Web of Science

EXTERNAL RELEASE DOCUMENTATION

Platform Release 5.28
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RELEASE OVERVIEW

The following features are planned for the Web of Science on March 25, 2018. This document provides information about each of the features included in this release. If you have any questions, please contact: Nina Chang, Product Manager, Web of Science, at nina.chang@clarivate.com.

FEATURES

Analyze Results Redesign
- New intuitive visual analysis experience that makes it easy to grasp trends in large data sets at a single glance
- Interact with the visualization to provide more or less detail about the dataset
- Export the visualization to illustrate impact in a grant or tenure application
- Retains all of the current powerful functionality of Analyze Results for expert users

Find Research Data
- Find research data related to your topic while searching within Web of Science Core Collection
- Download data sets and data studies from repositories to reproduce or build on published results

Cited Reference Searching
- New sorting ability makes it easier to identify all occurrences of a cited reference
- Export cited references for additional analysis

Cited References on Full Record
- Quickly see the prior research that influenced articles of interest on the full record

Expanded Export via Fast5K
- Article identifiers such as DOI and accession number (UT) now available from Fast5K.

Browser support

Operating Systems:
- WIN 7 – Recommended
- Mac 10.9 – Recommended

Browsers for WIN:
- Google Chrome 59 – Fully Supported
- Firefox 54 – Fully Supported
- IE 11 – Fully Supported

Browsers for Mac:
- Safari 10.X - Recommended
- Firefox 54 – Fully Supported

Note: WIN 7 is the only supported operating system compatible with IE 11.
New visualizations for Analyze Results answer question in a glance

Web of Science’s high quality data has long been used by researchers, funders, and deans to answer pressing questions about their impact in the scholarly community. Researchers can understand where their work is influential across disciplines, countries, and institutions; funders can see what research topics have been funded and where centers of excellence exist; and deans can identify which other organizations would make good collaborators.

To make it easier for all users to understand trends within a large data set, Web of Science now complements the existing Analyze Results functionality with a new interactive visualization. The default visualization will represent the top ten results of the first field as either a treemap or a bar graph. Users may modify the visualization by changing the field to be analyzed, the visualization type, or number of results to be shown (up to the top 25). Please remember to click on Update Graph after changing the type or number of results to see your selections reflected in the visualization. Those users interested in sharing the analysis can download the visualization as an image to include it in a report.

The full detail of the analysis remains accessible beneath the visualization. Values are sorted by record counts by default. Users may change the order of the fields from a record count sort to an alphabetical order. Click on “Update Table” to apply the requested changes. Use the checkboxes to select specific value(s) to view the underlying records by clicking on View Selected or click on Exclude Selected to see all records except those containing the selected value.

Figure 1: Redesign of Results Analysis offers a visualization to illustrate trends in large datasets at a glance. (For illustration purposes only)
These enhancements make data analysis more accessible to all users, regardless of their expertise. For expert users who wish to further analyze the data, the complete analysis beyond the top 25 results shown in the visualization and supporting table remains available for export at the bottom of the page. This export supports 200,000 values of the analyzed field (for example, the top 200,000 authors can be outputted from a single result set).

Integrated data discovery within the Web of Science Core Collection

Easy access to research data is essential for the academic community. Unfettered access to research data combats scientific fraud as well as maximizes a funder’s investment by enabling others to re-use data. However, before the data can be re-used, it must be discoverable by the researcher. Due to the multitude of data repositories and the differing levels of metadata that describe the data, finding data remains extremely challenging for most researchers.

To solve this problem, Web of Science has enabled the discovery of data repositories, data studies, and data sets from the Data Citation Index in the context of traditional literature found within the Web of Science Core Collection. In other words, researchers may filter a result set of scholarly articles that relate to their research topic to identify articles that mention specific data sets, data studies, or repositories that have been indexed in the Data Citation Index. In this manner, Web of Science has made millions of data sets/studies easily discoverable within the researcher’s current workflow.

Please note that a subscription to Data Citation Index is required to view these Associated Data links within Web of Science Core Collection.
Figure 3: Discover data mentioned in literature related to your topic in a single integrated workflow. (For illustration purposes only)

Once an article of interest has been selected, simply click on the article title to view the Full Record. On the full record, click the Associated Data icon to jump vertically to the Associated Data table. To learn more about the data, click on the title to view the full details in Data Citation Index. Alternatively, use the Link to External Source to go directly to the repository to access the data.

Figure 4: Learn more about the data by viewing the record from Data Citation Index or go directly to the repository to access data. (For illustration purposes only)
Sort and export within Cited Reference Search to find all variants

As a true citation index, Web of Science allows users to find relevant scholarly literature in (1) the carefully curated source material that meets the selection criteria via Basic Search and (2) the articles cited by those sources in their reference section or bibliography via Cited Reference Search. Cited References are the foundation of the Web of Science’s Times Cited count, which has become the standard measure of an article’s impact for grant and tenure applications. Due to the importance of the Times Cited count, it is critical that no citations are overlooked due to variations in how the article was cited.

To get the most complete and accurate picture of a publication’s impact, users must collect all variations of how the article may have been cited. Authors do not always provide complete and accurate citations to an article. An omission of a volume or page number or incorrect abbreviation of a journal title may mean that a citation may be overlooked if it cannot be associated with the correctly supplied Cited References.

To help users discover all citations to a publication, including citation variations, Web of Science has introduced new sorting options for the Cited Reference Search within all their citation indexes: Web of Science Core Collection, Biosis Citation Index, Chinese Science Citation Database, Data Citation Index, Russian Science Citation Index, and SciELO Citation Index.

Clicking on the arrowhead next to each field within the table header will sort the Cited References by the selected field (as indicated by the shading). This sorting will group similar Cited References together by the selected field, thus making it easier to see variations to the same article.

Figure 5: New prominent filter identifies all open access content within search results quickly and easily. (For illustration purposes only)

Full Record redesign to expose Cited References

Web of Science is continuing its redesign of the Full Record page to emphasize the most important elements to the user. After streamlining the Citation Network to quickly communicate the most important article-level metrics and related records, we have turned our attention to the main area of the Full Record page. In this release, this page now features the first 30 Cited References so that users can easily see the previously published literature that influenced the current article. When a Cited Reference originates from a source indexed on Web of Science, links are provided so that the user can read the abstract. Times Cited counts are also available for Cited References that are indexed on Web of Science so that a reader can easily find other related content.
Figure 6: Cited References now available at the bottom of the Full Record for easy access to related content via the Citation Network. (For illustration purposes only)

At the same time, the Full Record page minimizes information overload by highlighting the most important metadata while retaining all the metadata on demand. Simply click on “show more data fields” to expose document and other related information.

Figure 7: Streamlined data fields on Full Record minimizes information overload. . (For illustration purposes only)

Article identifiers now available from Fast5K

To provide even more value for customers who wish to further analyze a dataset, Web of Science’s Fast5K service now includes the digital object identifier (DOI) or the accession number (UT) for records. Fast5K allows users who have signed into a personalized account to output up to 5,000 records at one time. The presence of this identifier makes it easier for users to match the author, title, source metadata with information contained in other analytical tools such as InCites.
Figure 8: New article identifiers of digital object identifier and accession number now available from Fast5K to make it easier to use the data in analytical tools such as InCites. (For illustration purposes only)

- DOI and UT added to Fast5K output
- Remember: Fast5K requires personalization