Analyzing Author Research Impact with Web of Science and InCites

How do I calculate metrics for my publications in Web of Science?

1. Go to Web of Science (www-lib.uwyo.edu/utils/permalink.cfm?id=23416)

2. Search by the desired Author name and variants (hint: use the "Select from Index" button to find author entries in the database), or by Author Identifier (Researcher ID, www.researcherid.com, or ORCID, orcid.org), to create a set of records representing publication output. You may need to refine your result set to remove records for other authors with the same name.

3. Click "Create Citation Report" at the top right of the results list.

The report includes:

- Two graphs: Published Items in Each Year, and Number of Citations in Each Year.
  - Results found: number of items in the list
  - Sum of Times Cited, with and without self-citations
  - Citing Articles, with and without self-citations: number of articles, hyperlinked to listings in Web of Science
  - Average Citations per Item
  - h-index

A list of records, showing for each item:

- Number of citations per year
- Total citations
- Average citations per year
If the Citation Reports item list contains records for publications by other authors, you can remove them by clicking the checkbox next to the item to select it, and then clicking the "Go" button above the list to create a new report.

More information:

Video: Demonstration of the Web of Science Citation Report feature
tinyurl.com/CitationReport
How do I calculate and compare metrics for my publications in InCites?

1. Login to InCites (www-lib.uwyo.edu/utils/permalink.cfm?id=82691). Note: You will need to create a personal InCites/Web of Science login account to use this service.

2. Click "Analytics" (under the InCites/Thomson Reuters logos). Under "Explore InCites Data," click the "People" icon.

3. Under "Filters," got to "By Attributes" and specify your search terms: Person Name or ID (only the Researcher ID is currently supported), and Affiliated Organization, if desired. Type in a few letters of the term you want in the box, then choose the appropriate entries from the list that appears.

   Note: If searching by name, make sure to include all the variants that may have been used on the author's publications.

You can include as many names as you want, in order to compare the performance of multiple authors.
When you are finished adding names, scroll down and click "Update Results" at the bottom of the left column.

Note: An orange dot appears beside parameters that have been activated for your search. To see a summary of the specified search parameters, mouse-over the "i" button in the "Results:" section at the top left of the window.

4. The list of results for the various specified author names (each variant of the name is listed separately) will include the following default metrics:

- **Web of Science Documents**: Number of documents indexed in Web of Science. Click the number to see a list, with metrics for each item.
- **Category Normalized Citation Impact**: Citation impact (citations per paper) normalized for subject, year and document type.
- **Times Cited**: Number of times the items in this set of publications has been cited.
- **Percentage of Documents Cited**: Percentage of this set of publications that have been cited one or more times.
If your publication output is represented by multiple entries corresponding to different forms of your name, you can create an entry that combines them. Click "Benchmarks" at the top right of the results list, and choose "Baseline for All Items" to combine the metrics for all entries in the list. To combine only some of the list entries, click the checkboxes beside the desired names to select them, then click "Pin to Top" at the bottom right of the list. Then, go to "Benchmarks" and choose "Baseline for all Pinned Items."

To add other metrics (or "indicators"), click the cog wheel icon at the top left of the results. On the Manage Indicators box, click "Browse Indicators," then click "Add" beside the ones you would like to display. Click "Done" view the list including selected indicators.

Some additional indicators include:

- **Citation Impact:** Average (mean) number of citations per paper.
- **Journal Normalized Citation Impact:** Citation impact (citations per paper) normalized for journal, year and document type.
- **h-index:** h-index of the set of publications.
- **Impact Relative to World:** Citation impact of the set of publications as a ratio of world average.
- **Average Percentile:** Average (mean) of the percentiles for this set of publications. An item's percentile indicates the percentage of items in the same year, subject category and of the same document type that are cited more often.
• **% Documents in Top 1% / Top 10%**: Percentage of publications in the top 1%, or top 10%, based on citations by category, year, and document type.

A chart area appears above the results list. You can specify the type of chart, the value displayed, and the number of elements (according to the ranking of the result list) by choosing from the lists above the chart area.

**How do I compare my research performance with other authors, and to national and global benchmarks?**

You can add as many authors as desired to compare performance metrics. To keep entries at the top of the list, click the check box beside the name, then click the "Pin To Top" button that appears. To compare with national or global benchmark figures, click "Benchmarks" at the top right of the result list, and select the desired "baseline": Global or Country (for each country represented by pinned items). You can also see baselines representing the average for all listed items, and for all pinned items.

**More information:**

Video: Introduction to InCites Benchmarking and Analytics  
[tinyurl.com/InCitesIntro](http://tinyurl.com/InCitesIntro)

**Contact Us**

Have more questions about research analytics? Contact a University of Wyoming librarian at cdoffice@uwyo.edu, including "Research Analytics" in the subject line.

For general library-related inquiries, see the University of Wyoming Libraries contact information at uwyo.libanswers.com

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