Measuring the impact of Open Access on your institution’s collections

The Web of Science™, Journal Citation Reports™, and InCites Benchmarking & Analytics™

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July 9, 2020
Agenda

• OA fundamentals, available versions and their definitions in Web of Science

• Use Journal Citation Reports to evaluate Gold and Hybrid OA journals beyond the Impact Factor

• InCites B & A’s *Local Journal Utilization Report* can help you determine the most relevant journals to your institution’s research community
Ever growing scholarly publishing landscape

- 3 million papers per year\(^1\)
- 42,500 scholarly journals\(^1\)
- 14,785 open access journals\(^2\)
- 13,000 “predatory” journals\(^3\)

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\(^1\)2018 STM Report
\(^2\)Listed in DOAJ June 16, 2020
\(^3\)May 2020 Economist article

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Ever growing scholarly publishing landscape
How do researchers and librarians at your institution assess scholarly journals?

Find journals consistent with your values to showcase your research

Ensure your library collections support rigorous research and teaching

Make data-driven decisions about your open access strategy
Web of Science & Kopernio
Web of Science Platform
Multidisciplinary research experience across the sciences, social sciences, and arts and humanities

- **34,000+** Journals across the platform
- **21,000+** Total journals in the *Core Collection*
- **8.9 million+** Data Sets and Data Studies
- **1.8 billion+** Cited references
- **166 million+** Records
- **87 million** Patents for over 43 million inventions
- **12.6 million** Records with funding data
- **218,000+** Conference proceedings
- **87 million** Patents for over 43 million inventions
- **111,000+** Books

Statistics as of February 2020

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Web of Science Core Collection

Science Citation Index Expanded
Social Sciences Citation Index
Arts & Humanities Citation Index
Emerging Sources Citation Index
Conference Proceedings Citation Index
Book Citation Index

Research with confidence using a publisher-neutral citation index

21,000+ journals indexed cover-to-cover
- Multidisciplinary
- International
- Influential

Powerful citation network with complete cited reference search, cited reference linking and navigation

Unbiased journal selection and curation

Source data for Journal Impact Factor
Web of Science Core Collection

Journal Selection Policy

Comprehensive and transparent curation and selection criteria for high-quality research remain applicable for all OA journals.
An unbiased view of Open Access
Helping you discover, access and evaluate high-quality Open Access content

✓ Discover and access trusted, peer-reviewed OA with confidence—and find non-“predatory” OA journals to publish in.
✓ Extend your full text budget with seamless access to millions of OA articles.
✓ Understand the impact of your institution's investment in Open Access.

Web of Science indexes ALL quality OA versions—both Green and Gold.

Web of Science Group provided grant funding to OurResearch (formerly Impactstory), a non-profit, to improve their OA detection and versioning technology for both Web of Science users and the community as a whole.

Supporting your Open Science initiatives with trusted data & scalable tools

- **Web of Science**
  Web of Science helps you find full text from quality Open Access journals, and measure the impact of your institution’s investment in Open Access.

- **Web of Science Core Collection**
  Our Journal Selection Policy helps your researchers find & publish content in reputable Open Access journals.
  View our Master Journal List

- **Kopernio**
  Delivers Open Access content to your students and faculty when subscription content is unavailable.
  Learn more

- **Data Citation Index**
  - 90% of repositories in the Data Citation Index provide free access to content, so that you can acquire data instantly.
  - We are DataCite members, and endorse the Force 11 joint declaration on data citation.

- **VIVO Services**
  Web of Science Group is a corporate sponsor of VIVO, and we serve on the leadership group.
  View our demo VIVO site

- **Publons**
  Publons provides you with infrastructure to make open peer review possible.
  Read about our partnership with Wiley
  See it in action
  - Article
  - Open Peer Review History in Publons

“Open Science” is an umbrella term used to represent all forms of openness in the scholarly research environment.
What types of Open Access are identified in the Web of Science?

**DOAJ Gold**
100% of the articles published within a journal are open access.

**Other Gold**
a.k.a. “Hybrid” Individual articles that are available at no charge from otherwise subscription-based journals. These papers have been identified by Impactstory as having a Creative Commons (CC) license that are not in DOAJ journals.

**Bronze**
A freely accessible final version of an article on a publisher's website. Bronze OA on Web of Science can contain free-to-read copyrighted "public access" versions and free-to-read versions where license information was unidentifiable.

**Green Published**
Papers are final published articles available without charge from a repository.

**Green Accepted**
Papers are peer-reviewed, accepted manuscripts available without charge from a repository.
Kopernio
Stop clicking, start reading.

One click to the best available PDF at your point of need, based on your library’s subscription.

✓ Integrate full text access into your researchers’ existing discovery workflows.
✓ Increase the value of library subscriptions by making them an implicit component of ALL discovery paths.
✓ Stretch the library’s budget by making it easy to identify OA full-text when an article isn’t part of your subscription.

Install in Chrome
Firefox Extension
Learn more

Browser Plug-in
Journal Citation Reports
What is the JCR?

The JCR is an annual report that distills citation trend data from the Web of Science Core Collection to help you understand journal performance.

• View Journal Impact Factor and other metrics.
• Data represents a snapshot in time: the 2020 edition reflects citations from literature published in 2019.
• All journals in JCR are sourced from two indexes:
  – Science Citation Index Expanded
  – Social Sciences Citation Index
• Citations are sourced from all indexes in the Web of Science Core Collection.

2020 Journal Citation Reports
2019 Data

- **12,171** journals
- **236** categories
- **83** countries
- **1,658** Gold OA journals
- **7,487** Hybrid journals
- **351** new journals added to the JCR this year
- **33** journals suppressed
- **15** Editorial Expression of Concern on 15 additional titles
- **9.41%** average increase in Journal Impact Factor

Quickly obtain a concise view of each journal’s recent citation impact alongside descriptive statistics on contributing authors and open access.
Rely on Journal Citation Reports to identify the right journals for your institution

- Conduct research evaluation more responsibly with multidimensional journal indicators and context for the numbers
- Find the best-fit journals for your manuscript using a tool that helps you consider audience, topical relevance, open access and citation impact
- Ensure that your library collections support rigorous research and teaching using publisher-neutral data produced by objective experts
- Obtain the transparency you need to make data-driven decisions about your open access strategy with ease and speed using an intuitive tool
Research Integrity
Follow best practices for research evaluation with multidimensional journal profiles

✓ Assess journals with multiple indicators and visualizations that provide you with context for the numbers

✓ Quickly and easily distinguish the difference between article versus journal metrics

For more information, see ISI’s Profiles, not Metrics Report
Help your institution conduct research evaluation more responsibly

- Recognize the extent to which outlier papers may be driving a journal’s JIF
- See the difference between paper versus journal level citations
- Understand how citation rates vary for articles versus reviews
Make confident decisions about your open access strategy
Transparent open access data in the JCR

✓ Identify reputable journals that can make your article available as open access at the time of publication
✓ Understand how journals’ access models impact the scholarly discourse within your community
✓ Make data driven decisions about your organization’s open access policies

Open Access data sourced from Our Research (formerly ImpactStory).

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How is open access content displayed in Journal Citation Reports?

**Gold OA Citable***

Papers tagged as either DOAJ Gold or Other Gold in Web of Science are counted as Gold OA Citable in JCR.

**Subscription and free to read**

Papers identified as Bronze, Green Published and Green Accepted in Web of Science are counted as part of the Subscription and Free to Read Citable content in JCR.

**Citable items**

All materials indexed as articles or reviews in Web of Science and counted as Citable Items in the denominator of the JIF.

**Other**

Incidental items, such as editorial material, correspondence, news, meeting abstracts, that are not counted in the JIF denominator.

**Unlinked**

Citations to a journal that have incomplete data at the paper level, but are still included in the JIF calculation.

*The data are current as of the time of JCR extraction from the Web of Science.*
Make confident collections management decisions
Easily understand how open access articles contribute to hybrid journals

View OA status at the article level for the full list of citable items, and export the data as a CSV file to use in your analytics projects
InCites Benchmarking & Analytics
Local Journal Utilization Report (LJUR)
Local Journal Utilization Report
Identify the most relevant journals to your institution’s research community with ready-made analyses

Tile 1: In which journals do my organization’s authors outperform the average journal citation rate?

Tile 2: In which journals do my organization’s authors publish most frequently?

Tile 3: Which journals are your organization’s authors citing?

Tile 4: Are your authors citing recent or older material from that journal?

Tile 5: Which journals are citing your organization’s authors?

Tile 6: Are your authors being cited by recent or older material?

data from 2006-present
Product Demonstration

https://incites.clarivate.com/
Save time analyzing your institution’s OA research footprint with customizable tiles in LJUR

- View your institution’s data from 2006-present
- Add OA indicators
- Refine by Research Area and Publisher
- One click to export 50K lines of data to Excel
More information about InCites Benchmarking & Analytics
On-demand learning resources

For librarian-specific tasks:
http://clarivate.libguides.com/incites_ba/library

Managing Journal Collections:

Open Access Analysis:
http://clarivate.libguides.com/ld.php?content_id=27010518
Make data-driven decisions about your open access strategy

Easily access over 11.4 million OA articles from both publishers and repositories, in addition to the content you subscribe to.

Integrate OA status metadata into your institutional repository with Web of Science APIs.

Quickly determine how much your institution is likely paying in APCs with comprehensive data on the gold and hybrid journals your researchers have published in.

Inform your collections management decisions by analyzing by all types of OA (gold, hybrid, green) to understand where your researchers are publishing.

Direct your users to trusted, legitimate sources of full-text articles—regardless of whether or not your library has a subscription.
Thank you

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Appendix
Customer examples
Geological Survey of Canada and CanmetMATERIALS libraries (Both divisions of Natural Resources Canada)

Yongtao Lin (Calgary, AB) and Alana Pollock-Greenwood (Hamilton, ON), Library Managers

Using WoS Core Collection and InCites B&A to identify government researchers’ OA publication trends

Poster presented at the Ontario Library Association Superconference, Jan 2020

The Impact of the Global Open Access Movement on Open Access Publishing by Canadian Government Departments

Yongtao Lin1, Alana Pollock-Greenwood2 & Marisa Ruccolo3

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Introduction & Objectives
This study explores whether and how the global Open Access (OA) movement has impacted federal government researchers by following the growth in OA publishing and open science (OS) initiatives, such as Canada’s Action Plan on Open Government, on their research and publication trends.

- How has OA adoption impacted researchers’ OA publication trends over time?
- Have OA policies contributed to an increase in OA compliance?
- How have OA policies impacted researchers’ OA publication trends?

Methodology
The selection of the Federal Science Library database and its OA publication data for our analysis is a valid representation of Canadian federal government researchers. The ESRC, which provides improved access to Federal scientific innovation, includes all OA publications in its database.

OA Trends

The OA trends of the OA Core Collection database were used to identify OA publication and citation trends in four OA categories: OA gold, OA green, OA accepted, and OA accepted. Articles were evaluated using the WoS Core Collection and InCites Benchmarking Analytics to form a government institutional report which lists OA publications benefiting from OA publishing. Canadian funders and collaborations for OA documents, etc. A major limitation of this study is that not all OA publications by government researchers are captured for analysis since they are not indexed in WoS.
Customer examples
University of Wisconsin Milwaukee Library


Now, let’s find publications affiliated with UWM in Web of Science Core Collection within our campus subscription timespan 1987-2018. The searches were conducted utilizing Organization-Enhanced field for: University of Wisconsin Milwaukee on October 17, 2018. Total number of results: 24,083 including the following division for open access:

- All Open Access 4,181 (17.4% of the total 24,083)
- Gold or Bronze 3,197 (76.5% of all OA 4,181)
- Green Accepted 547 (13.1% of all OA 4,181)
- Green Published 437 (10.5% of all OA 4,181)

The top three funding agencies for the UWM researchers are:
1. National Science Foundation (749)
2. National Institutes of Health (429)
3. Science and Technology Facilities Council (175)
Emerging Sources Citation Index

More than 43% of the content in ESCI is available as open access

1.4 M OA records (including Bronze)

Total content: + 3.4 M records in these top 10 categories

Statistics as of June 24, 2020
Kopernio delivers best available version

You click "View PDF"

"View PDF" Button appears

Publisher websites

PDF search

Your personal Kopernio locker

Aggregators, such as JSTOR

DOI found

DOI detection

Open Access repositories

Watch the video
Kopernio authenticates at 2 points in this process:
1. PDF search
2. PDF download

“View PDF” Button appears
You click “View PDF”
Kopernio delivers best available version

Publisher websites
Open Access repositories
Your personal Kopernio locker
Aggregators, such as JSTOR

Your logo
Publisher website

Connect with your library

Connect Kopernio with your library to continue enjoying one-click PDF access off campus.

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You only have to do this once. Your credentials will be encrypted and stored safely in your browser.
Kopernio’s commitment to privacy

What Kopernio knows
✓ Who you are (your name & affiliation)
✓ Where you are (your IP address)
✓ What you have already stored in your Kopernio locker

What Kopernio doesn’t know
X Your login credentials
   These are encrypted, and stored locally in your internet browser.
X Your current library holdings/subscriptions
   Your access is checked in real time.

Our Data Principles: https://kopernio.com/data-principles

Privacy Policy: https://kopernio.com/terms
Leading innovation in OA discovery, access, and assessment
Web of Science indexes **ALL** quality OA versions—both Green and Gold.

Because some citation databases exclude Green OA, and others lack stringent selection criteria, Web of Science remains the only publisher-neutral citation database that comprehensively covers editorially controlled and versioned OA.