

Open Access: do we need a «transition» or new models?

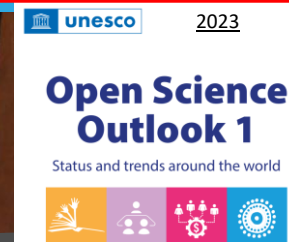
Elena Giglia

University of Turin



For open science to reach its full potential, it must be a truly global equitable phenomenon.

Let's start with some numbers



YEARS TO **TRANSITION** TO FULL OPEN ACCESS AT THE CURRENT PACE (WITH TRANSFORMATIVE AGREEMENTS)

72

12,6B \$

PAID BY PUBLIC MONEY IN SUBSCRIPTIONS IN 2023

OPEN ACCESS FEE (APC) TO PUBLISH **ONE** ARTICLE IN NATURE. THE OPPOSITE OF «OPEN ACCESS»

12.290 \$



TO CLOSE BEHIND PAYWALLS A CONTENT CREATED WITH PUBLIC MONEY, AUTHORED FOR FREE, REVIEWED FOR FREE

2 – Gold Open Access – same publishing process as above. The difference is that when an article is accepted for publication, the author/s or funder/s pay an Article Processing Charge (APC). The final version of the published article is then free to read for everyone. The APC to publish Gold Open Access in *Nature* is £8890.00/\$12290.00/€10290.00. 2024

Retraction Watch

Some more on Papers and peer reviews with evidence of ChatGPT writing

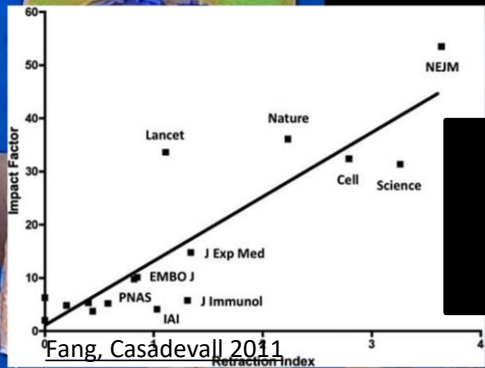
Biomedical retractions due to misconduct in Europe: characterization and trends in the last 20 years

2024

Open access | Published: 04 May 2024
(2024) [Cite this article](#)

66%
RETRACTIONS FOR MISCONDUCT
[BTW RETRACTIONS INCREASED 4X]

92
PAPERS WITH EVIDENCE OF CHATGPT WRITING
(AND NOBODY NOTICED)



DIRECT CORRELATION IF/#RETRACTIONS

2024
NEWS | 11 December 2023
Surge in number of 'extremely productive' authors concerns scientists
Some researchers publish a new paper every five days, on average. Data trackers suspect not all their manuscripts were produced through honest labour.

60/YEAR
PAPERS PUBLISHED BY DOZENS OF «HYPERPRODUCTIVE» AUTHORS

nature International weekly journal of science

Home | News & Comment | Research | Careers & Jobs | Current Issue | Archive | Audio & Video

Archive | Volume 533 | Issue 7604 | News Feature | Article

NATURE | NEWS FEATURE

Nature 2016

1,500 scientists lift the lid on reproducibility
Survey sheds light on the 'crisis' rocking research.

UP TP 70%
NOT-REPRODUCIBLE STUDIES

Check for updates at [Crossref](#)

Surfaces and Interfaces

Journal homepage: www.aipublishing.com/surfacesandinterfaces

... is a typical prologue produced by the AI chatbot ChatGPT when generating a question/prompt.

1. Introduction

Certainly, here is a possible introduction for your topic: Lithium-metal batteries are promising candidates for high-energy-density rechargeable theoretical



Coalition for Advancing Research Assessment

Our vision is that the assessment of research, researchers and research organisations recognises the diverse outputs, practices and activities that maximise the quality and impact of research. This requires basing assessment primarily on qualitative judgement, for which peer review is central, supported by responsible use of quantitative indicators.

TIME'S UP!!!

- THE REFORM OF RESEARCH ASSESSMENT IS ONGOING
- COARA LAUNCHED IN 2022, WORKING GROUPS AND NATIONAL CHAPTERS ACTIVE
- 734 SIGNATORIES [MAY.2024]
- **COMMITMENT: NO LONGER IMPACT FACTOR OR RANKING**
- **CONSIDER ANY RESEARCH OUTPUT**

The Commitments

1. Recognise the diversity of contributions to, and careers in, research in accordance with the needs and nature of the research
2. Base research assessment primarily on qualitative evaluation for which peer review is central, supported by responsible use of quantitative indicators
3. Abandon inappropriate uses in research assessment of journal- and publication-based metrics, in particular inappropriate uses of Journal Impact Factor (JIF) and h-index
4. Avoid the use of rankings of research organisations in research assessment

SCIENTIFIC INVESTIGATION >

Apr. 2024

Elisabeth Bik, expert in scientific integrity: 'We need to slow down scientific publishing'

The Dutch microbiologist has been voluntarily searching for duplicate, erroneous or retouched academic images for more than 10 years and warning universities and scientific journals about it

«QUANTITATIVE INDICATORS MAY LEAD TO NEGATIVE BIASES IN QUALITY, REPRODUCIBILITY, AND INTEGRITY»

I. Reform of research assessment systems in Europe

ACKNOWLEDGES that research assessment systems should focus on quality and impact, and RECALLS that the current research assessment systems are nowadays to a great extent too focused on the use of some quantitative journal- and publication-based indicators and the evaluation of a narrow range of research outputs; CONSIDERS that such an approach may lead to negative biases in terms of research quality, reproducibility and integrity; STRESSES that research assessment should include other research outcomes and processes and promote early knowledge sharing and collaboration to accelerate the implementation of Open Science policies and practices;



OUTCOME OF PROCEEDINGS

From:	General Secretariat of the Council
On:	10 June 2022
To:	Delegations
No. prev. doc.:	9515/22
Subject:	Research assessment and implementation of Open Science - Council conclusions (adopted on 10 June 2022)

...should we look for something else??



Council calls for transparent, equitable, and open access to scholarly publications

Today the Council has adopted conclusions on the 'high quality, transparent, open, trustworthy and equitable scholarly publishing', in which it calls for immediate and unrestricted open access in publishing research involving public funds.

EU speaking

OUTCOME OF PROCEEDINGS

From: General Secretariat
On: 23 May 2023
To: Delegations
No. prev. doc.: 8827/23
Subject: High-quality, transparent publishing

RECOGNISES WITH CONCERN THAT SUBSCRIPTIONS ARE BECOMING UNSTAINABLE AND DECREASE PUBLIC FUNDS FOR RESEARCH)

5. NOTES that the current system of scholarly publishing is operated by various for-profit and not-for-profit organisations and RECOGNISES with concern that the increasing costs of paywalls for access to scientific publications and for scholarly publishing cause inequalities and are becoming unsustainable for public research funders and institutions accountable for the spending of public funds, decreasing funding available for research;

BOTH SUBSCRIPTIONS AND HUGE APCs ARE NOT SUSTAINABLE

7. STRESSES that it is essential to avoid situations where researchers are limited in their choice of publication channels due to financial capacities rather than quality criteria, and where access to research publications is restricted by paywalls; WELCOMES coordination within the EU and with global partners to support equity in scholarly publishing, taking account of the UNESCO Recommendation on Open Science⁶;

APCs LIMIT THE CHOICE OF PUBLICATION / PAYWALLS RESTRICT ACCESS

16. ENCOURAGES Member States and the Commission to invest in and foster interoperable, not-for-profit infrastructures for publishing based on open source software and open standards, in order to avoid the lock-in of services as well as proprietary systems, and to connect these infrastructures to the EOSC;

ENCOURAGES NOT-FOR-PROFIT

Diamond Open Access

Diamond OA?

A definition based on the values of our community

- **A publication:** ISSN, ISBN, DOI
- **A scholarly publication:** content is peer reviewed
- **An open access scholarly publication:** free access to content and open license
- **A “No-APC” open access scholarly publication:** no fee or membership to publish
- **A “scholar-driven or owned” “No -APC” open access scholarly publication:** publisher as a scholarly organisation or editorial independence formally guaranteed

Slide courtesy of Pierre Mounier [OPERAS conference 2024]

OPERAS   This project has received funding under the Horizon Europe Framework Programme under Grant Agreement No 101079602. OPERAS received funding under the Horizon Europe and Horizon 2020 programmes and from its members: www.operas.eu/about/operas

“By strengthening the Diamond Open Access sector we are contributing to support a scholarly publishing model that is equitable, community-driven, and academic-led and -owned.”

Lidia Borrell-Damián

Secretary General of Science Europe

Mar 2022

ACTION PLAN FOR
DIAMOND
OPEN ACCESS
MARCH 2022

‘Diamond’ Open Access refers to a scholarly publication model in which journals and platforms do not charge fees to either authors or readers. Diamond Open Access journals represent community-driven, academic-led and -owned publishing initiatives. Serving a fine-grained variety of generally small-scale, multilingual, and multicultural scholarly communities, these journals and platforms embody the concept of bibliodiversity. For all these reasons, Diamond Open Access journals and platforms are equitable by nature and design.

Diamond Action Plan



Diamond

Manifiesto sobre la Ciencia como Bien Público Global: Acceso Abierto No Comercial Oct. 27, 2023



- 1** **Derecho universal**
La ciencia es un bien público global y el acceso a ella es un derecho universal
- 2** **Equidad, diversidad y multilingüismo**
La ciencia es inclusiva, multilingüe, accesible, reutilizable y colaborativa.
- 3** **Propiedad de la academia y patrimonio de la humanidad**
La producción científica es propiedad de la academia y se debe al desarrollo y progreso de la sociedad como patrimonio de la humanidad
- 4** **Reconocimiento y valoración**
Las entidades de acreditación, investigación y financiación deben reconocer, evaluar e incentivar los medios no comerciales de producción y circulación del conocimiento científico.
- 5** **Colaboración**
La interacción y colaboración entre los agentes no comerciales, publicaciones científicas e infraestructuras abiertas es necesaria para la construcción de ecosistemas de bienes públicos.

FEDERATED GLOBAL COMMUNITY

1. COMMUNITIES
2. CAPACITY CENTERS
3. CAPACITY HUBS
4. GLOBAL FEDERATION

Towards a federated global community of Diamond Open Access Dec. 2023

A discussion paper!

Pierre Mounier (OpenEdition, OPERAS) & Johan Rooryck (coAllition S)

GLOBAL SUMMIT



QUALITY FRAMEWORK

EQSIP 1.0

Funding	Ownership and governance	Open Science Practices	Editorial Quality, Editorial Management and Research Integrity
Principles of transparency	Transparent ownership structure, organization, and community governance	Open Access and Open Science policies	Editorial management
Long-term vision	Editorial freedom	Open Science compliance	Evaluation process
Visibility, Indexation, Communication, Marketing and Impact	Content ownership	Authors' rights, Intellectual Property Rights and licensing	Research integrity
Equity, Diversity and Inclusion (EDI)	Relationship between the editor and the Institutional Publisher	Research data sharing and data availability policies	Technical Service Efficiency
Equity, Diversity and Inclusion	General Terms and Conditions (the use of the infrastructure or platform)	Research protocols and methods sharing and publishing	Software and interoperability
Inclusive / Accessible website, content and metadata	Repository deposits	Open research software	Metadata
Multilingualism	Publication and sharing of negative scientific results	Open peer review	Content formats and preservation
	Incentives and rewards	Preprints	Platform functionalities

EQSIP 1.0

Peer Community in

PCI, a free recommendation process of scientific preprints based on peer reviews and a journal



Service:

What it does

Episciences offers an overlay journal model

- Operating on top of Open Access repositories
 - single-blind review
 - open peer-review
- Ensuring that all versions remain available online
 - During the whole publication process
 - If the journals disappears or moves, updates are still possible

Guides for OpenAIRE Services

Episciences

Overlay Journal Platform



DEPOSIT

your preprint, data, script and code in any open repository



SUBMIT

your article to a PCI for open peer-review by researchers in your field



VALIDATE

your article with a published, free and citable recommendation from the PCI



PUBLISH

For free in Peer Community Journal or submit to a PCI-friendly or other journal

Following submission by authors, the thematic PCIs evaluate preprints in their scientific fields based on rigorous peer review. After evaluation, the PCIs may recommend those preprints, to make them complete, reliable and citable articles, without the need for publication in 'traditional' journals. Authors who need to publish their article in a journal can publish it for free in Peer Community Journal or submit it to a PCI-friendly or other journal.

PREPRINT+OPEN PEER REVIEW A DIFFERENT, OPEN PUBLICATION WORKFLOW

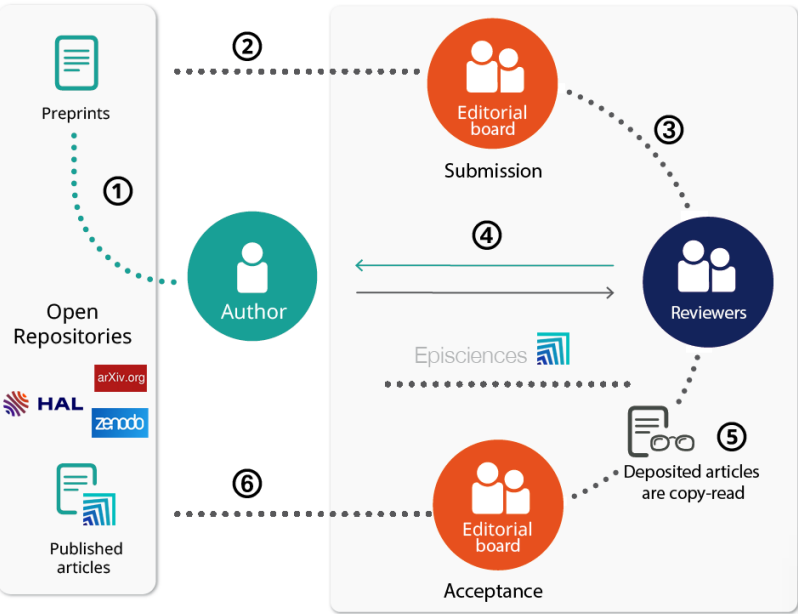


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EPISCIENCES / OPENAIRE
• OVERLAY JOURNAL
• PREPRINT+OPEN PEER REVIEW

No profit

THE PROFIT MOTIVE HAS NO
PLACE IN SCHOLARLY
LITERATURE

The Open Library of Humanities launches *Theory and Social Inquiry*

2024

Posted by Paula Clemente Vega on 14 May 2024

OLH Executive Director Dr Caroline Edwards said: “I’m thrilled to be working with the former editorial team of *Theory and Society*. As scholars, we need to stand up to commercial publishers when they vandalise the academic integrity of journals, which have been carefully built up over decades by volunteer academic labour. The profit motive has no place in scholarly publishing. *Theory and Social*

THANK YOU!