# UNDERSTANDING JOURNAL METRICS

How Editors Can Use Analytics to Support Journal Strategy

Angela Richardson
Marianne Kerr
Wolters Kluwer Health

# TOPICS FOR TODAY'S DISCUSSION

Journal, Article & Author Level Metrics: Best Practices

## Journal Metrics

- Impact Factor
- 5 Year Impact Factor
- Other Journal Metrics

## Article Level Metrics

- Altmetrics
- Relative Citation Ratio
- H Index

## Author Level Metrics

- Author Bibliometric's
- Citations

We are drowning in information but starved for knowledge.

(John Naisbitt)

izquotes.com

# Author Bibliometrics

Article Influence Score

RCR

Cited Half Life

Altmetric

Citescore

Journal Impact Factor

SJR

H-Index

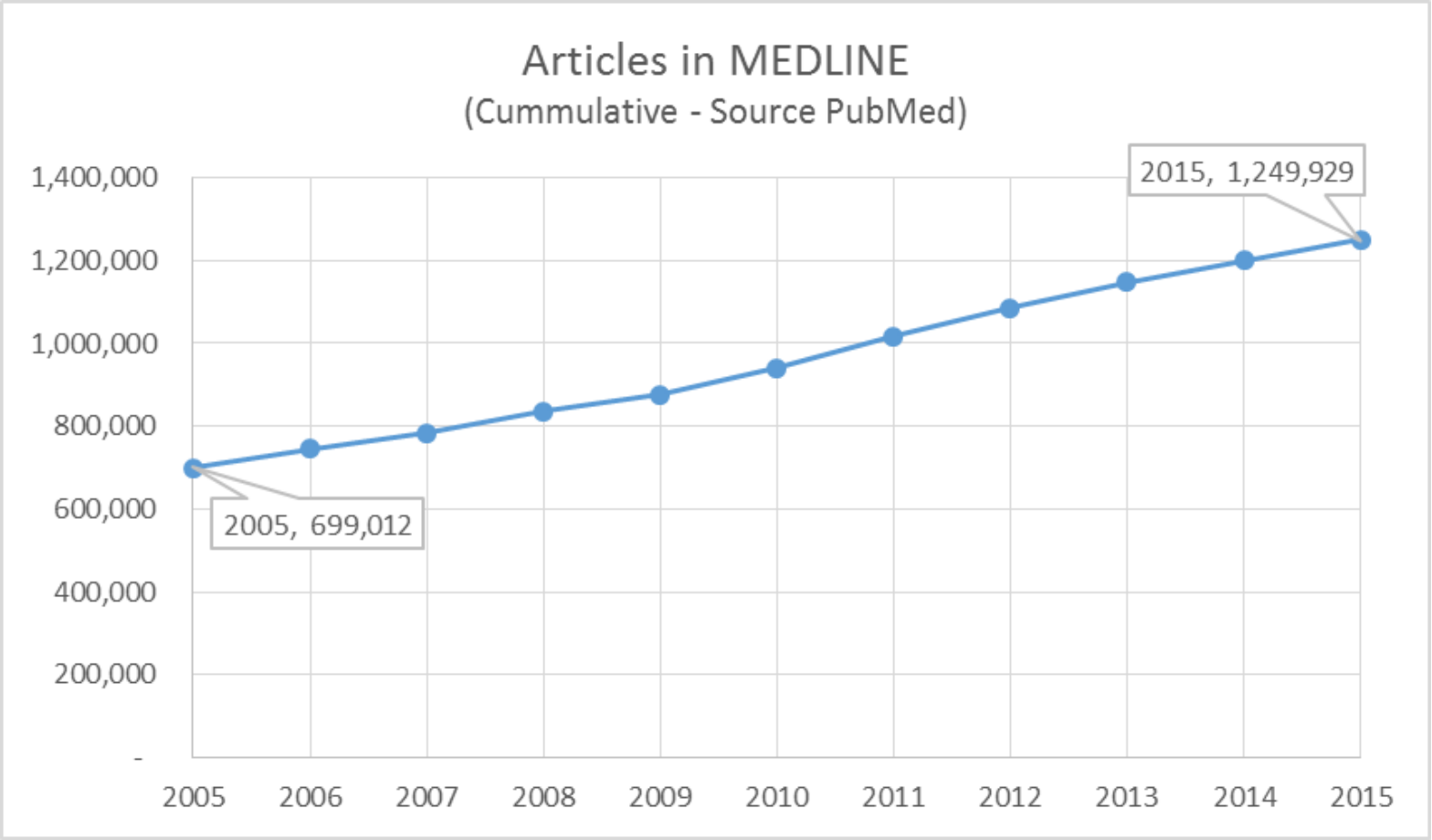
Eigenfactor

5-Year Impact Factor

SNIP

Wolters Kluwer

ISAJE International Society of Addiction Journal Editors




78.8% increase
In 10 Years

Wolters Kluwer

ISAJE International Society of Addiction Journal Editors

# BEST PRACTICES: BIBLIOMETRIC ANALYSIS & JOURNAL STRATEGIES

## Authors, Researchers and Academics

- Utilize bibliometric analysis by assessing the influence of published research
- Supporting research funding, academic departments, personal career development

## Librarians

- Utilize metrics to choose journals and content for their institutions
- Assist academics or library patrons assess the impact of research published in an article

## Publishers & Journal Editors

- Utilize metrics to create an editorial strategy supporting author acquisition
- Identifying editorial goals for the Journal Impact Factor
- *And* improved funding from publishers because of the increased value of the content

# EVALUATING THE WHOLE PICTURE

Traditional Bibliometric Data

**ACADEMIC ATTENTION**

Impact Factor
Citation Counts
H-index
Number of Publications

&

Alternative Metrics "Altmetrics"

**BROADER ATTENTION**

News Reports
Social Media
Wikipedia Citations
Reference Manager Readers…
And More

# JOURNAL METRICS

Journal Impact Factor
5-Year Impact Factor
Other Journal Metrics

# JOURNAL IMPACT FACTOR

***Journal Citation Reports*** **(JCR)** were developed in the 1970s by Dr. Eugene Garfield and Dr. Irving Sher. The main use case at the time remains the strongest use case today, and that is to assist librarians in managing their journal collections—to which journals should they subscribe, which ones are the strongest or most popular in their fields. Over the years, the use cases have expanded; JCR has become a valuable tool for publishers and for researchers as well.

The most well-known indicator in the JCR is the **Journal Impact Factor (JIF).** The **Journal Impact Factor** is a measure of the frequency with which the average article in a journal has been cited in a particular year. It is used to measure the importance or rank of a journal by calculating the times it's articles are cited.

The **5-Year Impact Factor** can be a more stable metric for smaller titles as there are a larger number of articles and citations included and is useful for journals or subject areas where it takes longer for work to be cited.

Clarivate™ Analytics is the current owner of the Web of Science™(WOS). The WOS began in the 1960s as the Institute for Scientific Information, or ISI. In the 1990s, it became part of Thomson (referred to as Thomson, Thomson Scientific, or Thomson ISI), and then Thomson Reuters.

# JOURNAL IMPACT FACTOR


2015 Journal Impact Factor = (2015 citations to items in 2014 + 2015 citations to items in 2013) / (citable items in 2014 + citable items in 2013).

# 5-YEAR JOURNAL IMPACT FACTOR

Number of citations in one year to content published in the previous five years

÷

Number of articles and reviews published within the previous five years

=

5-Year Journal Impact Factor

5-Year Journal Impact Factor is the average number of times articles from the journal published in the past five years have been cited in the given Journal Citation Report (JCR) year. It is calculated by dividing the number of citations in the JCR year by the total number of articles published in the five previous years.

# OTHER JOURNAL METRICS

Immediacy Index

Cited Half-Life

Eigenfactor

Article Influence Score

Citescore

Snip

SJR(Scimago Journal Rank)

And more!

# ARTICLE LEVEL METRICS

Altmetrics

*h*-Index

Relative Citation Ratio

# ARTICLE LEVEL METRICS

There are various tools and methods upon which to measure the impact of an individual or their scholarship. Today we will focus on:

**Altmetrics:** Altmetrics is a quantitative measure of the quality and quantity of attention that a scholarly work is receiving through social media, citations, and article downloads.

***h*-index:** The *h*-index is an index to quantify an individual's scientific research output. There are several databases (Web of Science, Scopus, and Google Scholar) that will provide an h-index for an individual based on publications indexed in the tools.

**RCR:** A field-normalized metric that shows the scientific influence of one or more articles relative to the average NIH-funded paper.

# WHAT IS ALTMETRICS?

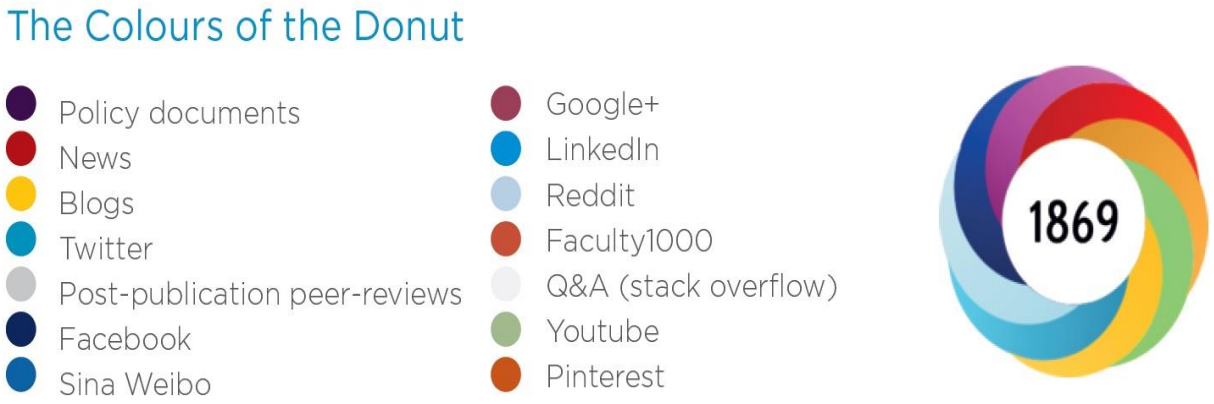
- Altmetrics is a broad term that encapsulates the collection of *multiple digital indicators* related to scholarly work. These indicators are derived from activity and engagement among diverse stakeholders and scholarly outputs in the research ecosystem, including the public sphere.
- A *real-time measure* of online conversations around research – helps you understand how it is being received and used
- A metric that combines a selection of online indicators – including *non-traditional sources* (blogs, social media, etc.)
- A measure *complementary* to traditional citation-based analysis

# WHO IS ALTMETRIC?

**About Altmetric**
Altmetric is a London based company that tracks and analyses the online activity around published articles, books, datasets and other scholarly outputs. We work with some of the world's biggest publishers, funders, and institutions to deliver actionable insights using high-quality data.

Altmetric is supported by Digital Science. Visit http://www.altmetric.com or follow us on Twitter @altmetric for more information.

# ALTMETRIC COLOR CODE AND SCORE




Score is weighted to reflect the relative importance of each type of source. It's easy to imagine that the average newspaper story is more likely to bring attention to the paper than the average tweet. This is reflected in the default weightings.

Example default score contributions for different sources:

| News | Blogs | Q&A forums | Twitter | Google+ | Facebook |
|---|---|---|---|---|---|
| 8 | 5 | 2.5 | 1 | 1 | 0.25 |

# ALTMETRIC AND REACH

- Article Level Performance Metrics
- Timely
- Data on Multiple Channels

Wolters Kluwer

**Article Metrics**

What is this page? | Embed badge | Share

# Energy Drink Consumption and Cardiac Complications: A Case for Caution.

Overview of attention for article published in Journal of Addiction Medicine, August 2016


About this Attention Score

In the top 5% of all research outputs scored by Altmetric

MORE...

Mentioned by

- **19** news outlets
- **4** blogs
- **16** tweeters
- **3** Facebook pages

Readers on

- **1** Mendeley

**SUMMARY** | News | Blogs | Twitter | Facebook

| | |
|---|---|
| **Title** | Energy Drink Consumption and Cardiac Complications: A Case for Caution. |
| **Published in** | Journal of Addiction Medicine, August 2016 |
| **DOI** | 10.1097/adm.0000000000000234 |
| **Pubmed ID** | 27471919 |
| **Authors** | Sattari, Maryam, Sattari, Anahita, Kazory, Amir |
| **Abstract** | We present a case of atrial fibrillation with rapid ventricular response in a 28-year-old... [show] |

View on publisher site

Alert me about new mentions

**TWITTER DEMOGRAPHICS** | MENDELEY READERS | ATTENTION SCORE IN CONTEXT

The data shown below were collected from the profiles of **16** tweeters who shared this research output. Click here to find out more about how the information was compiled.

# CHANNELS

SUMMARY | News | Blogs | Twitter | Facebook

So far, Altmetric has seen **22** news stories from **19** outlets.

**Energy drinks linked to cardiac events**
nutraingredients.com, 11 Aug 2016
Related tags: Cardiac arrhythmia, Energy drinks, Taurine, Guarana, Caffeine A new study of a patient with cardiac arrhythmia...

**2 canettes de boisson énergisante chaque jour peuvent mener aux Urgences**
Top Santé, 05 Aug 2016
Un Américain de 28 ans qui buvait deux canettes de boisson énergisante chaque jour s'est retrouvé aux Urgences, victime de problè...

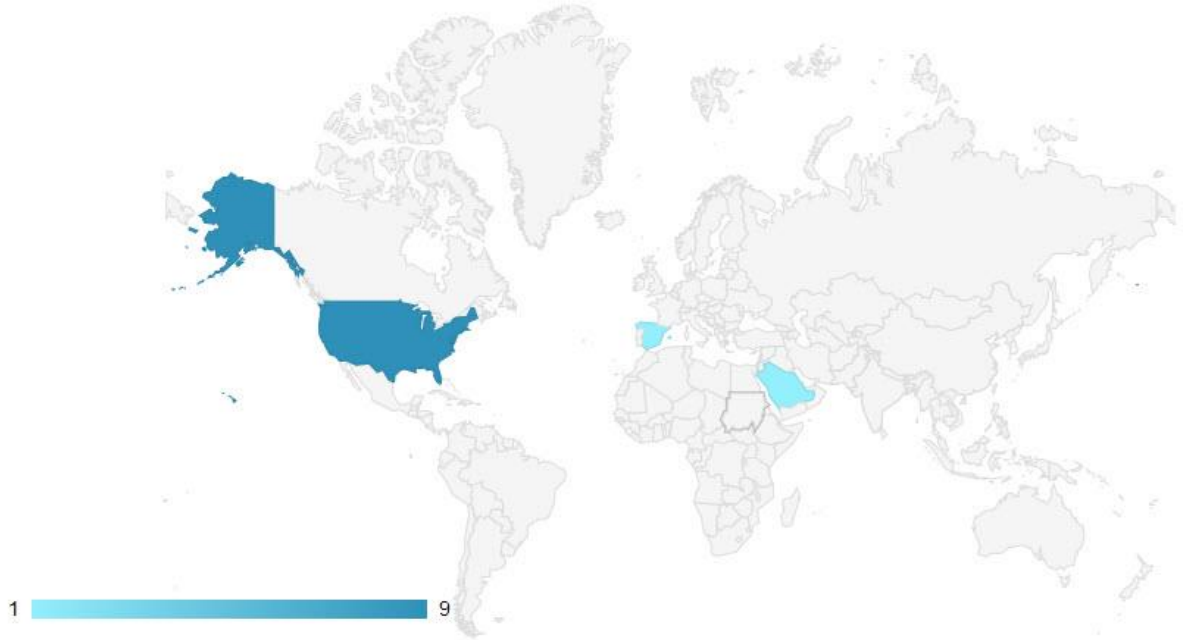
**What energy drinks could do to your heart**
The Indian Express, 04 Aug 2016
By: IANS | New York | Published:August 4, 2016 2:07 pm Energy drinks contain a high level of caffeine which could cause heart...

**Cardiac complications from energy drinks? Case report adds new evidence**
Today Topics , 04 Aug 2016
The high levels of caffeine in energy drinks may lead to cardiac complications, suggests a case report in the July/August...

# GEOGRAPHY

TWITTER DEMOGRAPHICS | MENDELEY READERS | ATTENTION SCORE IN CONTEXT

The data shown below were collected from the profiles of **16** tweeters who shared this research output. Click here to find out more about how the information was compiled.




## Geographical breakdown

| Country | Count | As % |
|---|---|---|
| United States | 9 | 56% |
| Saudi Arabia | 1 | 6% |
| Spain | 1 | 6% |
| Unknown | 5 | 31% |

## Demographic breakdown

| Type | Count | As % |
|---|---|---|
| Members of the public | 11 | 69% |
| Practitioners (doctors, other healthcare professionals) | 5 | 31% |

Wolters Kluwer

ISAJE International Society of Addiction Journal Editors

# CONTEXT

SUMMARY | News | Blogs | Twitter | Facebook

| | |
|---|---|
| Title | Energy Drink Consumption and Cardiac Complications: A Case for Caution. |
| Published in | Journal of Addiction Medicine, August 2016 |
| DOI | 10.1097/adm.0000000000000234 |
| Pubmed ID | 27471919 |
| Authors | Sattari, Maryam, Sattari, Anahita, Kazory, Amir |
| Abstract | We present a case of atrial fibrillation with rapid ventricular response in a 28-year-old... [show] |

View on publisher site

Alert me about new mentions

TWITTER DEMOGRAPHICS | MENDELEY READERS | ATTENTION SCORE IN CONTEXT

This research output has an **Altmetric Attention Score** of **186**. This is our high-level measure of the quality and quantity of online attention that it has received. This Attention Score, as well as the ranking and number of research outputs shown below, was calculated when the research output was last mentioned on **15 August 2016**.

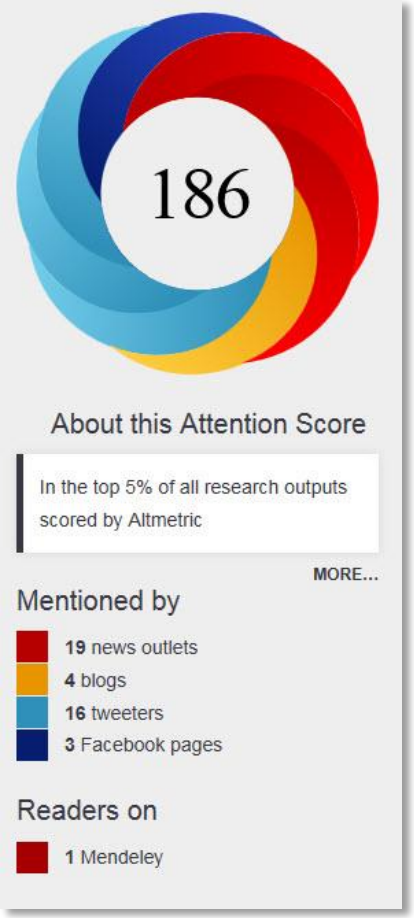
| ALL RESEARCH OUTPUTS | OUTPUTS FROM JOURNAL OF ADDICTION MEDICINE | OUTPUTS OF SIMILAR AGE | OUTPUTS OF SIMILAR AGE FROM JOURNAL OF ADDICTION MEDICINE |
|---|---|---|---|
| #20,604 | #2 | #1,283 | #1 |
| of 5,492,496 outputs | of 574 outputs | of 124,395 outputs | of 18 outputs |

Altmetric has tracked 5,492,496 research outputs across all sources so far. Compared to these this one has done particularly well and is in the 99th percentile: it's **in the top 5% of all research outputs ever tracked** by Altmetric.

Wolters Kluwer

ISAJE International Society of Addiction Journal Editors

# ALTMETRICS: KEY TAKEAWAYS




- ✓ Monitor all the conversations and mentions on social media and mainstream news
- ✓ Know who you're reaching and where you're reaching them
  - Which blogs
  - Which news outlets
  - Which Twitter feeds
  - What countries
  - What topics/article types
- ✓ In real time

# ALTMETRIC AND EDITORIAL

Gather evidence for future strategy decisions, e.g. competitor analysis

Gain a more complete picture of the journal's reach and influence

Identify high profile authors to attract

Enrich author feedback/reporting to encourage future submissions

Track activity surrounding a hot topic

# *h*-INDEX

The ***h*-index** is an author-level metric that attempts to measure both the productivity and citation impact of the publications of a scientist or scholar. The index can also be applied to the productivity and impact of a scholarly journal as well as a group of scientists, such as a department or university or country. The index was suggested in 2005 by Jorge E. Hirsch, a physicist at UCSD, as a tool for determining theoretical physicists' relative quality and is sometimes called the *Hirsch index* or *Hirsch number*.

The ***h*-index** is based on the set of a researcher's most cited papers and the number of citations that the researcher has received in other people's publications.

A researcher has index h if h of [his/her] $N_p$ papers have at least h citations each, and the other ($N_p - h$) papers have at most h citations each.

# *h*-INDEX - SERVICES

**Web of Science:** Web of Science™ provides citation counts for articles indexed within it. It indexes over 10,000 journals in the arts, humanities, sciences, and social sciences.

**Scopus :** Scopus provide citation counts for articles indexed within it (limited to article written in 1996 and after). It indexes over 15,000 journals from over 4,000 international publishers across the disciplines.

**Other Services:** Google Scholar, CINAHL, CSA Illumina Databases, EBSCOhost Databases, EMBASE, PubMed, Central Science Direct, SciFinder Scholar

# *h*-INDEX
## JOURNAL LEVEL

**Citation report for 838 results from Web of Science Core Collection between** 2002 and 2017 Go

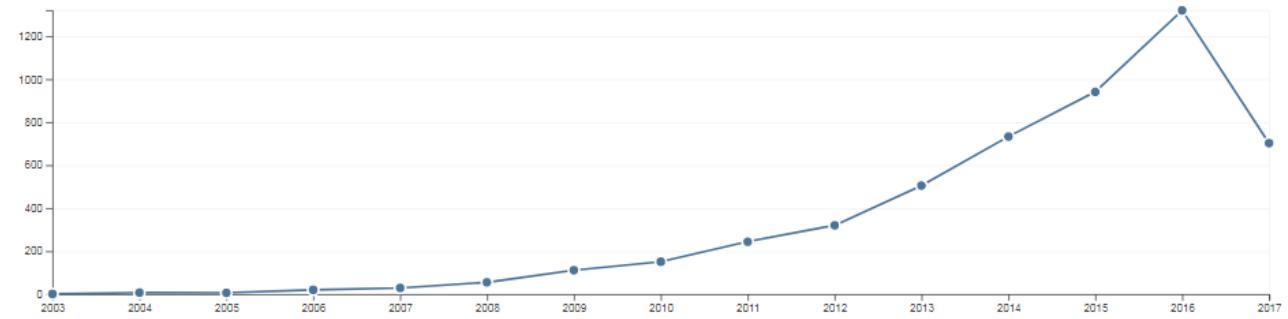
You searched for: **CITED WORK:** (J ADDICT NURS) ...More

This report reflects citations to source items indexed within Web of Science Core Collection. Perform a Cited Reference Search to include citations to items not indexed within Web of Science Core Collection.

Export Data: Save to Text File

| Total Publications | *h*-index | Sum of Times Cited | Citing articles |
|---|---|---|---|
| 838 | 31 | 5,145 | 4,646 |
| 1998 – 2017 | Average citations per item: 6.14 | Without self citations: 4,662 | Without self citations: 4,324 |

Sum of Times Cited per Year




Sort by: Times Cited -- highest to lowest

Page 1 of 84

Use the checkboxes to remove individual items from this Citation Report

or restrict to items published between 2002 and 2017 Go

| | 2013 | 2014 | 2015 | 2016 | 2017 | Total | Average Citations per Year |
|---|---|---|---|---|---|---|---|
| | 505 | 733 | 941 | 1320 | 702 | 5145 | 343.00 |
| 1. Exploring the potential of computer and video games for health and physical education: A literature review<br>By: Papastergiou, Marina | 23 | 20 | 30 | 29 | 10 | 147 | 16.33 |

Wolters Kluwer

ISAJE International Society of Addiction Journal Editors

# *h*-INDEX
## AUTHOR LEVEL

**Citation report for 4,276 results from Web of Science Core Collection between** 2002 and 2017 Go

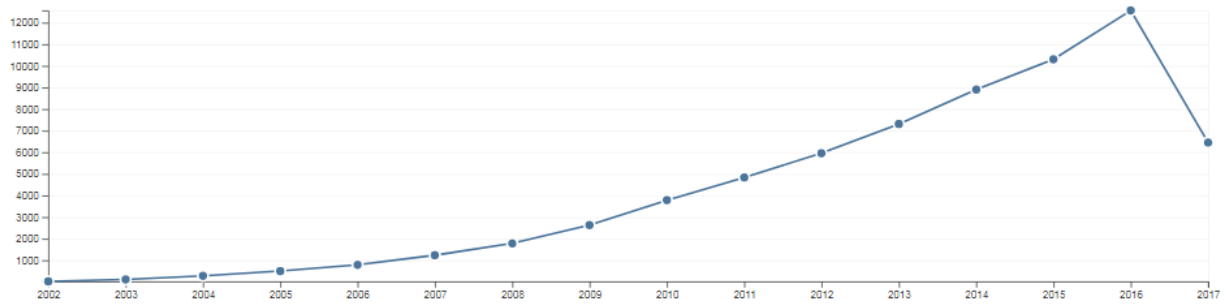
You searched for: **CITED AUTHOR:** (Saitz) ...More

This report reflects citations to source items indexed within Web of Science Core Collection. Perform a Cited Reference Search to include citations to items not indexed within Web of Science Core Collection.

Export Data: Save to Text File

| Total Publications | *h*-index | Sum of Times Cited | Citing articles |
|---|---|---|---|
| 4,276 | 98 | 67,467 | 45,998 |
| 1998 – 2017 | Average citations per item: 15.78 | Without self citations: 55,955 | Without self citations: 42,707 |

Sum of Times Cited per Year




Sort by: Times Cited -- highest to lowest

Page 1 of 428

Use the checkboxes to remove individual items from this Citation Report

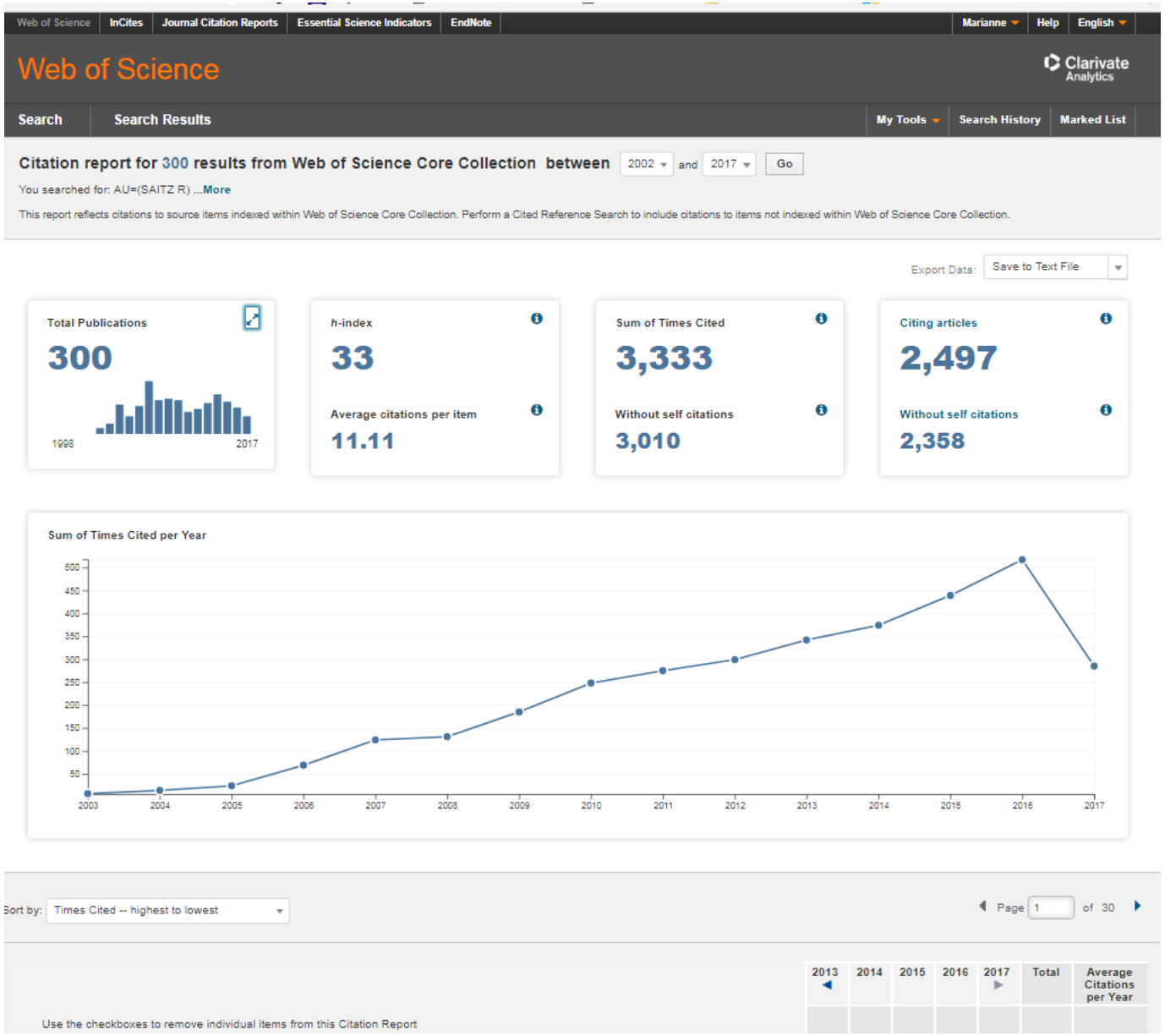
or restrict to items published between 2002 and 2017 Go

| | 2013 | 2014 | 2015 | 2016 | 2017 | Total | Average Citations per Year |
|---|---|---|---|---|---|---|---|
| | 7311 | 8904 | 10305 | 12565 | 6455 | 67467 | 4216.69 |
| 1. **Prevalence, correlates, disability, and comorbidity of DSM-IV alcohol abuse and dependence in the United States - Results from the National Epidemiologic Survey on Alcohol and Related Conditions**<br>By: Hasin, Deborah S.; Stinson, Frederick S.; Ogburn, Elizabeth; et al.<br>ARCHIVES OF GENERAL PSYCHIATRY Volume: 64 Issue: 7 Pages: 830-842 Published: JUL 2007 | 151 | 161 | 162 | 122 | 40 | 1075 | 97.73 |

Wolters Kluwer

ISAJE International Society of Addiction Journal Editors

# *h*-INDEX
## AUTHOR LEVEL




Wolters Kluwer

ISAJE International Society of Addiction Journal Editors

# RELATIVE CITATION RATIO (RCR)

National Institutes of Health
Office of Portfolio Analysis

Despite recognized limitations, bibliometric assessments of scientific productivity have been widely adopted.

An improved method to quantify the influence of a research article by making novel use of its co-citation network to field-normalize the number of citations it has received has been introduced by NIH Office of Portfolio Analysis.

A beta version of *iCite*, the web tool for calculating Relative Citation Ratios of articles listed in PubMed, is available at https://icite.od.nih.gov.

# RELATIVE CITATION RATIO (RCR)

National Institutes of Health
Office of Portfolio Analysis

Relative Citation Ratio: a field-normalized metric that shows the scientific influence of one or more articles relative to the average NIH-funded paper.

Article citation rates are divided by an expected citation rate that is derived from performance of articles in the same field and benchmarked to a peer comparison group.

The resulting Relative Citation Ratio (RCR) is article level and field independent and provides an alternative to the invalid practice of using journal impact factors to identify influential papers.

| PubMed ID | Total Citations | Citations per Year | Expected Citations per Year | Field Citation Rate | Relative Citation Ratio | NIH Percentile | Year | Journal |
|---|---|---|---|---|---|---|---|---|
| 27367876 | 15 | 15 | 1.93 | 4.66 | 7.79 | 97.10 | 2016 | JAMA |
| 27359174 | 11 | 11 | 2.15 | 5.20 | 5.12 | 93.90 | 2016 | Psychosom Med |
| 26830139 | 12 | 12 | 2.52 | 6.11 | 4.76 | 93.00 | 2016 | Mol. Psychiatry |
| 27528671 | 9 | 9 | 2.24 | 5.42 | 4.02 | 90.80 | 2016 | Proc. Natl. Acad. Sci. U.S.A. |
| 27083433 | 5 | 5 | 1.38 | 3.34 | 3.62 | 89.10 | 2016 | Eur Child Adolesc Psychiatry |
| 27354266 | 2 | 2 | 0.66 | 1.61 | 3.01 | 85.50 | 2016 | Eat Behav |
| 27377316 | 2 | 2 | 0.69 | 1.66 | 2.91 | 84.80 | 2016 | Psychosomatics |
| 27657887 | 3 | 3 | 1.04 | 2.53 | 2.88 | 84.60 | 2016 | PLoS ONE |
| 27869372 | 2 | 2 | 0.71 | 1.71 | 2.83 | 84.20 | 2016 | J Dtsch Dermatol Ges |
| 27380631 | 2 | 2 | 0.78 | 1.88 | 2.58 | 82.00 | 2016 | J Ethnobiol Ethnomed |
| 27391371 | 4 | 4 | 1.65 | 4.00 | 2.42 | 80.40 | 2016 | Psychiatry Res |
| 27450304 | 2 | 2 | 0.92 | 2.22 | 2.18 | 77.40 | 2016 | Epilepsy Behav |
| 27575858 | 4 | 4 | 2.05 | 4.96 | 1.95 | 74.00 | 2016 | J Psychiatry Neurosci |
| 27749682 | 5 | 5 | 2.60 | 6.29 | 1.93 | 73.60 | 2016 | Psychosom Med |
| 27552813 | 3 | 3 | 1.60 | 3.87 | 1.88 | 72.80 | 2016 | Int J Bipolar Disord |
| 27616894 | 2 | 2 | 1.11 | 2.68 | 1.80 | 71.50 | 2016 | Psychol Res Behav Manag |
| 27829508 | 2 | 2 | 1.12 | 2.71 | 1.79 | 71.10 | 2016 | Psychiatry Res |
| 27916278 | 3 | 3 | 1.70 | 4.12 | 1.76 | 70.70 | 2016 | Semin. Arthritis Rheum. |
| 27717658 | 3 | 3 | 1.73 | 4.20 | 1.73 | 70.10 | 2016 | Appetite |
| 27583713 | 3 | 3 | 1.75 | 4.23 | 1.72 | 69.80 | 2016 | Psychosom Med |
| 27551051 | 4 | 4 | 2.34 | 5.67 | 1.71 | 69.70 | 2016 | Ann. Oncol. |
| 27187847 | 3 | 3 | 1.76 | 4.27 | 1.70 | 69.60 | 2016 | Psychosom Med |
| 27428855 | 3 | 3 | 2.00 | 4.85 | 1.50 | 65.10 | 2016 | Psychosom Med |

# AUTHOR LEVEL METRICS

Author Bibliometric

Citations

# AUTHOR LEVEL METRICS

Author Bibliometric: Simplest metric and includes the total number of papers published by an author.

Citations: The number of citations of each article

Altmetric Scores by Article for the Author: Authors have included Altmetric references in their CVs.

# AUTHOR BIBLIOMETRIC - SAMPLE SEARCH

Web of Science | InCites | Journal Citation Reports | Essential Science Indicators | EndNote | Marianne | Help | English

Web of Science

Clarivate Analytics

Search | My Tools | Search History | Marked List

**Select a database** Web of Science Core Collection Learn More

*Check out the new citation report.*

Basic Search | Cited Reference Search | **Advanced Search** | + More

Use field tags, Boolean operators, parentheses, and query sets to create your query. Results will appear in the Search History table at the bottom of the page.(Learn more about Advanced Search)

*Example:* TS=(nanotub* AND carbon) NOT AU=Smalley RE
#1 NOT #2 more examples | view the tutorial

AU=(SAITZ R)

Search

Restrict results by languages and document types:

All languages: English, Afrikaans, Arabic

All document types: Article, Abstract of Published Item, Art Exhibit Review

**Booleans: AND, OR, NOT, SAME, NEAR**

**Field Tags:**

TS= Topic
TI= Title
AU= Author [Index]
AI= Author Identifiers
GP= Group Author [Index]
ED= Editor
SO= Publication Name [Index]
DO= DOI
PY= Year Published
AD= Address
OG= Organization-Enhanced [Index]
OO= Organization
SG= Suborganization
SA= Street Address
CI= City
PS= Province/State
CU= Country
ZP= Zip/Postal Code
FO= Funding Agency
FG= Grant Number
FT= Funding Text
SU= Research Area
WC= Web of Science Category
IS= ISSN/ISBN
UT= Accession Number
PMID= PubMed ID

TIMESPAN

All years

From 2002 to 2017

MORE SETTINGS

**Search History:**

| Set | Results | | Edit Sets | Combine Sets (AND / OR) Combine | Delete Sets Select All / Delete |
|---|---|---|---|---|---|
| # 10 | 300 | AU=(SAITZ R)<br>**Refined by: AUTHORS:** ( SAITZ R ) AND **AUTHORS:** ( SAITZ R )<br>*Indexes=SCI-EXPANDED, SSCI, ESCI Timespan=All years* | | | |

Save History / Create Alert | Open Saved History

Wolters Kluwer

ISAJE International Society of Addiction Journal Editors

# RESULTS

Web of Science | InCites | Journal Citation Reports | Essential Science Indicators | EndNote | Marianne | Help | English

Web of Science

Clarivate Analytics

Search | My Tools | Search History | Marked List

**Results: 300**
*(from Web of Science Core Collection)*

*Select articles grouped for author name* : *SAITZ R*

**You searched for:** AU=(SAITZ R)
...More

Create Alert

Sort by: Times Cited -- highest to lowest

Page 1 of 30

Select Page | 5K | Save to EndNote online | Add to Marked List

Create Citation Report

Analyze Results

1. **Unhealthy alcohol use**
By: Saitz, R
NEW ENGLAND JOURNAL OF MEDICINE Volume: 352 Issue: 6 Pages: 596-607 Published: FEB 10 2005
Full Text from Publisher
Times Cited: 263 *(from Web of Science Core Collection)*
Usage Count

2. **Primary Care Validation of a Single-Question Alcohol Screening Test**
By: Smith, Peter C.; Schmidt, Susan M.; Allensworth-Davies, Donald; et al.
JOURNAL OF GENERAL INTERNAL MEDICINE Volume: 24 Issue: 7 Pages: 783-788 Published: JUL 2009
Full Text from Publisher | View Abstract
Times Cited: 135 *(from Web of Science Core Collection)*
Usage Count

3. **A Single-Question Screening Test for Drug Use in Primary Care**
By: Smith, Peter C.; Schmidt, Susan M.; Allensworth-Davies, Donald; et al.
ARCHIVES OF INTERNAL MEDICINE Volume: 170 Issue: 13 Pages: 1155-1160 Published: JUL 12 2010
Full Text from Publisher | View Abstract
Times Cited: 105 *(from Web of Science Core Collection)*
Usage Count

4. **Alcohol consumption and HIV disease progression**
By: Samet, Jeffrey H.; Cheng, Debbie M.; Libman, Howard; et al.
JAIDS-JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES Volume: 46 Issue: 2 Pages: 194-199 Published: OCT 1 2007
Full Text from Publisher | View Abstract
Times Cited: 100 *(from Web of Science Core Collection)*
Usage Count

5. **Screening and Brief Intervention for Drug Use in Primary Care The ASPIRE Randomized Clinical Trial**
By: Saitz, Richard; Palfai, Tibor P. A.; Cheng, Debbie M.; et al.
JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION Volume: 312 Issue: 5 Pages: 502-513 Published: AUG 6 2014
Full Text from Publisher | View Abstract
Times Cited: 96 *(from Web of Science Core Collection)*
Highly Cited Paper
Usage Count

6. **Alcohol screening and brief intervention in primary care: Absence of evidence for efficacy in people with dependence or very heavy drinking**
By: Saitz, Richard
DRUG AND ALCOHOL REVIEW Volume: 29 Issue: 6 Pages: 631-640 Published: NOV 2010
Full Text from Publisher | View Abstract
Times Cited: 93 *(from Web of Science Core Collection)*
Highly Cited Paper
Usage Count

7. **PTSD in urban primary care: High prevalence and low physician recognition**
By: Liebschutz, Jane; Saitz, Richard; Brower, Victoria; et al.
Times Cited: 92 *(from Web of Science Core Collection)*

**Refine Results**

*Search within results for...*

**Filter results by:**
- Highly Cited in Field (4)
- Hot Papers in Field (1)

Refine

**Publication Years**
- 2007 (36)
- 2014 (27)
- 2009 (24)
- 2010 (23)
- 2008 (23)

more options / values...

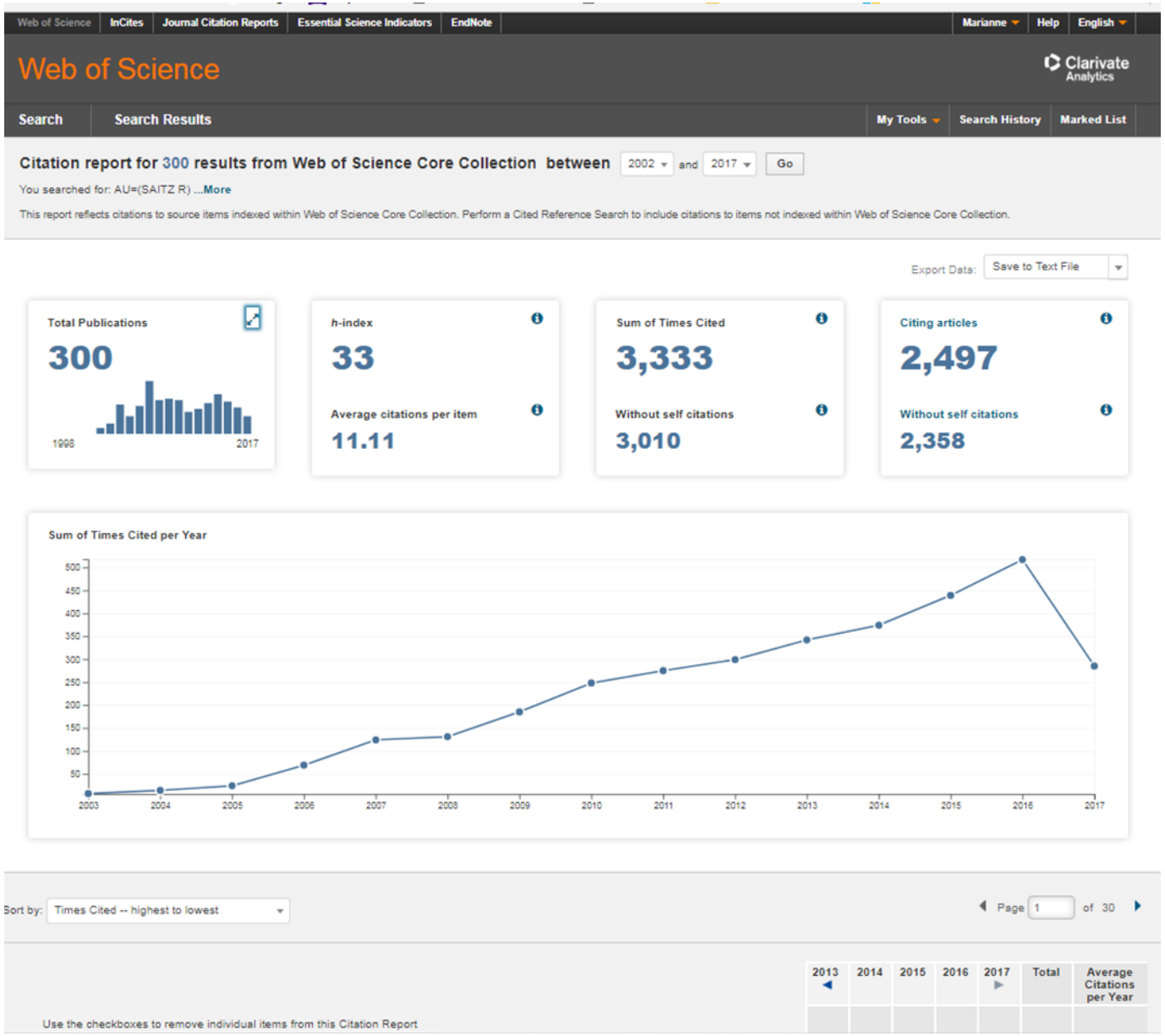
Refine

**Web of Science Categories**
- SUBSTANCE ABUSE (154)
- MEDICINE GENERAL INTERNAL (110)
- HEALTH CARE SCIENCES SERVICES (77)
- PSYCHIATRY (30)
- PUBLIC ENVIRONMENTAL OCCUPATIONAL HEALTH (17)

more options / values...

Refine

# ANALYSIS




Wolters Kluwer

ISAJE International Society of Addiction Journal Editors

# NEXT GENERATION

Cold Spring Harbor Laboratory

bioRχiv beta

THE PREPRINT SERVER FOR BIOLOGY

HOME | ABOUT

Search

New Results

**Relative Citation Ratio (RCR): A new metric that uses citation rates to measure influence at the article level**

Bruce Ian Hutchins, Xin Yuan, James M Anderson, George M Santangelo

**doi:** https://doi.org/10.1101/029629

Now published in *PLOS Biology* doi: 10.1371/journal.pbio.1002541

Abstract | Info/History | **Metrics** | Preview PDF

**ARTICLE USAGE**

| Show by month | Abstract | PDF |
|---|---|---|
| Total | 29,200 | 8,342 |

258

See more details

- Picked up by 3 news outlets
- Blogged by 9
- Tweeted by 283
- On 4 Facebook pages
- Mentioned in 3 Google+ posts
- 1 readers on Mendeley
- 3 readers on CiteULike

Blog posts linking to this article:

, 02 Nov 2016

Recentemente, Larivière e colegas publicaram um artigo no repositório bioRxiv de preprints (artigos não submetidos a uma…

NIH Extramural Nexus, 21 Oct 2016

Last April we posted a blog on the measurement of citation metrics as a function of grant funding. We focused on a group of…

**Relative Citation Ratio (RCR): A New Metric That Uses Citation Rates to Measure Influence at the Article Lev**

B. Ian Hutchins, Xin Yuan, James M. Anderson, George M. Santangelo

Viewed

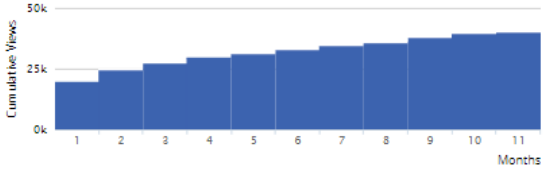
Total Article Views

**40,534**

Sep 06, 2016 (publication date) through Jul 11, 2017 *

| | HTML Page Views | PDF Downloads | XML Downloads | Totals |
|---|---|---|---|---|
| PLOS | 36,805 | 3,070 | 36 | 39,911 |
| PMC | 510 | 113 | n.a. | 623 |
| Totals | 37,315 | 3,183 | 36 | 40,534 |

8.53 % of article views led to PDF downloads




*Although we update our data on a daily basis, there may be a 48-hour delay before the most recent numbers are available. PMC data is posted on a monthly basis and will be made available once received.

Cited

SCOPUS 13

Google Scholar Search

Saved

MENDELEY 204

Discussed

twitter 401

Comments 0

Wolters Kluwer

ISAJE International Society of Addiction Journal Editors

# JOURNAL LEVEL METRICS – KEY TAKEAWAYS

Use the information to establish editorial goals for your journal

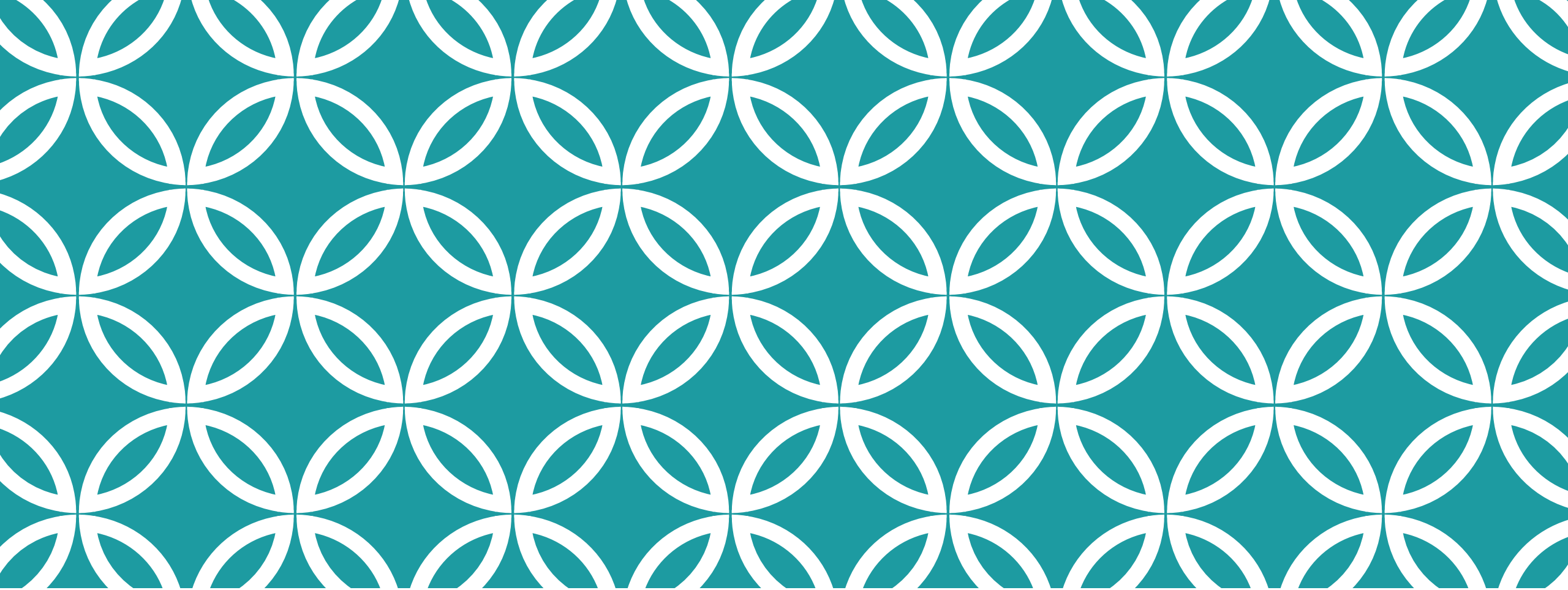
- Clearly define the focus of the analysis
- Be consistent in data sources
- Is the competitive Journal Peer Reviewed?
- Is the competitive Journal Listed in PubMed/MEDLINE?
- Comparison of the Journal to titles in the same category

Transform the goals into strategies into deliverables

Measure the results at your annual editorial board meeting

# JOURNAL STRATEGIC PLANNING CYCLE

| | |
|---|---|
| **Long-term Strategic Goals** | Usually span a two- to five-year time horizon. They answer the question of what you must focus on to achieve your vision. |
| **Strategies** | Umbrella methods you intend to use to achieve your vision. |
| **Short-term Goals/ Initiatives** | Convert the strategic objectives and strategies into specific performance targets that fall within the two-month to two-year time horizon. They state what, when, and who and are measurable. |
| **Tactical Action Plans** | These specific statements explain how a goal will be accomplished. They are the areas that move the strategy to operations and are generally executed by teams or individuals within one to two years. |
| **Timelines/ Scorecards** | Projected time and resources to complete each action item or short-term goal; track against targets and refine as necessary. |



Wolters Kluwer

# QUESTIONS

Angela Richardson, Sr. Publisher
a.richardson@wolterskluwer.com

Marianne Kerr, Sr. Publisher
marianne.kerr@wolterskluwer.com

# REFERENCES


http://wokinfo.com/essays/impact-factor//

https://scholar.googleblog.com/2017/07/2017-scholar-metrics-released.html

https://www.digital-science.com/blog/perspectives/relative-citation-ratio-rcr-leap-forward-research-metrics/

http://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.1002541

http://wokinfo.com/training_support/training/journal-citation-reports/?utm_source=false&utm_medium=false&utm_campaign=false

https://www.youtube.com/watch?v=wmnqCge-h_M

Wolters Kluwer

# Altmetrics

## *Impacting more than just our curiosity*

Nick Scheponik, Michelle Brewer

## What are Altmetrics?

A real-time measure of the online conversations around research, combining a selection of online indicators (both scholarly and non-scholarly) to give a measurement of digital impact and reach.

## What do they do?

- Quantify the online attention for an article by looking at non-traditional channels
- Measure impact of data sets and videos and other information not currently indexed

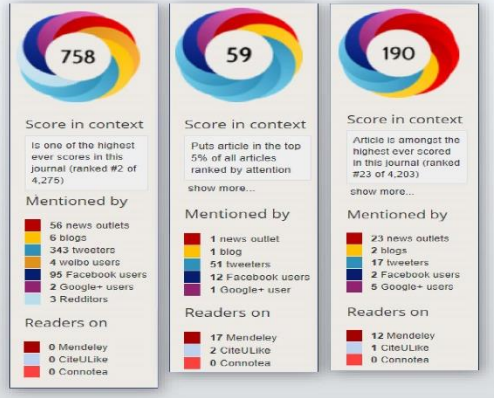

- Altmetrics are not article citations or webmetrics, but a measure of the societal impact of content
- Cannot separate the positive & negative
- Articles published pre-2011, total mentions will be incomplete (esp. Tweets)
- Many different providers

**CAUTION**

- Not a representation of content quality
- Not an indicator of the quality of individual researchers
- Do not tell the entire story - serves as a complement to traditional measures

## What is the donut?

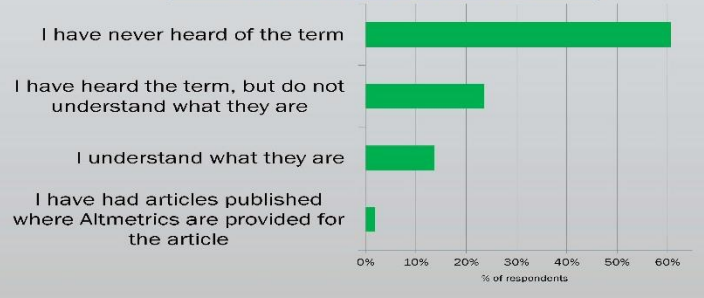
- Graphical representation of Altmetric score plus distribution of sources
- Scores are derived from:
  - *Volume* – 1 mention per person per source
  - *Sources* – weighted contributions
    - Newspaper > Blog > Tweet
  - *Authors* – how often the mention author talks about scholarly articles




## What is the market understanding of Altmetrics

**When I hear the term "Altmetrics", I think...(n=1,709)**


**Overall Awareness (n=2,017)**




**Metrics of interest (n=1,452)**


### Need to know

- Use cases focus on assessing article popularity and helping identify 1) areas of interesting research and 2) finding fellow researchers worth noting
- While the overall market awarness is low, the perceived value of Altmetrics was relatively high.
- While many felt they increased contents' impact on the scholarly community, **28% were more likely to submit a manuscript to a publication providing aticle-level data.**

## How are they used?

**Publishers**
- Provide as an author service
- Early indicator of impact for new articles – more timely than citations

**Editors**
- Track the success of your papers
- Observe trends across all journal from multiple publishers

**Marketers**
- Direct campaigns efforts towards socially-trending articles
- Track publicity efforts, social reach

**Libraries**
- Teach & train faculty
- Help inform research efforts
- Track attention to papers by institution

## Impact for libraries

- Help librarians understand the impact of non-traditional scholarly outputs
- Provide hard evidence of usage beyond 'hits' and downloads - very useful when making arguments for increased budgetary and administrative support
- Assists with the promotion of Open Access content
- Helps promote institutional scholar profiles managed by libraries

## Wolters Kluwer Integration

- Currently have reporting capabilities across LWW portfolio
- Tracks Twitter, Facebook (page posts, not "likes"), 500 news sources, 5,000 blogs across 21 disciplines, reader counts from reference managers
- We are in the process of working with an altmetrics partner, looking the technical requirements of having altmetrics data directly visible on our journal websites. More to come soon...