

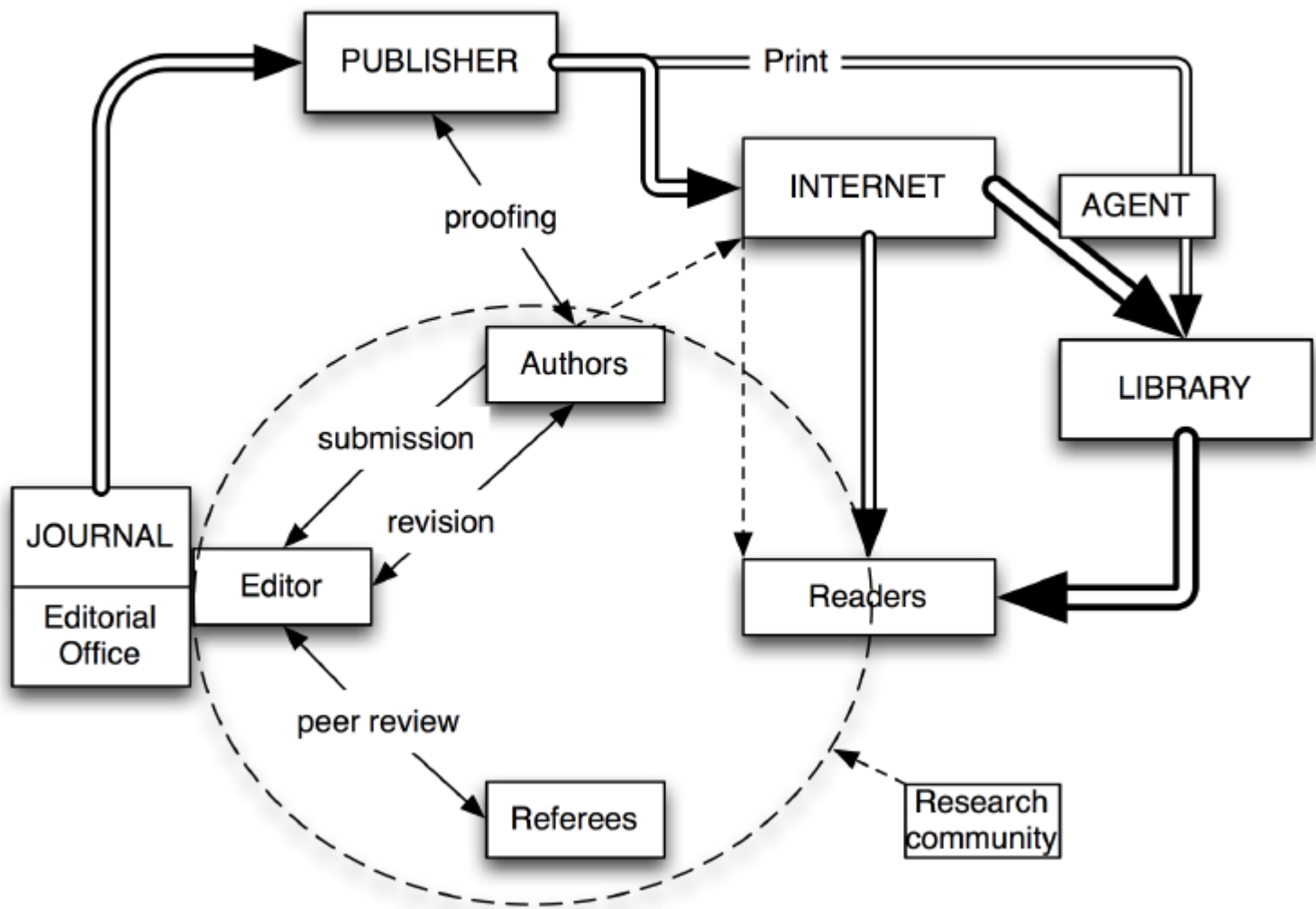
Open Access Journals: Quantity vs Quality

Ruchareka Wittayawuttikul

Stang Mongkolsuk Library and Information Division

Faculty of Science, Mahidol University

Figure 3: The publishing cycle



Journal Publishing Business Models

- **Toll-access (TA)**
- **Subscription-based model (Traditional model)**
- Reader-side subscription fees
- Print & Online
- Color page charges / No page charges
- **Copyright** (*the rights belong to the publishers*)



- **Open-access (OA)**
- **Author-side payment model**
- Author-side fees / No fees
- Online only
- Article processing charges (APC) \$200 - \$4,000
- **Creative commons license** (*no exclusive rights*)



What is open-access journal ?



Freely available online

- Journals that use a business model that does not charge readers or their institutions for access.
- All readers have the right to read, download, copy, distribute, print, search, or link to the full-text articles.

Creative Commons Attribution (CC-BY) License



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- **CC-BY license** allows users and readers to download, read, re-use, re-distribute, and create derivative works (*e.g. teaching materials*) freely, as long as they acknowledge the original article.
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Open Access (OA) Types



Provided by OA publishers

- **Gold OA** : immediate OA to all articles / full open access without delay.

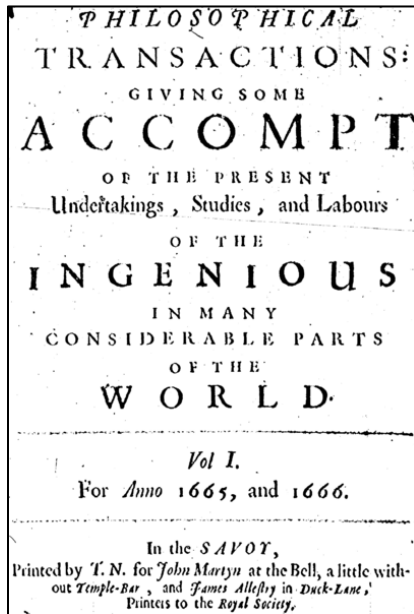
Provided by some traditional publishers

- **Hybrid OA** : subscription journals make some articles OA for a fee.
- **Delayed OA** : free after embargo period 6-12 months.

Provided through institutional repositories (IR) or deposited by the author

- **Green OA** : permitted self-archiving of articles for free public use

Traditional journal publishers



***Philosophical Transactions
of the Royal Society, 1665***

The Royal Society of London

(349 years ago)

WILEY

John Wiley & Sons, 1807

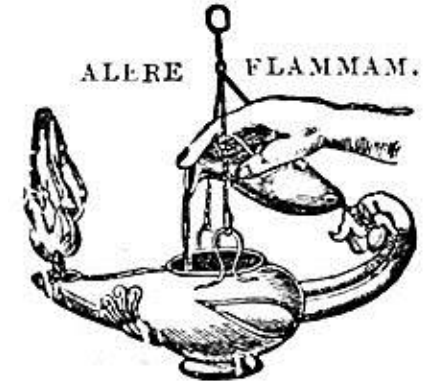
(207 years ago)



ELSEVIER

Founded 1880

(134 years ago)



Taylor & Francis, 1852

(162 years ago)

Gold OA publishers



Randy Schekman,
eLife Editor-in-Chief,
shares 2013 Nobel Prize



Mixed OA (Gold, Hybrid, Delayed, Green) & Free Site



ELSEVIER



 **WILEY** Open Access

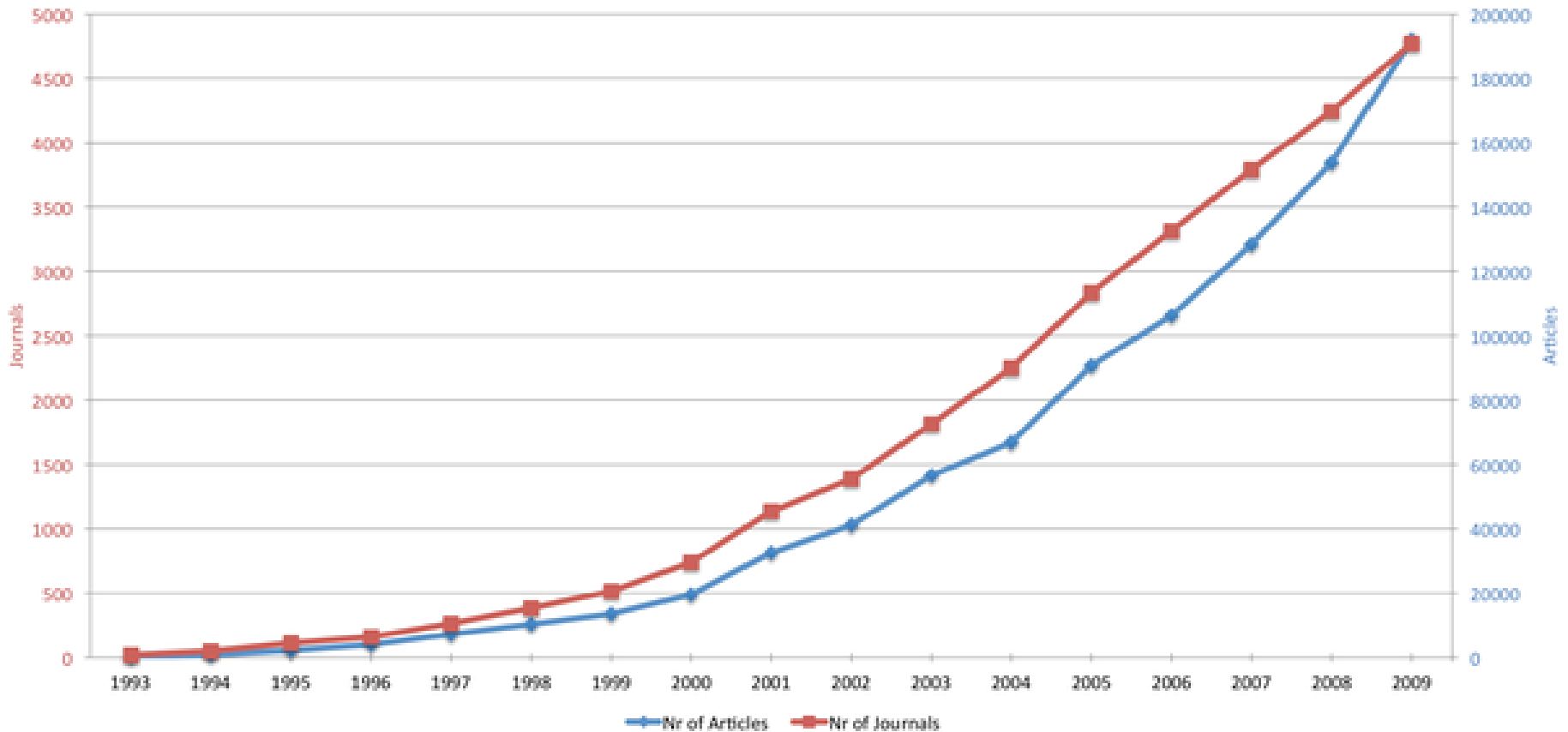


BMJ Open



OA Journal Quantity

The development of open access publishing 1993–2009.



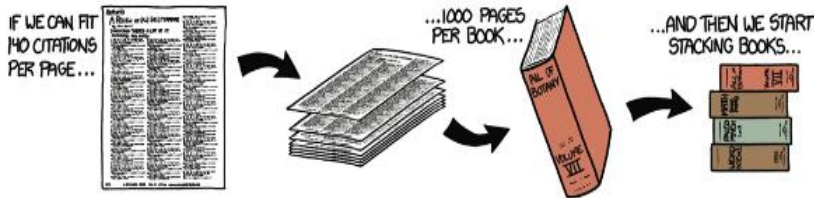
Laakso M, Welling P, Bukvova H, Nyman L, et al. (2011) The Development of Open Access Journal Publishing from 1993 to 2009. PLoS ONE 6(6): e20961. doi:10.1371/journal.pone.0020961

The Rise of Open Access : *Science* 4 October 2013: 58-59.

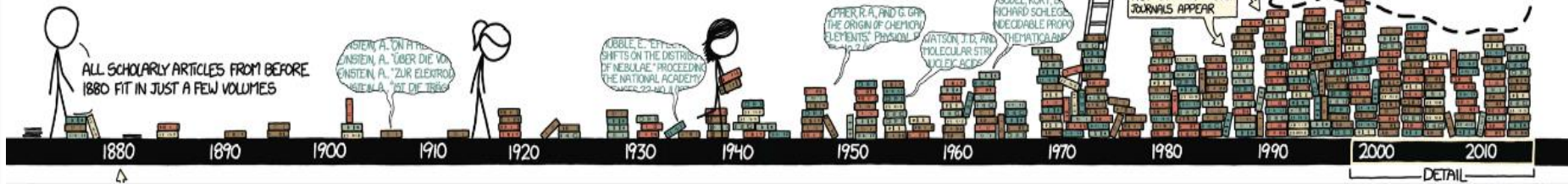
<http://www.sciencemag.org/site/special/scicomm/infographic.jpg>

HOW MUCH SCIENCE IS THERE?

SCIENTIFIC PUBLISHING HAS BEEN ACCELERATING—A NEW PAPER IS NOW PUBLISHED ROUGHLY EVERY 20 SECONDS. LET'S IMAGINE A BIBLIOGRAPHY LISTING EVERY SCHOLARLY PAPER EVER WRITTEN. HOW LONG WOULD IT BE?

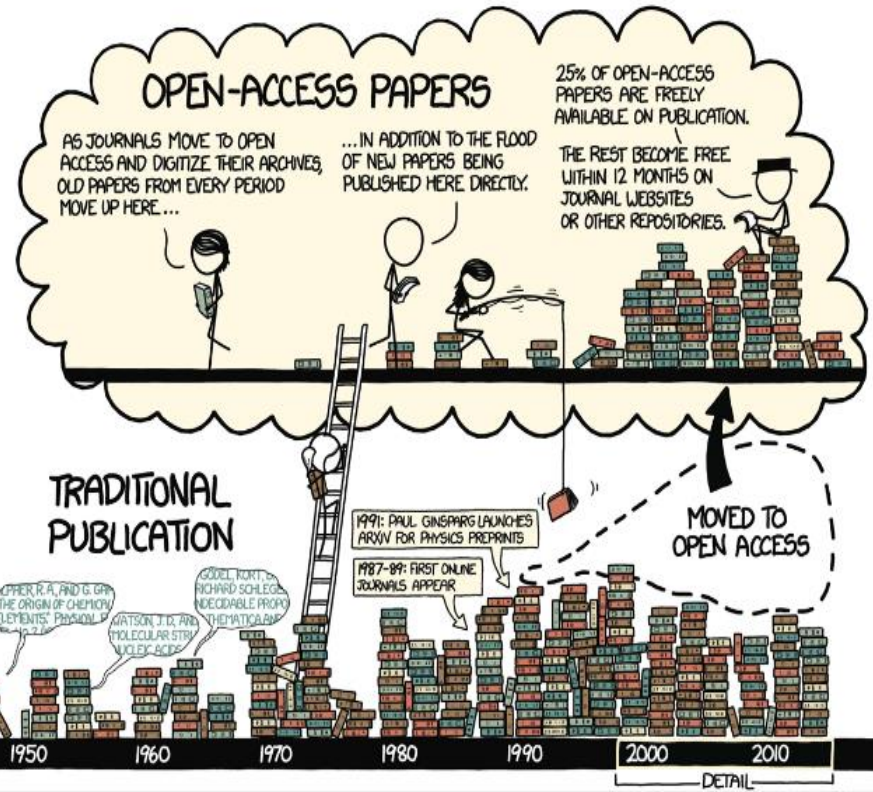


...THIS IS WHAT THE FULL LIST WOULD LOOK LIKE:



HOW OPEN IS IT?

SINCE THE ADVENT OF THE WEB, MUCH OF SCIENTIFIC PUBLISHING HAS BEEN MOVING TO OPEN ACCESS. ACCORDING TO SCIENCE-METRIX, OPEN ACCESS REACHED A "TIPPING POINT" AROUND 2011: MORE THAN 50% OF NEW RESEARCH IS NOW MADE AVAILABLE FREE ONLINE.



OA Policies from Research Funders



- **UK's Research Councils Policy** (RCUK) supports both 'Gold' and 'Green' routes to Open Access
- **EU Research Framework Programmes** (Horizon 2020) support both 'Gold open access' and 'Green open access'
- **US's White House Office of Science and Technology Policy (OSTP)** expanded public access to the results of taxpayer-funded research.

Citizens deserve easy access to the results of scientific research their tax dollars have paid for.

journals articles

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Directory of Open Access Journals is a service that indexes and provides access to quality-controlled Open Access Journals and their articles. The journal must exercise **peer-review** or **editorial quality control** to be included.

OA Journal Quality

Quality Evaluation of OA Journals

- Quality of editors, editorial boards, and referees.
- Quality of editorial process and peer-review system.
- The journal should be published by acceptable publishers with **positive reputation**.
- The journal's publisher should not be listed on **Beall's list of predatory OA publishers**.

Quality Evaluation of OA Journals

- The journal's publisher should be a member of **the Open Access Scholarly Publishers Association (OASPA)** and strictly follow its code of conduct.
- The Journal should be indexed in **Web of Science** (*Thomson*) and/or **Scopus** (*Elsevier*) and/or **other reliable academic databases**.

There are approximately 25,000 peer-reviewed journals published worldwide.



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ELSEVIER

- **Web of Science :**

- over 12,000 of high impact peer-reviewed journals (including approx. 864 open access journals)

- **SCOPUS :**

- 21,000 titles from more than 5,000 international publishers
- 20,000 peer-reviewed journals (including 2,600 open access journals)



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- The Journal is indexed in **Web of Science** database
- The journal is ranked in **Journal Citation Report (JCR)** database
- The journal is ranked by the citation-based metric called **Journal Impact Factor (IF)**

- The Journal is indexed in **Scopus** database
- The journal is ranked in **SCImago Journal Rank (SJR)** database
- The journal is ranked by the Citation-based metrics called **SJR & SNIP**



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Timespan=All Years

Use the Browse and Find features to locate Publication Name titles to add to your query.

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Example: plant to jump to entries which begin with PLANT

Move To

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Enter text to find titles containing the text.

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The Master Journal List includes all journal titles covered in Scientific products.

Refer to the Journal Submission Process if you wish to submit a print or electronic journal for evaluation.

Our essay, The Thomson Scientific Database: The Journal Selection Process, describes the selection process used.

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SCOPE NOTES

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Scopus

Ruchareka Wittayawuttikul

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Note: Only serial source titles are included in this list. For non-serial content such as books and monographs, please use Document Search.

	^ Source title	SJR	i	SNIP	i
1	J AAA, Arbeiten aus Anglistik und Amerikanistik	0.101		0.000	
2	J AAC: Augmentative and Alternative Communication	0.428		1.051	
3	C AACE International Transactions	0.101		0.021	
4	J AAFL Bioflux	0.297		0.597	
5	J AACN Advanced Critical Care	0.222		0.334	
6	J AACN clinical issues (coverage discontinued in Scopus)				
7	J AACN clinical issues in critical care nursing (coverage discontinued in Scopus)				
8	J AANA Journal	0.249		0.429	
9	J AANNT journal / the American Association of Nephrology Nurses and Technicians (coverage discontinued in Scopus)				

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This platform takes its name from the [SCImago Journal Rank \(SJR\)](#) indicator, developed by SCImago from the widely known algorithm [Google PageRank™](#). This indicator shows the visibility of the journals contained in the [Scopus®](#) database from 1996.

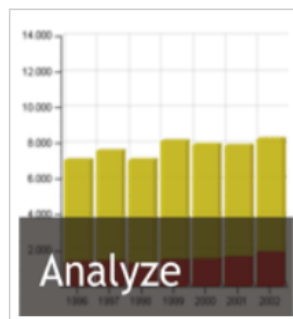
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Title	SJR	H index	Total Docs. (2006)	Docs. (Years)
1 Annual Review of Immunology	22,479	147	25	84
2 Annual Review of Biochemistry	16,199	133	30	86
3 Cell	15,224	354	552	1.1
4 Annual Review of Cell and Developmental Biology	14,192	96	28	
5 Journal of Biological Chemistry	12,484	121	234	
6 Journal of Neurochemistry	12,248	116	179	



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New trends of OA Journal evaluation

Viewed, Cited, Saved, Discussed, Recommended

Peer Review

(single-blind / double-blind)



Open Peer Review

(comments)

- Pre-publication
- Post-publication

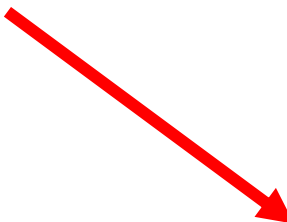
**Citation-based
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(Impact Factor, SJR)



Article-level Metrics

(Page views, PDF download)



Alternative Metrics

/ Almetrics (Star rating,
Bookmarks, Sharing)



OPEN ACCESS PEER-REVIEWED

RESEARCH ARTICLE

31,370	56	202	75
VIEWS	CITATIONS	SAVES	SHARES

The Development of Open Access Journal Publishing from 1993 to 2009

Mikael Laakso , Patrik Welling, Helena Bukvova, Linus Nyman, Bo-Christer Björk, Turid Hedlund

Published: June 13, 2011 • DOI: 10.1371/journal.pone.0020961

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Total Article Views		HTML Page Views	PDF Downloads	XML Downloads	Totals
31,370	PLOS	27,163	2,502	118	29,783
	PMC	1,284	303	n.a.	1,587
	Totals	28,447	2,805	118	31,370

Jun 13, 2011 (publication date) through Jan 6, 2014*

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Subject Areas

- Data processing
- Electronics
- Information retrieval
- Internet
- Open access

Some questionable OA journal publishers take advantage of the author-side payment model.

The more the journals publish, the more money they make.

Scholarly Open Access

Critical analysis of scholarly open-access publishing

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LIST OF STANDALONE JOURNALS

LIST OF PUBLISHERS

Beall's List:

<http://scholarlyoa.com>

Potential, possible, or probable predatory scholarly open-access publishers

This is a list of questionable, scholarly open-access publishers. We recommend that scholars read the available reviews, assessments and descriptions provided here, and then decide for themselves whether they want to submit articles, serve as editors or on editorial boards. The criteria for determining predatory publishers are [here](#).

We hope that tenure and promotion committees can also decide for themselves how importantly or not to rate articles published in these journals in the context of their own institutional standards and/or geocultural locus. We emphasize that journal publishers and journals change in their business and editorial practices over time. This list is kept up-to-date to the best extent possible but may not reflect sudden, unreported, or unknown enhancements.

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List of Predatory Publishers 2014

By Jeffrey Beall

Released January 2, 2014

Year	Number of predatory publishers
2011	18
2012	23
2013	225
2014	477

Some predatory open-access publishers



Scientific & Academic
Publishing



Criteria for Determining Predatory Open-Access Publishers

By Jeffrey Beall

2nd edition / December 1, 2012

For a current list of predatory publishers and journals, please visit: <http://scholarlyoa.com>. The author wishes to thank Bill Cohen and Dr. Michael W. Firmin for their valuable help in preparing this document.

1. Complete an analysis of the publisher's content, practices, and websites according to ethical standards established by membership organizations.

- A. Open Access Scholarly Publishers Association (OASPA) [Code of Conduct](#)
- B. Committee on Publication Ethics (COPE) [Code of Conduct for Journal Publishers](#) [PDF]
- C. International Association of Scientific, Technical & Medical Publishers (STM) [Code of Conduct](#)

2. Complete an analysis of the publisher's content, practices, and websites: contact the publisher if necessary, read statements from the publisher's authors about their experiences with the publisher, and determine whether the publisher commits any of the following practices (below) that are known to be committed by predatory publishers.

<http://www.stm-assoc.org>



International Association of
Scientific, Technical & Medical Publishers
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Companies applying for membership of STM are required to make a [formal written application](#) using the forms provided on the Association [website](#). All applications are reviewed by the STM Board to ensure that applicants adhere to the high professional standards of STM members. The STM Board has sole discretion over the admission of members. Members of STM have agreed to abide by this code of conduct.

- Members should not indulge in any practices or activities that could bring the Association or scholarly, professional or scientific publishing into disrepute
- Members should follow the [STM Ethical Principles for Scholarly Publishing](#) or equivalent statements of their own making or of other bodies such as the [Committee on Publication Ethics](#).
- The status of any peer-reviewed publication should be clear. The process and policies relating to peer review should be clearly outlined on the publication's or the publisher's website
- Where a publication has an editorial board or other governing body, its members should be recognised experts in the field(s) that constitute the scope of the publication
- Any fees or charges related to publishing services in a journal should be clearly stated and be easy to find

Upcoming Events

7th Intensive Course in Journal Publishing – Asia 2014

9th to 12th March 2014
Singapore 639673

STM Innovations Seminar U.S. 2014

Bright Research, Smart Articles
and the new Author Ego-System
29th April 2014
Washington DC, USA

STM Annual U.S. Spring Conference 2014

Stewardship of Knowledge:
Building a Framework for the
Future of Scholarly Publishing
29th April to 1st May 2014
Washington DC, USA

STM 24th Intensive Course in Journal Publishing – Europe

19th to 21st May 2014
Windsor, UK

<http://publicationethics.org>



Promoting integrity in research publication

COPE is a forum for editors and publishers of peer reviewed journals to discuss all aspects of publication ethics. It also advises editors on how to handle cases of research and publication misconduct. [Read more about COPE...](#)

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What are the benefits of COPE membership?

FEATURED

Principles of Transparency and Best Practice in Scholarly Publishing

COPE is just one of a number of organisations that is seeing a large rise in applications for membership from new journals. Although we very much want to encourage and support legitimate new journals, we

NEWS & OPINION view all ▶

News / COPE council members re-elected

30/1/2014 4.30pm

COPE is very pleased to announce the re-election of two COPE council members following our recent elections:

News / Programme for COPE European Seminar 2014, Brussels, Belgium, 14 March 2014

13/1/2014 9.57am

in cooperation with the Representation

<http://oaspa.org>



Open Access Scholarly Publishers Association

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Welcome to the Open Access Scholarly Publishers Association, OASPA.

OASPA offers a forum for bringing together the entire community of Open Access journal publishers.

Our mission is to represent the interests of Open Access (OA) journal and book publishers globally in all scientific, technical and scholarly disciplines. This mission will be carried out through exchanging information, setting standards, advancing models, advocacy, education, and the promotion of innovation.

Through a shared interest in developing appropriate business models, tools and standards to support OA publishing, we can ensure a prosperous and sustainable future to the benefit of our members and the scholarly communities they serve. OASPA would like to thank **SPARC Europe** for its support during our initial phase of operation.

<http://www.oaspa-asia-conference.com>

OASPA's 1st Asian Conference on Open Access Scholarly Publishing

2- 3 June 2014

Shangri-La Hotel, Bangkok, Thailand



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COASP Asia – Provisional program

Day One: Monday 2 June 2014

12:00 – Registration and welcome lunch

13:00 – Welcome remarks, *Paul Peters, OASPA*

Registration



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THE CHRONICLE OF HIGHER EDUCATION

February 8, 2011 by [Josh Fischman](#)

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Scholars Favor Open-Access Journals, but Some Say Quality and Fees Are Concerns

A new survey of nearly 40,000 scholars across the natural sciences, humanities, and social sciences shows that almost 90 percent of them believe open-access journals are good for the research community and the individual researcher. But charges for publishing and the perception that open-access journals are of lower quality than traditional publications deter scholars from the open-access route, according to the [Study of Open Access Publishing](#) report, by an international team of researchers.

The survey was done in 2010, and respondents were scholars who had published at least one article in a peer-reviewed journal during the past five years. They were contacted via e-mail, using lists furnished by publishers SAGE, Springer, BioMed Central, Thomson Reuters, and others. Scholars in the humanities were the most favorable toward open-access journals, with more than 90 percent of people in those fields seeing benefits. Researchers in natural sciences like chemistry and physics and engineering were not far behind, with about 80 percent approving.

But scholars also noted they felt there were certain reasons to avoid open-access journals. When asked, 29 percent said they had not published in such journals and gave these reasons:

Conclusion :

- Journal publishing business models in the internet era has shifted from **traditional (subscription-based)** to **open access (author-side payment)** model.
- **In term of quantity**, scientific publishing has been accelerating and moving to open access with a rapid growth rate.
- The model of publishing should not affect **quality of publication** if OA journals and traditional journals can maintain a good standard of editorial process and peer-review system.

- Authors should publish their articles in journals that are indexed in **Web of Science (Thomson)** and/or **Scopus (Elsevier)** and/or other **reliable academic databases**.
- The journals of choice should also belong to acceptable publishers with **positive reputation**. The journal's publishers should not be listed on **Beall's list of predatory OA publishers**.
- The journal's publisher should be a member of the **Open Access Scholarly Publishers Association (OASPA)** and strictly follow its code of conduct.

Thank you for your
kind attention !