

Open Access Obstacles and Options

Eleta Exline

October 23, 2020

RECORDING

Open Access is a
response to a flawed system of
scholarly communication.

“University presses and disciplinary associations were founded to disseminate research...the faculty produced the work to be published; non-profit publishers organized the distribution of knowledge; the university library bought the published work at an artificially high price, as a subsidy for learned societies; and the faculty used this literature as the foundation for further research and teaching.

Lyman, P., & Chodorow, S. (1998)

In *The mirage of continuity: Reconfiguring academic information resources for the 21st century* .

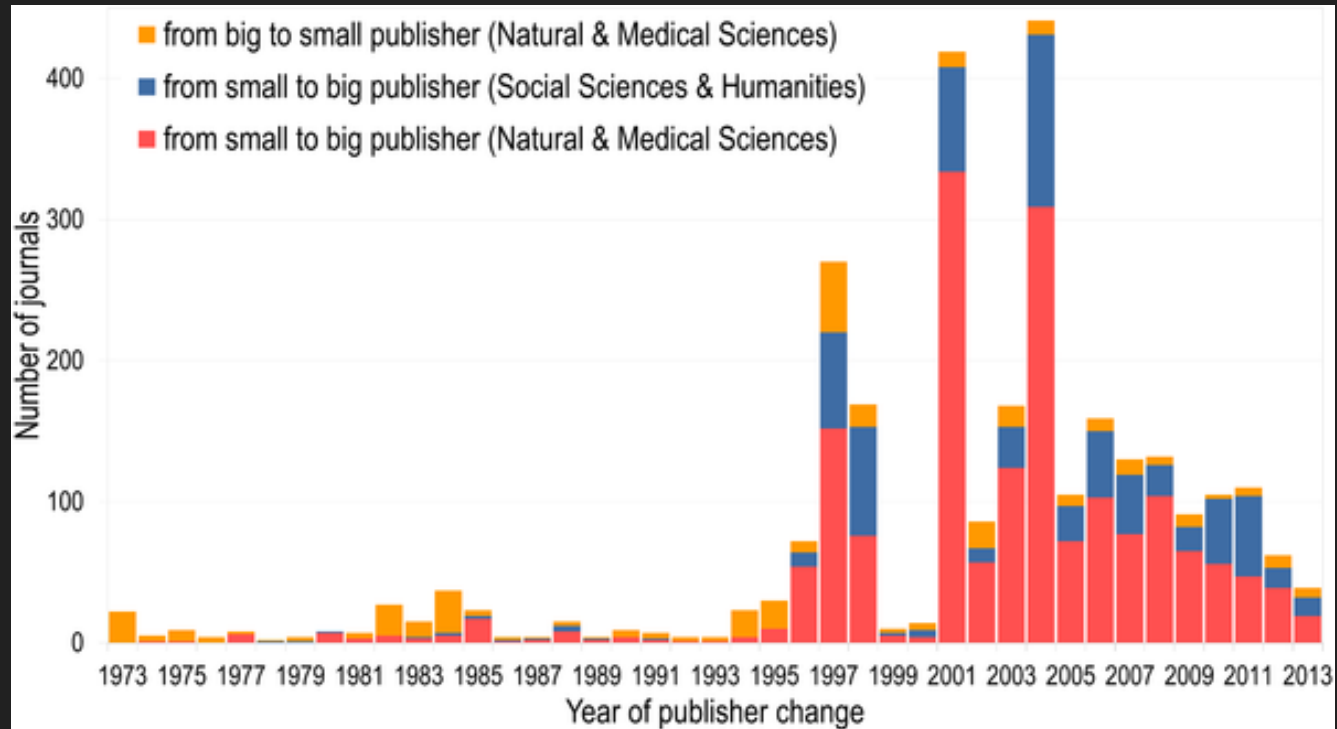
CLIR and AAU.

”[...] However, over the past fifty years, as federal research funding has encouraged specialization, journal publishing has become commercialized, and some parts of the scientific and technical literature are now being monopolized by multinational publishing conglomerates.” (p. 89)”

Lyman, P., & Chodorow, S. (1998)

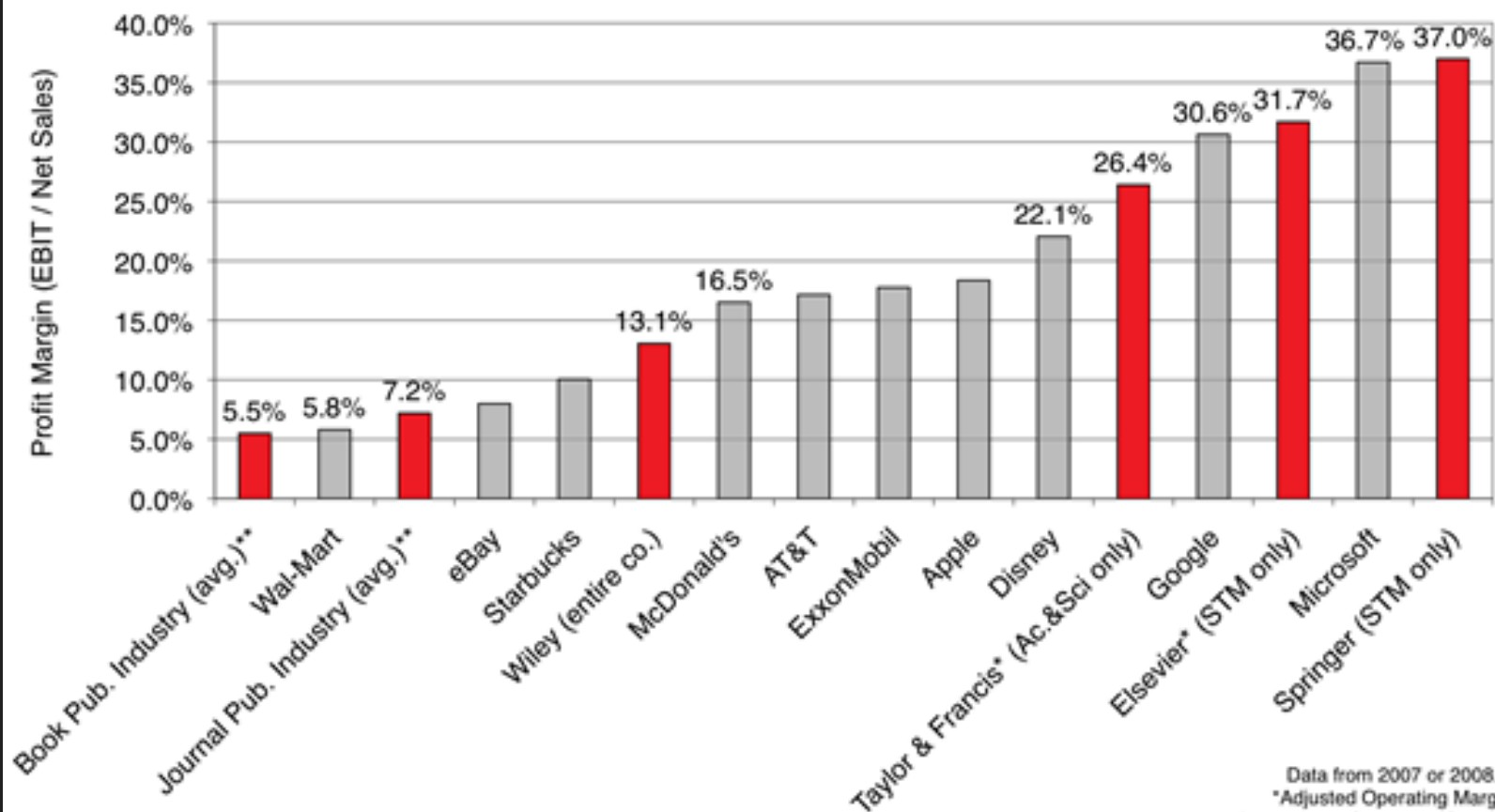
In *The mirage of continuity: Reconfiguring academic information resources for the 21st century* .

CLIR and AAU.



Larivière V, Haustein S, Mongeon P (2015) The Oligopoly of Academic Publishers in the Digital Era. PLOS ONE 10(6): e0127502.
<https://doi.org/10.1371/journal.pone.0127502>
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0127502>

Profit Margins: Journal Publishers v. Other Companies



Data from 2007 or 2008.

*Adjusted Operating Margin

Data Source: MIT Libraries **RMA Annual Statement Studies, 2007

Why does it cost millions to access publicly funded research papers? Blame the paywall



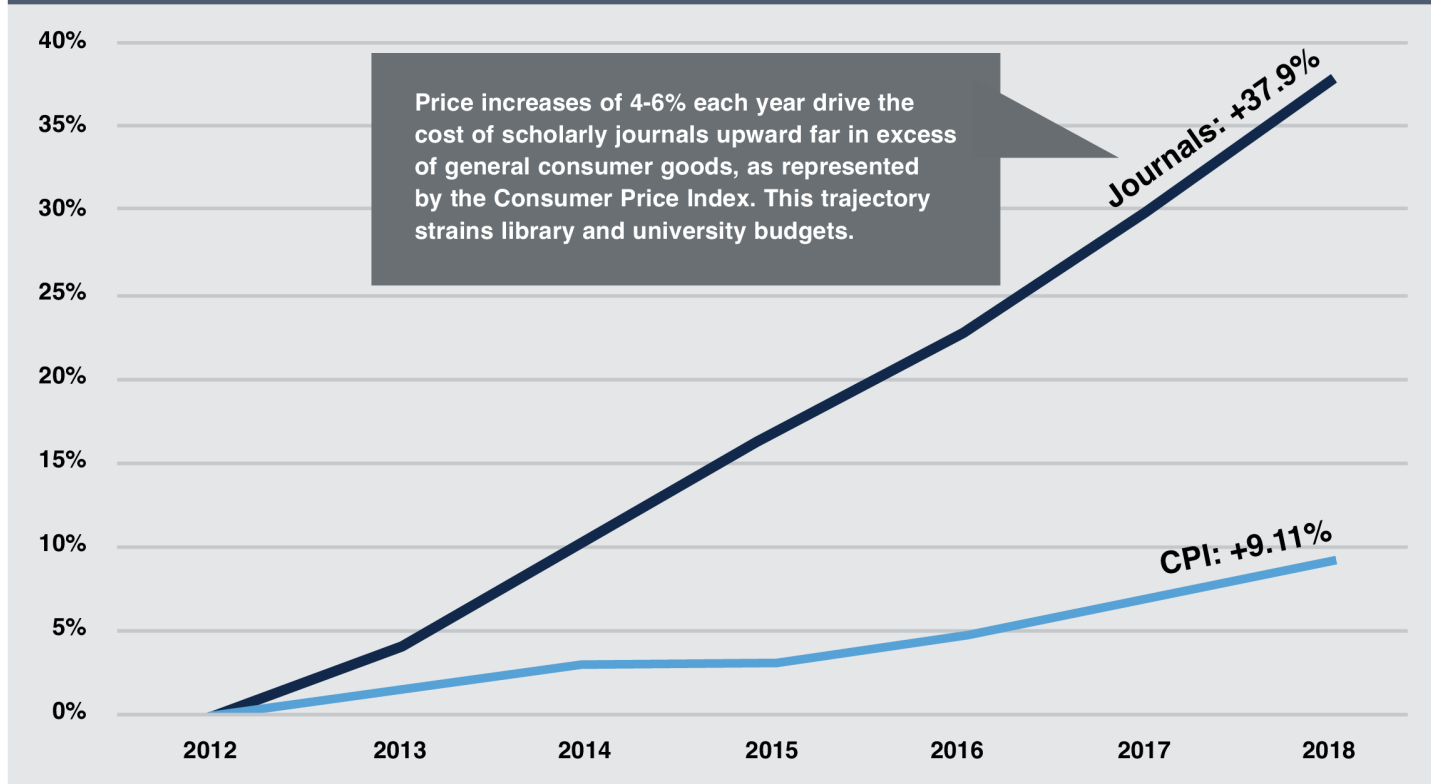
Canadian universities struggle to pay for access to their own research reports as publishers profit



[Kelly Crowe](#) · CBC News · Posted: Mar 09, 2019 9:00 AM ET | Last Updated: March 9



Cumulative Inflation 2013-2018



Journal inflation from Library Journal Annual Periodicals Price Surveys (Table 9: Clarivate/ISI cost history).
CPI data from Bureau of Labor Statistics U.S. Inflation Calculator.

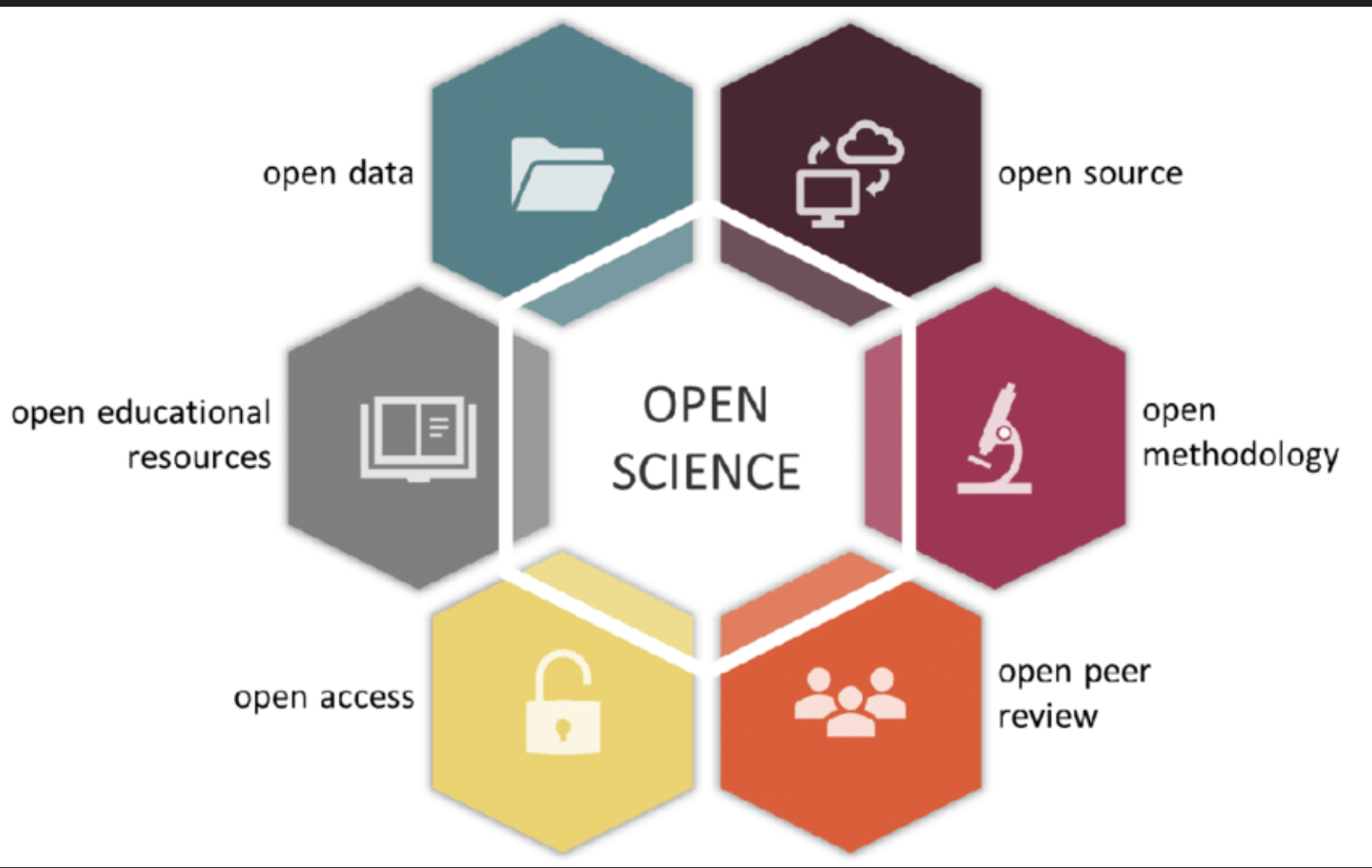


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Budapest Open Access Initiative, 2002

[Creative Commons Attribution 3.0 http://www.budapestopenaccessinitiative.org/read](http://www.budapestopenaccessinitiative.org/read)

Open Access is part of a movement to increase the transparency and robustness of research, accelerate discovery and innovation, and democratize knowledge.



Training students for the Open Science future

Felix Schönbrodt 

Nature Human Behaviour 3, 1031 (2019) | [Download Citation](#) ↓

289 Accesses | 75 Altmetric | [Metrics](#) »

Many PhD students are enthusiastic about robust scientific practices, but afraid that 'doing good science' will jeopardize their chances on the job market, argues Felix Schönbrodt, Managing Director of the LMU Open Science Center. Aligning incentives and preparing students for a job market that values contributions to Open Science will be key.

Access options

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Three lessons COVID-19 has taught us about Open Access publishing

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Lesson 1: Traditional publishing models – which lock content behind paywalls – are not fit for purpose.

Lesson 2: Preprints and open publishing platforms have come of age

Lesson 3: We can't predict which research will be useful – so let's make it all open access

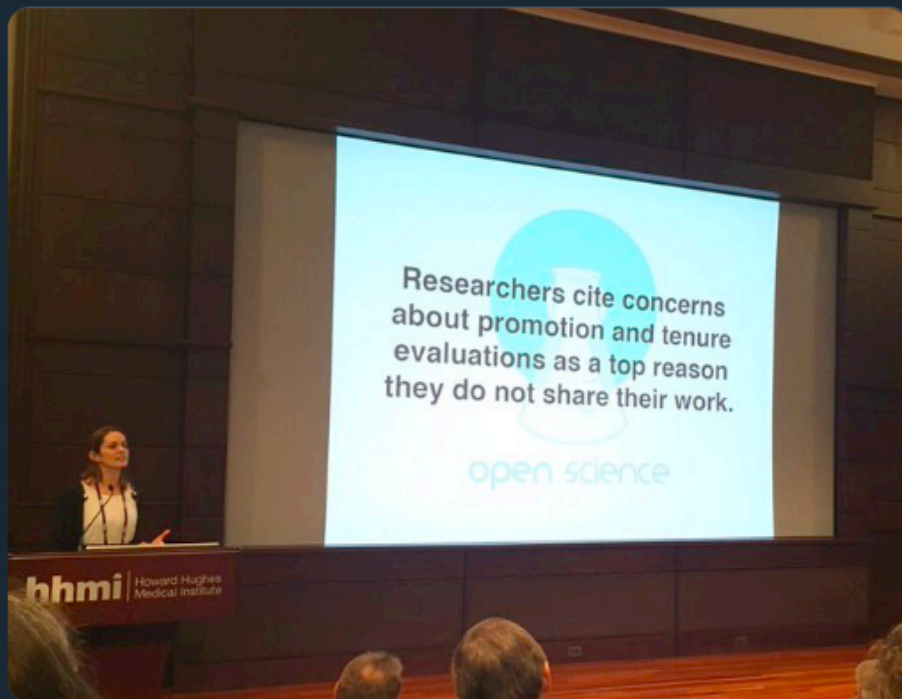
Prestige based incentives
are a barrier to the progress
of Open Science and Open Access.



David Mellor

@EvoMellor

Crazy but true: concerns about remaining a scientist is #1 barrier about acting according to scientific values
[#assessingresearch](#)



7:21 PM · Oct 21, 2019 · [Twitter for iPhone](#)



Associate Deans

@ass_deans



The faculty need to be publishing in the very best journals which the library has quit subscribing to due to budget cuts. Luckily you can still read abstracts on the gated copies!

10:10 AM · Sep 21, 2019 · [Twitter for iPhone](#)

330 Retweets **1.8K** Likes

CONTRIBUTOR

NATURE HUMAN BEHAVIOUR

IS IT PUBLISH OR PERISH?

The hidden costs of publication metrics:
Can the pressure to publish crowd out our
intrinsic motivations to produce good
science?



Alex Kusmanoff Oct 12, 2019

👍 2 💬 0

You have options



Publish in a closed journal

Benefits

- Majority of journals to choose from
- Dominant model

Cautions

- Transfer copyright
- May have fees
- You and your readers may not have access

A white t-shirt is hanging on a hanger against a light-colored wall. The t-shirt has a printed message in black, red, and blue text. The message reads: "I SIGNED AWAY MY COPYRIGHT TO ELSEVIER AND ALL I GOT WAS THIS LOUSY TEE-SHIRT". The word "ELSEVIER" is printed in a larger, bold, red font, while the other words are in a smaller, black font. The word "TEE-SHIRT" is printed in a blue font.

I SIGNED AWAY MY
COPYRIGHT TO
ELSEVIER
AND ALL I GOT
WAS THIS LOUSY
TEE-SHIRT

Found at [BeerBrarian](#) 2015

↻ You Retweeted



Victor Ferreira @victorf13 · Jul 11

This is [@ElsevierConnect](#) denying me access to an article that **I** co-wrote, published in a journal for which I served as editor-in-chief and still serve on its editorial board. Kind of symbolic of the whole publishing ecosystem, isn't it?

Post in a Repository (Green)

Benefits

- No fees
- All readers read for free
- Tend to be cited more
- Pre and post publication options
- Publish in your preferred journal

Cautions

- Final published version closed
- Be aware of publisher policies
- Transfer copyright
- Peer-reviewed version may be delayed



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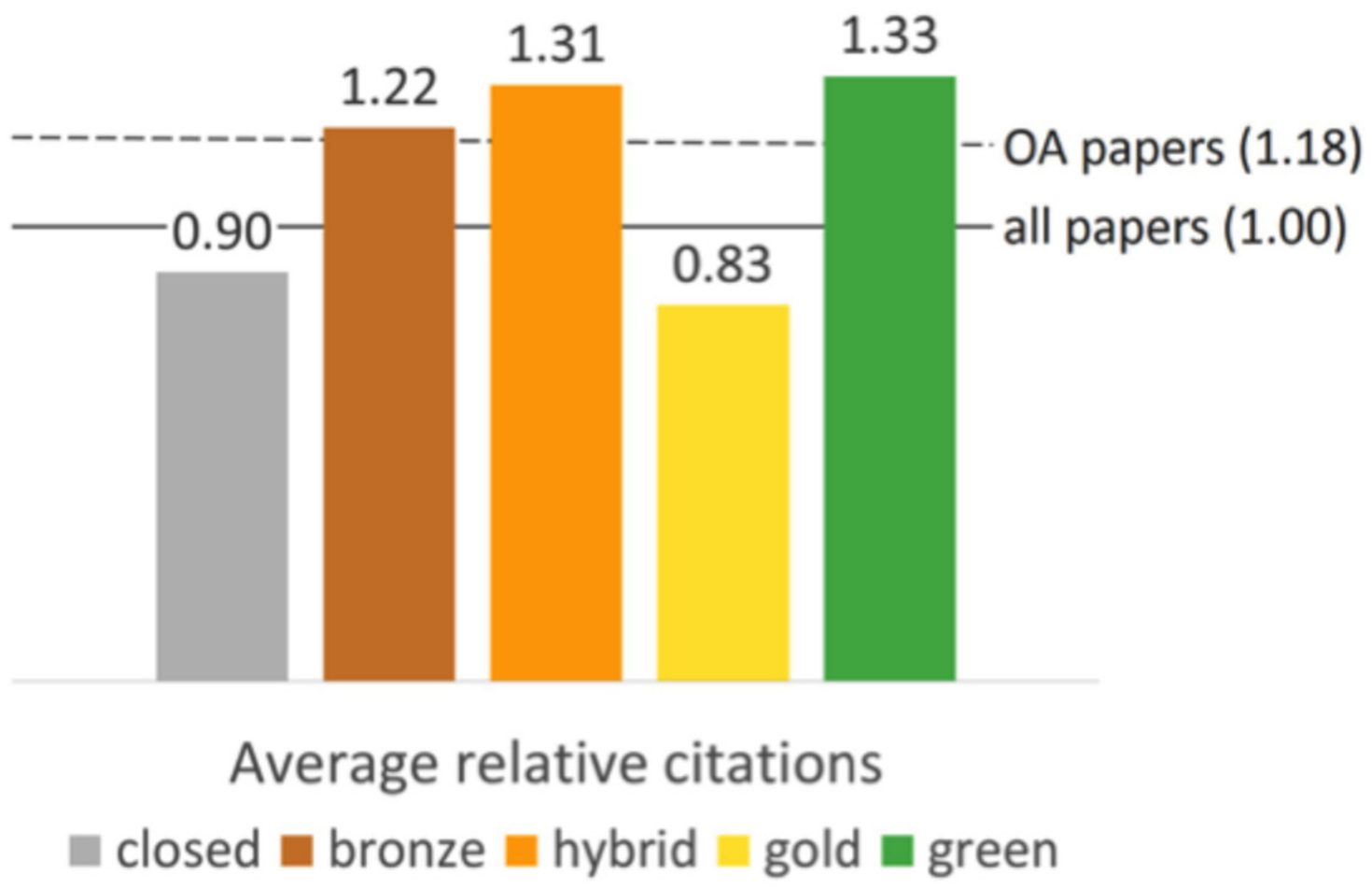


The Scholars' Repository, a service of the University Library, is a collection of scholarly and creative works of University of New Hampshire faculty, staff, and students. The items included here have been selected by the library or deposited by academic departments, research institutes, and individual contributors.

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Piowar H, Priem J, Larivière V, Alperin JP, Matthias L, Norlander B, Farley A, West J, Haustein S. (2018) The state of OA: a large-scale analysis of the prevalence and impact of Open Access articles. PeerJ 6:e4375 <https://doi.org/10.7717/peerj.4375>

Biology

Publication Information

Title	Biology [English]
ISSNs	Electronic: 2079-7737
URL	http://www.mdpi.com/journal/biology
Publishers	MDPI [Commercial Publisher]
DOAJ Listing	https://doaj.org/toc/2079-7737
Requires APC	Yes [Data provided by DOAJ]

Publisher Policy

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Accepted Version

 None
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 None
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 Any Repository
 +



Publish in a Hybrid Journal

Benefits

- Authors keep copyright
- Read for free
- Journals tend to be established
- Tend to be cited more than closed options

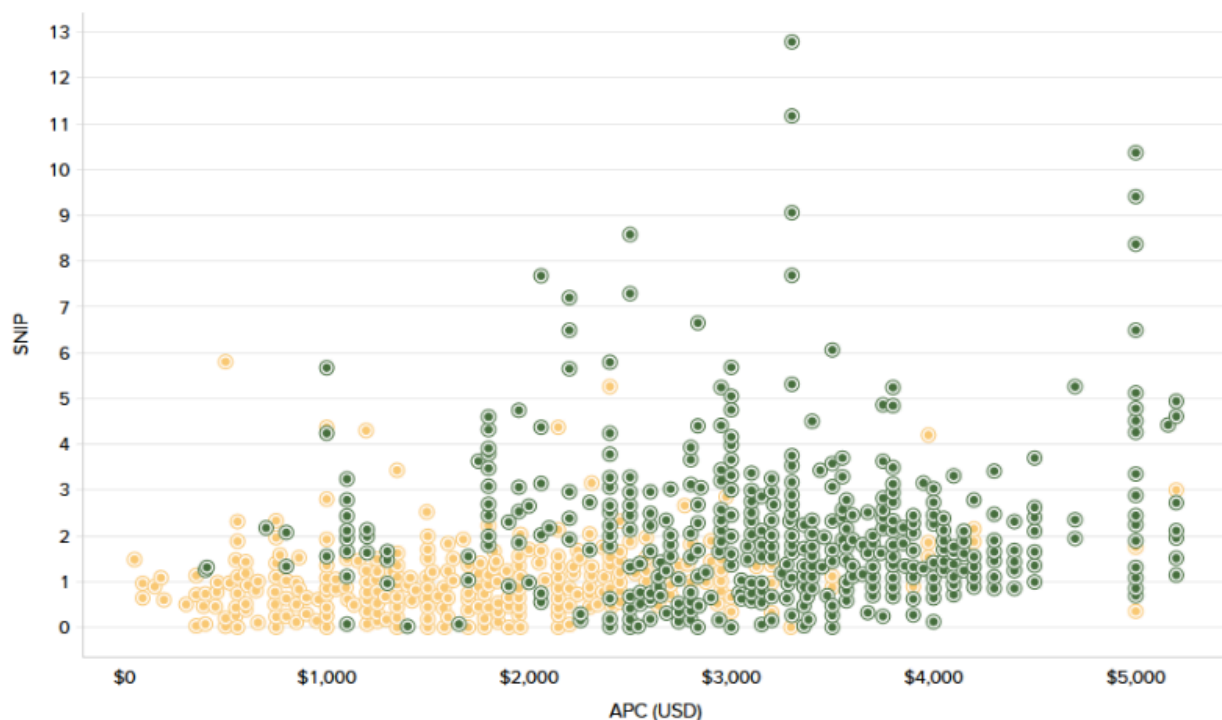
Cautions

- Fees are very high and prestige based
- Only some content open
- Double dipping

Risks of uncontrolled APCs

APC vs. SNIP for Publishers by Fully OA/Hybrid:

All publishers (2017-2018)



☑ Fully OA / Hybrid

☑ Fully OA

☑ Hybrid

Average list APC

Fully OA: \$1600

Hybrid: \$2900

Average payment tracked by

OpenAPC:

Fully OA: €1488

Hybrid €2445

With permission from Delta Think Open Access Data & Analytics tool. Analysis 15.09.2018



Researcher: I contacted the journal about issuing a fee waiver or reducing the fee and they will not budge. Could you please help me identify alternative sources of funding to pay the publication costs of this **blank** sponsored research? As an early career researcher, I could really use some assistance with this.

Administrator: Eleta, Here's more evidence of what a problem this is! \$3,000 doesn't just grow on trees!!

Me: Yes, it's a problem. Since it's a hybrid journal (mix of subscription only and OA content), we still have to pay a subscription fee to get access to most of the content.
My advice is to skip the OA option and use the self-archiving policy to make the article as accessible as possible.

Publish in an Open Access Journal (Gold Open Access)

Benefits

- Authors keep copyright
- All readers read for free
- May be free to publish
- Many well-established options

Cautions

- May have a fee
- May be more precarious
- Some scams
- Some not well integrated into indexing systems



+ Journals vs Articles

search all

search term

+ Subject

Journals vs Articles: Journals ✕ Full Text language: English ✕ Subject: Zoology ✕

+ Article processing
charges (APCs)

1 – 10 of 73



+ DOAJ Seal

+ Journal license

+ Publisher

+ Country of publisher

+ Full Text language

Archives Animal Breeding



Archiv Tierzucht

ISSN: 0003-9438 (Print)

<http://www.archives-animal-breeding.net/>

Peer review

Subject: Agriculture: Animal culture | Science: Zoology

Date added to DOAJ: 9 Dec 2015



ZooKeys



ISSN: 1313-2989 (Print); 1313-2970 (Online)

<http://zookeys.pensoft.net/>

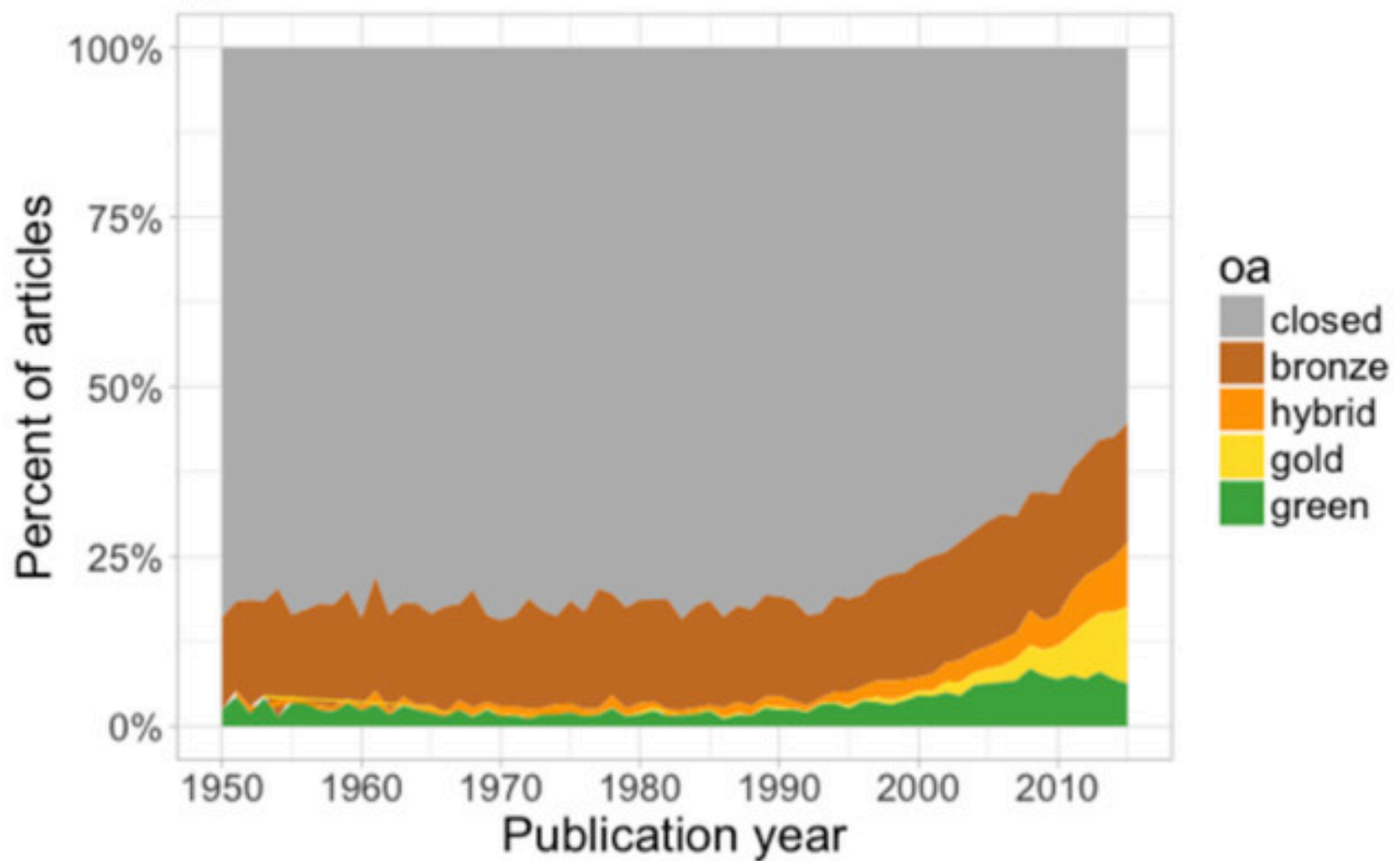
Blind peer review

Subject: Science: Zoology

Date added to DOAJ: 25 Jun 2009



APC:
300EUR



Piwowar H, Priem J, Larivière V, Alperin JP, Matthias L, Norlander B, Farley A, West J, Haustein S. (2018) The state of OA: a large-scale analysis of the prevalence and impact of Open Access articles. PeerJ 6:e4375 <https://doi.org/10.7717/peerj.4375>

Considerations

- Norms of your discipline and organizational culture
- Sources of funding and funder policies
- Frequency of publication
- Impact from venue vs. impact from distribution
- Needs and wants of co-authors



Do you or your colleagues know the journal?

Can you easily identify and contact the publisher?

Is the journal clear about the type of peer review it uses?

Are articles indexed in services that you use?

Is it clear what fees will be charged?

Do you recognise the editorial board?

Is the publisher a member of a recognized industry initiative?

Open Access initiatives
that do not acknowledge differences
contribute to inequities.

Taking a Stand for Open Access, University of California Terminates Elsevier Deal

The decision to walk away from the world's largest publisher of scientific journals could be a milestone in the transition to open access

by Andrew Albanese | Feb 28, 2019

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Eric Chan via Creative Commons

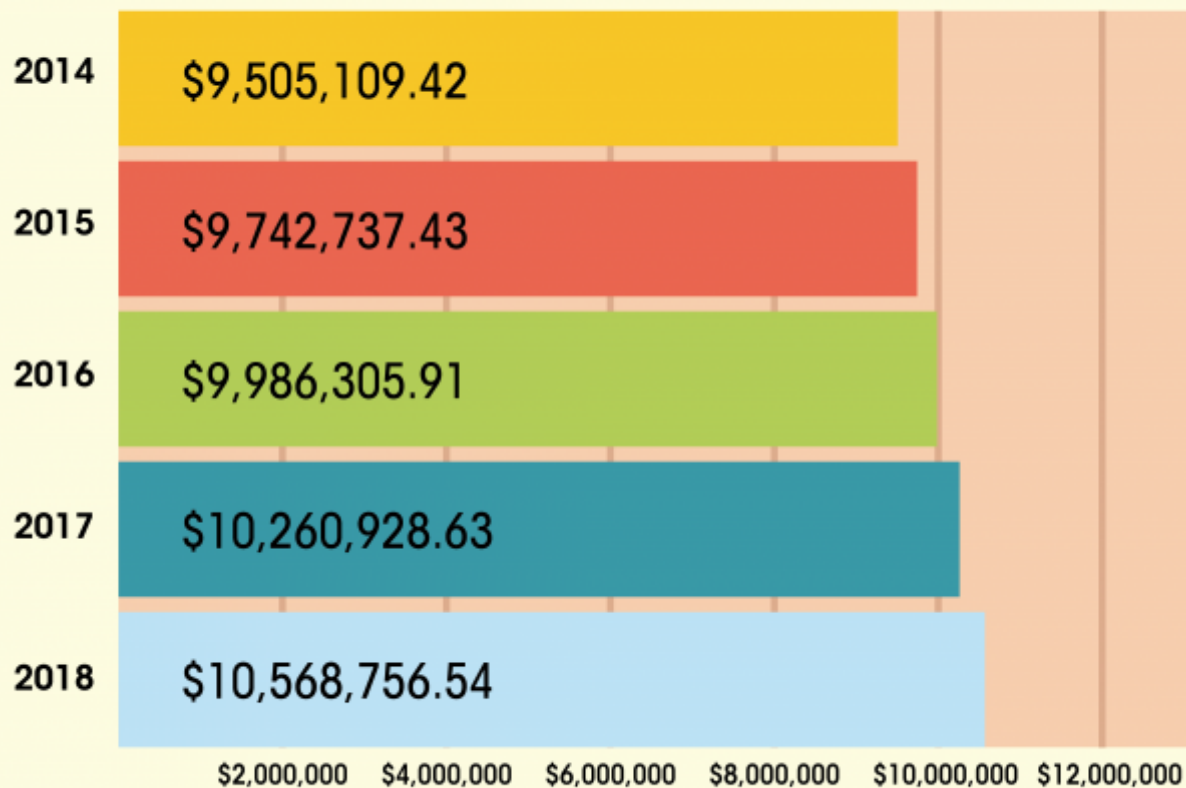
In a major announcement, the University of California this week [announced that after months of negotiations, it has terminated its subscription to Elsevier journals](#). In a release, U.C. officials said

The 6th
“Big Deal” cancellation
in 2019.

Will 2019 be a turning
point for Open Access?

TOTAL FEES THE UC SYSTEM HAS PAID ELSEVIER

The cost of Elsevier has been steadily increasing since 2014.



I MEAN IT'S ONE OPEN-ACCESS ARTICLE, MICHAEL

I mean HOW MUCH COULD IT COST, \$11,000?

Open-access fees creating 'a crisis' for African research

By Christiaan van der Merwe

Share



Latin America's longstanding open access ecosystem could be undermined by proposals from the Global North

1 comment | 36 shares

Estimated reading time: 6 minutes



*Open access is often seen as a process of switching from the existing closed-subscription model of scholarly communication to an open one. But Latin America has had an open access ecosystem for scholarly publishing for over a decade, and the recent **AmeliCA** initiative seeks to develop cooperative scientific communication further still. These efforts, however, could yet be undermined by recent open access proposals from the **cOAlition S** consortium of research*

Links to sources:

Slide 6: <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0127502>

Slide 8: <https://www.cbc.ca/news/health/research-public-funding-academic-journal-subscriptions-elsevier-librarians-university-of-california-1.5049597>

Slide 9: <https://library.unc.edu/2020/02/scholarly-publishing-at-the-tipping-point/>

Slide 11: <https://www.budapestopenaccessinitiative.org/read>

Slide 13: https://www.nature.com/articles/s41559-020-1109-6?fbclid=IwAR3MXsNIMIR8FegxTtuzEWzkZ--yQKnzRfkO_v2uybaAPu_ITpu_NMGJgXs

Slide 15: <https://blogs.lse.ac.uk/impactofsocialsciences/2020/10/06>

Slide 19: <https://socialsciences.nature.com/posts/54519-the-hidden-costs-of-publication-metrics-can-the-pressure-to-publish-crowd-out-our-intrinsic-motivations-to-produce-good-science>

Slide 26 and 34: <https://peerj.com/articles/4375/>

Links to sources:

Slide 27: <https://v2.sherpa.ac.uk/romeo>

Slide 30: https://www.nii.ac.jp/sparc/event/2018/pdf/20181109_2.pdf

Slide 33: <https://doaj.org/>

Slide 36: <http://thinkchecksubmit.org>

Slide 38: <https://www.publishersweekly.com/pw/by-topic/industry-news/libraries/article/79397-in-bold-stand-for-open-access-university-of-california-terminates-elsevier-deal.html>

Slide 39: <https://dailybruin.com/2019/01/08/uc-in-negotiations-with-publisher-elsevier-for-open-access-to-journal-articles>

Slide 41: <https://www.researchprofessionalnews.com/rr-news-africa-pan-african-2020-10-open-access-publishing-fees-a-crisis-for-african-research/>

Slide 42: <https://blogs.lse.ac.uk/latamcaribbean/2019/11/06/latin-americas-longstanding-open-access-ecosystem-could-be-undermined-by-proposals-from-the-global-north/>

Thank you!

Questions?

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