

# 學術出版的目標

## 談期刊的選擇

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# 出版使文明跨出一大步



生存最大的障礙: 不了解因果關係



人類透過紀錄傳承存活經驗 (探索與觀察)，使未來更好



動物的存活經驗難傳承

# 教育與學術 出版

義務教育: 大多以書為教材 (知識)

高等教育: 發新現新知為主要任務 (期刊) (證據轉譯為知識)

書與學術期刊的差異

- 書以單一標題發表乙次(可再版), 傳遞知識為主 (同儕審查機制可有可無)
- 期刊定期出版要求將證據轉譯新知(須同儕審查機制)

# 學術出版攸關社會進步的速度

行業目標: 知識拓展與傳播速度極大化

# 達到行業目標的基礎

考量知識影響力文章容易看懂

證據忠實呈現、解讀中立、再現性高

鼓勵挑戰過去的知識、確認正確性

拓展知識不被少數人壟斷



Half of what we know is wrong, the  
purpose of science is to determine  
which half.

— *Arthur Kornberg* —

AZ QUOTES

# 開放同儕審評 (Open peer review)

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## PROCEEDINGS OF THE ROYAL SOCIETY A

MATHEMATICAL, PHYSICAL AND ENGINEERING SCIENCES

### Open Peer Review

*Proceedings A* gives authors and reviewers an option to choose between traditional and open peer review.

Traditional peer review is a relatively private affair, with the referee reports being seen by only a handful of individuals and the name of the referee being seen by even fewer. The move towards transparency in scientific publishing has led to a number of journals adopting a more open model.

Where authors opt for open peer review, *Proceedings A* will make the editorial process transparent for all accepted papers, by publishing reviewer reports, the substantive part of decision letter after review and the associated author responses alongside published articles. This will allow readers to better assess the published paper and provide post-publication comments (which will also be published). If the reviewers have opted to disclose their names this will be included too. Referee reports are made public under the [CC-BY open access licence](#).

Please note that it is not permitted to publish reviewer reports, decision letters and author responses for rejected papers.

Authors will be able to choose on submission whether they want traditional or open peer review. Referees will be notified when we ask them to review if the authors have chosen open peer review. Referees will be given the option when completing the reviewer form to disclose their name or remain anonymous.

# 行業創新: 開放取用 (Open access)

- 學術界是小型社會，難免有學派
- Open access可跳脫出版空間有限與小團體的問題
- 由市場決定適者生存
- 全文可下載、影響力提高
- 價格由作者負擔(經濟體貧富差距問題)



# OMICS Journal vs Nature Communication

Journal Title	ISSN	Publication Fee (USD)	Publication Fee (Euro)
Abnormal and Behavioural Psychology	2472-0496	279	250
Acta Chimica and Pharmaceutica Indica	2277-288X	300	281
Acta Psychopathologica	2469-6676	1819	1705
Acute and Chronic Disease Reports	-	719	674
Advanced Practices in Nursing	2573-0347	1519	1424
Advanced Techniques in Biology & Medicine	2379-1764	1819	1705
Advancements in Genetic Engineering	2169-0111	1019	955
Advances in Applied Science Research	0976-8610	1019	955
Advances in Automobile Engineering	2167-7670	1519	1424
Advances in Cancer Prevention	2472-0429	1000	937
Advances in Crop Science and Technology	2329-8863	1147	1019
Advances in Dairy Research	2329-888X	1519	1424
Advances in Molecular Diagnostics	2572-5645	519	487
Advances in Pharmacoepidemiology & Drug Safety	2167-1052	1819	1705

## Article processing charges

*Nature Communications* is an open access journal. To publish in *Nature Communications*, authors are required to pay an article processing charge (APC).

The APC for all published papers is as follows, plus VAT or local taxes where applicable:

£3,790 (UK)

\$5,380 (The Americas, China and Japan)

€4,380 (Europe and rest of world)

# 掠奪性期刊 (Predatory journal) Beall's list

## Jeffrey Beall

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From Wikipedia, the free encyclopedia

*Not to be confused with [Jeff Beal](#), a composer.*

**Jeffrey Beall** is an American librarian and [library scientist](#), best known for drawing attention to "[predatory open access publishing](#)", a term he coined,<sup>[1]</sup> and for creating what is now widely known as [Beall's list](#), a list of potentially predatory open-access publishers. He is a critic of the [open access publishing](#) movement and particularly how predatory publishers use the open access concept, and is especially known for his [blog](#) *Scholarly Open Access*. He has also written on this topic in *The Charleston Advisor*, in *Nature*,<sup>[2]</sup> in *Learned Publishing*,<sup>[3]</sup> and elsewhere.<sup>[4]</sup>

When Beall created his list, he was employed as a librarian and [associate professor](#)<sup>[5]</sup> at the [University of Colorado Denver](#). More recently, he was a librarian at [Auraria Library](#) in [Denver](#) until March 2018.<sup>[6]</sup>



**Claudine Tekounegning Tiogué** added an answer

January 25

Hi Albert E. Patterson!

I very agree with you that Beall's list was a good effort but he took it way too far and there was a lot of personal bias involved (and some hypocrisy if we are being honest).

# OMICS

- OMICS is widely regarded as a predatory publisher.
- Other criticisms of OMICS include the publication of pseudoscientific articles, deceptive marketing practices, targeting of young investigators or those in lower income regions.
- Holding papers hostage by disallowing their withdrawal (preventing them from being published by other journals).
- OMICS provides fake lists of scientists as journal editors to create an impression of scientific legitimacy, even though they are not involved in any review or editing process.
- Critics assert that the main purpose of the publisher is commercial rather than academic.
- In September 2014, PubMed Central blacklisted OMICS journals, claiming serious concerns over OMICS' publishing practices. In 2017, Scopus delisted several OMICS journals for "publication concerns".
- A Bloomberg News investigation in 2017 noted a tendency of pharmaceutical companies to publish in these journals, which might have stemmed from a self-interest in skipping rigorous review procedures. They were also the major sponsors of OMICS conferences.

# 知名期刊Nature與Science也非完美

NEWS · 27 AUGUST 2018

## High-profile journals put to reproducibility test

Researchers replicated 62% of social-behaviour findings published in Science and Nature — a result matched almost exactly by a prediction market.

[Philip Ball](#)

# 期刊主編如何選擇稿件

## 一流期刊

- 標題能不能立即引起讀者注意
- 影響讀者的廣泛程度
- 是否對領域造成深遠影響
- 篇幅求精簡?

## 普通期刊

- 是否有新發現
- 發現的重要性
- 證據品質
- 闡釋結果偏見

# 影響力指標 (引用+媒體轉載)



UM Publication - Article

## Aerobic exercise elevates markers of angiogenesis and macrophage IL-6 gene expression in the subcutaneous adipose tissue of overweight-to-obese adults.

*Journal of Applied Physiology*, 123(5), 1150-1159, November 2017

<https://doi.org/10.1152/jappphysiol.00614.2017>

### Authors


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### Abstract

© Copyright 2017 the American Physiological Society. Alterations in the inflammatory state, metabolic function, and structure of subcutaneous adipose tissue (SAT) can impact the development of insulin resistance in obesity. Exercise can improve metabolic health in obesity, but the effects of exercise on SAT are not well known. The purpose of this study was to examine the effects of acute exercise and habitual exercise training on mRNA expression of markers of lipid metabolism, inflammation, fibrosis, and hypoxia/angiogenesis in SAT, as well as adipocyte cell size. We recruited overweight-to-obese adults who exercised regularly (ACTIVE: n = 8) or were sedentary (SED: n = 12). The groups were well matched for age ( $27 \pm 1$  vs.  $24 \pm 2$  yr), body mass index ( $29 \pm 1$  vs.  $27 \pm 1$  kg/m<sup>2</sup>), and body composition ( $30 \pm 1$  vs.  $29 \pm 1\%$  [more](#)



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### Publication metrics

#### Dimensions Badge








 **10** Total citations  
 **10** Recent citations

 **6.23** Field Citation Ratio  
 **0.99** Relative Citation Ratio

#### Altmetric



 News (16)  
 Blogs (1)  
 Twitter (15)  
 Facebook (3)  
 Mendeley (54)

# Nature如何決定接受稿件

- *Nature* does not employ an editorial board of **senior scientists**, nor is it affiliated to a scientific society or institution.
- The judgement about which papers will interest a broad readership is made by *Nature's* editors, not its referees.
  - Original scientific research (the main results and conclusions must not have been published or submitted elsewhere)
  - Outstanding scientific importance
  - **Reach a conclusion of interest to interdisciplinary readership.**

# 出版業就是媒體業的一環

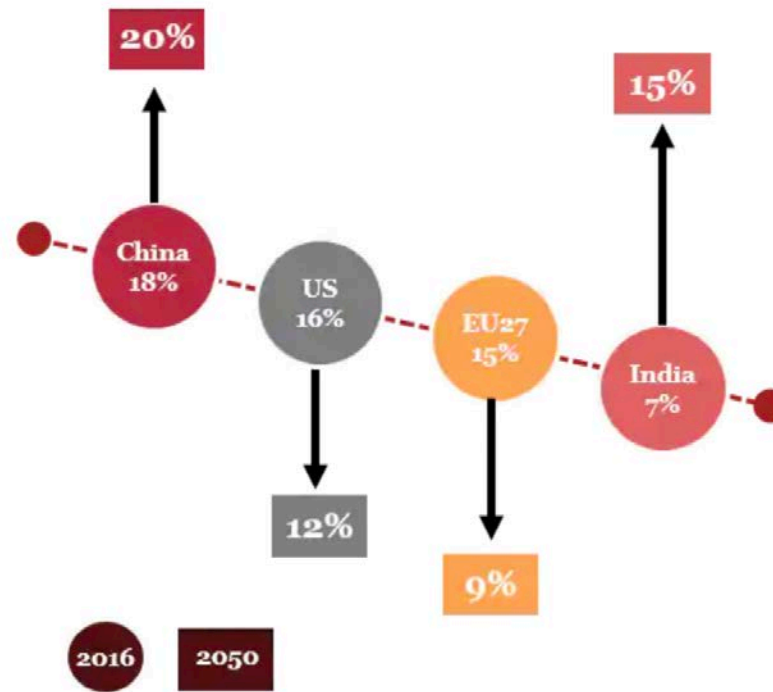
掌握話語權可引領社會走向



# 出版業是市場的一部分

*The US and Europe will steadily lose ground to China and India*

*Share of world GDP (PPPs) from 2016 to 2050...*



Sources: IMF for 2016 estimates, PwC analysis for projections to 2050

# 結語

學術出版業前景看好，能創造高影響力者存活機會高

出版業目標: 加速知識累積有益社會發展

期刊主編將以影響力(閱讀率、引用率)為第一考量

應以知識拓展與傳播速度極大化為目標，考量以下:

- 掠奪性期刊用詞的正確性、開放取用、開放同儕審查、學術規範訂定