

Building trust in preprints

with discovery tools of the future

Indicators of trust for research

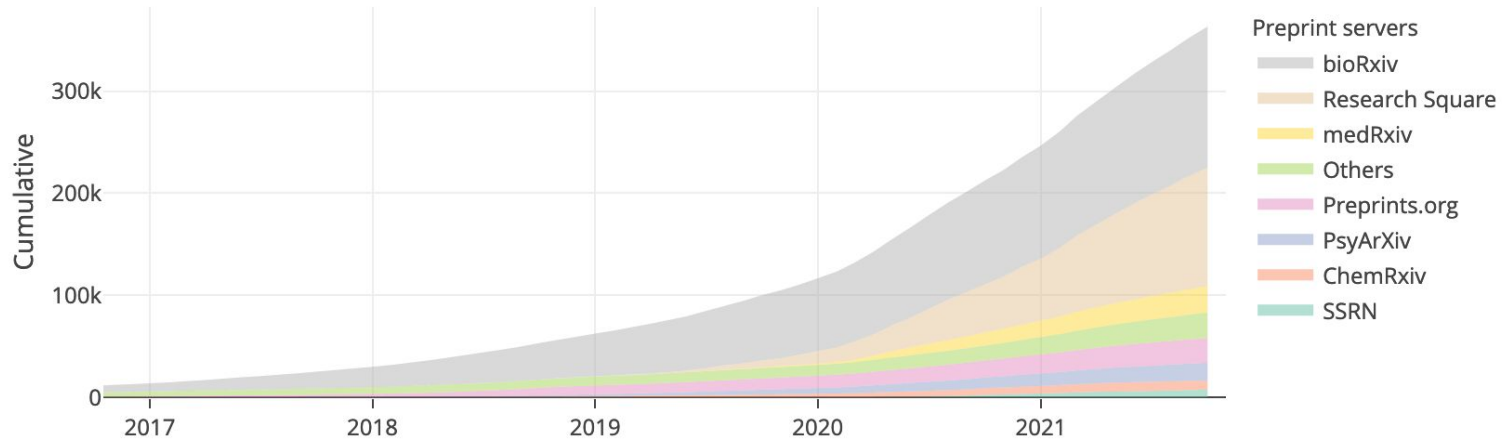
- FAIR open underlying data
- Reproducible code
- Comprehensive methods & materials description
- Funding information
- COI declaration
- Open authors, affiliations and contributions information
- Changes and updates: versions, retractions, removals, withdrawals
- Open citations and citation context
- Open peer review
- Expert curation and recommendations
- ...



How does open infrastructure
help build trust in preprints?

Europe PMC perspective

Europe PMC started indexing preprints in 2018 to improve their discoverability. Currently, it indexes abstracts and metadata for over 370,000 preprints from 21 different platforms and full text for over 25,000 COVID-19 related preprints.



Preprints as part of the ecosystem

Preprints in Europe PMC are enriched with links to data, smart citations, peer review materials, funding, author iDs and more. Preprint versions are linked to each other, and to the journal published version, when possible.



126,600 preprints
were **published** in a journal



12,200 preprints
have been **cited**



127,000 preprints
were claimed to **ORCID**



25,500 preprints
have links to **data**



3500 preprints
have a preprint **peer review**



2900 preprints
have **funding information**

What does this mean for the reader?

Abstract

Figures (6)

Free full text ▾

Summary

Introduction

Results

Discussion

Star Methods

Supplementary Material

Acknowledgements

References (60)

Full text links

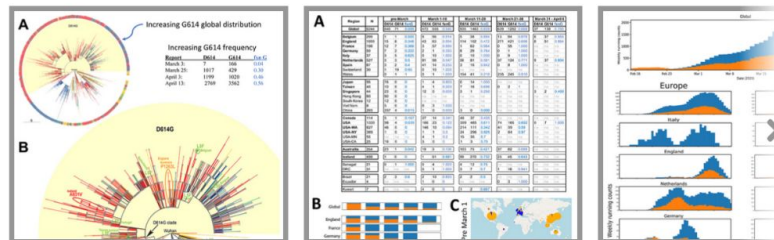
Citations & impact

Data

Reviews

Funding

Figures (6)



Annotations (282)

Get citation

Open PDF

Claim to ORCID

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bioRxiv

THE PREPRINT SERVER FOR BIOLOGY

bioRxiv preprint, version 2, posted 2020 May 05

doi: 10.1101/2020.04.29.069054

PPRID: PPR157416

EMSID: EMS95314

Spike mutation pipeline reveals the emergence of a more transmissible form of

What does this mean for the reader?

 This article is a preprint. A [journal published article](#) is available.

Preprint version history ▾

- [Version 11](#) [04 Aug 2019]
- [Version 10](#) [19 Jul 2019]
- [Version 9](#) [09 Jul 2019]
- [Version 8](#) [02 Jul 2019]
- [Version 7](#) [26 Jun 2019]
- [Version 6](#) [20 Jun 2019]
- [Version 5](#) [18 Jun 2019]
- [Version 4](#) [13 Jun 2019]
- [Version 3](#) [30 May 2019]
- [Version 2](#) [17 May 2019]
- [Version 1](#) [13 Apr 2019]

What does this mean for the reader?

Data

Data behind the article

This data has been text mined from the article, or deposited into data resources.

GISAID (Showing 5 of 751)

[GISAID - EPI_ISL_2403956](#) (2 citations)

[GISAID - EPI_ISL_2403997](#) (2 citations)

Protein Structures (2)

[PDBe - 7jtl](#) (1 citation)

[View structure](#)

RefSeq (2)

[RefSeq - NC_045512.2](#) (1 citation)

[RefSeq - NC_045512](#) (1 citation)



What does this mean for the reader?

Reviews

Reviews, recommendations & commentary from expert sources.

Outbreak Science Rapid PREREview

<https://prereview.org/preprints/doi-10.1101-861799> 

preLights

<https://prelights.biologists.com/?p=15677> 

What does this mean for the reader?

Funding

Funders who supported this work.

Department for International Development

Department of Health

Medical Research Council (1) ▶

Wellcome Trust

What does this mean for the reader?


Evaluation of rapid antibody test and chest computed tomography results of COVID-19 patients: A retrospective study


Ozturk A, Bozok T, Bozok TS

Preprint from medRxiv, 20 Feb 2021

DOI: [10.1101/2021.02.15.21251772](https://doi.org/10.1101/2021.02.15.21251772) PPR: PPR286317

Preprint

Free to read & use 

 This preprint has been withdrawn by the author(s). [View this record on the preprint server](#) for more information. A [journal published article](#) is available.

The future of preprint discovery

What is on the roadmap?

- Handling preprints in multiple languages (SciELO, Crossref)

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- Adding preprint license data (Crossref)
- Labelling curated & reviewed preprints in search results (multiple External Link partners)
- ...

The future of preprint discovery

Developing new tools for preprint discovery will require joint groundwork of developing community standards, producing high quality open metadata, and implementing open protocols to share preprint-related information.

repositoryName	Y	Y	N	Y	N	Y	Y	Y	-
postedDate	Y	Y	Y	Y	Y	Y	Y	Y	Required
articleTitle	Y	Y	Y	Y	Y	Y	Y	Y	Required
abstract	Y	Y	Y	Y	Y	Y	N	Y	Required
authorName	Y	Y	Y	Y	Y	Y	N	Y	Required
ORCID	Y	Y	Y	Y	Y	Y	N	Y	Desired
authorAffiliation	N	Y	N	N	N	N	N	N	Desired
license	N	Y	Y	Y	Y	N	Y	Y	Desired
funding	N	N	N	Y	N	N	N	N	Desired
references	N	N	N	Y	N	Y	N	N	Desired
isPreprintOf	Y	N	N	NA	Y	Y	N	Y	Desired