



Researcher and metadata user view

Ludo Waltman

Centre for Science and Technology Studies (CWTS), Leiden University

Crossref LIVE19

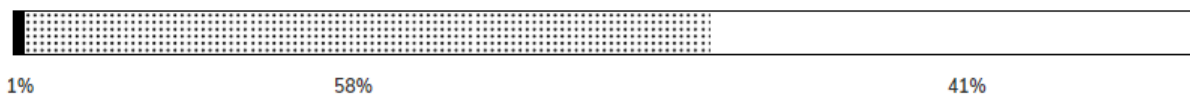
Amsterdam

November 13, 2019



Universiteit
Leiden

How many citations are open today?



As of September 2019, the fraction of publications with open references has grown from 1% to 59% out of 47.6 million articles with references deposited with Crossref.

We encourage all other scholarly publishers to follow the example of these trail-blazing publishers by making their reference metadata publicly available. Please contact Crossref Support (support@crossref.org) for more information, or to let them know that you are ready to open up your reference metadata now. See also our list of responses to [frequently asked questions](#).

Visualizing freely available citation data using VOSviewer

Nees Jan van Eck, Ludo Waltman

🕒 October 23rd, 2017

💬 1 comment

🏷️ [Crossref](#), [I4OC](#), [open data](#), [software](#), [visualization](#), [VOSviewer](#)

Today we released version 1.6.6 of our [VOSviewer software](#) for constructing and visualizing bibliometric networks. The most important new feature in this version is the support for working with Crossref data. Recently, the [Initiative for Open Citations \(I4OC\)](#) managed to convince a large number of scientific publishers to make the reference lists of publications in their journals freely available through Crossref. Thanks to I4OC, Crossref has become a valuable data source for VOSviewer users. In this blog post, we discuss how users of the new version 1.6.6 of VOSviewer can benefit from Crossref data.



Open citations: A letter from the scientometric community to scholarly publishers

December 5th, 2017

Openness is central to the research endeavor. It is essential to promote reproducibility and appraisal of research, reduce misconduct, and ensure equitable access to and participation in science. Yet, calls for increased openness in science are often met with initial resistance. The introduction of pre-print servers, open access repositories, and open data sets were, for example, initially resisted, but eventually adopted without adverse effects to the scholarly ecosystem. The launch of the [Initiative for Open Citations \(I4OC\)](#) is facing similar obstacles. This initiative has campaigned for scholarly publishers to make openly available the references found in articles from their journals. Many publishers, including most of the large ones, support the initiative and have opened their references. However, the initiative still lacks support from a minority of the large publishers.

Using Crossref data in VOSviewer



Create Map ✕

Specify search query or select files

Search Query DOI JSON

API:
Crossref ▾

Author: ORCID:

Affiliation:

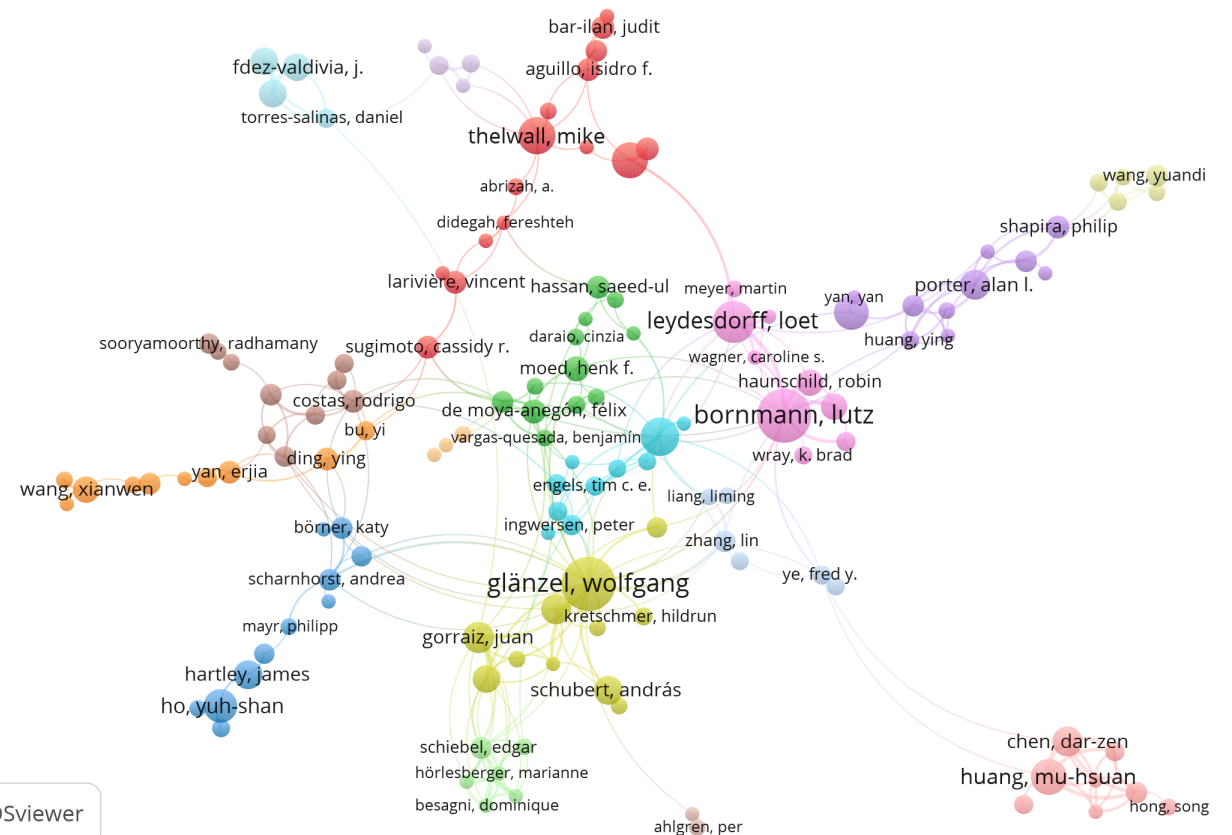
Journal: Scientometrics ? ISSN:

Text: ? Year: 2009 to 2018

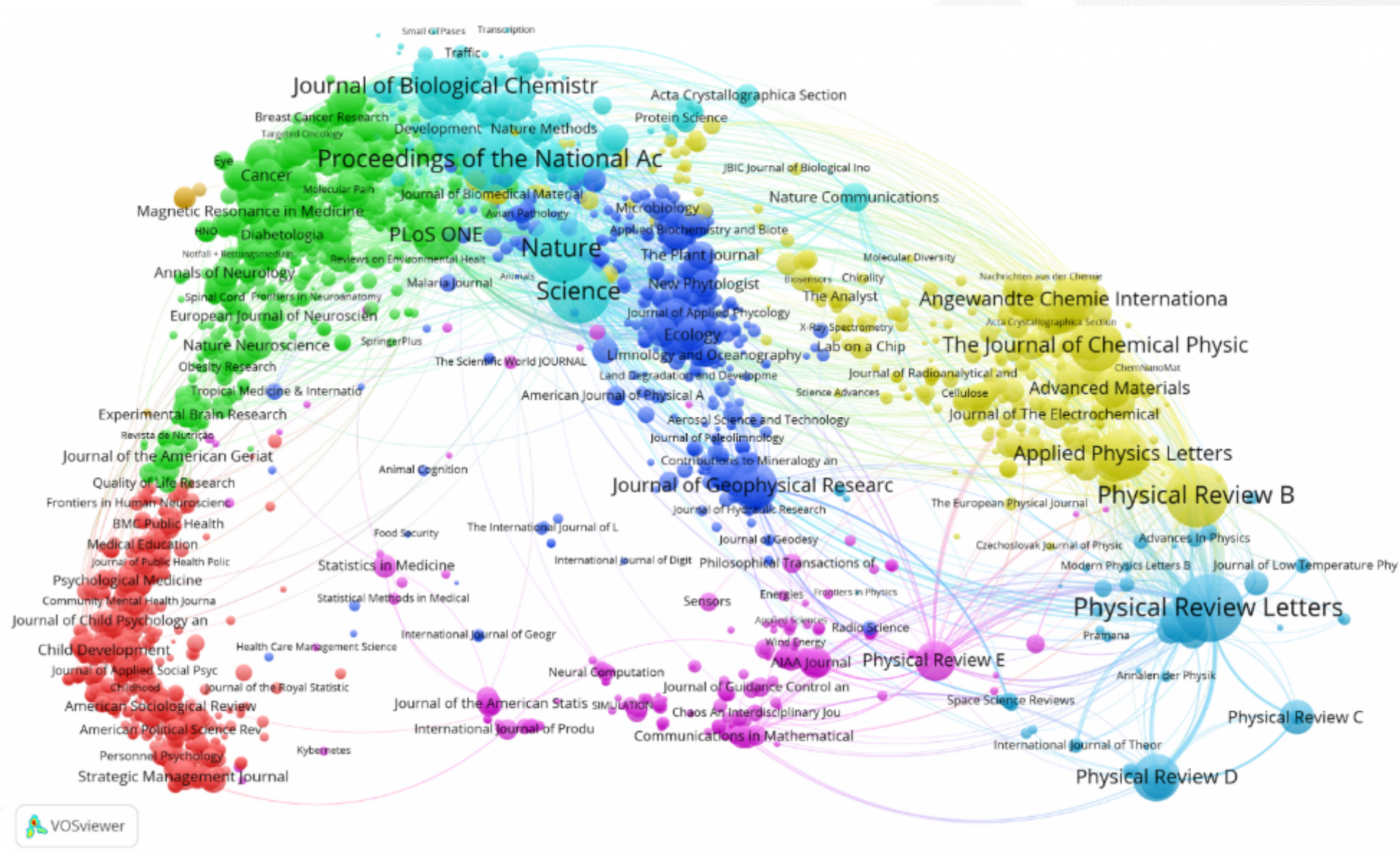
Title only Title and abstract

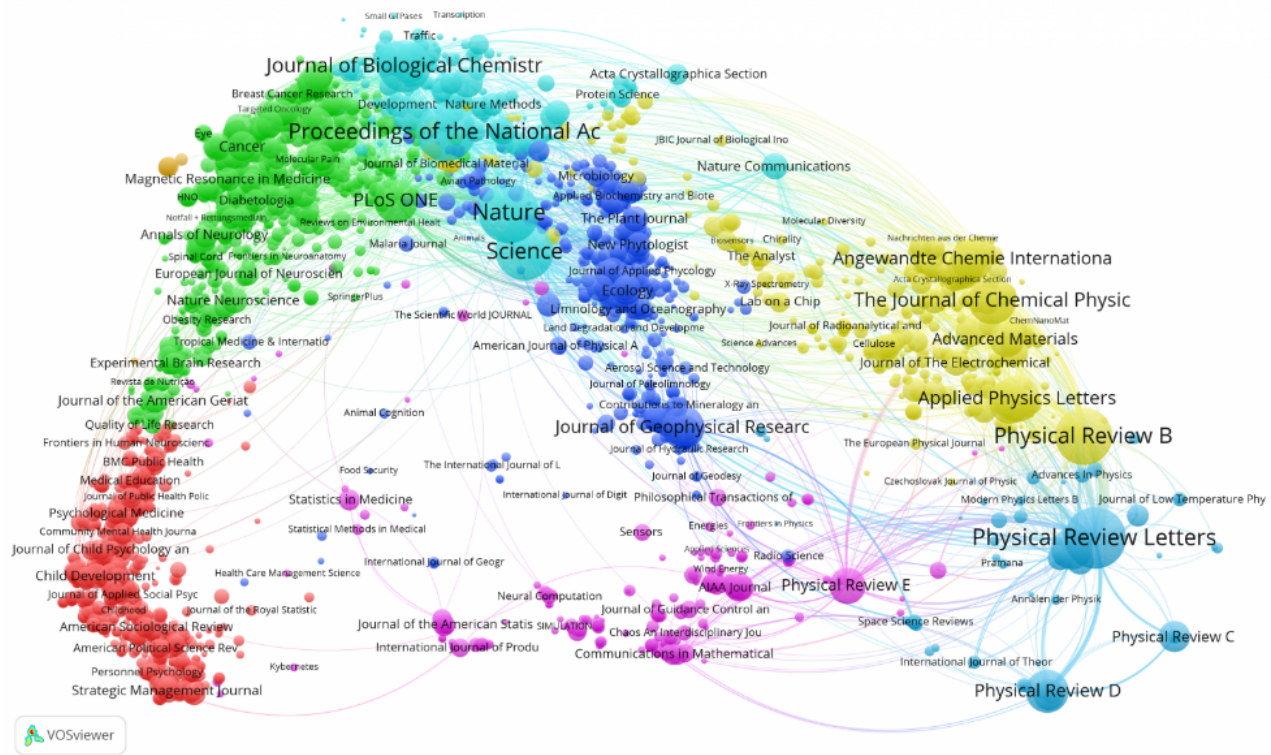
JSON file (optional): ?

< Back Next > Finish Cancel



Journal citation network based on Crossref data





🕒 4 minute read.

Underreporting of matched references in Crossref metadata



Geoffrey Bilder – 2019 February 05
In [APIS](#), [Citation](#), [Metadata](#)

TL;DR

About 11% of available references in records in our OAI-PMH & REST API don't have DOIs when they should. We have deployed a fix, but it is running on billions of records, and so we don't expect it to be complete until mid-April.

Note that the Cited-by API that our members use appears to be *unaffected* by this problem.

The gory details

When a Crossref member registers metadata for a publication, they often include references. Sometimes the member will also include DOIs in the references, but often they don't. When they don't include a DOI in the reference, Crossref tries to match the reference to metadata in the Crossref system. If we succeed, we add the DOI of the matched record to the reference metadata. If we fail, we append the reference to an ever-growing list which we re-process on an ongoing basis.

query.title feature blocked on REST API

Incident Report for Crossref

Resolved

We've been monitoring for 16 hours, and it looks as though the work we've done to block the query.title feature on the REST API has made the REST API and dependent services stable.

Posted 24 days ago. Oct 17, 2019 - 11:23 UTC

Monitoring

We've now put the block in place on the query.title feature of our REST API.

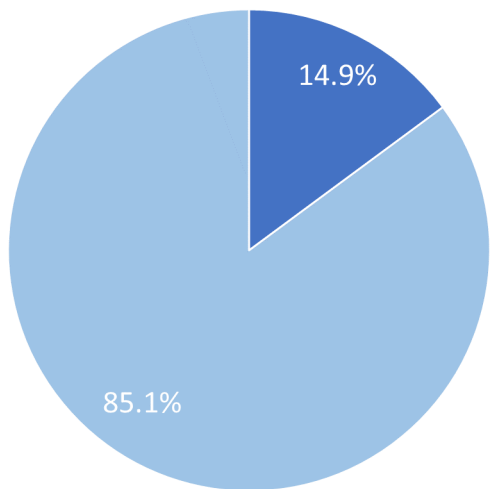
If you're currently using query.title, please change to query.bibliographic instead.

Posted 25 days ago. Oct 16, 2019 - 18:47 UTC

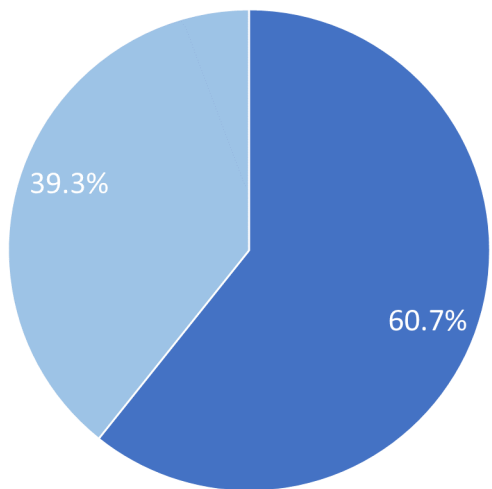
Identified

Important: query.title feature to be blocked on REST API

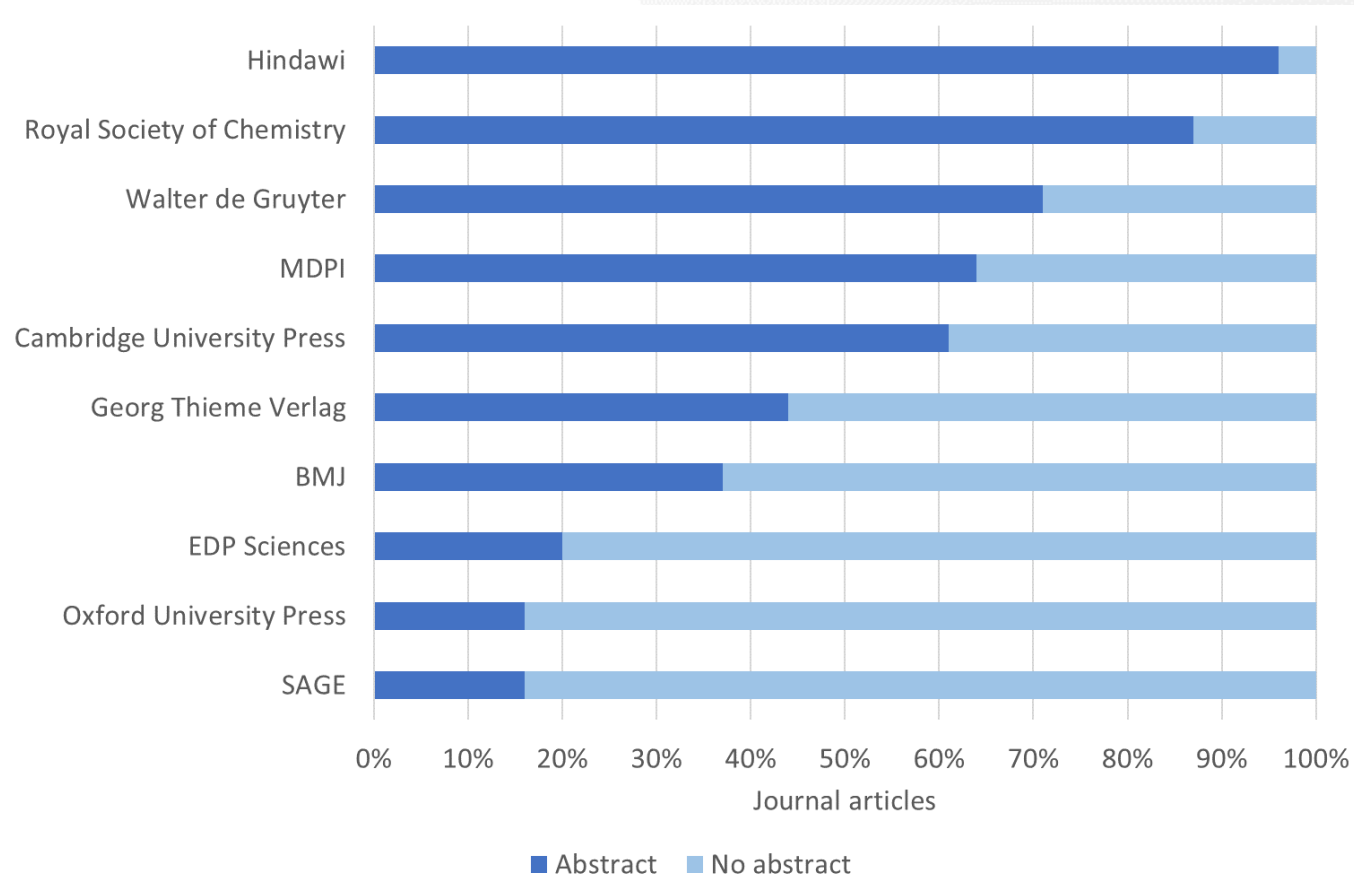
As users will have noticed, we've been having recurring performance issues on the REST API and related services such as Crossref Metadata Search and Content Negotiation. This has been particularly problematic over the last couple of days.



■ Abstract in Crossref ■ No abstract in Crossref



■ Abstract in Lens ■ No abstract in Lens



■ Abstract ■ No abstract





Recommendation 1

Make sure your basic infrastructure works well

Recommendation 2

Work together with publishers to increase completeness of metadata (abstracts, affiliations, license data, etc.)

Recommendation 3

Participate in initiatives for improving and enriching metadata; develop fair models for funding and sustaining such initiatives

Thank you for your attention!