

PROMOUVOIR LE LIBRE ACCÈS SANS COMPROMETTRE LA QUALITÉ ? UN POINT DE VUE DU FNS

28 septembre 2022

Matthias Egger




@eggernsf


Open Access, une évidence !

Vous recevez de l'argent du FNS pour vos recherches ? Alors vous êtes tenu-e de donner librement accès à vos publications, car les résultats de recherche financés par des fonds publics constituent un bien public. L'accès numérique gratuit profite à la science, à l'économie et à la société ; en outre, votre travail gagne en visibilité et en impact. Envoyez sans tarder au FNS votre demande de subsides pour le financement de publications Open Access.


Vous trouverez [ici](#) des informations sur le projet pilote avec ChronosHub.

Bien public 


Les résultats de la recherche financée en tout ou en partie par les fonds publics – tels les subsides du FNS – constituent un bien public qui devrait être disponible de manière électronique, libre, gratuite et immédiate et ainsi pouvoir être réutilisé par des tiers. La majorité des chercheuses et chercheurs suisses soutiennent cette initiative.

Transfert de connaissances 


Les publications Open Access améliorent considérablement le transfert de connaissances et la visibilité des résultats de recherche, non seulement au sein de la communauté scientifique mais aussi auprès du grand public.

Démocratisation du savoir 

L'OA permet également de renforcer la démocratisation de la recherche dans la mesure où l'accès est indépendant du revenu et des possibilités de financement. Il peut en outre contribuer de manière notable à l'accès à l'information dans les pays en développement.

Transparence 


Le libre accès aux résultats scientifiques améliore la transparence et l'efficacité dans la recherche puisqu'il évite la duplication des recherches et de leur financement.

Décisions basées sur des faits 


Les prises de décisions politiques bénéficient de l'Open Access car elles peuvent se baser sur les connaissances scientifiques actuelles.

Innovation 


« Open Innovation »: l'accès à la recherche de pointe (« cutting-edge research ») favorise l'innovation dans la recherche, au niveau scientifique, économique et social.

Efficacité 

La fouille de textes et de données (« text and data mining ») permet de développer efficacement les réseaux de connaissances.

Réduction des coûts 

Malgré l'expansion du marché des publications, l'OA permet de réduire les coûts d'acquisition ou tout au moins de les maintenir à un niveau stable à long terme.

Accès aux marchés 

Un accès aux marchés plus facile et plus avantageux s'ouvre notamment aux petites disciplines.

Facturation des frais Open Access : un processus nettement simplifié



08.09.2022

Depuis 2021, le FNS mène un projet pilote en partenariat avec ChronosHub. L'objectif : simplifier le financement des publications en libre accès. Au vu de l'évaluation positive qui en ressort, cette collaboration va se poursuivre.

SNSF Open Access Check

There is no shortage of explanations, definitions, regulations and guidelines on the topic of open access. For researchers and authors, finding out how open access works in your field is often a challenge. The aim of this tool is to support you in reflecting on your own publishing practices: what percentage of your scholarly articles is available in an open-access format? Under which conditions? Which currently closed articles could be legally made open access right now?

Please bear in mind that the reports may contain errors or suffer from missing data. Have a look at the [limitations](#) of the tool and consider providing [feedback](#).

This is an open source tool published under the MIT license, [click here](#) to visit the Github page.

OA Check

Data & Methods

Limitations

FAQs

Feedback

1.

Enter researcher name:

🔍 Search researcher

<https://www.snsf-oa-check.ch/>

Closed articles

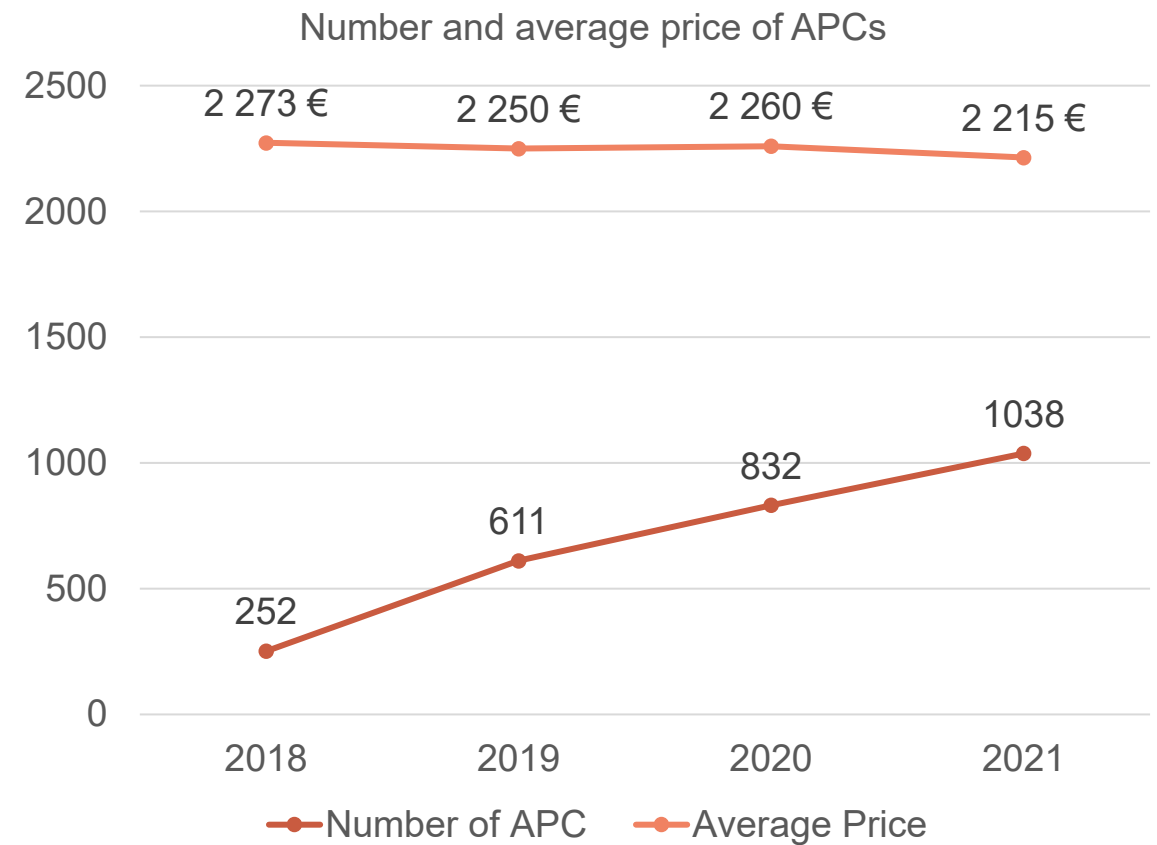
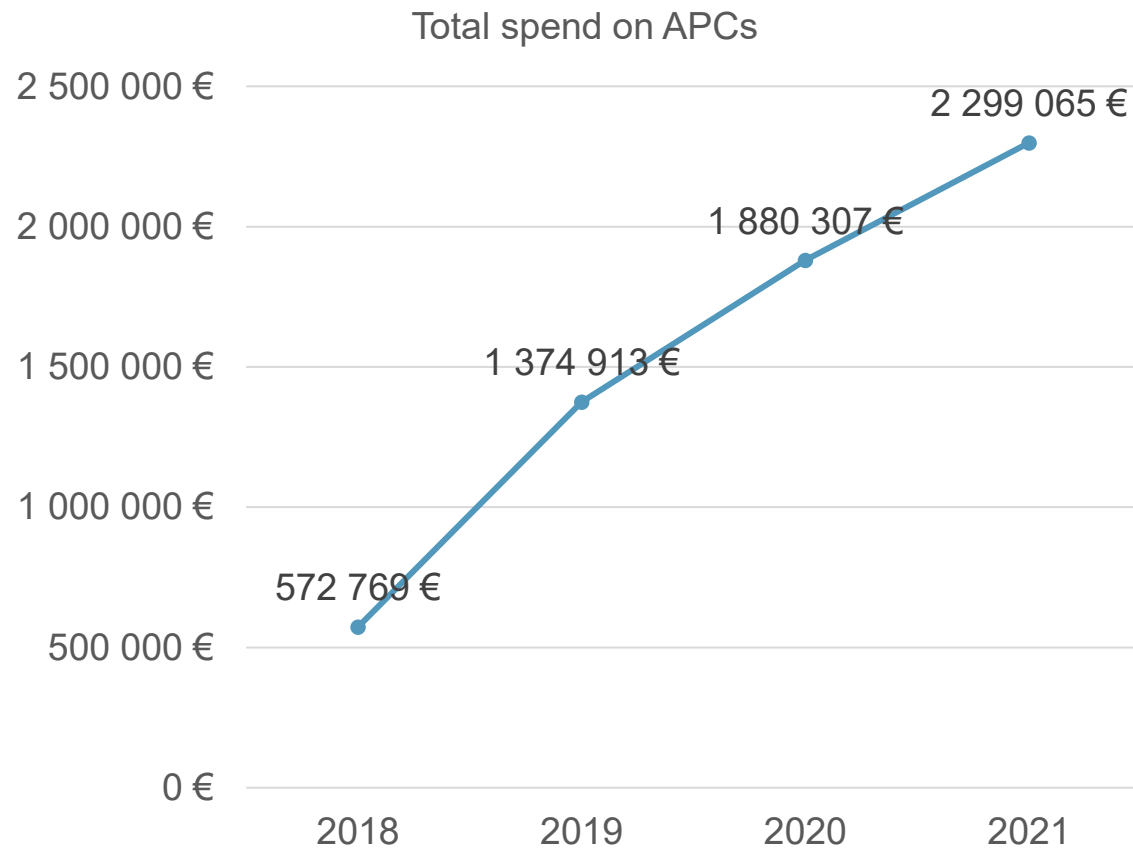
Time since publication: ≤ 6 months

Title	Journal	Publication date	SNSF OA Status
A systematic molecular epidemiology screen reveals numerous HIV-1 superinfections in the Swiss HIV Cohort Study. (10.1093/infdi/jiac166)	The Journal of Infectious Diseases	2022-04-29 (≤ 6 months)	closed
Sustained effect on hepatitis C elimination among men who have sex with men in the Swiss HIV Cohort Study: A systematic re-screening for hepatitis C RNA two years following a nation-wide elimination program. (10.1093/cid/ciac273)	Clinical Infectious Diseases	2022-04-11 (≤ 6 months)	closed

Time since publication: 7 - 12 months

Title	Journal	Publication date	SNSF OA Status
Impact of Latent Tuberculosis on Diabetes. (10.1093/infdi/jiac054)	The Journal of Infectious Diseases	2022-02-16 (7 - 12 months)	closed
Estimating Tuberculosis Transmission Risks in a Primary Care Clinic in South Africa: Modeling of Environmental and Clinical Data. (10.1093/infdi/jiab534)	The Journal of Infectious Diseases	2022-01-18 (7 - 12 months)	closed
Global estimates of viral suppression in children and adolescents and adults on antiretroviral therapy adjusted for missing viral load measurements: a multiregional, retrospective cohort study in 31 countries (10.1016/s2352-3018(21)00265-4)	The Lancet HIV	2021-12-01 (7 - 12 months)	closed

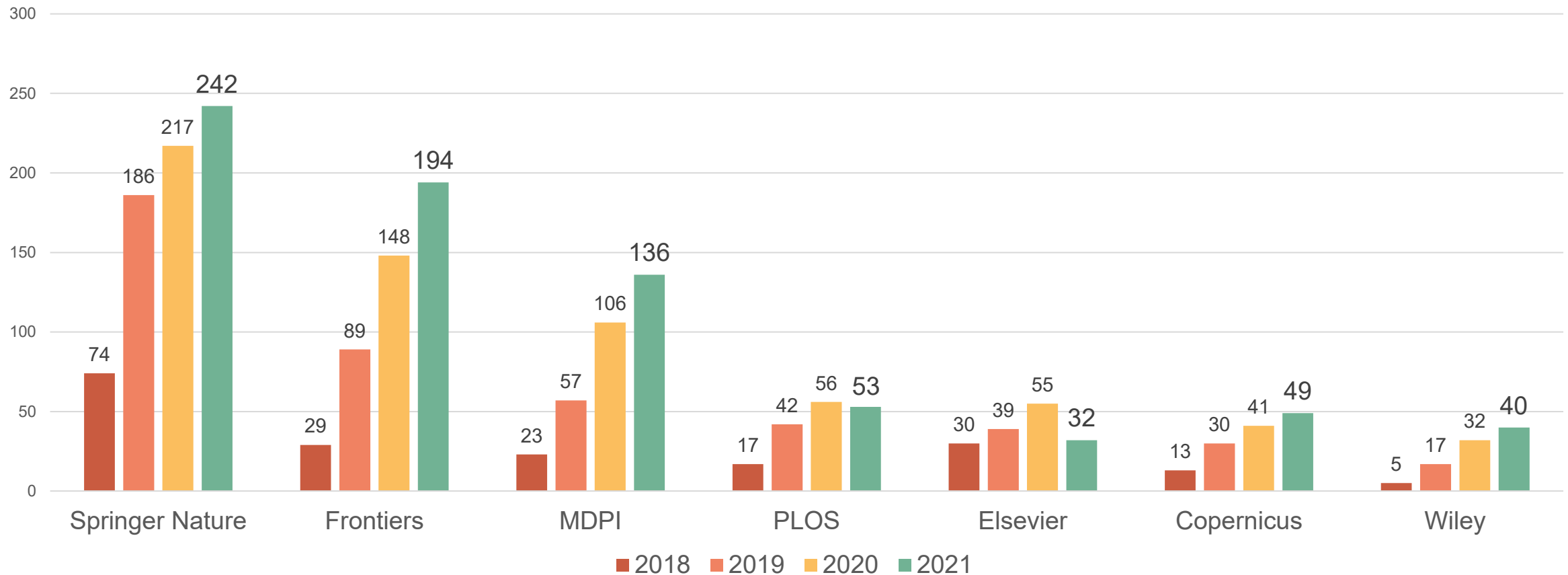
Evolution of APCs funded by the SNSF



Data available from OpenAPC <https://openapc.net/>

Evolution of publishers funded by the SNSF

APC per publisher per year



Data available from OpenAPC <https://openapc.net/>

Predatory Publishing

Definitions

“Predatory publishing ... is an exploitative academic publishing business model that involves charging publication fees to authors without checking articles for quality and legitimacy, and without providing editorial and publishing services that legitimate academic journals provide, whether open access or not.”

https://en.wikipedia.org/wiki/Predatory_publishing



“Predatory journals and publishers are entities that prioritize self-interest at the expense of scholarship and are characterized by false or misleading information, deviation from best editorial and publication practices, a lack of transparency, and/or the use of aggressive and indiscriminate solicitation practices.”

Illustration by David Parkins



Blacklists and Whitelists To Tackle Predatory Publishing: a Cross-Sectional Comparison and Thematic Analysis

Michaela Strinzel,^a Anna Severin,^{a,b} Katrin Milzow,^a Matthias Egger^{a,b}

^aSwiss National Science Foundation, Bern, Switzerland

^bInstitute of Social and Preventive Medicine (ISPM), University of Bern, Bern, Switzerland

- There is a lack of a clear definition of predatory publishing
- Lists of likely legitimate ('whitelists') and fraudulent ('blacklists') journals and publishes are useful in principle, but there is considerable overlap
- Some journals operate in a grey zone between fraud and legitimacy

Strinzel et al.

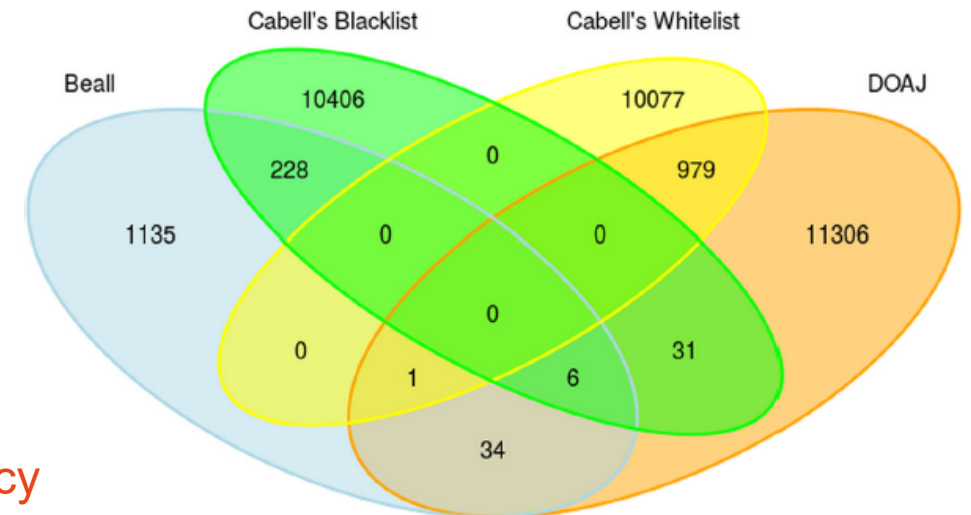
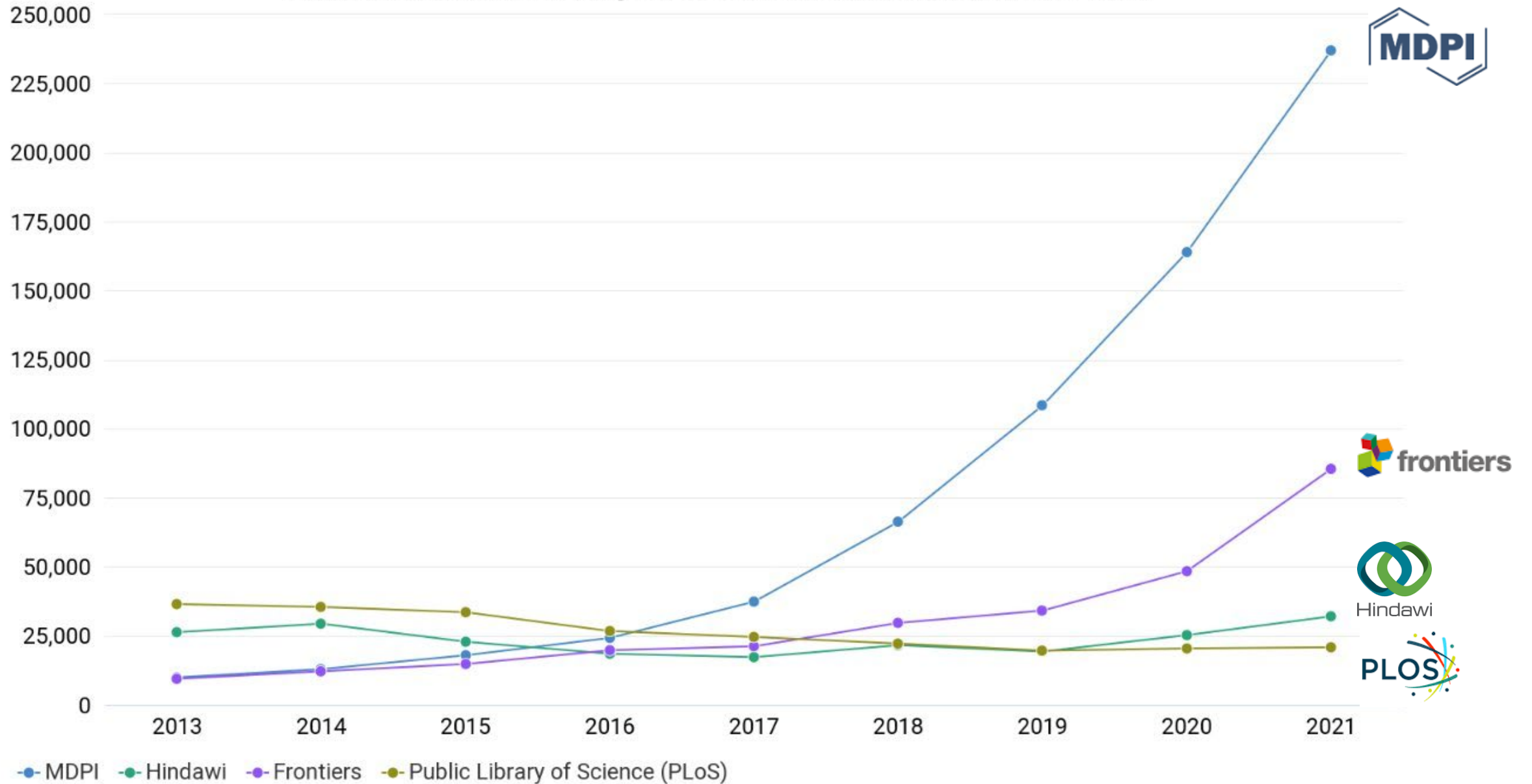


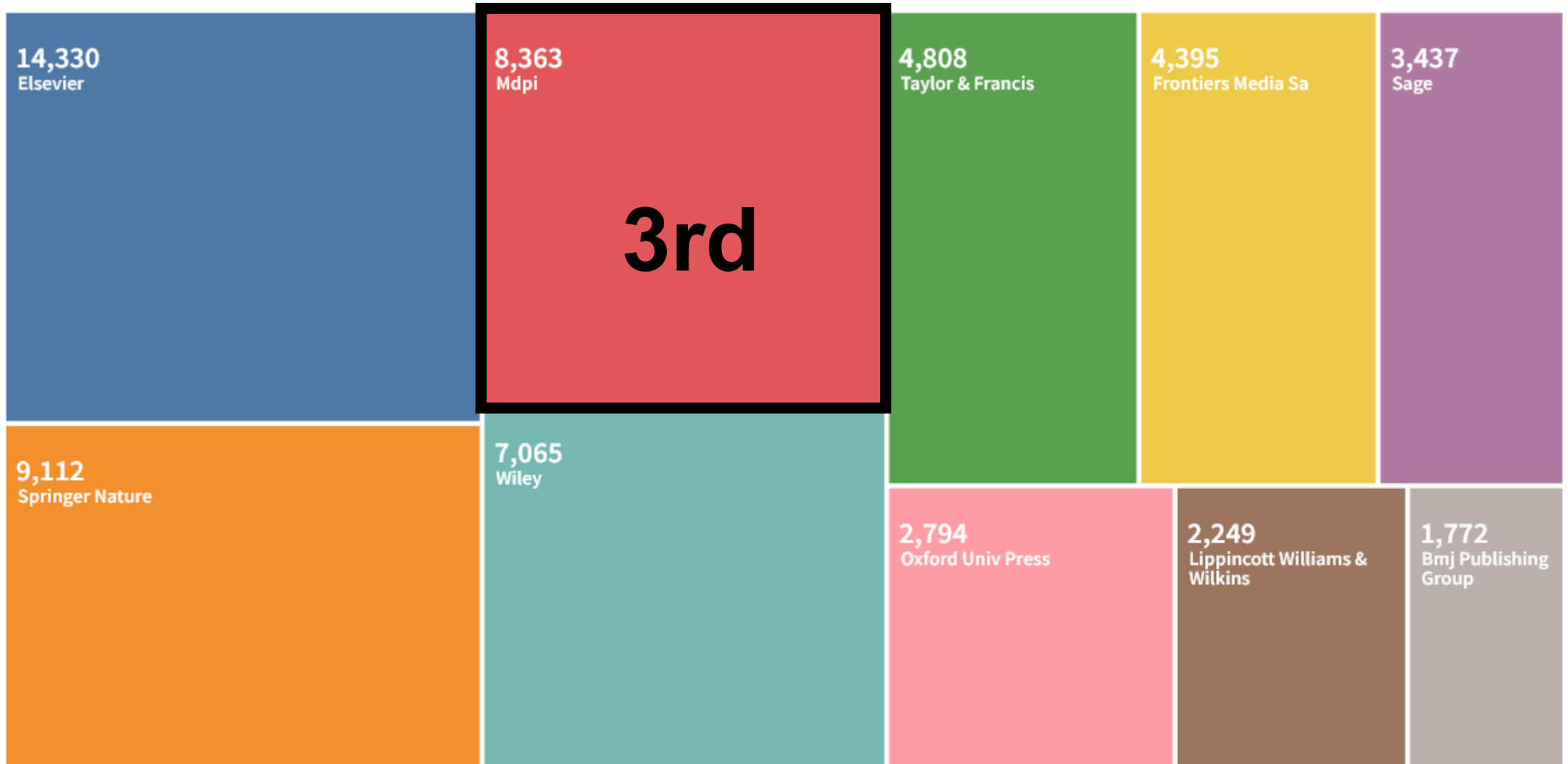
FIG 1 Venn diagrams of journal overlaps between Beall's list, Cabell's blacklist, the DOAJ, and Cabell's whitelist (as of December 2018).

Number of articles from gold open access publishers, 2013-2021



Source: <https://app.dimensions.ai>
Exported: August 10, 2022
Criteria: Publication Type is Article; Open Access is Gold.

Who published papers on COVID-19 in 2022?



Questionable practices?



Paolo Crosetto

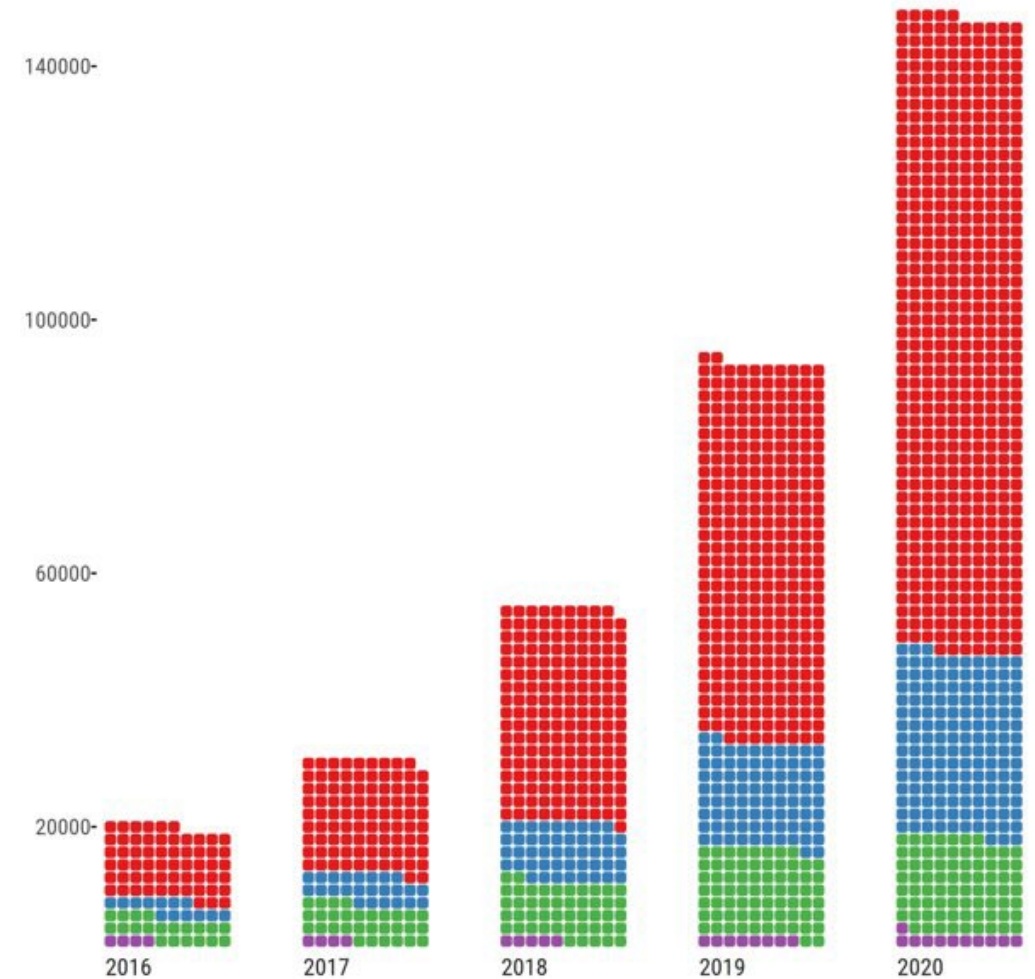
@PaoloCrosetto Follows you

Experimental economist • Senior Researcher @INRAE_france • Decision making • Risk • Food labeling • Crowdfunding • Open licenses • R enthusiast

Grenoble, France paolocrosetto.wordpress.com Born June 20

Articles in Normal, Special Issues, Sections and Collections at MDPI

74 journals with an Impact Factor. One square = 200 articles



Data: MDPI -- code: @paolocrosetto

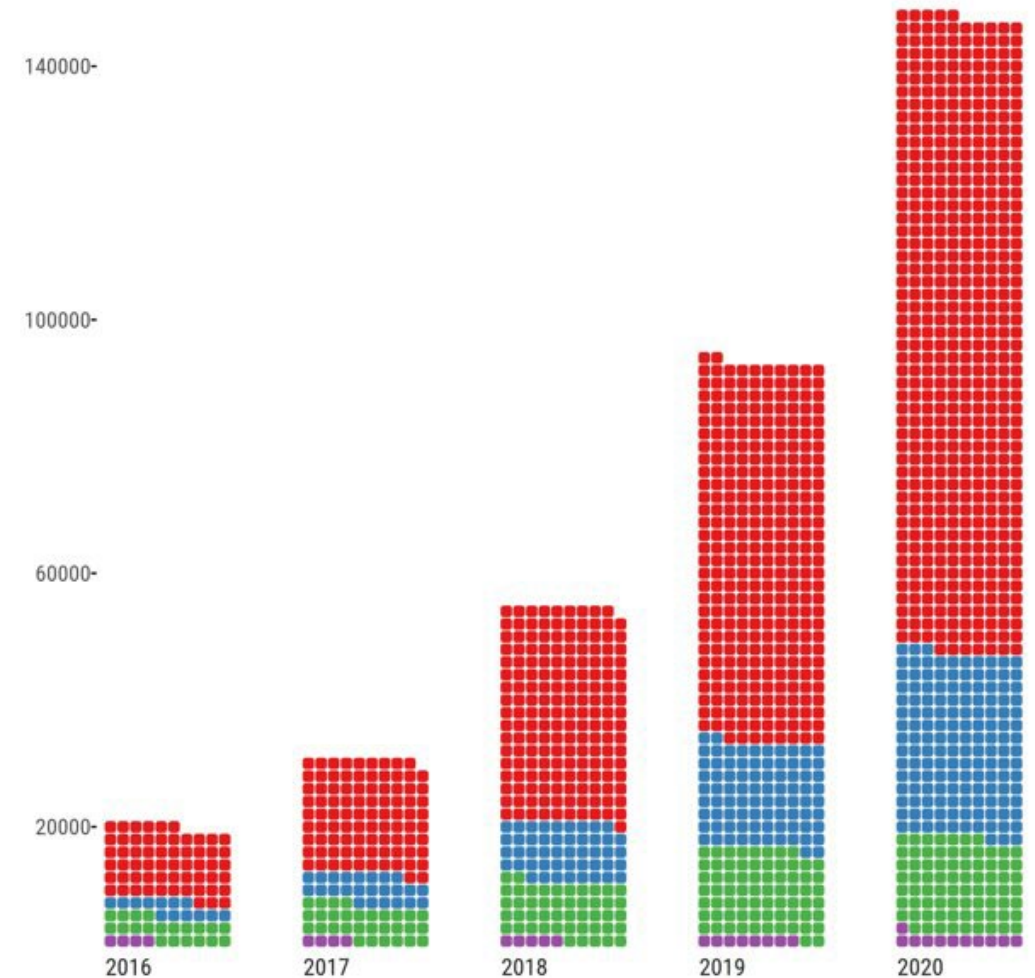
Questionable practices?

“Aggressive rent extracting”

- Launch journals and establish metrics (Impact Factors, indexing)
- Launch a huge number of Special Issues benefitting from the original journals' reputation
- Cover any possible niche topic
- Cut all slack and enforce an extremely optimized editorial process

Articles in Normal, Special Issues, Sections and Collections at MDPI

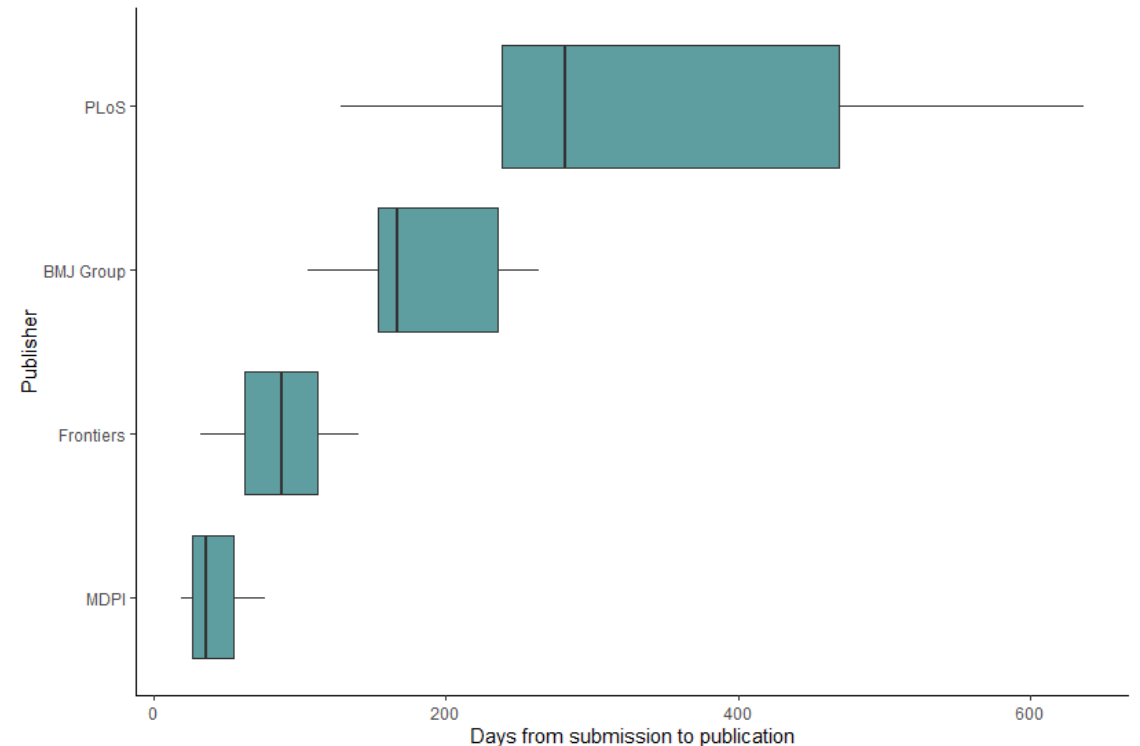
74 journals with an Impact Factor. One square = 200 articles



Data: MDPI -- code: @paolocrosetto

Shorter time from submission to publication may indicate a rushed peer review process

- Random sample of 10 articles per publisher on COVID-19 topics published in 2022
- Days to publication shorter for MDPI and Frontiers than for BMJ Group and PLOS
- Peer-review reports not read



What can the SNSF (and you) do?

- Reduce demand by changing culture
 - Support and implement DORA
 - SciCV
 - Value Open Science efforts (e.g. data, code)
- Monitor quality
 - Open peer review
 - Assess peer review quality
 - Lists of (il)legitimate journals
- Support alternative models of publication
 - Decouple peer review from journals
 - Support diamond models
- Educate the community about predatory practices



Help promote best practices in the assessment of scholarly research. Sign DORA.

[Sign DORA](#)

- Indiquer explicitement les critères utilisés pour évaluer la productivité scientifique des requérants.
- Souligner clairement, surtout pour les chercheurs débutants, que le contenu scientifique d'un article est beaucoup plus important que les indicateurs de publication ou l'image de marque de la revue dans laquelle il a été publié.

[nature](#) > [career news](#) > [article](#)

CAREER NEWS | 08 June 2022

Swiss funder unveils new CV format to make grant evaluation fairer

The Swiss National Science Foundation's 'narrative' template seeks evidence of applicants' wider contributions to science.

[Dalmeet Singh Chawla](#)



- **Education and training**
- **Previous and current employment**
- **Major achievements with selected works**
- **Net academic age, rather than biologic age**
- **No metrics**

<https://www.snf.ch/en/gKcnwW6aEft4bMPF/page/your-curriculum-vitae-all-about-the-cv-format>

Strinzel M et al. SciCV, the Swiss National Science Foundation's new CV format. bioRxiv 2022. Available from:

<https://www.biorxiv.org/content/10.1101/2022.03.16.484596v1>

Aide à la sélection d'un instrument d'encouragement

Accès direct

Projets

Carrières

Programmes

- › PNR
- › PRN
- › Sinergia – interdisciplinaire, collaborative et pionnière
- › Mesures temporaires de remplacement des subsides CER
- › Etudes longitudinales
- › Contributions à l'élargissement
- › Programme r4d
- › Programmes bilatéraux
- › ERA-NET

Spark



Financement rapide d'idées originales

Spark vise à financer l'essai ou le développement rapide de nouvelles approches, méthodes, théories, normes ou idées d'applications scientifiques. Conçu pour des projets présentant un concept peu conventionnel et une approche originale, il privilégie les idées prometteuses, audacieuses et basées sur des données préliminaires très limitées, voire inexistantes. La prise de risque est encouragée, mais ne constitue pas une condition en soi. L'accent est mis sur les projets ou idées ayant peu de chances d'être financés par les autres programmes d'encouragement disponibles.

Délais de soumission au FNS

En raison de l'évaluation du projet pilote Spark, aucune nouvelle mise au concours n'est planifiée pour l'année 2021.

Contact

spark@snf.ch

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Catalyzing change in peer review through equity, openness, and collaboration

PREreview is a platform, resource center and convener. We provide ways for feedback to preprints to be done openly, rapidly, constructively, and by a global community of peers. Join us!

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! THINK ✓ CHECK > SUBMIT

Cette liste de vérification est un outil qui vous aidera à identifier ce que vous devez savoir au moment de choisir un éditeur pour publier votre manuscrit.

Comment pouvez-vous être sûr que la revue que vous envisagez de choisir est la bonne pour publier vos résultats de recherche ?

! Réfléchissez

Soumettez-vous votre manuscrit à une revue de confiance ?

S'agit-il de la bonne revue pour vos travaux ?

- De plus en plus de travaux de recherche sont publiés dans le monde entier.
- De nouveaux éditeurs apparaissent chaque semaine.
- Plusieurs chercheuses et chercheurs sont préoccupés par les publications prédatrices.
- Il peut être difficile de trouver de l'information à jour pour choisir où publier.

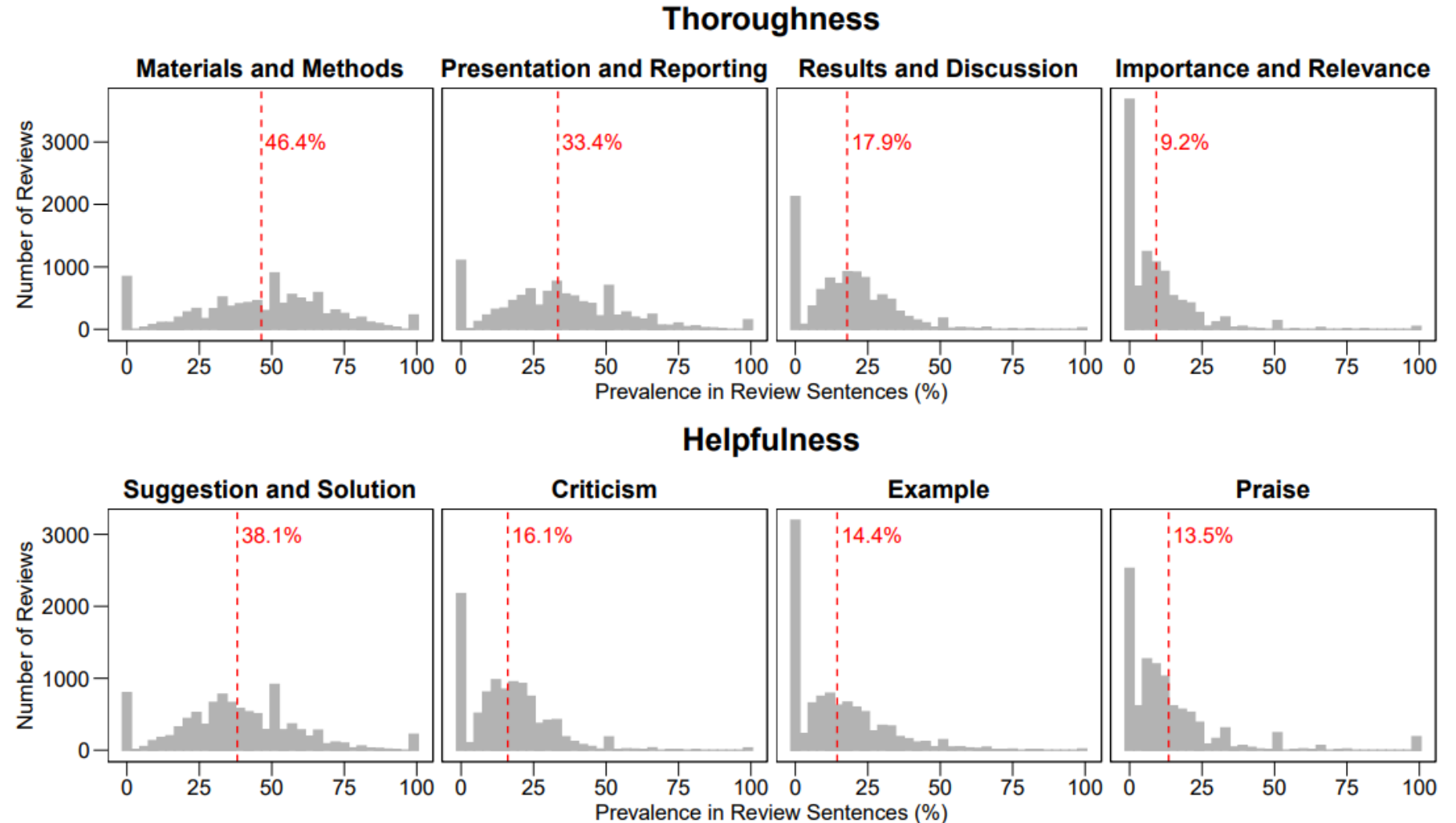
✓ VÉRIFIEZ

Consultez cette liste afin de vérifier si la revue de votre choix est digne de confiance.

Est-ce que vous ou vos collègues connaissez cette revue ?

- Avez-vous déjà lu des articles de cette revue ?
- Est-il facile de trouver les derniers articles de cette revue ?

Analysis of 10,000 peer review reports submitted to Publons



Community peer review

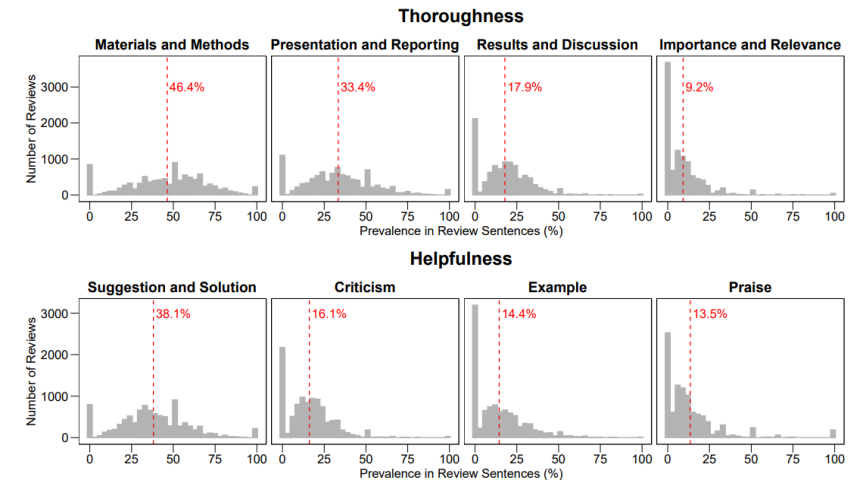
Open peer review reports

Published on Sep 25, 2022 DOI 10.21428/7ccec04a.4953b267

Review of "Journal impact factor and peer review thoroughness and helpfulness: A supervised machine learning study"

by Ludo Waltman

last released
2 days ago



This Pub is a Review of



Journal Impact Factor and Peer Review Thoroughness and Helpfulness: A Supervised Machine Learning Study

by Severin, Anna, Strinzel, Michaela, Egger, Matthias, Barros, Tiago, Sokolov, Alexander, Mouatt, Julia Vilstrup, and Müller, Stefan

Hide Description · arxiv.org

cOAlition S

SNSF revises OA policy

cOAlition S has proven to impact publishing and foster OA

From 2023 onwards the SNSF will

- Require immediate OA to all articles resulting from SNSF-funded research
- Require a CC-BY license to ensure broadest possible use

We look forward to jointly transition to sustainable OA, e.g. by also endorsing the Action Plan for Diamond OA and working to set up support for alternative forms of publication

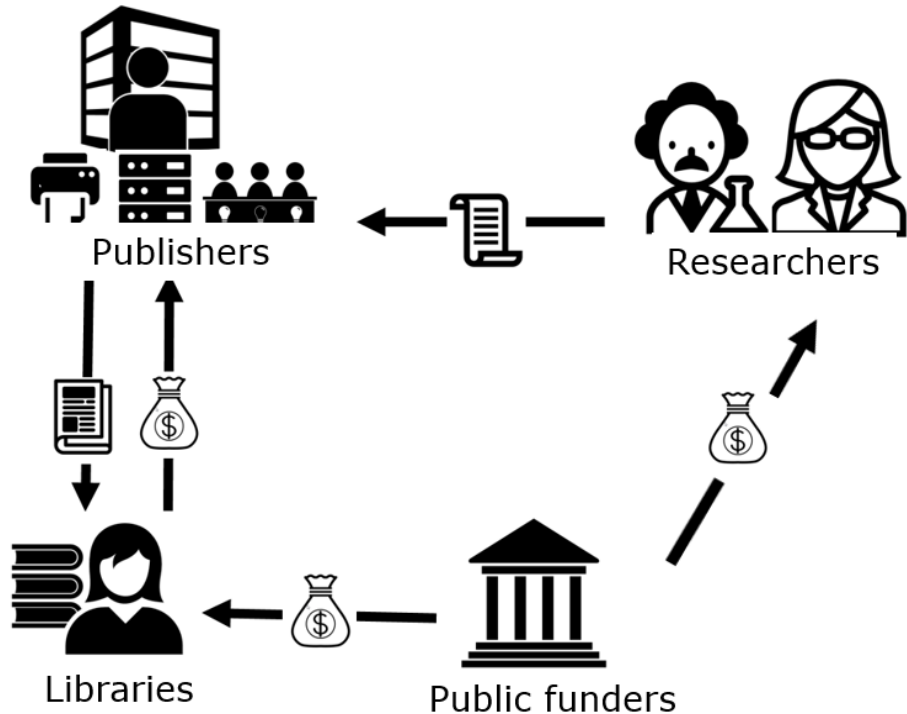
Le FNS rejoint la cOAlition S pour le libre accès immédiat aux articles scientifiques



01.06.2022

Un consortium d'organismes de financement de la recherche s'engage depuis 2018 pour un accès gratuit et illimité aux publications scientifiques. Le FNS en devient dorénavant membre et adapte ses critères de l'Open Access.

From Great Science to Big Money



“in a traditional market suppliers are paid for the goods they provide”

a “bizarre” “triple-pay” system, in which the state funds most research, pays the salaries of most of those checking the quality of research, and then buys most of the published product.

It is as if the New Yorker or the Economist demanded that journalists write and edit each other’s work for free, and asked the government to foot the bill.

“there is a moral imperative to reconsider how scientific data are judged and disseminated”.



BRIEFING ROOM

OSTP Issues Guidance to Make Federally Funded Research Freely Available Without Delay

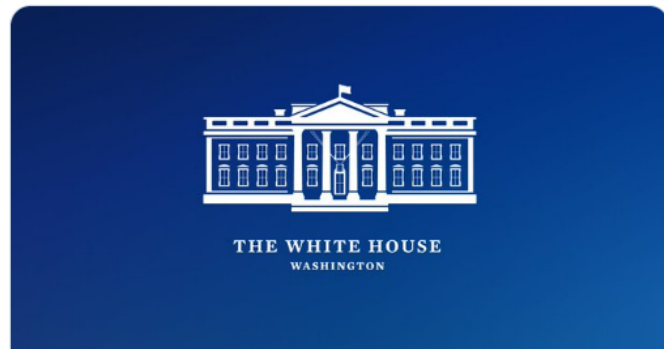
AUGUST 25, 2022 • PRESS RELEASES

Today, the White House Office of Science and Technology Policy (OSTP) updated U.S. policy guidance to make the results of taxpayer-supported research immediately available to the American public at no cost. In a [memorandum](#) to federal departments and agencies, Dr. Alondra Nelson, the head of OSTP, delivered guidance for agencies to update their public access policies as soon as possible to make publications and research funded by taxpayers publicly accessible, without an embargo or cost. All agencies will fully implement updated policies, including ending the optional 12-month embargo, no later than December 31, 2025.



Divyansh Kaushik @dkaushik96 · Aug 25
Massive! 🇺🇸

The @WhiteHouse has updated its 2013 guidance (Holdren Memo) to make federally funded research **open access** without any embargo or costs.



Carrie Poppy @CarriePoppyYES · Sep 4

WHOOOOOA this is huge! So much knowledge is hidden behind paywalls for far too long.



Science Insider @ScienceInsider · Aug 25

BREAKING: White House issues new policy that will require, by 2026, all federally-funded research results to be freely available to public without delay, ending longstanding ability of journals to paywall results for up to 1 year. Coverage coming on @ScienceInsider.

[Show this thread](#)



Philipp Bayer @PhilippBayer · Aug 27

For-profit OA publishers right now:
"Should we double or triple our fees?"



Science Insider @ScienceInsider · Aug 25

BREAKING: White House issues new policy that will require, by 2026, all federally-funded research results to be freely available to public without delay, ending longstanding ability of journals to paywall results for up to 1 year. Coverage coming on @ScienceInsider.

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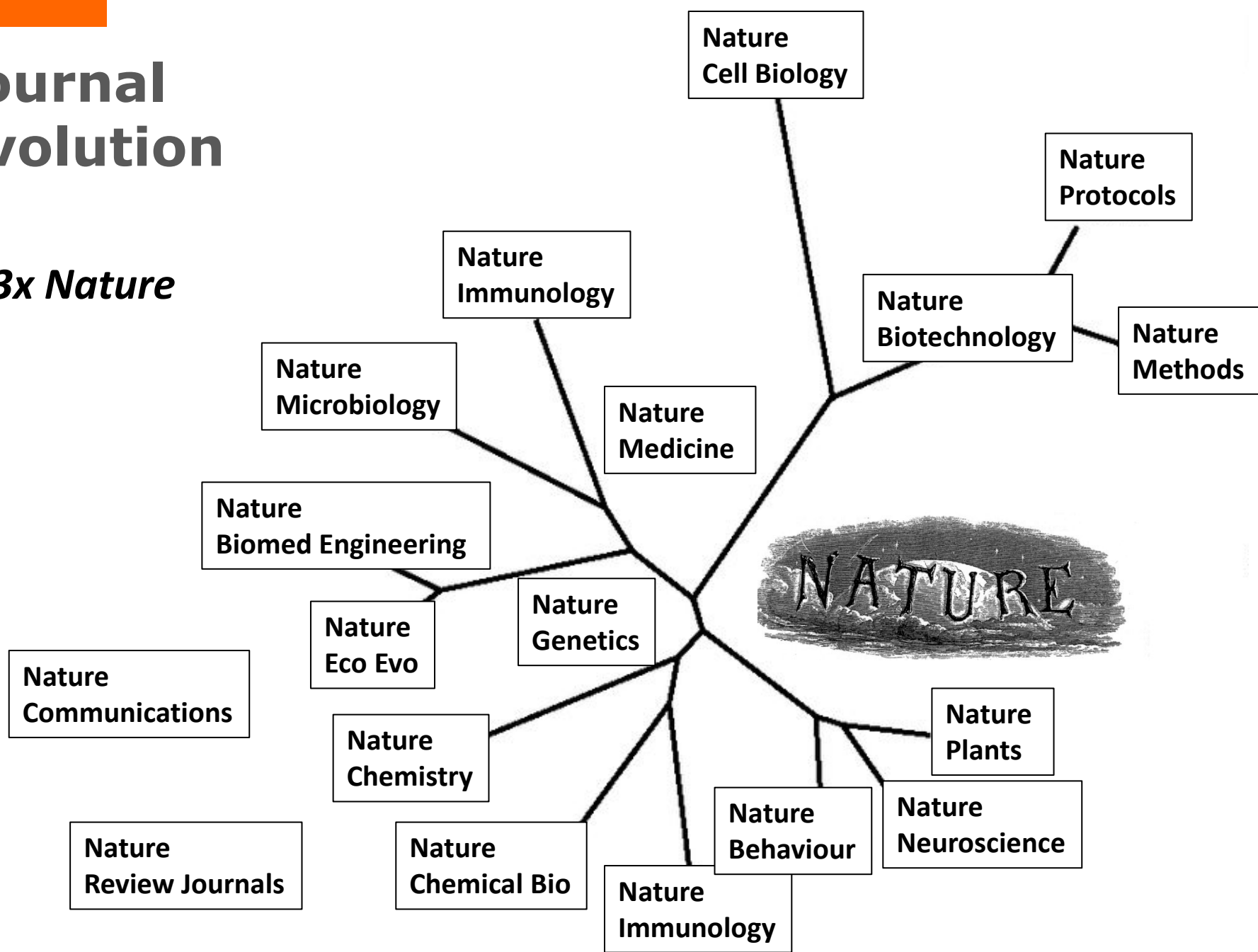
Acknowledgement



- Tobias Phillipp, SNF
- Nicola Low, Carole du Pont, Leonie Heron, Bern
- Paolo Crosetto, Grenoble

Journal Evolution

43x Nature



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