

Singapore Management University

## Institutional Knowledge at Singapore Management University

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Research Collection Library

SMU Libraries

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4-2018

### Plugged in: Identifying Open (& Subscribed) Access

Aaron Tay

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# computers **in** libraries **2018**

Plugged In: Identifying Open (& Subscribed) Access

Aaron Tay

Library Analytics Manager,  
Singapore Management University

50%



**OPEN\***

2014

“As of April 2014, more than **50%** of the scientific papers published in 2007, 2008, 2009, 2010, 2011, and 2012 can be downloaded for free on the Internet.”

Archambault, É., Amyot, D., Deschamps, P., Nicol, A., Provencher, F., Rebout, L., & Roberge, G. (2014). Proportion of open access papers published in peer-reviewed journals at the European and world levels—1996–2013.

2017

“In other words, Lazy Scholar finds a free full text somewhere between **36-41%** of the time.. If I restrict the analysis to only papers where a DOI is available, Lazy Scholar finds a free full text **49-54%** of the time”

<http://www.lazyscholar.org/2017/10/06/new-statistics-on-full-text-availability-using-lazy-scholar/>

2018

“... we find that Unpaywall users encounter OA quite frequently: **47%** of articles they view are OA. .”

Piwowar, H., Priem, J., Larivière, V., Alperin, J. P., Matthias, L., Norlander, B., ... & Haustein, S. (2018). The State of OA: A large-scale analysis of the prevalence and impact of Open Access articles. *PeerJ*, 6, e4375.

2018

“The data shows an overall free availability of **54.6%**, ... The data extracted from GS yielded very similar results to those found by other studies that analysed similar samples of documents, but employed different methods to find evidence of OA, thus **suggesting a relative consistency among methods**”

Martín-Martín, A., Costas, R., van Leeuwen, T., & López-Cózar, E. D. (2018). Evidence of Open Access of scientific publications in Google Scholar: a large-scale analysis. arXiv preprint arXiv:1803.06161.

# Rise of preprint



# AgriXiv

bioRxiv  
beta  
THE PREPRINT SERVER FOR BIOLOGY

# arXiv

ChemRxiv™

The logo for LawArXiv features a large, stylized orange letter 'A' with a diagonal line through it, positioned above the text "LawArXiv" in a dark grey sans-serif font.

LawArXiv

The logo for paleoRxiv features the word "paleo" in a black serif font, with a black silhouette of a dinosaur head to its right. Below "paleo" is a horizontal line, and below "Rxiv" is another horizontal line. The "x" in "Rxiv" is replaced by two crossed bones.

paleoRxiv

# SOCARXIV

open archive of the social sciences

The logo for LIS Scholarship Archive features a black silhouette of an open book on the left, followed by the text "LIS Scholarship Archive" in a white sans-serif font, all on a purple rectangular background.

LIS  
Scholarship  
Archive

The logo for engrxiv features a white icon of a stack of papers on the left, followed by the text "ENGINEERING engrxiv ARCHIVE" in a white sans-serif font, all on a dark grey rectangular background.

ENGINEERING  
engrxiv  
ARCHIVE

The logo for PsyArXiv features three red squares containing the Greek letter psi (Ψ), the letter 'A', and the letter 'X' respectively, followed by the text "PsyArXiv" in a white serif font, all on a dark blue rectangular background.

Ψ  
A X PsyArXiv



Rise of  
Open\*  
Access has  
implications  
for libraries

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Rise of open access findings

---

Integration of services

---

Ability to consider subscription and  
renewal decisions using availability of  
Open Access as a consideration


Reliable detection of OA/Free to  
read is critical!

# In 2014 – Lazy Scholar ext by Colby Vorland

pnas.org/content/111/1/116.abstract

in Geo NUS Libraries Proxy ... Save to Mendeley Check Library NUS Libraries Proxy ... Open Access Button FindMore Bookmark... + Flip it » Other bookmark

Current Issue > vol. 111 no. 1 > Yaowu Hu, 116–120, doi: 10.1073/pnas.1311439110



 **CrossMark**  
click for updates

## Earliest evidence for commensal processes of cat domestication

Yaowu Hu<sup>a,b,1</sup>, Songmei Hu<sup>c</sup>, Weilin Wang<sup>c</sup>, Xiaohong Wu<sup>d</sup>, Fiona B. Marshall<sup>e,1</sup>, Xianglong Chen<sup>a,b</sup>, Liangliang Hou<sup>a,b,2</sup>, and Changsui Wang<sup>a,b</sup>

[Author Affiliations](#)

Edited by Dolores R. Piperno, Smithsonian National Museum of Natural History and Smithsonian Tropical Research Institute, Washington, DC, and approved November 13, 2013 (received for review June 24, 2013)


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

### Significance

Domestic cats are one of the most popular pets worldwide, but little is known about their domestication. This study of cats living 5,300 y ago at the agricultural village of Quanhucun, China provides the earliest known evidence for mutualistic relationships between people and cats. Isotopic data demonstrate that humans, rodents, and the cats ate substantial amounts of millet-based foods, with cats preying on grain-eating animals. One cat was old and one ate less meat and more millet than others, suggesting it scavenged leftovers or was fed. Diverse data demonstrate rodent threats to stored grain, indicating cats were advantageous to farmers, whereas food in villages was attractive

### This Issue

January 7, 2014  
vol. 111 no. 1  
[Masthead](#) ([Table of Contents](#))



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<http://twileshare.com/uploads/PNAS-2013-Hu-1311439110.pdf>

This message will close in 10 seconds

www.pnas.org/content/111/1/116.abstract

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Current Issue > vol. 111 no. 1 > Yaowu Hu, 116–120, doi: 10.1073/pnas.1311439110

CrossMark

Earliest evidence for commensal processes of cat domestication

Full text found: <http://twifshare.com/uploads/PNAS-2013-Hu-1311439110.pdf>

Searched:  
 Earliest evidence for commensal processes of cat domestication.  
 Y Hu, S Hu, W Wang, X Wu... - Proceedings of the ..., 2014 - National Acad Sciences

Altmetric Score: 544.48 [More detail](#)  
 Percentile: 99  
[EZproxy](#)  
 • Cite Count: **GScholar 3** | WoS N/A

Cite | APA|MLA|ChicagoPWP| |EndNote|Scholar Lib

This Issue  
 January 7, 2014  
 vol. 111 no. 1  
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Google Scholar

earliest evidence for commensal

Articles About 31,600 results (0.04 sec)

Any time  
 Since 2018  
 Since 2017  
 Since 2014  
 Custom range...

**Earliest evidence for commensal processes of cat domestication**  
 Y Hu, S Hu, W Wang, X Wu... - Proceedings of the ..., 2014 - National Acad Sciences

Abstract Domestic cats are one of the most popular pets globally, but the process of their domestication is not well understood. Near Eastern wildcats are thought to have been attracted to food sources in **early** agricultural settlements, following a **commensal** pathway to ...

☆ [Cited by 74](#) [Related articles](#) [All 12 versions](#)

[\[HTML\] pnas.org](#)

# Lazy Scholar scrapes GS links

LS Alternative to mental hospital treatment ... [1980]  
BA Weisbrod, MA Test ... [Archives of General Psychi

▼ Searched ▼    ▼ Cite ▼    ▼ Full Text Check ▼    Citation Count    Related Citations    Altmetric    Journal Rank    Comments    ▼ Share ▼    Notes

gs555    PubMed22



JAMA Network

The screenshot shows a dark-themed header for a JAMA Network article. It includes a search bar with a dropdown arrow, a 'Cite' button with a quote icon, a 'Full Text Check' button with a document icon, and several data points: 'Citation Count' (gs555), 'Related Citations' (PubMed22), 'Altmetric' (three dots), 'Journal Rank' (dash), 'Comments' (three dots), 'Share' (EN, envelope, and social media icons), and 'Notes' (h. icon). The JAMA Network logo is visible in the bottom left of the header area.


Sources : Google Scholar, PubMed/PubMed Central, EuropePMC, DOAI.io, and Dissem.in.

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# Chrome extensions & userbase @ 1 April

  **Kopernio**



4,399  
users

 **Open Access Button**


5,634  
users



8,896  
users

  **Library Access**  
offered by [Lean Library](https://leanlibrary.org/)

*10,802 users*



128,698  
users

  **Google Scholar Button**  
offered by <https://scholar.google.com/>

1,621,345  
users

# The potential of open APIs



**Jason Priem**

@jasonpriem



Wow, it looks like the [@unpaywall](#) database has overtaken Sci-Hub in popularity! We had nearly half a billion calls to our API in 2017, vs ~150M downloads from Sci-Hub. [#oa](#) [#openaccess](#)  
[twitter.com/isidroaguillo/...](https://twitter.com/isidroaguillo/)

8:09 PM - Feb 1, 2018

♡ 117 💬 74 people are talking about this



# Highest profile integration – In Web of Science (Clarivate)



**Open Access** ▾

- All Open Access (129,387)
- Gold (120,775)
- Green Accepted (4,573)
- Green Published (4,039)

[Refine](#)

3. **META-ANALYSIS OF STEM CELL TRANSPLANTATION FOR REFLEX HYPERSENSITIVITY AFTER SPINAL CORD INJURY**

By: Chen, Xuemei; Xue, Bohan; Li, Yiping; et al.  
NEUROSCIENCE Volume: 363 Pages: 66-75 Published: NOV 5 2017

[Find it @ SMU Libraries](#) [Full Text from Publisher](#) [Free Accepted Article From Repository](#)

[View Abstract](#)

Times Cited: 0  
*(from Web of Science Core Collection)*

Usage Count ▾

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4. **Polycomb complexes in X chromosome inactivation**

By: Brockdorff, Neil  
PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES Volume: 372  
Issue: 1733 Article Number: 20170021 Published: NOV 5 2017

[Find it @ SMU Libraries](#) [Full Text from Publisher](#) [Free Published Article From Repository](#)

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*(from Web of Science Core Collection)*

Usage Count ▾



ExLibris SFX



360 LINK

# Other integrations



Dimensions



Europe PMC



scienceOPEN.com  
research+publishing network



Clear Filters



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- Peer-Review
- Open Access** ✓
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- Book / eBook (87,056)
- Book Review (6,309)
- Conference Proceeding (5,145)
- Data Set (4,072)
- More...

436,173 results sorted by [relevance](#)

1   [Navajo Nation's water rights and mis before the Committee on Energy and](#) by [United States. Congress. Senate. Committ](#)  
S. hrg., 2007  
Book: [Check Availability](#), Y 4.EN 2:S.HRC  
eBook: [Full Text Online](#)  
[Open Access](#)  
[Preview](#)

2   [Approving the settlement of the water Apache County, Arizona, and for othe](#) by [United States. Congress. Senate. Committ](#)  
Report / 108th Congress, 1st session, Senate  
Book: [Check Availability](#), Y 1.1/5:108-18  
eBook: [Full Text Online](#)  
[Open Access](#)  
[Preview](#)

- OA indicator in Summon, coming for Primo
- Integration of more OA sources – e.g. CORE (planned) ,
- Better identification of free full text in journals (hybrids) & repositories (metadata only records vs full text )

Better support for OA\*  
coming in Summon & Primo

# Substitution of paywall articles?

<https://www.jisc.ac.uk/rd/projects/supporting-inter-library-loans-with-the-open-access-button>

The screenshot shows the Jisc website interface. At the top left is the Jisc logo. To its right are navigation links: "Give feedback", "Membership", "News", "Events", "Jobs", "About", and "Contact". Below this is a secondary navigation bar with "Digital resources", "Network & technology", "Advice", and "R&D", followed by a search box labeled "Search Jisc". The breadcrumb trail reads "Home > R&D > Projects > Supporting inter-library loans with the Open Access Button". The main content area features a blue "R & D project" tag, the project title "Supporting inter-library loans with the Open Access Button", and a subtitle "Exploring the opportunity for an Open Access Button-enabled inter-library loan service". A grey box labeled "Archived" states the project was archived on 1 October 2017 and provides links to a summary of findings and an overview of next steps. Below this is a photo of a woman in a library setting. To the right of the photo is a summary box with the following details: "4 months Ended 31 Jul 2017", "Budget: Under £50k", "Expected outcome: Report", and "Tags: LIBRARIES OPEN ACCESS RESEARCH AND RESEARCH DATA".

Jisc

Give feedback Membership News Events Jobs About Contact

Digital resources Network & technology Advice R&D Search Jisc

Home > R&D > Projects > Supporting inter-library loans with the Open Access Button

R & D project

## Supporting inter-library loans with the Open Access Button

Exploring the opportunity for an Open Access Button-enabled inter-library loan service

**Archived** This project was archived on 1 October 2017

Read Sarah Fahmy's [summary of project findings](#) and an [overview of what's next for the project](#) on the scholarly communications blog.

4 months Ended 31 Jul 2017

**Budget:** Under £50k

**Expected outcome:** Report

**Tags:** LIBRARIES OPEN ACCESS RESEARCH AND RESEARCH DATA

# Cancellation based on OA level?

Antelman, K. (2017).  
Leveraging the  
growth of open  
access in library  
collection decision  
making. *Proceeding  
from ACRL 2017: At  
the Helm: Leading  
Transformation.*

“For a period of time Green OA advocates were asserting, almost as if it were a natural law, that Green OA does not lead to cancellations ... Now there is the recognition that cancellations are likely to result once a critical mass of articles across a range of journals becomes OA”

# Substituting versions in link resolvers?

*“When there is an option between an open access version and subscribed publisher version, our search tools usually default to the publisher version. Those 3000 downloads of a journal that justified you re-subscribing to it? Likely a large chunk of those downloads came from accessing articles that have green open access versions online. You’re paying for something that is already online for free.” — [Ryan Regier](#)*

Antelman, K. (2017).  
Leveraging the  
growth of open  
access in library  
collection decision  
making. *Proceeding  
from ACRL 2017: At  
the Helm: Leading  
Transformation.*

“The Open Access-adjusted Cost Per Download (OA-adj CPD) is a proposed metric that subtracts the downloads that could be met by OA copies of articles within subscription journals. In this simple model it discounts it entirely, but that could easily be adjusted for the degree to which each institution felt OA copies could substitute for subscription copies. “

*With being the prior three years, the current year, the next three subscription years*  
*The simple OA-adjusted CPD is*

Adjusting cost per use  
Antelman, K. (2017).

$$\left. \frac{y^4}{OA_{y-2}} \right] \times \frac{1}{3}$$

# Ways to determine OA levels of journals

1

1Science – Oafigr service

2

Use Unpaywall API

- Ryan Regier's Oacounts python program - <https://github.com/ryregier>

3

Use Dimensions to filter by publication title and status




# Easily determine – level of OA using Dimensions

> PUBLICATION TYPE

✓ SOURCE TITLE

<input type="radio"/> ChemInform	791,875
<input type="radio"/> The Lancet	467,587
<input type="radio"/> BMJ	423,206
<input type="radio"/> Nature	407,911
<input type="radio"/> JAMA	315,122
<input type="radio"/> Science	257,764
<input type="radio"/> PLoS ONE	196,657
<input type="radio"/> New England Journal of Med	196,405
<input type="radio"/> Choice Reviews Online	195,830
<input type="radio"/> Journal of the American Chem	192,115


library
Journal of Library Administration
Library Hi Tech
Huntington Library Quarterly
Library Management
Library & Information Science Resea...

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## Tunable near-infrared epsilon-near-zero and plasmonic p sputtered composite films

Chaonan Chen, Zhewei Wang, Ke Wu, Hui Ye



2018, Science and Technology of Advanced Materials - Article

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## Complementary evaluation of structure stability of perov valence and density-functional-theory calculations

Ikuya Yamada, Akihiko Takamatsu, Hidekazu Ikeno


2018, Science and Technology of Advanced Materials - Article

 1  View PDF  Add to Library

## Oxygen surface exchange kinetics measurement by sim relaxation and impedance spectroscopy: Sr(Ti,Fe)O<sub>3-x</sub> tl

Nicola H. Perry, Jae Jin Kim, Harry L. Tuller

2018, Science and Technology of Advanced Materials - Article

 1  View PDF  Add to Library

## Morphological and optical properties of PdxAg1-x alloy i

Sundar Kunwar, Puran Pandey, Mao Sui, Sushil Bastola, Jihoon Lee

2018, Science and Technology of Advanced Materials - Article

 1  View PDF  Add to Library



# Finding OA level of journal via Dimensions

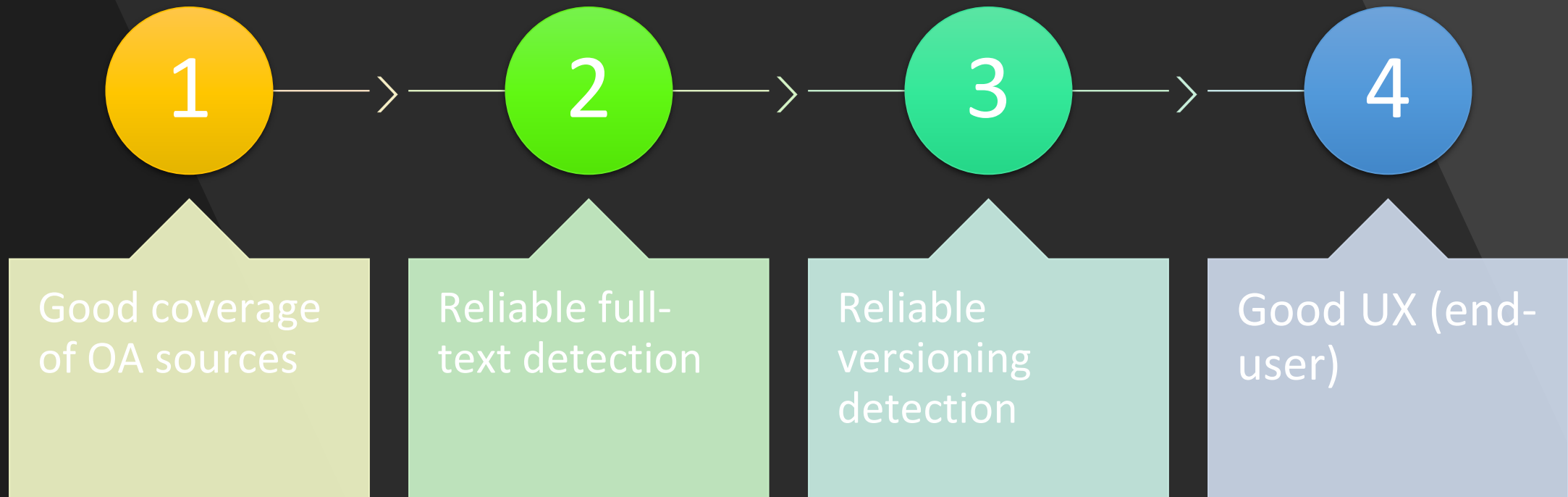
The screenshot shows the Dimensions search interface. At the top, the Dimensions logo is on the left, and search filters for '2016' (Publication Year) and 'Library Trends' (Source title) are on the right. The left sidebar contains a 'FILTERS' section with the following categories and counts:

- PUBLICATION YEAR
  - 2016: 33
- RESEARCHER (BETA)
- FIELDS OF RESEARCH
- PUBLICATION TYPE
- SOURCE TITLE
  - Library Trends: 33
- JOURNAL LIST
- OPEN ACCESS
  - Open Access: 10

The main content area shows a 'PUBLICATIONS 33' header. Below it, three search results are displayed:

- Tending the Garden of Learning: Lifelong Learning a:**  
James Elmborg  
2016, Library Trends - Article  
Citations: 2, Altmeter: 1, Open Access, Add to Library
- Introduction: Valuing Librarianship: Core Values in TI**  
Selinda A. Berg, Heidi LM Jacobs  
2016, Library Trends - Article  
Citations: 1, Add to Library
- Advocating for Librarianship: The Discourses of Adv Professional Identities of Librarians**  
Deborah Hicks  
2016, Library Trends - Article  
Citations: 3, Add to Library

# My wishlist for good OA finding/detection tool



Thank you

Aaron Tay

Aarontay@gmail.com

@aarontay



<https://musingsaboutlibrarianship.blogspot.sg>