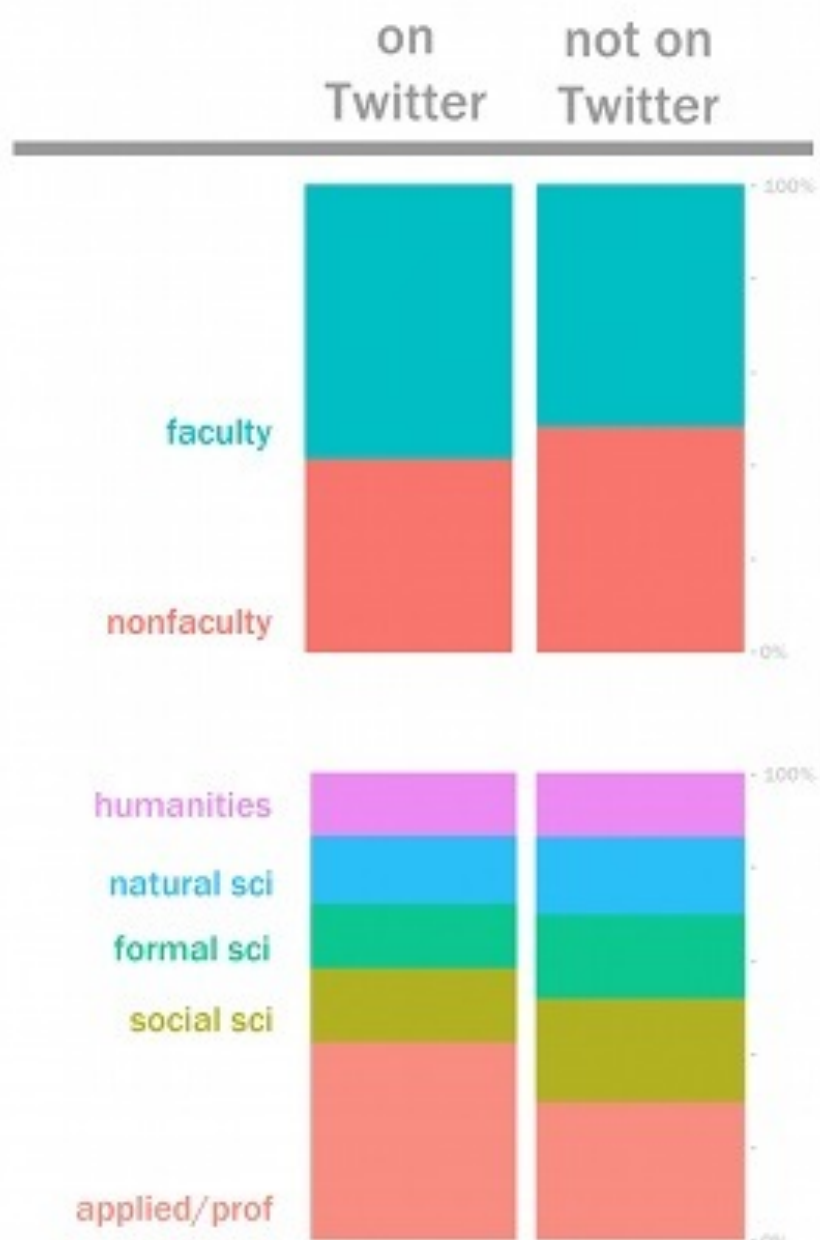
IRDB (Institutional Repositories DataBase : 学術機関リポジトリデータベース) ハーベスト機関リポジトリ数 : 321



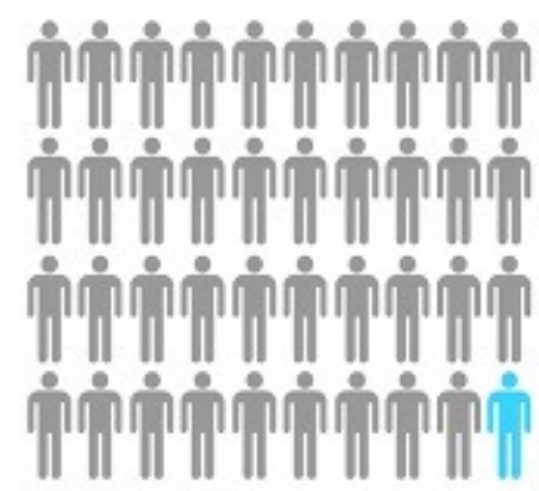
In growing numbers, scholars are moving their daily work to the Internet.



no one rank ( $\chi^2=11.2$ ,  $df=4$ ,  $p=.12$ )  
 or discipline ( $\chi^2=2.4$ ,  $df= 1$ ,  $p=.02$ )\*  
 is significantly over-represented  
 on Twitter:



**1 in 40**  
 scholars active on Twitter



**5** tweets  
 per week

percent of tweets  
 that are scholarly:  
**15%**

**method**

We selected five diverse, representative US and UK universities. Using manual searches of department web pages, we compiled a list of all the scholars (defined as fulltime faculty, postdocs, or doctoral students) at each one, yeilding a sample of 8,826.

We then used the Twitter user/search API to find Twitter user profiles that matched our scholars' names. 3,019 scholars returned more that 20 potential name matches; this "common-name group" was removed from the sample. The remaining scholars returned 17,177 Twitter accounts; around half of these had no identifying information and were discarded. For the remaining 8,038 accounts, we we used a combination of automatic scripts and manual inspection to make positive matches between scholars and accounts, considering evidence from departmental webpages and the Twitter profile fields for name, location, description, URL, username, and picture.

This gave us a list of 230 scholars with confirmed Twitter accounts; this number is certainly an undercount, since many accounts did not have enough information for a positive ID. We then returned to the Twitter API to gather all the public tweets for these users.

**scholarly Twitter  
 use is growing**

# 1 in 40 scholars active on Twitter

Priem, J., Costello, K., & Dzuba, T. (2011). Prevalence and use of Twitter among scholars.

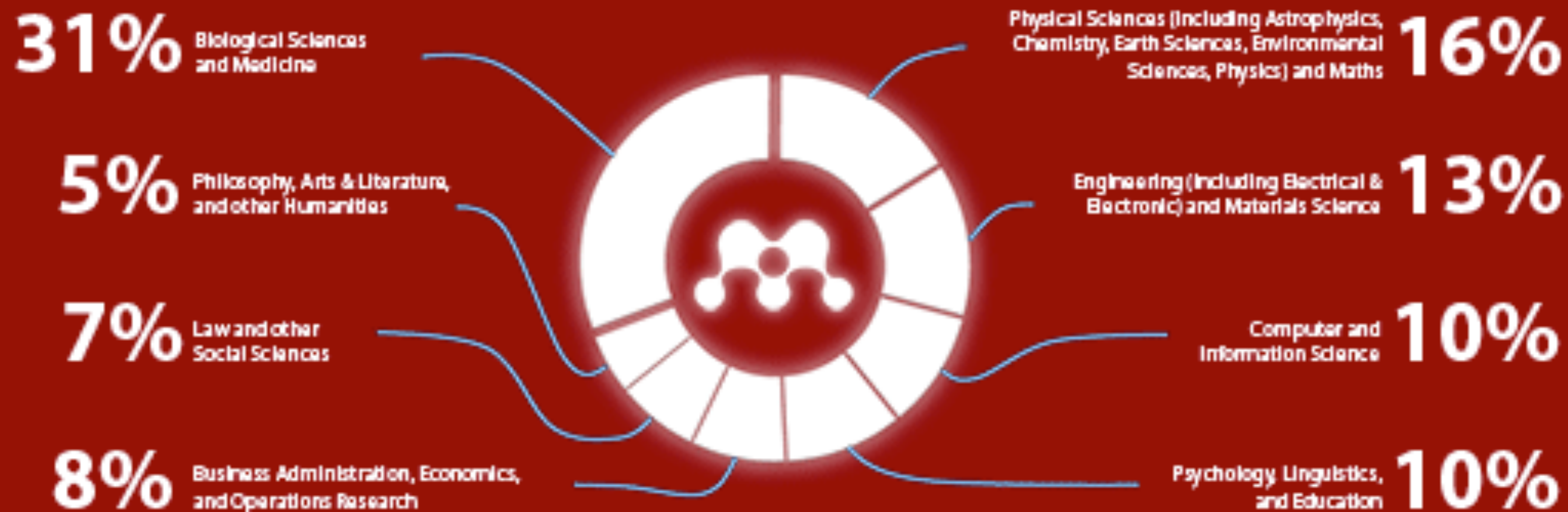




# Global Research Report

Launched in 2009, Mendeley's research collaboration platform now connects the scholarly workflows of two million researchers in the sciences and humanities worldwide. This global report is the first-ever analysis of their scholarly reading and studying activity in relation to economic indicators and research productivity.

## Mendeley's 2 Million Users by Academic Discipline





- ✦ Mendeley have 38,694 users (geolocated data based on IP address) who list Japan as their location. (2012/7/26)
- ✦ From the domain "%@%ac.jp" (incl. subdomains) we have 8,931 known users.
- ✦ Top 3 @ac.jp domains (incl. subdomains) are as follows:
  1. Tokyo University 922 (registered with "%@%u-tokyo.ac.jp")
  2. Kyoto University 824 (registered with "%@%kyoto-u.ac.jp")
  3. **Osaka** University 486 (registered with "%@%osaka-u.ac.jp")



# BOAI10 Recommendations

インパクトファクターによる  
雑誌・論文・研究者の評価に  
対する批判とそれに替わる新  
たな指標 (“alternative  
metrics”, いわゆる  
altmetrics) の開発を奨励する





**OPEN**  **International  
ACCESS WEEK**

OCTOBER 21-27, 2013

# Redefining Impact

Open Access Week 2013



# サンフランシスコ研究評価宣言

- 研究助成の採否や研究者の採用・昇進の判断材料に、IFのようなジャーナルベースの評価指標を使うのをやめる必要がある
- 研究成果の評価は、論文がどのジャーナルに掲載されたかではなく内容的価値そのもので行われるべき
- 学術出版のオンライン化によって実現された、論文の語数・図表数・レファレンス数の不必要な制限の緩和や、重要性・インパクトの新しい評価指標の探求といった機会を活用すべき





# NISO to Develop Standards and Recommended Practices for Altmetrics

米国情報標準化機構（National Information Standards Organization、NISO）は、スローン財団からの助成を得て altmetrics に関する2年間の研究開発プロジェクトを開始





# altmetrics

1. About altmetrics
- 2. altmetrics tools**
3. Case studies of altmetrics
4. Potential of altmetrics



**scienceCaru**  
 Authors | Articles | Journals | About  
 Sign in with Twitter

**Annotating genes and genomes with DNA sequences extracted from biomedical articles**  
 Haussler M, Gerner M, Bergman C. *Bioinformatics*. 2011;27 (7):980-986  
<http://doi.org/dnj>

**Altmetrics**  
 How often this article has been read, bookmarked or blogged by others

15  
 1  
 0

**Citations**  
 How often this article has been cited by others

2  
 0  
 2

Doctors make better decisions

**...ity for cancer survivors:  
of randomised controlled**

g/10.1136/bmj.e70 (Published 31 January 2012)

professor<sup>1</sup>, Judy W C Ho, consultant

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**Review of Neighbourhood physical activity environments and adiposity in children and mothers: a three-year longitudinal study (Timperio et al., 2010)**

**Novel approach that merits further explanation and development**  
 by Kate Thomson · 1 week ago · Recommended: Yes · Difficulty level: Intermediate · Reviewer expertise: Intermediate

This paper was discussed by Public Health Twitter Journal Club in November 2011. A full summary of the discussion and transcript can be accessed here: <http://phwtwjc.wordpress.com/2011/11/29/phwtwjc-7-neighbourhood-enviro...>

The study presents objectively measured neighbourhood characteristics, focusing on criteria such as 'walkability'. Data relate to 'natural' neighbourhoods measured by proximity to participants' homes, rather than official boundaries. Both these aspects are unusual in the literature on health and place, and offer interesting analytic potential.

The choice of adiposity measure - BMI and z-score - could have been discussed more fully. BMI is not now universally accepted as the best measure; and z-scores and their interpretation merit further explanation for non-specialists to make sense of the data presented.

The paper reports on part of a wider study, and the (rather inconclusive) findings would be best read in conjunction with published papers from other elements of the study. In places, the lack of context from the further findings leaves the reader rather short-changed.

Overall, though, an interesting experiment in correlating physical neighbourhood characteristics with obesity in different age groups.

**References ★★★★★ Originality ★★★★★ Argumentation ★★★★★ Readability ★★★★★**

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**MODELING STABILIZING SELECTION: EXPANDING THE ORNSTEIN-UHLENBECK MODEL OF ADAPTIVE EVOLUTION**  
 (2012) Beaulieu, Jhaeng, Boettiger et al. *Evolution*

**IS YOUR PHYLOGENY INFORMATIVE? MEASURING THE POWER OF COMPARATIVE METHODS**  
 (2) Boettiger, Coop, Ralph

**Identifying limits to detection of early warning for critical transitions**  
 (2) Boettiger, Hastings *Journal of The Royal Society Interface*

**Shape, Multiplicity, and Evolution of Superclusters in  $\Lambda$ CDM Cosmology**  
 (4) Wang, Higson, Boettiger et al. *Astrophysical Journal*

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**DUNCAN J WATTS**

**145** Collective dynamics of 'small-world' networks.

DUNCAN J WATTS | STEPHEN H STROGATZ

Nature (393) Nature Publishing Group, 1998

[PMID: 9439961](#) [DOI: 10.1038/393044a](#)

Networks of coupled dynamical systems have been used to model biological oscillators, Josephson junction arrays, excitable media, neural networks, spatial games, genetic control networks and many other self-organizing systems. Ordinarily, the connection topology is assumed to be either completely regular or completely random. But many biological, technological and social networks lie somewhere between these two extremes. Here we explore single models of networks that can be tuned through this middle ground: regular networks 'rewired' to introduce increasing amounts of disorder. We find that these systems can be highly clustered, like regular lattices, yet have small characteristic path lengths, like random graphs. We call them 'small-world' networks, by analogy with the small-world phenomenon (popularly known as six degrees of separation). The neural network of the worm *Caenorhabditis elegans*, the power grid of the western United States, and the collaboration graph of film actors are shown to be small-world networks. Models of dynamical systems with small-world coupling display enhanced signal-propagation speed, computational power, and synchronizability. In particular, infectious diseases spread more easily in small-world networks than in regular lattices.

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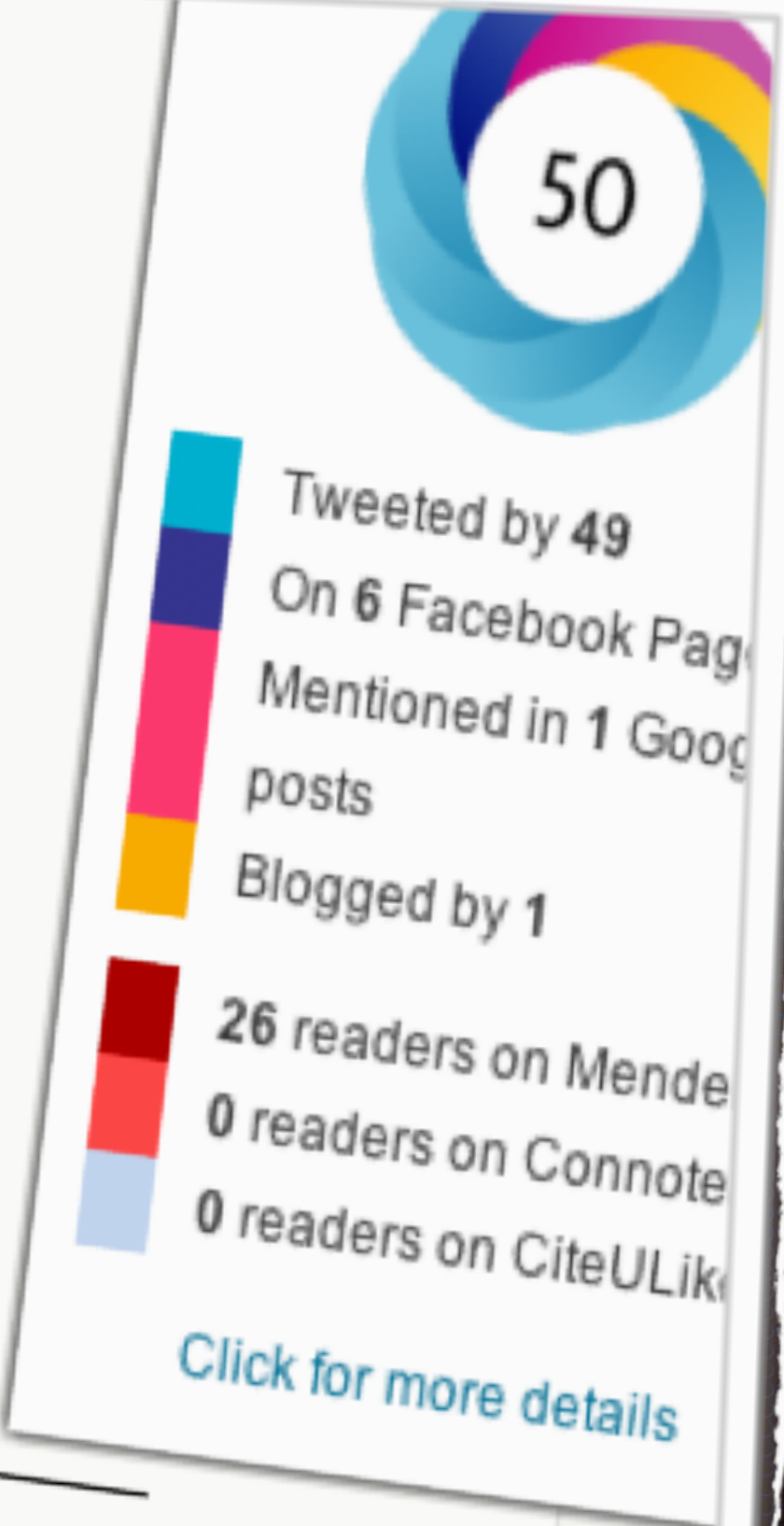
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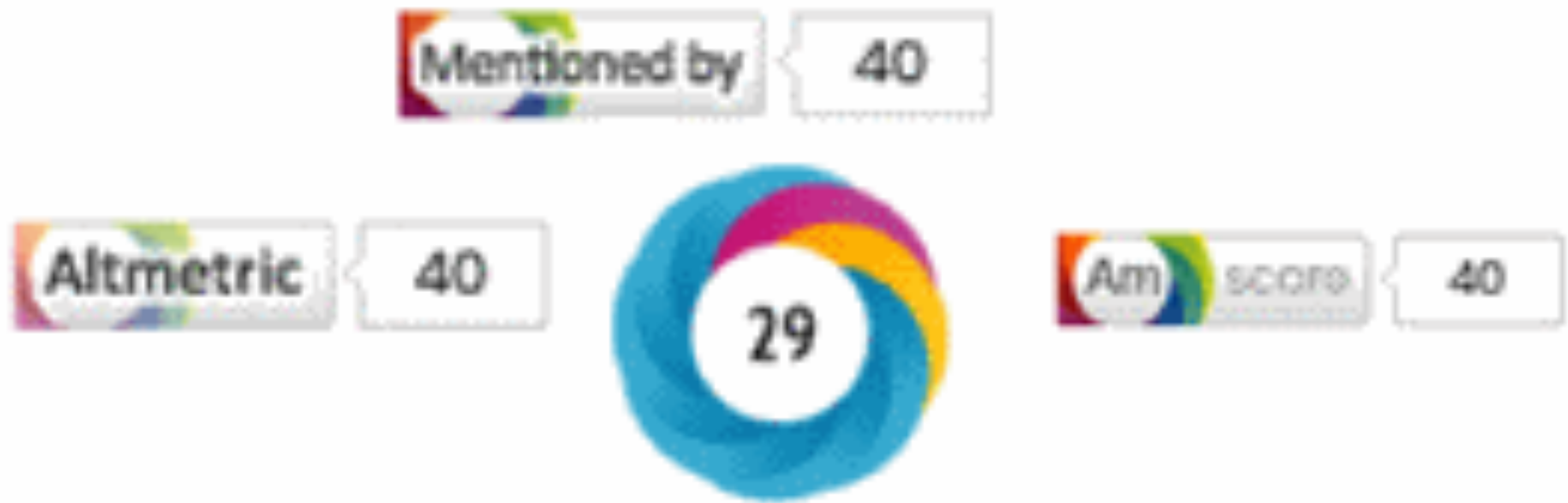


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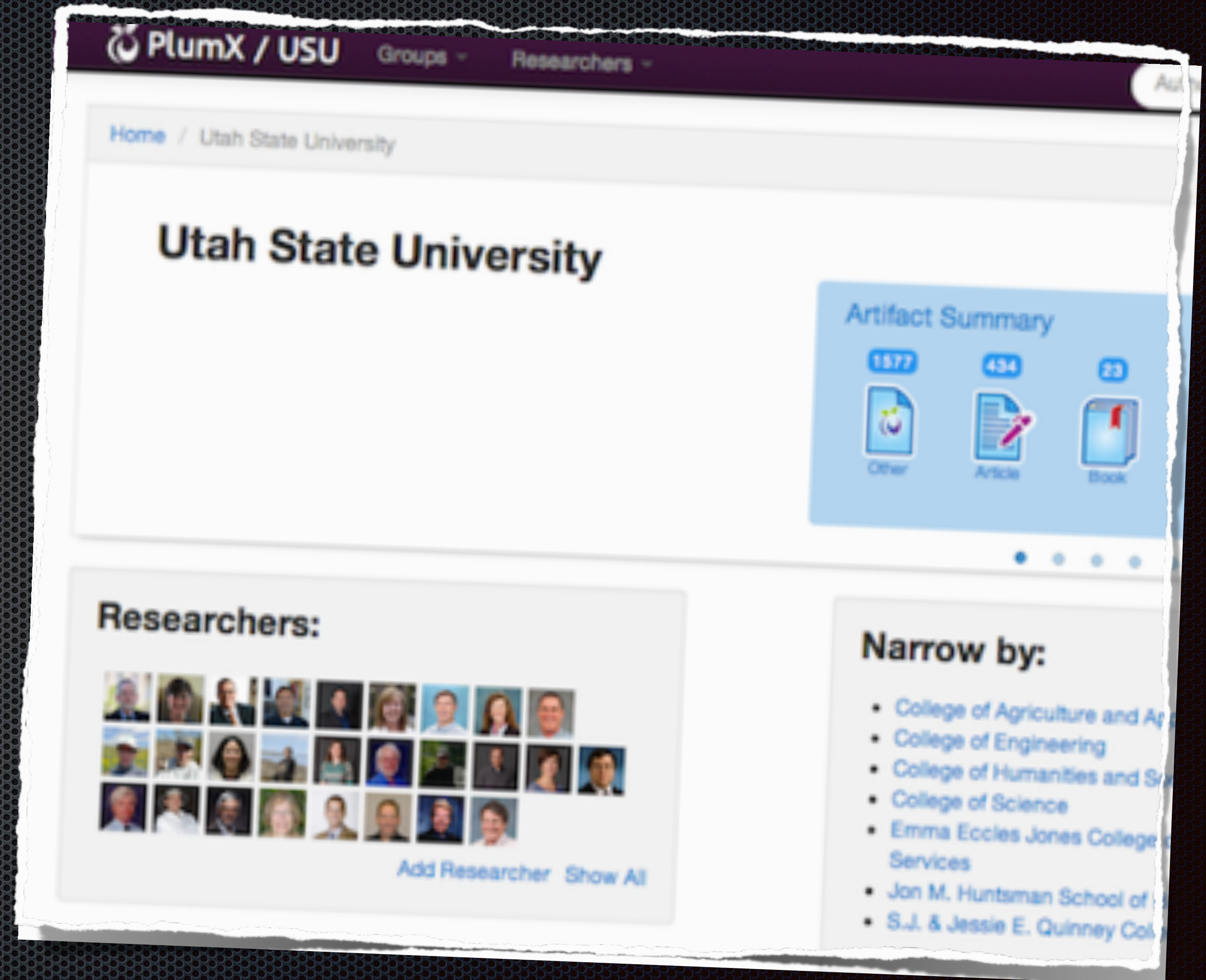
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 **New Sea Turtle from the Miocene of Peru and the Iterative Evolution of Feeding Ecomorphologies since the Cretaceous**  
Author(s): James F. Parham, Nicholas D. Pyenson  
ISSN: 0022-3360, 2010, Vol: 84, Issue 2, 231-247 pages.

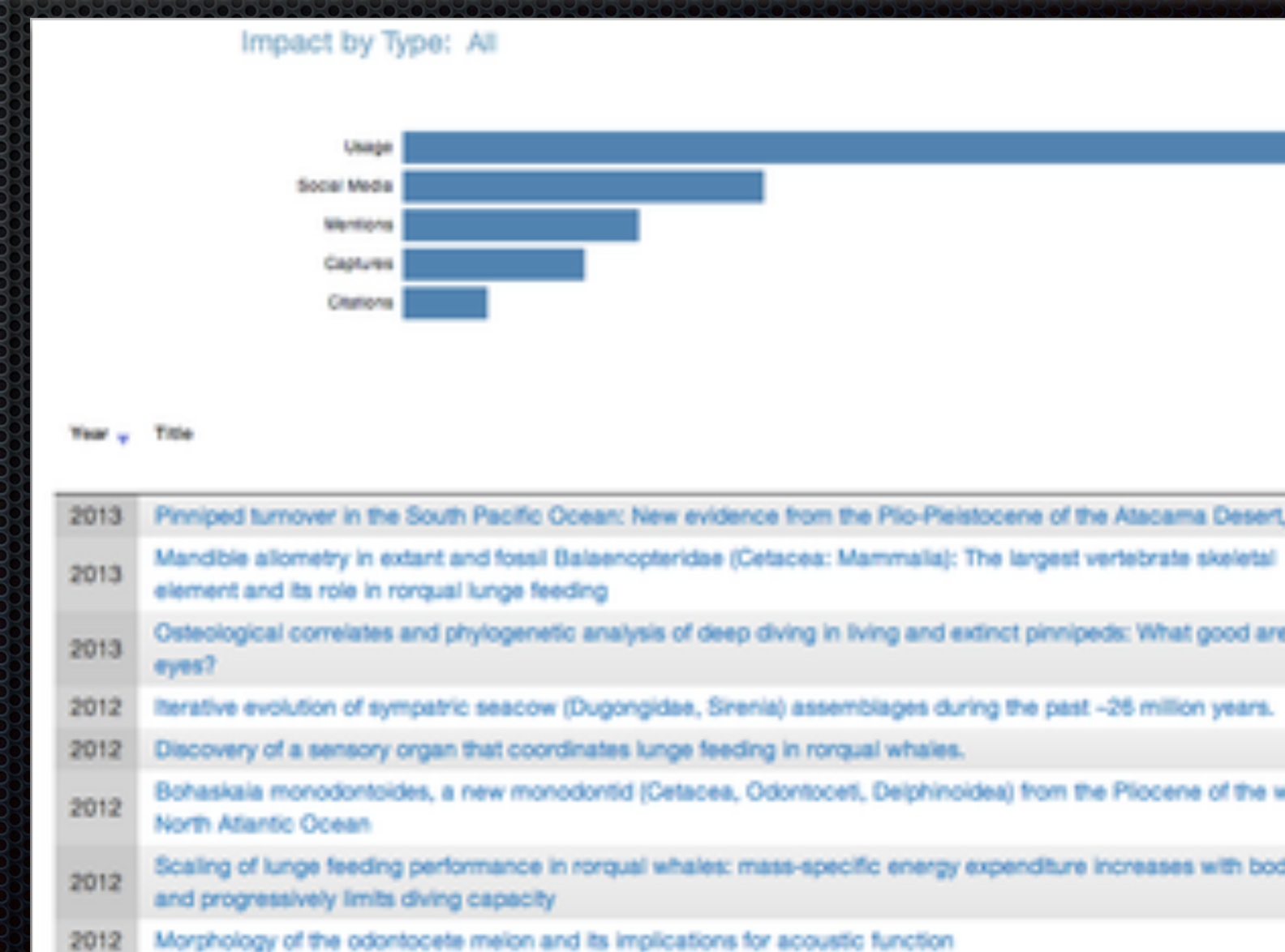
 **Diversity estimates, biases, and historiographic effects: Resolving cetacean diversity in the tertiary**  
Author(s): M. D. Uhen, Nicholas D. Pyenson  
ISSN: 1094-8074, 2007, Vol: 10, Issue 2, 11A-11A pages.

 **What happened to gray whales during the Pleistocene? The ecological impact of sea-level change on benthic feeding areas in the North Pacific Ocean.**  
Author(s): Nicholas D. Pyenson, David R. Lindberg  
PLoS One, ISSN: 1932-6203, 2011, Vol: 6, Issue 7, DOI: 10.1371/journal.pone.0021295, e21295 pages.

 **Reconstructing body size in extinct crown Cetacea (Neoceti) using allometry, phylogenetic methods and tests from the fossil record**  
Author(s): Nicholas D. Pyenson, Simon N. Sponberg  
Journal of Mammalian Evolution, ISSN: 1064-7554, 2011, Vol: 18, Issue 4, DOI: 10.1007/s10914-011-9170-1, 269-288 pages.

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**Table 2: Comparison of Altmetric.com, ImpactStory and Plum Analytics**

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Known limitations	Calculation of Altmetric score not transparent	IDs can miss artefacts Artefacts miss metrics Metrics can be too low	Paid service
Open to bug feedback	✓	✓	✓
News outlets	✓		
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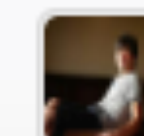
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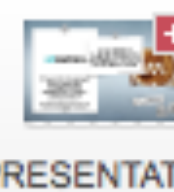
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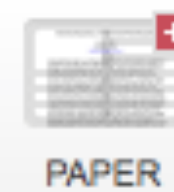

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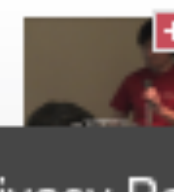
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- Readership data is made available via the **Mendeley API**





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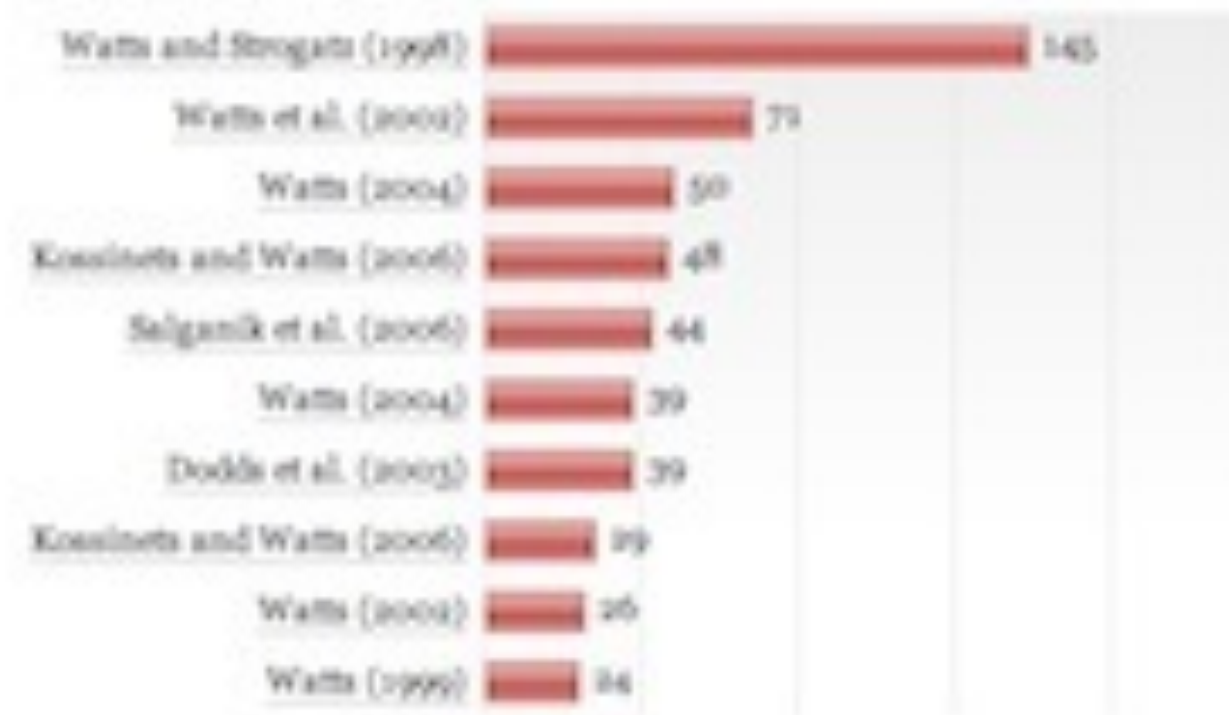
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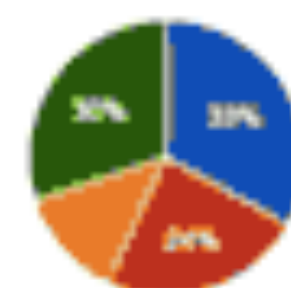
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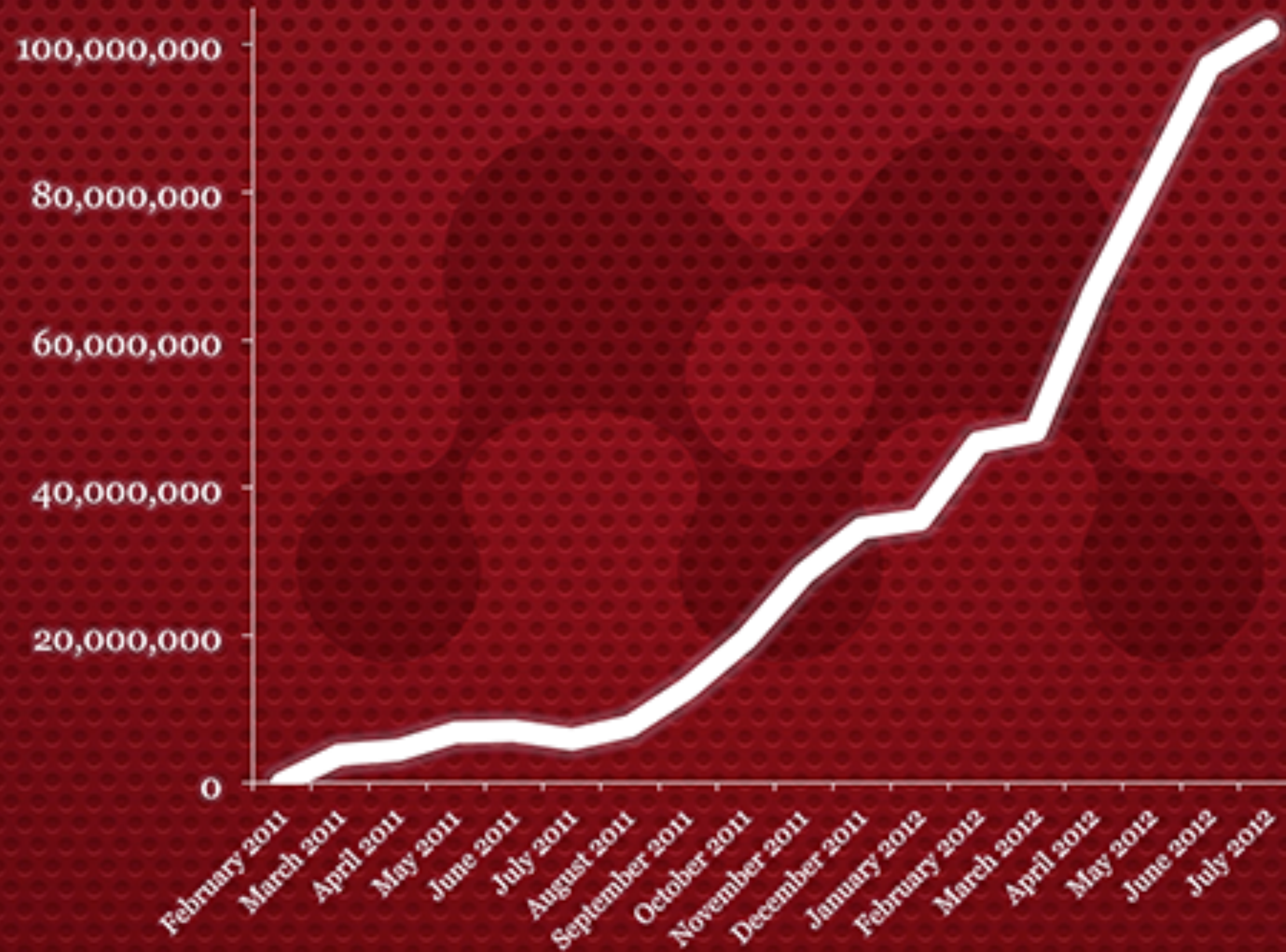




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A new specimen of the Early Cretaceous bird *Hongshanornis longicrus* and its aerodynamics and ornithuromorph

**Luis M. Chiappe**<sup>1</sup>, **Bo Zhao**<sup>2</sup>, **Michael Habib**<sup>5</sup>, **Jesus Marugan**

Author and article information

Abstract

The discovery of *Hongshanornis longicrus*, an unusually long hindlimb propodactylid related species, *Longicrusavis* forming the Hongshanornithidae, represents an early diversity and morphological transition that connects all living birds. Here we refer to *Hongshanornis longicrus* to better understand the morphological evolution of this species, as well as the taxonomic implications of the well-preserved wings and feet.

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related species, *Longicrusavis houi* and *Parahongshanornis chaoyangensis*. Together forming the Hongshanornithidae, these species reveal important information about the early diversity and morphological specialization of ornithuromorphs, the clade that contains all living birds. Here we report on a new specimen (DNHM D2945/6) referable to *Hongshanornis longicresta* that contributes significant information to better understand the morphology, trophic ecology, and aerodynamics of this species, as well as the taxonomy of the Hongshanornithidae. Most notable are the well-preserved wings and feathered tail of DNHM D2945/6, which afford an accurate

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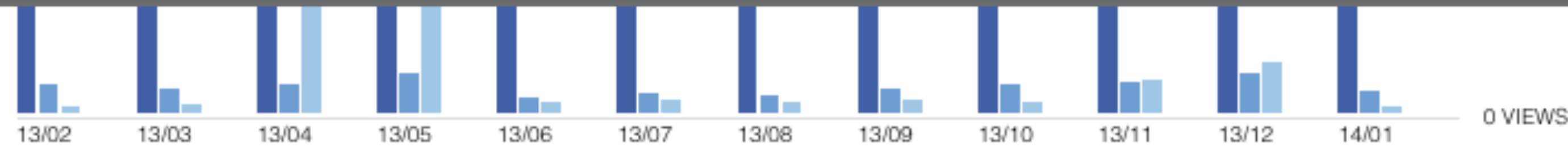
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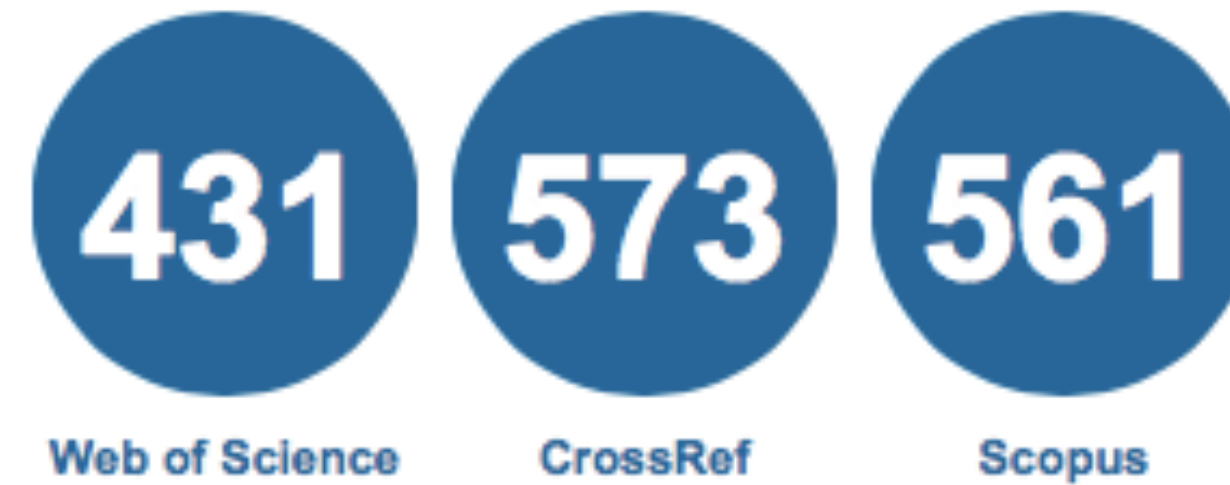
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Roberto Danovaro<sup>\*</sup>, Antonio Dell'Anno, Antonio Pusceddu, Cristina Gambi, Iben Heiner and R. Kristensen

\* Corresponding author: Roberto Danovaro [r.danovaro@univpm.it](mailto:r.danovaro@univpm.it)

*BMC Biology* 2010, **8**:30    doi:10.1186/1741-7007-8-30

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ADVANCE

Communication

Magnetically Engineered Microcapsules as Intracellular Control Over Cellular Mobility

Anton M. Pavlov<sup>3</sup>, Bruno G. De Geest<sup>2,\*</sup>, Benoit Louage<sup>5</sup>, Lien Lybaert<sup>5</sup>, Stefaan De Koker<sup>5,6</sup>, Zdenek Koudelka<sup>3</sup>, Andrei Sapelkin<sup>4</sup>, Gleb B. Sukhorukov<sup>1,\*</sup>

Article first published online: 12 SEP 2013

DOI: 10.1002/adma.201303287

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Issue



Am score 1

Tweeted by 1

4 readers on Mendeley

0 readers on CiteULike

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Wiley  
[altmetric.com](http://altmetric.com)



# Cambridge Journals Online

[altmetric.com](http://altmetric.com)

The screenshot shows the Cambridge Journals Online website. At the top, the Cambridge Journals logo is visible. A navigation bar includes links for About Us, News, Browse Journals, Authors, Societies, Librarians, Agents, Users, and Corporate. A search bar is present with a dropdown menu set to 'All Journal Articles and Book Content'. A red banner contains a service announcement regarding browser compatibility. The main content area features the journal title 'DU BOIS REVIEW' and subtitle 'SOCIAL SCIENCE RESEARCH ON RACE'. A breadcrumb trail shows the path: Home > Du Bois Review: Social Science Research on Race > Volume 9 > Issue 02 > Hierarchy. A 'Welcome to Cambridge Journals Online' message prompts users to log in or register. A 'Register for an Account' button is provided. Social media icons for Facebook, Twitter, Mendeley, and Email are shown, along with a '+1' button. A sidebar menu on the left lists 'ARTICLE AUTHOR QUERY', 'JOURNAL INFORMATION', 'JOURNAL MENU', and 'ARTICLE MENU'. The main article section displays the title 'Du Bois Review: Social Science Research on Race', volume and issue information, and a table of contents. An Altmetric widget is overlaid on the page, showing social media metrics: 13 tweets, 2 Facebook likes, 2 Mendeley readers, and 0 CiteULike readers. A red circle highlights the Altmetric widget.

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## DU BOIS REVIEW

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Home > Du Bois Review: Social Science Research on Race > Volume 9 > Issue 02 > Hierarchy

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### Du Bois Review: Social Science Research on Race

Du Bois Review: Social Science Research on Race / Volume 9 / Issue 02 / Fall 2012 pp 267-279  
Copyright © W.E.B. Du Bois Institute for African and African American Research 2012  
DOI: <http://dx.doi.org/10.1017/S1742058X12000000> (about DOI),  
Published online: 15 November 2012

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State of the Discipline

**"Whitening" and the Challenge of Race**

Herbert J. Gans

Department of Sociology, Columbia University

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# American Mathematical Society

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The screenshot shows the header of the American Mathematical Society Journal website. On the left, there are icons for 'MOBILE ACCESS' (a smartphone) and 'open access' (a padlock). Next to these is a small image of the journal cover. The main title 'JOURNAL OF THE AMERICAN MATHEMATICAL SOCIETY' is prominently displayed in a large serif font. To the right, a navigation menu lists: Journals Home, Search, Author Info, Subscribe, Tech Support, My Subscriptions, Browser Compati, and Help. Below the title, the ISSN numbers are provided: ISSN 1088-6834(online) and ISSN 0894-0347(print). A horizontal bar contains links for 'Most recent issue | All issues (1988–Present)' and 'Articles in press | Recently posted articles'. At the bottom right, there are social media icons for Facebook, Twitter, Google+, LinkedIn, and Email, followed by an Altmetric icon and the number '11', which is circled in red.

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OF THE

JOURNAL

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Articles in press | Recently posted articles

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# National Academy of Sciences

[altmetric.com](http://altmetric.com)

Early Edition > Lauri Nummenmaa, doi: 10.1073/pnas.1321664111




## Bodily maps of emotions

Lauri Nummenmaa<sup>a,b,c,1</sup>, Enrico Glerean<sup>a</sup>, Riitta Hari<sup>b,1</sup>, and Jari K. Hietanen<sup>d</sup>

Author Affiliations 

Contributed by Riitta Hari, November 27, 2013 (sent for review June 11, 2013)

Abstract Authors & Info SI Metrics 

### Online Impact



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- Tweeted by 583
- Blogged by 13
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- Mentioned in 32 Google+ posts
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- Reddited by 2
- On 1 videos
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# 3. Case studies of altmetrics

- 學術出版社
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- 研究者



# PlumX

demo.plumx.com/search/?q=pyenson

PLUMX Groups - Researchers - Pyenson Search

**Nicholas D. Pyenson**  
Curator of Fossil Marine Mammals

**New Sea Turtle from the Miocene of Peru and the Iterative Evolution of Feeding Ecomorphologies since the Cretaceous**  
Author(s): James F. Parham, Nicholas D. Pyenson  
ISSN: 0022-3360, 2010, Vol: 84, Issue: 2, 231-247 pages.

**Diversity estimates, biases, and historiographic effects: Resolving cetacean diversity in the tertiary**  
Author(s): M. D. Uhen, Nicholas D. Pyenson  
ISSN: 1094-8074, 2007, Vol: 10, Issue: 2, 11A-11A pages.

**What happened to gray whales during the Pleistocene? The ecological impact of sea-level change on benthic feeding areas in the North Pacific Ocean.**  
Author(s): Nicholas D. Pyenson, David R. Lindberg  
PLoS One, ISSN: 1932-6203, 2011, Vol: 6, Issue: 7, DOI: 10.1371/journal.pone.0021295, e21295 pages.

**Reconstructing body size in extinct crown Cetacea (Neoceti) using allometry, phylogenetic methods and tests from the fossil record**  
Author(s): Nicholas D. Pyenson, Simon N. Sponberg  
Journal of Mammalian Evolution, ISSN: 1064-7554, 2011, Vol: 18, Issue: 4, DOI: 10.1007/s10914-011-9170-1, 269-288 pages.

**What happened to gray whales during the Pleistocene? The ecological impact of sea-level change on benthic feeding areas in the North Pacific Ocean.**  
Author(s): Nicholas D. Pyenson, David R. Lindberg

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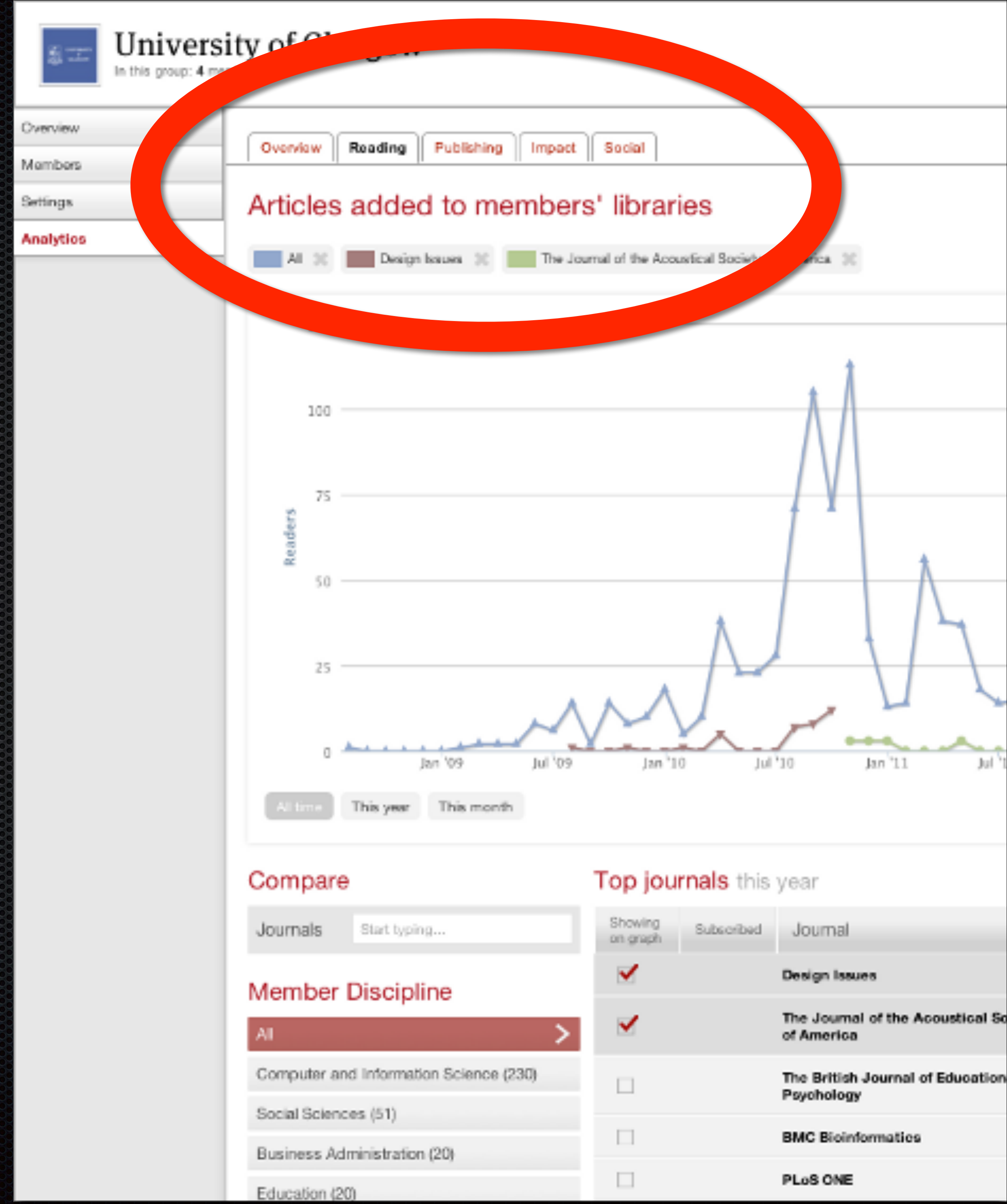
Gezari S, Chomock R, Rest A, Huber ME, Forster K, Berger E, Challis PJ, Neil JD, Martin DC, Heckman T, *et al.*  
Nature 485(7397):217-220 10 May 2012 DOI Repository public URL  
Reporting date: 10 May 2012 [Edit](#)

Journal Rankings					Citations			Altmetrics	
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### 2014

36. Stefano Iantorno\*, Kevin Gori\*, Nick Goldman, Manuel Gil, Christophe Dessimo  
*Who Watches the Watchmen? An Appraisal of Benchmarks for Multiple Sequence  
Alignment Methods* (D Russell, Editor),  
Methods in Molecular Biology, 2014, Springer Humana, Vol. 1079. [Preprint](#)



Altmetric 2  
Altmetric 8

35. Christophe Dessimoz, Nives Škunca, Paul D. Thomas  
*CAFA and the Open World of Protein Function Predictions*  
Trends in Genetics, 2013, 29:11 (pp. 609-610) [Full text](#)

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34. Ajay Prasad, Suchitra Suresh Kumar, Christophe Dessimoz, Vincent Jaquet, S  
Gruissem, Philip Zimmermann

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### Article



坂東, 慶太. Importance of Mendeley Readership on altmetrics based on altmetric score / altmetricsにおけるMendeley Readershipの重要性をAltmetricスコアから読み解く. 2013, 第15回図書館総合会. DOI: <http://dx.doi.org/10.6084/m9.figshare.10000000000000000000>

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altmetricsにおけるMendeley Readershipの重要性を  
Altmetricスコアから読み解く

K. BANDO<sup>1</sup>

<sup>1</sup> Digital Repository Librarian and Coordinator for Scholarly Communication, MyOpenArchive, Japan

 <http://orcid.org/0000-0003-0485-8891>

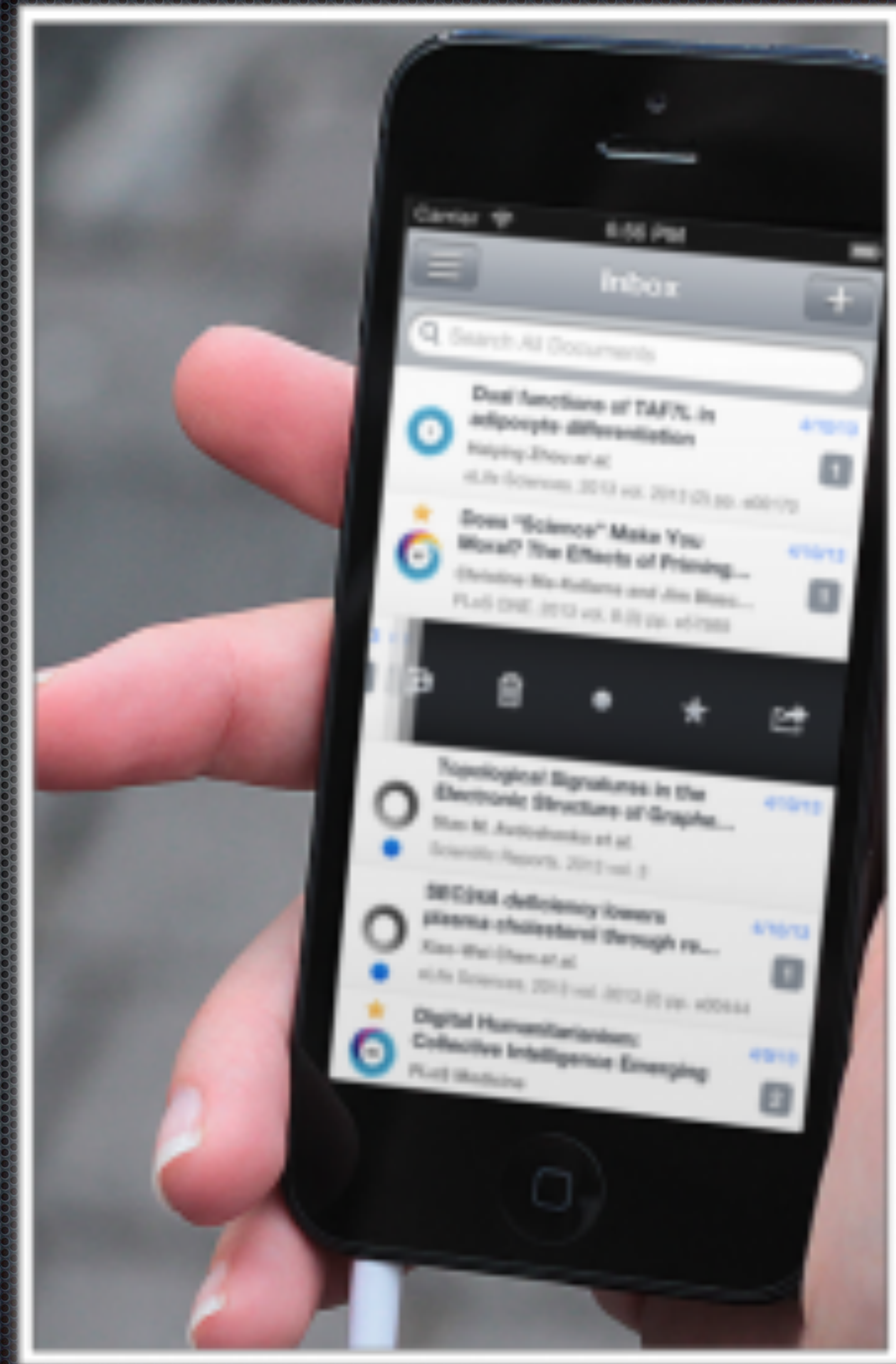
Abstract - 近年、ソーシャルメディアを活用した研究評価指数altmetricsの認識と重要性が

学術出版社のオープンアクセス誌上や研究者のCVsに導入される事例が多数あり、altmetrics



# Papership is a iPhone and iPad client for Mendeley

Papership uses the Altmetric  
API to display Altmetric  
donuts next to the article titles





# 3. Case studies of altmetrics

✦ 図書館



Scopus  
[altmetric.com](http://altmetric.com)

The image shows a screenshot of a Scopus article page. The article title is "Bridges, brokers and boundary spanners in collaborative networks: A systematic review" by Long, J.C., Cunningham, F.C., and Braithwaite, J. The article is from BMC Health Services Research, Volume 13, Issue 1, 2013, Article number 158. The abstract discusses the role of brokers and boundary spanners in collaborative networks. The page includes a search bar, navigation links, and a list of related documents. A red circle highlights the Altmetric widget in the bottom right corner, which shows that the article has been mentioned 24 times by 21 sources, including 1 Facebook user and 20 tweeters. The widget also lists saved reference managers: CitELike and Mendeley.

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BMC Health Services Research

Volume 13, Issue 1, 2013, Article number 158

Bridges, brokers and boundary spanners in collaborative networks: A systematic review [\(Review\)](#)

Long, J.C., Cunningham, F.C., Braithwaite, J.

Centre for Clinical Governance Research, Australian Institute of Health Innovation, University of New South Wales, Kensington, Australia

Abstract [View references \(59\)](#)

Background: Bridges, **brokers** and **boundary spanners** facilitate transactions and the flow of information between people or groups who either have no physical or cognitive access to one another, or alternatively, who have no basis on which to trust each other. The health care sector is a context that is rich in isolated clusters, such as sites and professional "tribes," in need of connectivity. It is a key challenge in health service management to understand, analyse and exploit the role of key agents who have the capacity to connect disparate groupings in larger systems. Methods: The empirical, peer reviewed, **network** theory literature on brokerage roles was reviewed for the years 1994 to 2011 following PRISMA guidelines. Results: The 24 articles that made up the final literature set were from a wide range of settings and contexts not just healthcare. Methods of data collection, analysis, and the ways in which **brokers** were identified varied greatly. We found four main themes addressed in the literature: identifying **brokers** and brokerage opportunities, generation and integration of innovation, knowledge brokerage, and trust. The benefits as well as the costs of brokerage roles were examined. Conclusions: **Collaborative networks** by definition, seek to bring disparate groups together so that they can work effectively and synergistically together. **Brokers** can support the controlled transfer of specialised knowledge between groups, increase cooperation by liaising with people from both sides of the gap, and improve efficiency by introducing "good ideas" from one isolated setting into another. There are significant costs to brokerage. Densely linked **networks** are more efficient at diffusing information to all their members when compared to sparsely linked groups. This means that while a bridge across a structural hole allows information to reach actors that were previously isolated, it is not the most efficient way to transfer information. **Brokers** who become the holders of, or the gatekeepers to, specialised knowledge or resources can become overwhelmed by the role and so need support in order to function optimally. © 2013 Long et al.; licensee BioMed Central Ltd.

Author keywords

Brokerage; Collaborative networks; Knowledge transfer; Social network theory; Structural holes

ISSN: 14720963 Source Type: Journal Original language: English  
DOI: 10.1186/1472-0963-13-158 Document Type: Review

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Saved to reference managers

- 0 CitELike
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10.1038/nature10135

Immunogenicity of induced pluripotent stem cells

Zhao, Tongbiao Zhang, Zhen-ning ; Rong, Zhili ; Xu, Yang

Nature, 2011 [Peer Reviewed Journal]

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-  Subject of a Research Highlight
-  2 readers on Mendeley
-  3 readers on Connotea
-  5 readers on CiteULike

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University of Massachusetts  
Medical School



## Journal of eScience Librarianship

putting the pieces together: theory and practice

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### Common Errors in Ecological Data Sharing

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**DOI**  
<http://dx.doi.org/10.7191/jeslib.2013.1024>

**Abstract**  
**Objectives:** (1) to identify common errors in data organization and metadata completeness that would preclude a "reader" from being able to interpret and reuse data for a new purpose; and (2) to develop a set of best practices derived from these common errors that would guide researchers in creating more usable data products that could be readily shared, interpreted, and used.

**Methods:** We used directed qualitative content analysis to assess and categorize and metadata errors identified by peer reviewers of data papers published in the Ecological Society of America's (ESA) Ecological Archives. Descriptive statistics

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# 機関リポジトリ

岡山大学 機関リポジトリ

OUSAR (Okayama University

Scientific Achievement

Repository)

The screenshot displays the OUSAR website interface. At the top, the header includes the university logo and the text "岡山大学学術成果リポジトリ" (Okayama University Scientific Achievement Repository). Below the header, there are navigation menus and search options. The main content area shows a research article titled "Crystal structure of oxygen-evolving photosystem II at a resolution of 1.9 Å". A prominent feature is a circular graphic with the number "52" inside, indicating a citation score. This score is highlighted with a red circle. Below the score, there is a "Score in context" section that provides a breakdown of the score's components: 3 tweeters, 1 Facebook user, 1 F1000 review, 4 news outlets, 2 science blogs, and 1 Google+ user. The article's authors and their affiliations are listed below the title. The right side of the page features social media sharing options and a list of users who mentioned the article.



# ディスカバリー サービス 札幌医科大学「PIRKA」

The screenshot displays the PIRKA (Sapporo Medical University library Integrated Retrieval & Knowledge Archival system) website. The search query is "induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined". The search results show 1,368 items from Primo Central. The top result is "Induction of Pluripotent Stem Cells from Mouse Embryonic and Adult Fibroblast Cultures by Defined Factors" by Takahashi, K., and Yamanaka, S. (2006). The article has a full-text availability status of "フルテキスト無し" (No full text). The article metrics section shows 437 citations, including 304 tweets, 25 blog posts, 11 Facebook mentions, 6 Google+ mentions, 7 news outlets, 91 readers on Mendeley, 13 readers on Connotea, and 28 readers on CiteULike. The ImpactStory section highlights the article as "highly cited", "highly saved", "highly discussed", "discussed", and "recommended". The second result is "Reprogramming somatic cells without fusion or ethical confusion".







# altmetrics

1. About altmetrics
2. altmetrics tools
3. Case studies of altmetrics
- 4. Potential of altmetrics**



# Can Tweets Predict Citations?

「Tweetは引用を予測できるか？Twitterに基づくインパクトおよび伝統的な研究評価指標との関連性」からは以下の結論が導き出された

- Tweetは、論文発表後3日以内に高被引用論文を予測できる
- Twitterは、新しく発行された学術論文を発見するためのツールの1つである
- Tweetの数は、学術的影響の重要な尺度である



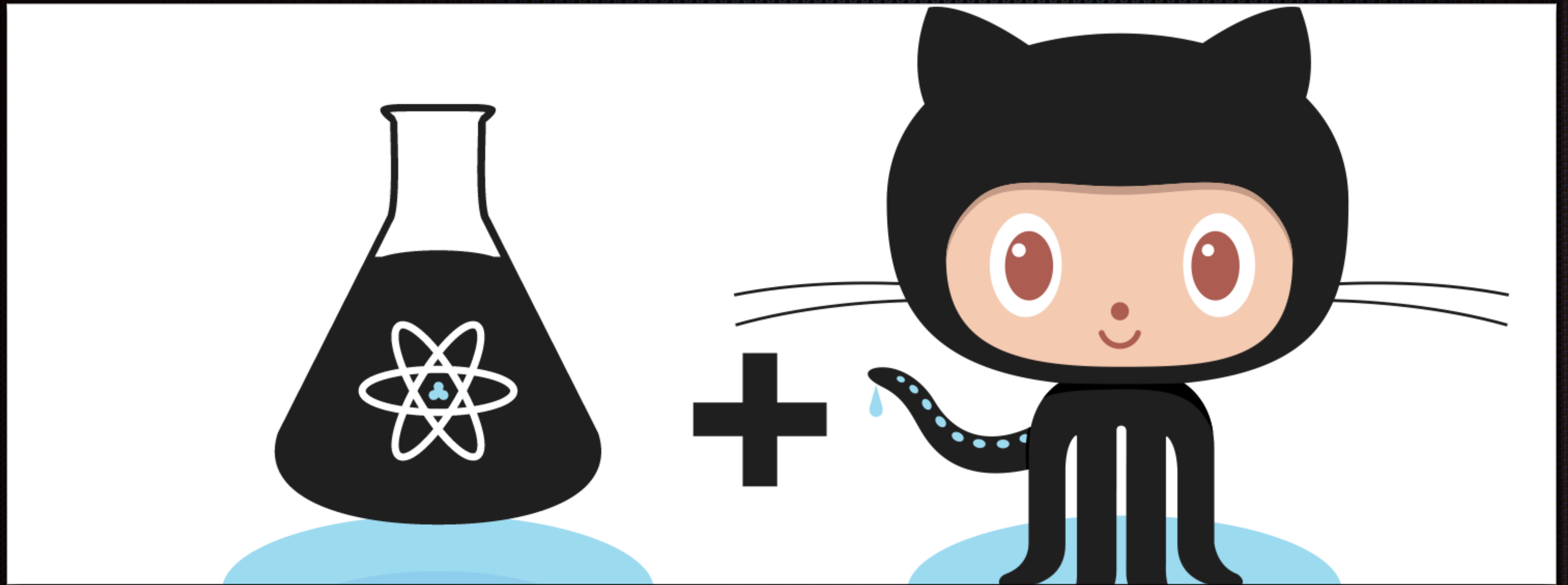


# Tweeting biomedicine: An analysis of tweets and citations in the biomedical literature

- 各論文のツイート数とWeb of Scienceでの被引用回数との相関は低い
- ある論文のツイート数が多くても、その将来の被引用回数が増えるわけではない
- ツイート数は引用の代替になるような指標ではなく、補完的な指標と考えるべき







## 3 simple things GitHub can do for science

1. Add Science Mode with ability to mint **DOIs** and prevent repository deletion,
2. Make traffic and clone stats public and accessible through the API,
3. Integrate with **ORCID**.



# DOI 重要

- デジタルオブジェクト識別子  
(Digital Object Identifier、略称 DOI) は、インターネット上のドキュメントに恒久的に与えられる識別子
- altmetricsを表示するにはDOI、PubMedID等の永続的なIDが不可欠





# ORCID 重要

- Open Researcher and Contributor ID
- 論文著者の名寄せを国際的に行う  
NPO。Elsevier, Springer, Thomsonなど  
主要出版社等、ACM, OCLC,  
Crossrefなど関係団体、Harvard, MIT  
など図書館などが参加。
- [http://orcid.org/  
0000-0003-0485-8891](http://orcid.org/0000-0003-0485-8891)





# What is research impact?

- ✦ Journal Level Metrics
- ✦ Article Level Metrics
- ✦ **Author Level Metrics**
- ✦ Institution Level Metrics





ORCID

Connecting Research  
and Researchers

Search



English

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**Martin H. Fenner** <http://orcid.org/0000-0003-1419-2405>**Also known as:**

Martin Hellmut Fenner

M Fenner

MH Fenner

**Websites:**[Blog](#)[Twitter](#)[My SciENCV](#)**Other IDs:**

ISNI: 000000035060549X

Scopus Author ID: 7006600825

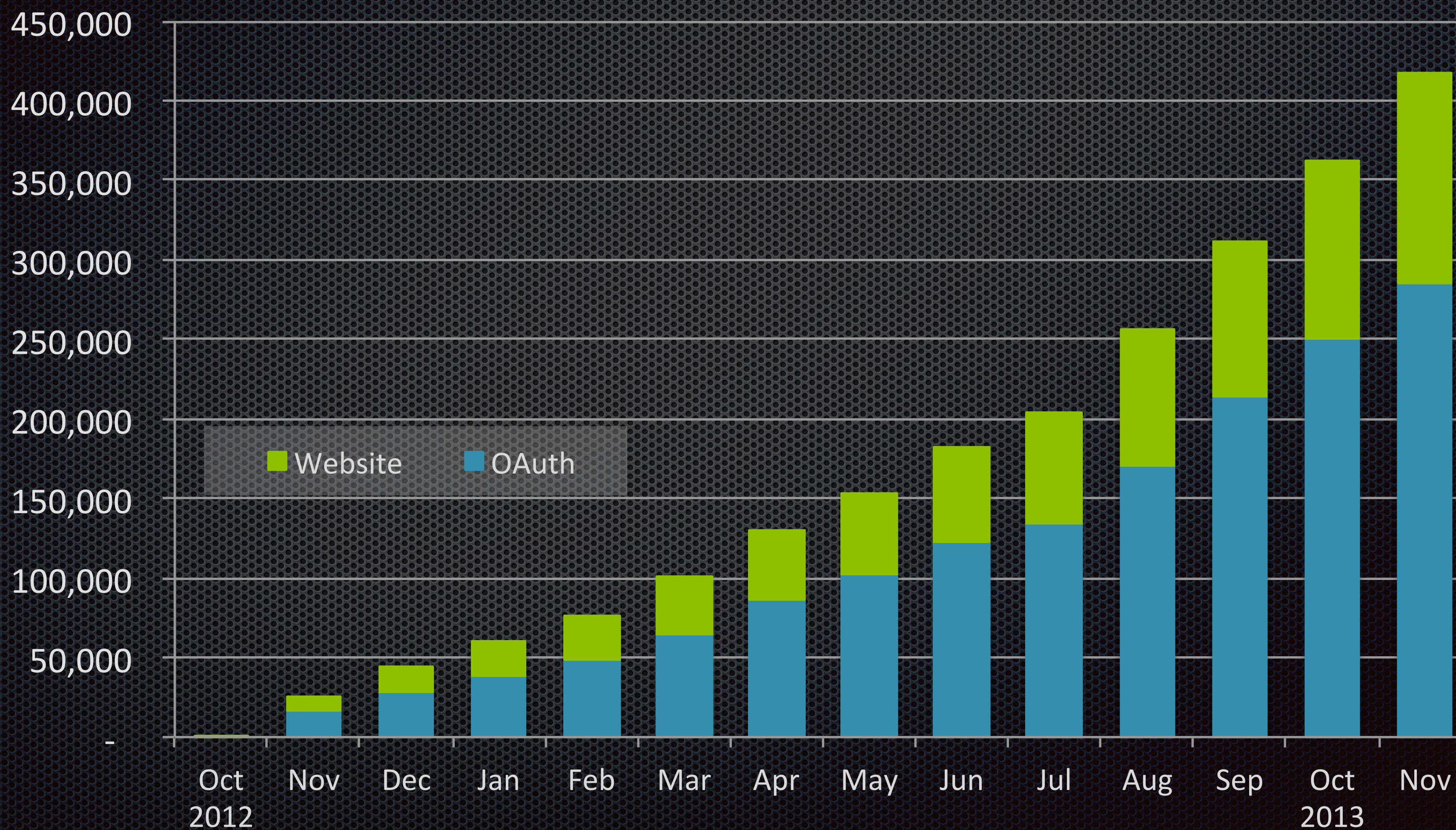
**Personal Information****Biography**

Martin Fenner has for many years worked as medical doctor and cancer researcher at the Hannover Medical School Cancer Center in Germany. In April 2012 he started contract work as technical lead for the PLOS Article-Level Metrics project.

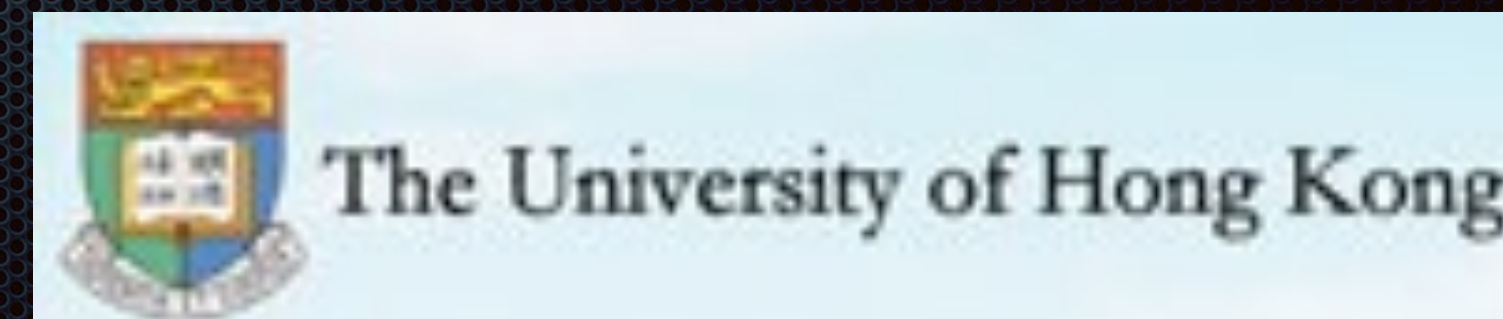
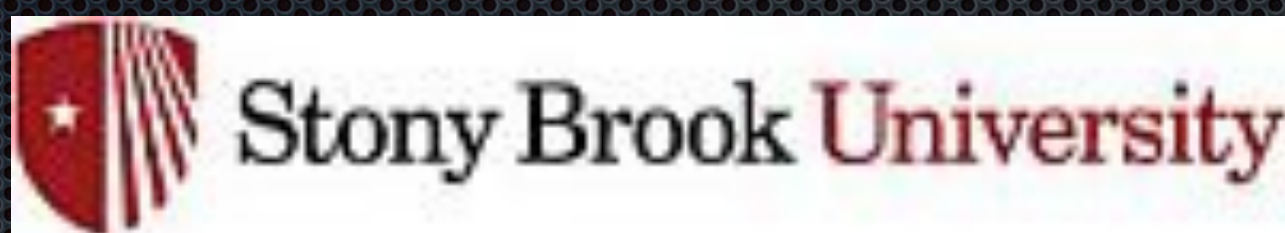
**Education****Freie Universität Berlin (10-1984 to 10-1991)**Doctor of Medicine **Employment****Public Library of Science (04-2012 to present)**Technical lead article-level metrics project (contractor) **Medizinische Hochschule Hannover (11-2005 to present)** **Charité Universitätsmedizin Berlin (09-1998 to 10-**2005) 



# ORCID has issued over 495,422 identifiers









# ORCID has 19 member university

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# IRs + ORCID

[University of Missouri and @mire are adding ORCID to DSpace](#)



# ORCID has players in the field of altmetrics



**ImpactStory.**







## Metrics + ORCID

ORCID plays nice with altmetrics.



**Works****What can article-level metrics do for you?** 10-2013

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**Publication date**

10-2013

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DOI: [10.1371/journal.pbio.1001687](https://doi.org/10.1371/journal.pbio.1001687) PMID: [24167445](https://pubmed.ncbi.nlm.nih.gov/24167445/) PMC:[PMC3805468](https://pubmed.ncbi.nlm.nih.gov/24167445/)

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<http://europepmc.org/abstract/med/24167445>

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**Altmetrics in Evolution: Defining and Redefining the  
Ontology of Article-Level Metrics:** Information Standards  
Quarterly 2013

**Article-Level Metrics Hannover Medical School** 2013

**Cumulative usage statistics for PLOS papers from  
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# What is research impact?

- ✦ Journal Level Metrics
- ✦ Article Level Metrics
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# 世界大学学術ランキング

## Academic Ranking of World Universities

- 中国の上海交通大学の高等教育研究所・世界一流大学研究センターが2003年から毎年8月に発表している総合的な大学ランキング
- トムソン・ロイター社が提供する科学論文のデータベースを元に大学の研究力を評価

Academic Ranking of World Universities - 2013 | Top 500 universities | Shanghai Ranking - 2013 | www.shanghairanking.com/ARWU2013.html

ACADEMIC RANKING OF WORLD UNIVERSITIES SINCE 2003

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2013 2012 2011 2010 2009 2008 2007 2006 2005 2004 2003

### Academic Ranking of World Universities 2013

Ranking Methodology Statistics

World Rank	Institution*	Country /Region	National Rank	Total Score	Score on Alumni
1	Harvard University	USA	1	100	100
2	Stanford University	USA	2	72.6	40
3	University of California, Berkeley	USA	3	71.3	67.8
4	Massachusetts Institute of Technology (MIT)	USA	4	71.1	68
5	University of Cambridge	UK	1	69.6	79.1
6	California Institute of Technology	USA	5	62.9	47.8
7	Princeton University	USA	6	61.9	52.9
8	Columbia University	USA	7	59.8	66.1



# THE世界大学ランキング

## World University Rankings

- イギリスの高等教育専門週刊誌『タイムズ・ハイアー・エデュケーション』が2004年から毎年秋に公表している世界の大学ランキング。
- 2010年からは「トムソン・ロイター社(Thomson Reuters :TR)」と共同でランキングを作成

The screenshot shows the website for the Times Higher Education World University Rankings 2013-2014. The page features a dark blue header with the 'THE' logo and the slogan 'EXERCISE YOUR MIND'. Below the header, there are navigation links for 'THE HOME', 'THE JOBS', 'THE AWARDS', and 'SUBSCRIBE TO THE MAGAZINE'. The main content area includes the 'THE WORLD UNIVERSITY RANKINGS' logo, powered by Thomson Reuters, and a navigation menu with 'HOME', 'RANKINGS', 'COMPARE UNIVERSITIES', 'NEWS', and 'CONTACT'. A 'YEAR' selector is set to '2013-14'. Below this, there are tabs for 'RANKINGS', 'ANALYSIS', and 'METHODOLOGY'. The 'VIEW BY' dropdown is set to 'REGION' and 'OR' is set to 'SUBJECT'. A paragraph of text explains that the rankings are powered by Thomson Reuters and are the only global university performance tables to judge world class universities across all of their core missions - teaching, research, knowledge transfer and international outlook. The top universities rankings employ 13 carefully calibrated performance indicators to provide the most comprehensive and balanced comparisons available, which are trusted by students, academics, university leaders, industry and governments. At the bottom, there is a pink bar for 'World University Rankings 2013-2014' and a row of buttons for rank ranges: '001 - 200', '201 - 225', '226 - 250', '251 - 275', '276 - 300', '301 - 350', and '351 - 400'. Below this is a table header with columns for 'Rank', 'Institution', 'Location', and 'Overall score', with a 'change criteria' link.



# QS世界大学ランキング

## QS World University Rankings

- イギリスの大学評価機関「クアクアレリ・シモンズ社(Quacquarelli Symonds :QS)」が毎年9月に公表している世界の大学のランキング。
- 2008年から、書誌・引用文献データベースは、オランダの学術出版社エルゼビア社(Elsevier)の提供する「スコopus(Scopus)」を使用。それ以前は、トムソン・ロイター社(Thomson Reuters)の「Web of Science(WoS)」。

QS World University Rankings 2013 | Top Universities

www.topuniversities.com/university-rankings/world-university-rankings/2013#sorting=rank+region=+country=+faculty=+s

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### QS World University Rankings 2013

Welcome to the QS World University Rankings 2013/14. Compare the world's top universities, sort by region and subject, find the best universities in your academic field, and create your own personalized ranking based on what matters most to you.

QS World University Rankings® IREG APPROVED and QS Stars

universities.com/" in a new tab behind the current one



# Webometrics世界大学ランキング

## Webometrics Ranking of World's Universities

- スペインの研究機関「スペイン科学研究高等会議(Consejo Superior de investigaciones científicas)」に所属する研究グループCINDOCが2004年から半年ごとに公表している世界の大学のウェブリポジトリランキング。
- ランキングの目的はウェブ出版の促進で、リポジトリのコンテンツ収集が成功しているほどランキングが高くなる。

WORLD | Ranking Web of Universities

www.webometrics.info/en/world

### RANKING WEB OF UNIVERSITIES

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#### About the Ranking













- Methodology
- Objectives
- FAQs
- Notes
- Previous editions

#### Resources

- Best Practices
- Links

  
www.mavir.net

#### WORLD

ranking	University	Det.	Country	Pre Ran
1	<a href="#">Harvard University</a>	»		
2	<a href="#">Massachusetts Institute of Technology</a>	»		
3	<a href="#">Stanford University</a>	»		
4	<a href="#">University of California Berkeley</a>	»		
5	<a href="#">University of California Los Angeles UCLA</a>	»		1
6	<a href="#">University of Washington</a>	»		
7	<a href="#">University of Michigan</a>	»		
8	<a href="#">Cornell University</a>	»		
9	<a href="#">University of Minnesota</a>	»		
10	<a href="#">University of Pennsylvania</a>	»		
11	<a href="#">Columbia University New York</a>	»		
12	<a href="#">(2) Pennsylvania State University</a>	»		1



What's next?



# altmetrics for Librarians

- measuring research impact on the web



図書館員は、インパクト評価に関する研究者の知識と関心を支える重要な立場にある

*From bibliometrics to altmetrics*



## Altmetricsに関して図書館員が教員のためにできること

- 最新の文献に基づいてaltmetricsに関連する議論の現状を伝えること
- altmetrics関連ツールを研究者が使ってみる際のサポート
- altmetricsに関する講習・アウトリーチの実施



Thank you :)

22 Jan, 2014

Osaka University Library

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