

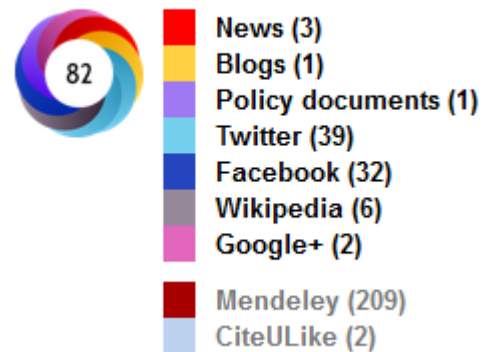
ALTMETRICS

There is increasing understanding that scholarly research has moved beyond the printed page and that traditional measures of impact are inadequate. Citations are only a small part of the scholarly ecosystem and only represent one type of impact. Other media types of increasing importance such as data, tools, software, websites, videos, etc. produced for or during the research process may be just as, or more, important than the articles that accompany them.

Since most research, including journal and proceedings articles, are now electronic and networked Altmetrics can track how many times they are accessed, used, and shared. These numbers provide a more complete picture of the reach and impact of research and scholarship; one that goes beyond citations in peer-reviewed publications.

Simply, Altmetrics are metrics beyond traditional citations.

Attention and Influence of research



Altmetrics types for articles:

- **Citations:** Scopus, Web of Science, PubMed Central, and Google Scholar citations; citations in policy documents
- **Bookmarks:** scholarly bookmarks on Mendeley & CiteULike; bookmarks by the public on Delicious & Pinboard; Twitter favorites
- **Discussion:** peer reviews on F1000, Publons, and other post-publication peer review websites; Twitter mentions and Facebook wall posts; newspaper articles, videos, and podcasts; mentions on scholarly blog networks like ResearchBlogging
- **Shares:** Twitter mentions, Facebook shares
- **Views:** Pageview & download statistics from the journal website or repository where you've archived your paper

Altmetrics types for books:

- **Citations:** Web of Science and Scopus citations; Google Book citations
- **WorldCat holdings:** the number of libraries worldwide that have purchased your book
- **Views:** Pageview & download statistics from your publisher's website or the repository where you've archived your book/chapter.
- **Ratings:** Amazon.com and Goodreads ratings
- **Discussion:** see "Articles" above
- **Bookmarks:** see "Articles" above