

WILEY

ENABLING DISCOVERY | POWERING EDUCATION | SHAPING WORKFORCES

开放科学中的出版实践与创新

杨柳, Open Research Manager, Wiley

2023.10.13

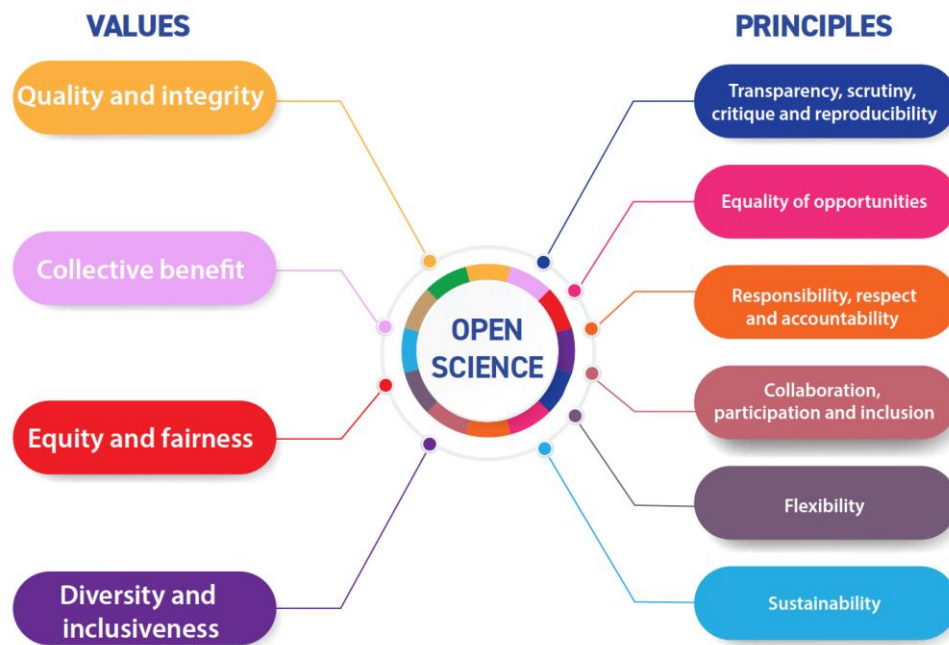
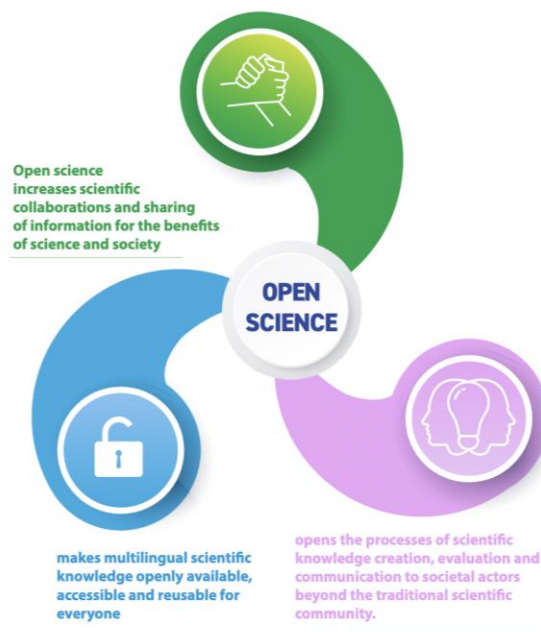
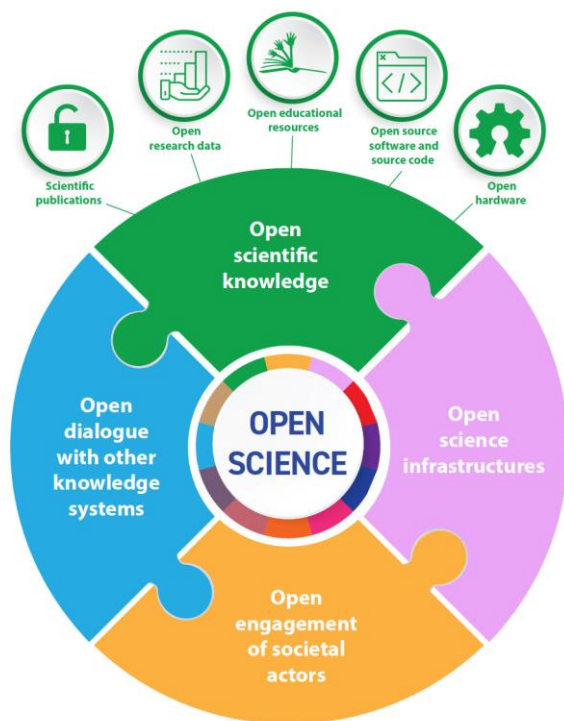


What is open science...?

2021年11月，联合国教科文组织发布《开放科学建议书》，呼吁世界各国致力于更加开放、透明、协作和包容的科学实践，充分彰显出开放科学已经成为国际共识。



开放科学的构成：开放获取、开放数据、开放基础设施及开放举措



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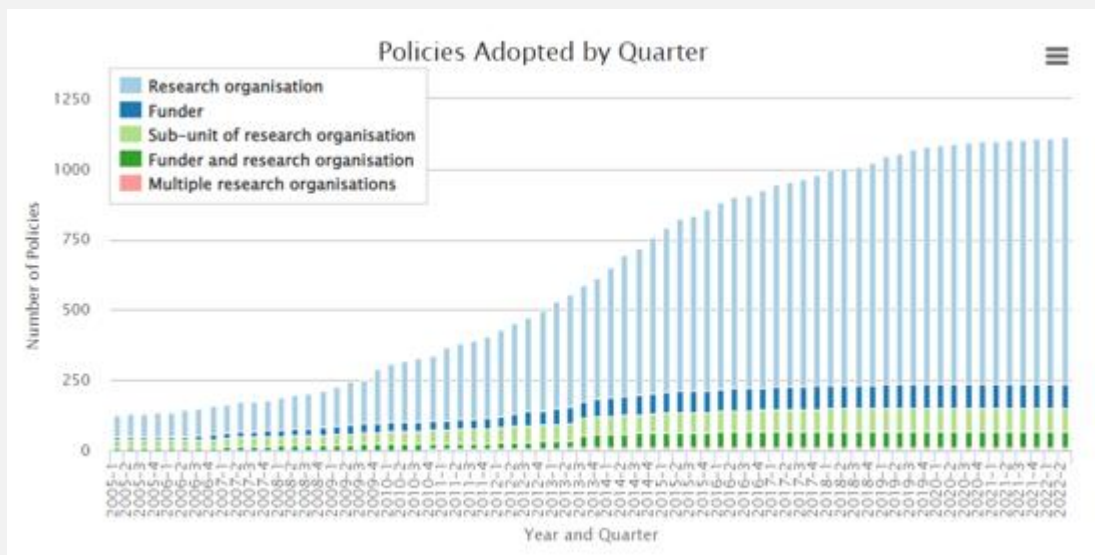
全球开放获取期刊及
文章激增

Publication output
growth overview

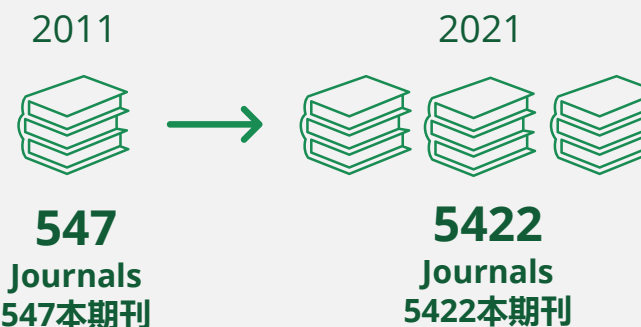


全球开放获取政策激增、对开放获取的关注与日俱增

Proliferation of OA Policies and Mandates 广泛的OA政策支持



Growth of Gold Open Access Journals 金色开放获取期刊



Between 2011 and 2021 the number of gold open access journals globally grew dramatically to nearly five and a half thousand
在2011年至2021年间，全球的金色开放获取期刊数量快速增长至近5500本

Increasingly in the Public Eye 日益增长的曝光度

THE CONVERSATION

The US has ruled all taxpayer-funded research must be free to read. What's the benefit of open access?

Published: August 30, 2022 6:03am AEST

Speech

Science Minister announces UKRI's open access policy

Amanda Solloway talks about UK Research and Innovation's (UKRI) new open access policy at a virtual roundtable hosted by Imperial College London.

InnovationAus.com
PUBLIC POLICY AND BUSINESS INNOVATION

Chief Scientist plan for free research access for all

NEWS | 30 September 2020 | Clarification 02 October 2020

India pushes bold 'one nation, one subscription' journal-access plan

Researchers will also recommend an open-access policy that promotes research being shared in online repositories.

全球开放获取期刊及文章激增

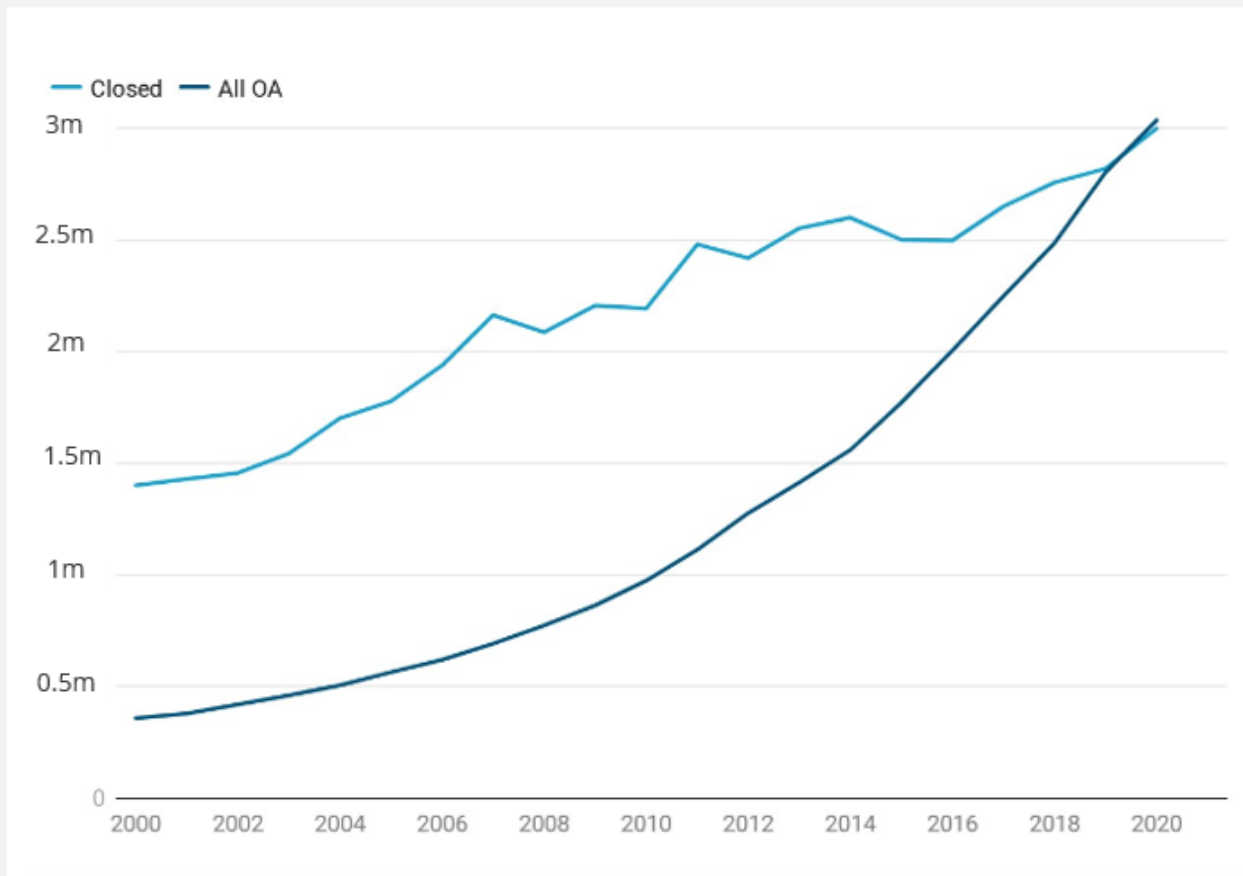


More open than closed! 更多的开放获取!

In 2020 global open access output surpassed closed output for the very first time
2020年，全球的开放获取产出首次超出订阅模式的产出

*Source: Dimensions Feb 2021; includes Gold, Hybrid, Bronze and Green

Open Access Content 开放获取内容



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**Wiley and Open
Research**
Wiley开放研究实践



引领和推动向开放转型 | 开放出版的价值

Wiley has been leading & empowering the transition to Open

▪ Technology

- [开放获取管理流程解决方案 Oable](#)
- 领先的期刊服务平台 Atypon
- Wiley Research Exchange (ReX)

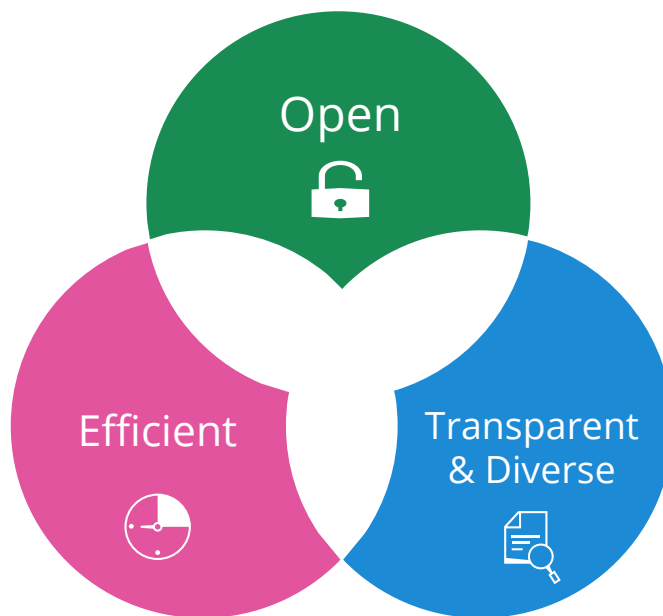
▪ Service

- Wiley OA account
- Imaging Screening Service

▪ Practices

- [开放数据政策 Open Data policy](#)
- 注册报告 Registered Report
- 预印本 Preprint

▪ ...



▪ Lead the transition

- 期刊过渡至OA出版 Transition journals to OA
- [创办新期刊 New journal launches](#)
- 签订转换协议 Transformational Agreements

▪ Empower the transition

- [合作伙伴解决方案部门赋能 Partner Solutions to empower the transition to OA](#)
- ...

▪ Transparent:

- 透明同行评审 Transparent peer review

▪ Diverse:

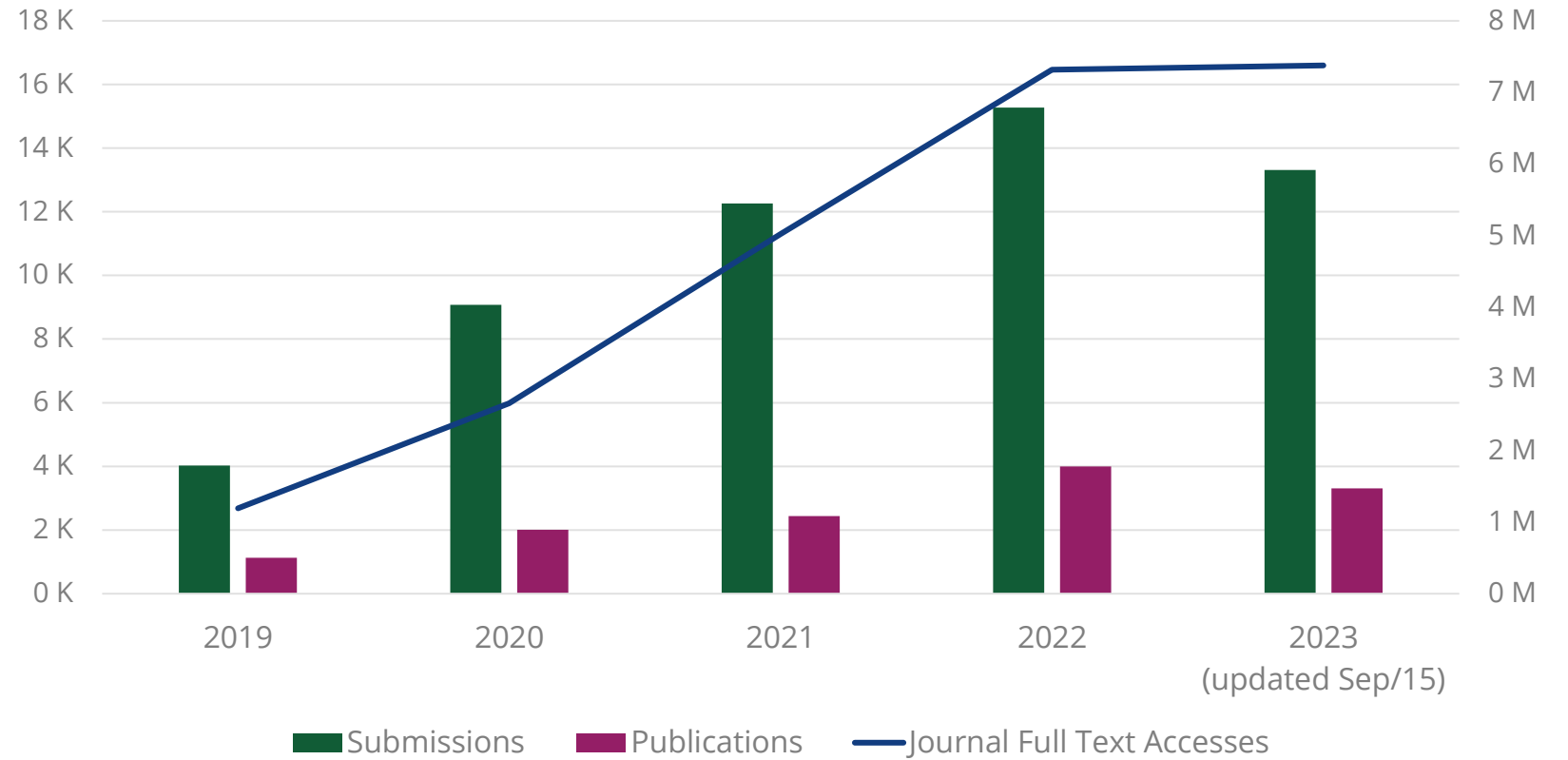
- 签署《科研评价宣言》 DORA signatory
- 支持中低收入国家地区 Supporting LMIC
- 开放科学大使计划 Open Science Ambassador Program

Wiley中国合作出版开放获取期刊

Wiley China Gold OA journals Wiley中国合作出版开放获取期刊

Health Sciences	33
Life Sciences	16
Physical Sciences	26
Social Sciences & Humanities	3
Total	78

China Gold OA Journals' Performance



Wiley 神经心理学开放获取期刊群

期刊群



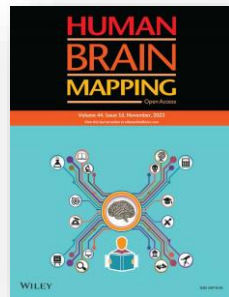
PsyCh Journal



Mental Health Science



JCPP Advances

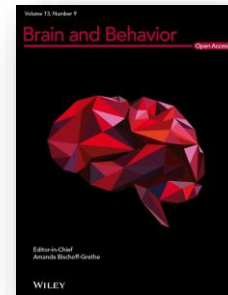


Human Brain Mapping

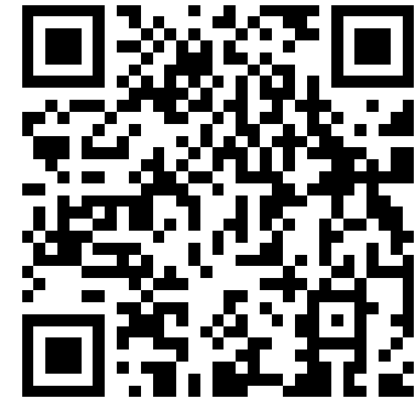
问卷调查



Diversity & Inclusion Research



Brain and Behavior

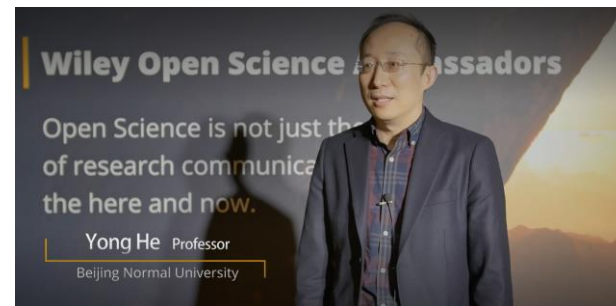


Wiley积极促进心理学研究的发展，帮助中国学者在世界舞台发声，邀请你填写问卷调查。

Wiley 开放科学大使 Open Science Ambassador Program

Ever since the OSA program's launch in 2019, we've invited a total of 32 ambassadors, held & attended over 30 online & in-person events to hear the Chinese research community's needs and wants.

- *Ambassador interviews*
- *Wiley Research Talks Podcast (Mandarin)*
- *Wiley-National Science Library (NSL), CAS webinars*
- *Talks on China Life Sciences Databases*
- *OSA Talks*
- *OSA Newsletter*



2022, Wiley co-organized events with NSL, CAS



2022, Wiley organized talks on China's Life Sciences Databases



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Wiley 开放数据政策

- Research data is as important as the published article. When data is **FAIR (Findable, Accessible, Interoperable, Reusable)**, the process becomes more efficient as you can access and analyse each other's' results and reuse it to inform new findings.
- Authors of articles published in Wiley journals are encouraged to share their research data including, but not limited to: raw data, processed data, software, algorithms, protocols, methods, materials.
- Visit re3data.org or fairsharing.org to help identify registered and certified data repositories relevant to your subject area

	Data availability statement is published ¹	Data has been shared ²	Data has been peer reviewed ³	Example Wiley journals
Encourages Data Sharing	Optional	Optional	Optional	
Expects Data Sharing	Required	Optional	Optional	British Journal of Social Psychology
Mandates Data Sharing	Required	Required	Optional	Ecology and Evolution
Mandates Data Sharing and Peer Reviews Data	Required	Required	Required	Geoscience Data Journal American Journal of Political Science

注册报告 Registered Reports

A growing number of Wiley journals are now accepting [Registered Reports](#), a type of article format that involves peer review of a study design before data is collected

Peer review prior to data collection emphasizes the importance of the research question and the methods

Seven easy steps to publishing a Registered Report

- DEVELOP IDEA**
Submit your research question and This includes your introduction, methods, analyses, and pilot data
- EDITOR EVALUATION**
The Journal's editorial team sends submissions for peer review
- STAGE 1 PEER REVIEW**
Peer review of your research plan for
• The importance of the research question
• The ability of the proposed methods
- IN PRINCIPLE ACCEPTANCE**
Your article will be accepted in principle for publication or rejection
This is a commitment from the journal if you follow the methodology outlined
- WRITE REPORT**
Conduct your study
Undertake your research according to outlined in the study design
- STAGE 2 PEER REVIEW**
Submit your article for re-review
Peer review assesses whether the study approved research plan, and draws appropriate conclusions
- PUBLISH REPORT**
Successful publication of your final article

Why Researchers Should Embrace Registered Reports

Registered Reports Process

Stage 1 Peer Review
This initial stage gives an "in principle acceptance" for the final paper before the study begins. That in principle acceptance is based on peer review of the study methods, to assess the importance of the research question being asked and the quality of the methods chosen to address that research question. In principle acceptance typically correlates on sufficient study power and quality control measures that ensure that results are interpretable, regardless of the primary outcome of the study.

Stage 2 Peer Review
This stage checks that the study has been conducted according to the "registered" Stage 1 study design, and that any deviations from that design are appropriate and explained, and checks that the results are reported completely and transparently.

Views from Editors
Editors recognized how Registered Reports help to improve the standards of research in the following areas:
• Rigor of the methodology and study protocol
• Increased transparency into the research process
However, it was noted that, as with any new initiative, Registered Reports do not suit all disciplines and it can be challenging to solicit submissions.

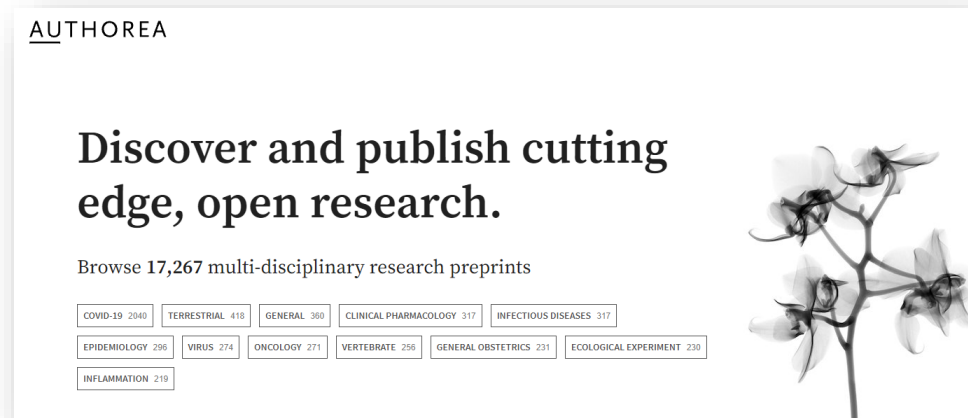
Views from Reviewers
Reviewers were very positive about Registered Reports, agreeing that:
• Peer Review of Stage 1 was very straightforward
• The ability to make a contribution to the study design before data was collected is very constructive and rewarding

Views from Authors
Authors were enthusiastic about Registered Reports:
• Format is easy to use
• Stage 1 process very helpful
• Increased reproducibility or transparency in support of the initiative
• All would recommend the Registered Report format to their peers

About the survey
Wiley surveyed editors, peer reviewers and authors (part of a link to a survey in Microsoft Forms). Quantitative and qualitative feedback was collected and presented. Insights based on responses from 23 editors, 28 reviewers and 17 authors and can be read in full in our preprint: <https://doi.org/10.1101/2021.10.10.461116>

预印本 Preprints

Wiley helps researchers use preprints to accelerate science. Researchers can “preprint” their work on a non-commercial preprint server before they submit it to a journal for peer review. The journals we publish adopt the policies designed to suit the research communities they service



Wiley now offers a new service through Authorea, **Under Review**, to streamline the early sharing of research and open up the peer review process.

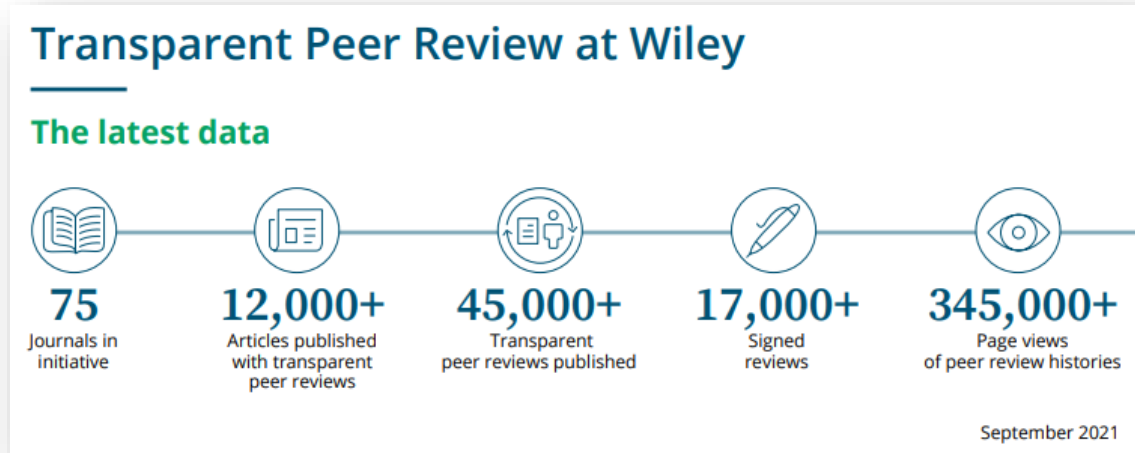
Researchers can now easily showcase their work to the global research community as a preprint while it is under review at a number of Wiley’s journals, before it is accepted or published.



5 Things to know about Under Review – Alberto Pepe, Co-founder Authorea

透明同行评审 Transparent Peer Review

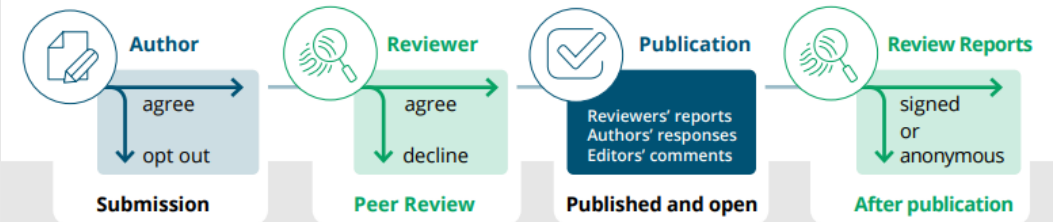
Wiley is committed to increasing [transparency in peer review](#). In collaboration with Publons and ScholarOne (part of Clarivate, Web of Science), Wiley launched a Transparent Peer Review pilot where peer reviewers' reports, authors' responses, and editors' decision letters are published alongside the accepted articles for participating Wiley journals.



What is transparent peer review?

Ever wanted more insight into the peer review process? Or wondered about the review history of an article? **That's where transparent peer review comes in.**

With transparent peer review, the peer reviewers' reports, authors' responses, and editors' decision letters are all published alongside an article.



Transparent Peer Review benefits you

- As an author, you'll get a higher-quality, more constructive review process
- Each piece of peer review history is fully citable
- Published reports provide great examples for early career researchers
- As a reviewer, you'll get proper credit and recognition for your work
- As a reader, you'll gain a complete understanding of editor decision-making processes

Transparent Peer Review benefits research

- Transparent peer review means greater accountability
- Less opportunity for review fraud, bias, or manipulation of results

Transparent Peer Review at Wiley

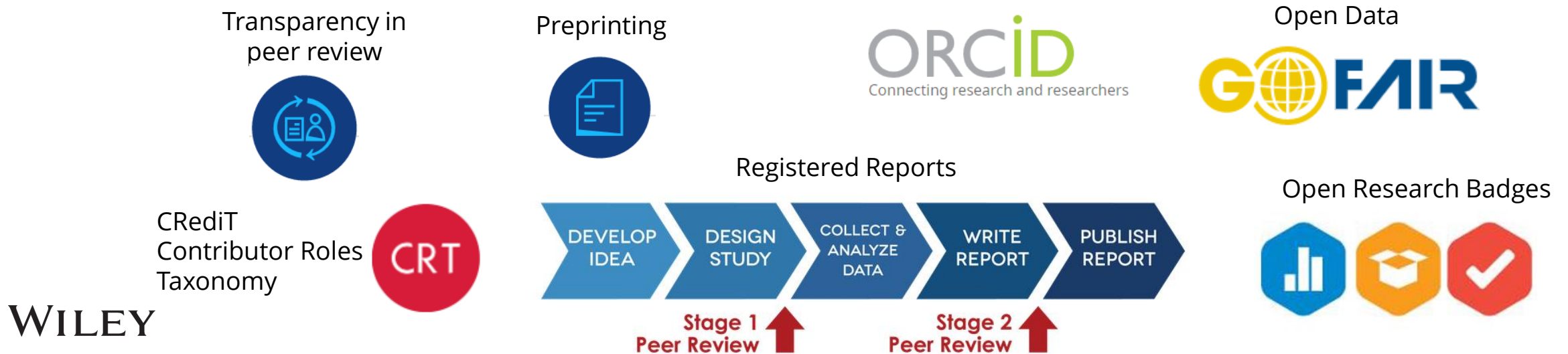
- The review history of published articles is hosted on Publons and easily accessed through an article's 'Open Research' section

更多开放研究实践 | Open Research Practices

Transparency and accountability throughout the research and publishing lifecycle enables:

- ✓ Consistent and clear metadata
- ✓ Recognition of individual contributions
- ✓ Application of AI and tech tools at scale
 - help identify research misconduct, paper mills, image manipulation

Open research practices act as **Trust Signals**



SOCIOLOGY OF HEALTH & ILLNESS

ORIGINAL ARTICLE



Open Access



Towards an ethical multiplicity in low back pain care: Practising beyond the biopsychosocial model

Karime Mescouto ✉, Rebecca Eileen Olson, Jenny Setchell

First published: 21 December 2022 | <https://doi.org/10.1111/1467-9566.1>

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Open Research

DATA AVAILABILITY STATEMENT

Research data are not shared due to privacy or ethical restrictions.

OPEN RESEARCH BADGES



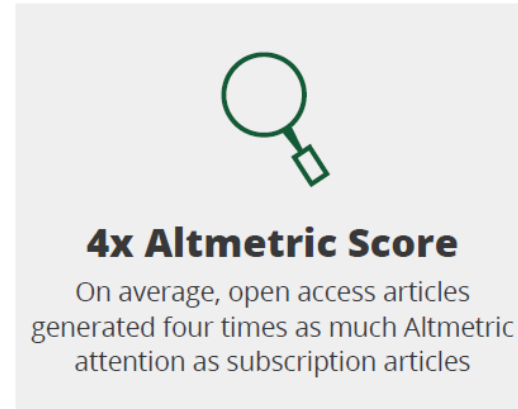
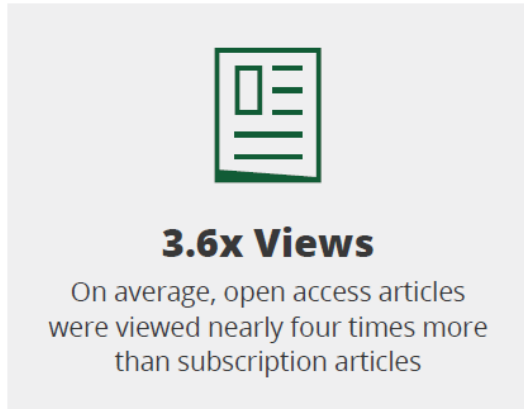
This article has earned a Preregistered Research Designs badge for having a preregistered research design, available at <https://doi.org/10.17605/OSF.IO/D6VJS>.

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Open Future
开放未来



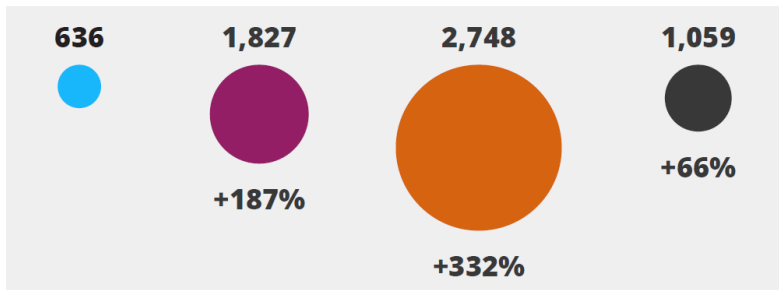
开放获取文章拥有更高的下载量、引用率及关注度



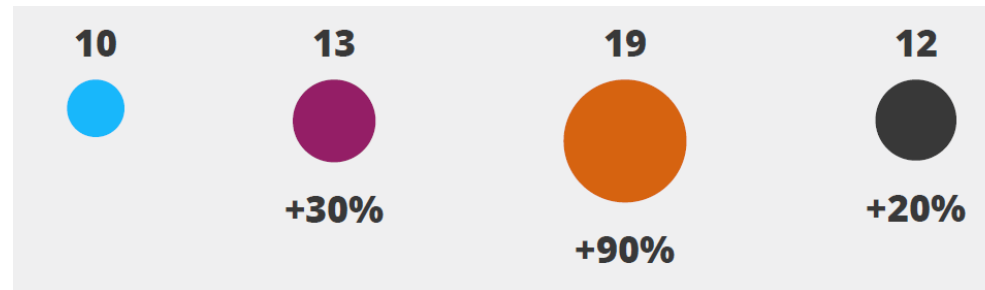
Article performance four years after publication across all publication models:



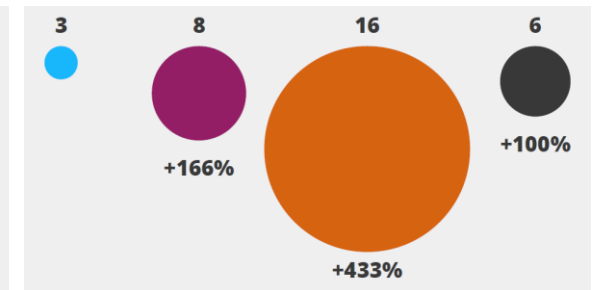
Average full-text views per article



Average citations per article



Average Altmetric score per article



科研人员对开放获取及开放科学持积极态度

2,000+ researchers shared their thoughts about open access and how they share their work in our Open Research Survey

Open Access

- >77% of researchers felt publishing OA increases the impact of their work
- The main motivations to publish OA are:
 - 67% increased visibility and impact
 - 61% public benefit
 - 35% transparency and reuse of their findings
- 53% say they didn't publish OA due to lack of funding

Article sharing

- Top reasons for uploading to a preprint server are
 - 45% faster dissemination of research
 - 34% to get feedback on their work
- 30% authors have uploaded their research to a preprint service
- 84% of authors have shared their work after publication

Open Practices

- 65% say there has not been an instance where they have not elected to share their data
- Most commonly funders and institutions require that a version of the accepted OA published article be placed in a public repository. Authors should check journal policy for article sharing guidelines
- 78% prefer double-blind peer review

Open Access

Researcher motivations for publishing their work open access

Over **77%** of researchers felt that publishing open access increases the impact of their work.*



Researcher reasons for not publishing their work open access

In 2019 our survey reported that 75% of respondents did not publish open access due to lack of funding. Our 2021 survey reports that number has **decreased to 53%**.

* Our data supports this – read our [white paper](#) on the advantage of publishing open access

Article sharing

Do researchers share their research before submitting to a journal?

The top reasons for uploading to a preprint server:

- 1 Faster dissemination of research (**45%**)
- 2 To get feedback on their work (**34%**)

30% of authors have uploaded their research to a preprint server – up from **20%** in 2019.

Where are researchers sharing their article after publication?



84% of authors have shared their work after publication.

Authors are most likely to share their article in a public repository after publication, with many also depositing their work in institutional repositories.

Other Open Practices

Is data sharing becoming normal practice?

65%



of respondents indicate there has NOT been an instance where they have not elected to share their data.

What requirements are funders and institutions putting on researchers about publishing open access?



Both funders and institutions most commonly require that the accepted version of an article is placed in a public repository – although many respondents were unsure about their funder and institutional requirements. Authors should also check the journal policy for their article sharing policy.

What do researchers think about peer review?



78% of respondents prefer double-blind peer review.



In the social sciences and humanities **86%** of researchers prefer double-blind peer review.



《科研评价宣言》



DORA: not just a declaration...

One general recommendation:

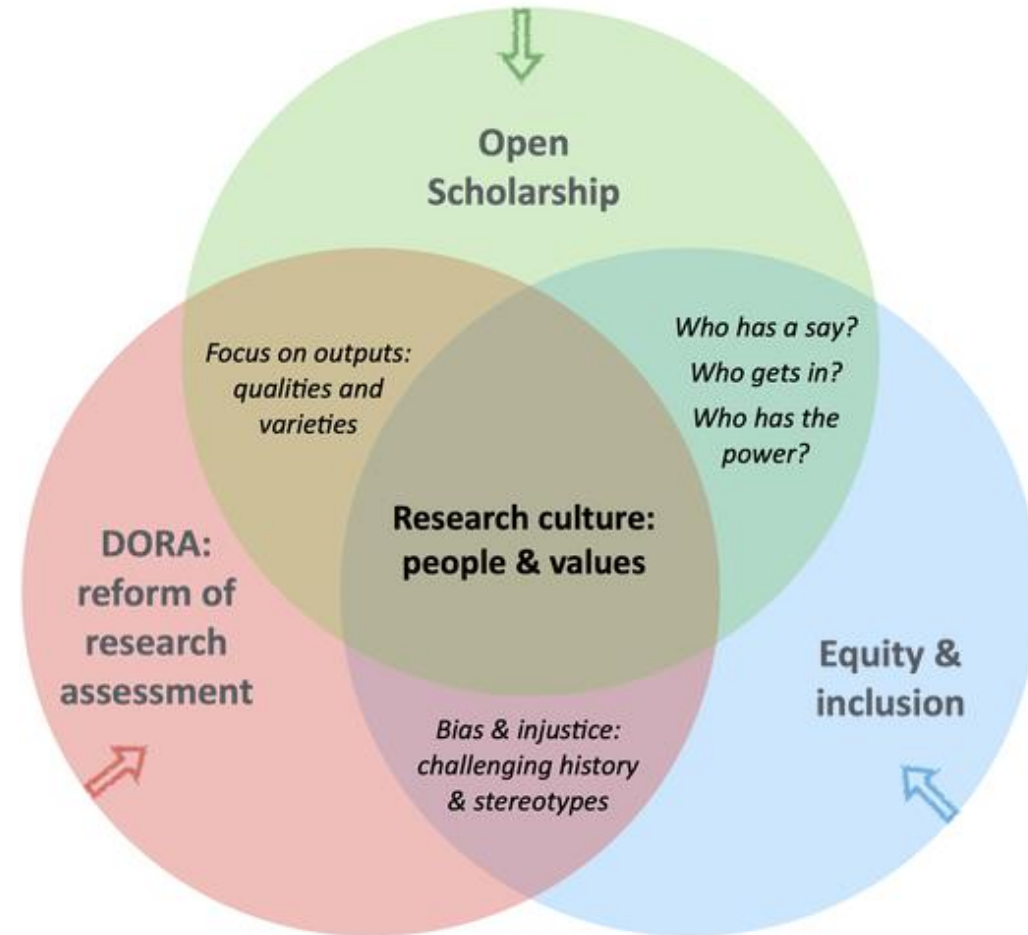
总体建议

Do not use journal-based metrics, such as Journal Impact Factors, as a surrogate measure of the quality of individual research articles, to assess an individual scientist's contributions, or in hiring, promotion, or funding decisions.
停止使用期刊影响因子等期刊计量指标作为评价指标，来评价单篇研究论文或学者个人的贡献，或者是作为聘用、晋升、资助等方面的依据。



17 **positive** recommendations for different stakeholders:

Funders, institutions, publishers, data, providers, researchers



...an important part of a bigger picture towards cultural change

Getting fit for the Open Future: an evolution

Author success mindset

Research community approach

Cross-journal collaboration

Harmonized policies and practices



WILEY

**Open research isn't
just the future of
research
communications.**

**It is the here and
now.**



WILEY

ENABLING DISCOVERY | POWERING EDUCATION | SHAPING WORKFORCES



问卷调查

感谢聆听

Wiley积极促进心理学研究的发展，帮助中国学者在世界舞台发声，邀请你填写问卷调查。

杨柳
leyang@wiley.com