



MONITOR PORTFOLIO



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OpenCitations: introduction

OpenCitations (http://opencitations.net) is an independent infrastructure organization

- dedicated to open scholarship and the publication of open bibliographic and citation data by the use of Semantic Web technologies
- engaged in advocacy for open citations and open bibliographic metadata

It provides:

- a data model: the OpenCitations Data Model (based on the SPAR Ontologies)
- bibliographic and citation data (CC0): OpenCitations Corpus, COCI, CROCI, CCC
- software: in our <u>GitHub repository</u>, released with open source licenses
- online services: <u>REST APIs</u>, <u>SPARQL endpoints</u>, <u>dumps</u> and <u>interfaces</u>

OpenCitations: goals

OpenCitations has been established as a fully free and open infrastructure to provide access to global scholarly bibliographic and citation data, with the intent to rival those from proprietary services, e.g. Clarivate Analytics' Web of Science (WoS) and Elsevier's Scopus

OpenCitations enables

- Fairness: it avoids institutions and independent scholars having to pay tens of thousands of dollars annually (that most of them cannot afford!) for commercial access to their own scholarly data
- Reuse: no license restrictions, since the data are provided under CCO, so users can republish and reuse for any purpose the citation data that OpenCitations provides
- Research assessment: by providing crucial data for national and international research evaluation exercises, OpenCitations makes such activities transparent and reproducible
- Governance: community involvement

OpenCitations: data

OpenCitations Indexes (http://opencitations.net/index), including COCI (our main source) and CROCI (DOCI (launch: July 2018): >759M citations between >60M bibliographic entities

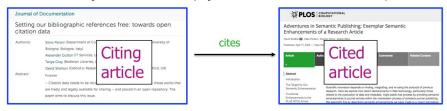
We are setting up (1) a system to enable you to share your own citation data and bibliographic metadata on our OpenCitations Indexes and in a new bibliographic metadata collection, OpenCitations Meta, and (2) the Open Biomedical Citations in Context Corpus (funded by the Wellcome Trust) that will contain in-text reference pointers and citation contexts of OA articles in the PubMed OA subset

OpenCitations Indexes Service	URL
REST API results in CSV and JSON	https://opencitations.net/index/api/v1
SPARQL endpoint results in several formats	https://opencitations.net/index/sparql
Dumps all data in CSV, Scholix, RDF	http://opencitations.net/download#index



Citations as first-class data entities

Citations are normally treated simply as the links between published entities



Alternative richer view is to regard a citation as a data entity in its own right





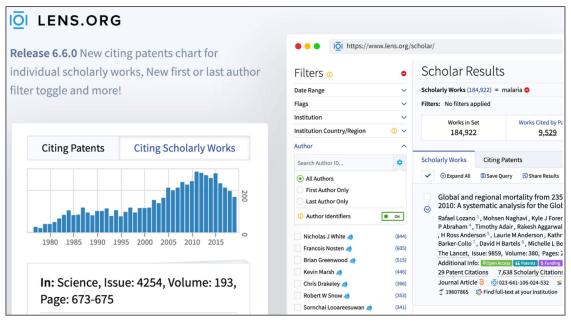




has cited article

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creation: "2020-02"
author_sc: "no"
oci: "0200101060236262828491049000000203-02001000007360907086303630003006300006060863064908"
timespan: "P2Y"
cited: "10.1007/978-3-030-00668-6_8"
citing: "10.1162/qss_a_00023"
journal_sc: "no"
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Known uses of OpenCitations: Lens.org



The Lens.org is an aggregator of scholarly metadata about scholarly works and patents, and offers services to discover, analyse, manage and share knowledge

In the 6.6 release, they have "added citation data from the latest release of OpenCitations Index of Crossref open DOI-to-DOI citations (COCI, most recent update: 21 January 2020)"

https://about.lens.org/release-6-6/

Known uses of OpenCitations: DBLP



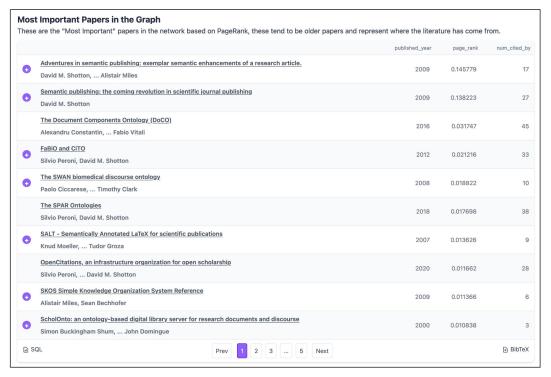


The <u>dblp computer science bibliography</u> is the on-line reference for bibliographic information on major computer science publications, and provides free access to high-quality bibliographic metadata and links to the electronic editions of publications

It uses OpenCitations APIs (and others) to retrieve on-the-fly citation information about each publication in dblp that is assigned with a DOI

https://blog.dblp.org/2019/11/11/open-citation-data-and-dblp/

Known uses of OpenCitations: Inciteful



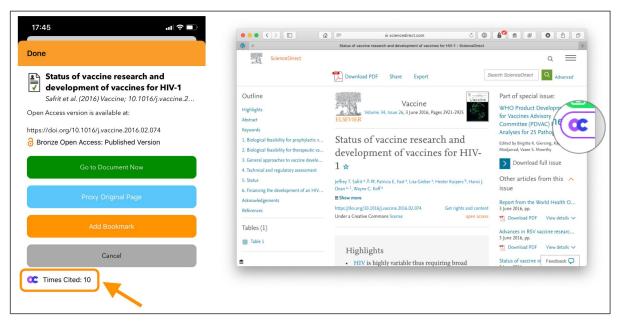
<u>Inciteful</u> is a database that includes information of the majority of academic papers in peer reviewed journals as well as books

It uses OpenCitations data for the citation data needed to build the knowledge graph of bibliographic resources they store



https://help.inciteful.xyz/how-does-it-work.html

Known uses of OpenCitations: OpenAccess Helper



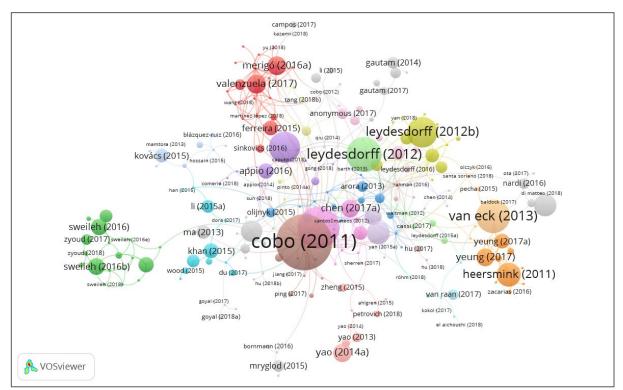
Open Access Helper is designed to help you get easy access to Open Access versions of otherwise "paywalled" scientific articles

It uses OpenCitations' APIs to gather and expose the citation count of the article in consideration

https://www.oahelper.org/open-citations/



Known uses of OpenCitations: VOSviewer



<u>VOSviewer</u> is a software tool for constructing and visualizing bibliometric networks that can be constructed based on citation, bibliographic coupling, co-citation, or co-authorship relations

It uses OpenCitations' API to retrieve the DOIs of publications that cite one or more input papers

https://www.cwts.nl/blog?article=n-r2v284

Supporting Open Science Infrastructures



DIRECTORY OF OPEN ACCESS BOOKS
OPEN ACCESS PUBLISHING FOR EUROPEAN NETWORKS
PUBLIC KNOWLEDGE PROJECT
OPENCITATIONS

SCOSS LAUNCHES SECOND FUNDING CYCLE

Read about these essential services, their funding goals and how your institution can help support them at www.scoss.org.









