



SAARANSH **SPAB** Library Insight

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Welcome

SAARANSH is a SPAB Library bi-monthly digital digest to communicate new developments in the knowledge and showcasing the potential of existing content for knowledge creation and validation.

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Assessing the contribution of scientific literature in a given field using mathematical and statistical methods to measure research contribution.

Measuring Research Contribution

Bibliometrics, Scientometrics, informetrics, webometrics or cybermetrics, Altmetrics etc. are methods to measure research and academic outcomes in various forms.

Scientometrics refers to the application of quantitative methods which are dealing with the analysis of science viewed as an information process. Initially, scientometrics was restricted to the measurement of science communication, whereas **bibliometrics** was designed to deal with more general information processes. At present, however, bibliometrics and scientometrics are used as synonyms.

Informetrics is also used to designate a more general sub-field of information science that dealt with the statistical analysis of communication processes in science. It also deals with electronic media, including analyses carried out in electronic libraries.

Webometrics or **cybermetrics** introduced to designate the study of scientific literature from electronic resources.

(Ref: Andres, Ana (2009). Measuring Academic Research)

Altmetrics is an alternative (non-traditional) metrics aims to measure Web-driven scholarly interactions, such as how research is tweeted, blogged about, or bookmarked.

(Ref: Howard, J. (January 29, 2012). **Scholars seek better ways to track impact online**. The Chronicle of Higher Education)

“Research is what I'm doing
 when I don't know what I'm doing”

Wernher von Braun

Useful Links

- [Directory of Open Access Journals](#)
- [Directory of Open Access Repositories](#)
- [Open Thesis](#)
- [Shodhganga](#)
- [Networked Digital Library of Theses and Dissertations](#)

Library Links

- [Library OPAC](#)



Author Citation Analysis (Author Impact)

Hirsch Index (h-index)

H-index was proposed by Hirsch in the year 2005 to quantify an individual's scientific output. Especially, he tried to quantify the cumulative impact and relevance of an individual's scientific output.

The idea behind this index is that an author, during his or her research career, will have published a given number of papers that will have received a given number of citations. Thus the index takes into consideration both the number of papers published by an author and the number of citations these papers have received, which will reflect their evaluation of the corresponding scientific community.

(Ref: Andres, Ana (2009). Measuring Academic Research)

g-Index

The g-index was proposed by Egghe in 2006 as an improvement of the h-index for measuring the global citation performance of a set of articles. He argues that the index should be sensitive to the level of highly cited papers.

The index is calculated based on the distribution of citations received by a given researcher's publications, such that given a set of articles ranked in decreasing order of the number of citations that they received, the g-index is the unique largest number such that the top g articles received together at least g^2 citations.

(Ref: Andres, Ana (2009). Measuring Academic Research)

i10-index

The i10-index indicates the number of academic publications an author has written that have been cited by at least ten sources. It was introduced in July 2011 by Google as part of their work on Google Scholar

(Ref: Google Scholar)

Journal Citation Analysis (Journal Impact)

Journal Immediacy Index

The Immediacy index is an indication of the speed with which items published in journals are incorporated into other literature's references. This index is calculated for journals, each of which will have its own immediacy index.

The Immediacy Index is the average number of times an article is cited in the year it is published.

List of Databases Subscribed by SPAB Library

Full-text

- **ProQuest Dissertations and Thesis Global**

ProQuest Dissertations & Theses (PQDT) Global is the world's most comprehensive collection of dissertations and theses from around the world, offering millions of works from thousands of universities. Each year hundreds of thousands of works are added. Full-text coverage spans from 1743 to the present, with citation coverage dating back to 1637.

Subject coverage

- Arts
- Business & Economics
- Education
- Humanities
- Social Sciences
- Behavioral Sciences
- Natural Sciences
- Mathematics & Physical Sciences
- Health & Medical Sciences

Formula

$$\text{Journal Immediacy Index} = \frac{\text{Number of citations given to articles published in a given year}}{\text{Number of articles published in that year}}$$

(Ref: Andres, Ana (2009). Measuring Academic Research)

Journal Impact Factor

The **impact factor (IF)** 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 its articles are cited.

Formula

$$\text{Journal Impact Factor} = \frac{\text{Citations to recent items}}{\text{Number of recent items}}$$

Immediacy Index vs. Impact Factor

Immediacy index and journal impact factor (IF) are both calculated by the Institute for Scientific Information and in much the same way; for a certain publication time range.

Immediacy index has a much more restrictive time range for its calculation, considering only the actual publication year for both papers and citations.

Eigenfactor Metrics

Eigenfactor measures rank journals to identify the most influential, i.e. those that will receive more citations from other influential journals. Thus they are based on the idea that a single citation from high-quality journals may be more valuable than multiple citations from secondary journals.

(Ref: Andres, Ana (2009). Measuring Academic Research)

To identify Eigenfactors of the journals please visit the following link <http://eigenfactor.org/projects/journalRank/journalsearch.php>

Scimago Journal and Country Rank

The SCImago Journal & Country Rank is a publicly available portal that includes the journals and country scientific indicators developed from the information contained in the Scopus® database (Elsevier B.V.).

These indicators can be used to assess and analyze scientific domains. Journals can be compared or analyzed separately. Country rankings may also be compared or analyzed separately. Journals can be grouped by subject area (27 major thematic areas), subject

- **Art & Architecture Complete**

This collection covers nearly **360 full-text periodicals** (Journals and Magazines) & **220 full-text books** in the area of Architecture, Conservation, graphic arts, Archeology, Sculpture, etc. and Cover-to-cover indexing and abstracts for 790 academic journals, magazines and trade publications with collection of over 63,000 images.

Subject coverage

- Antiques
- Archaeology
- Architecture and architectural history
- Conservation and restoration
- Costume design
- Decorative arts
- Graphic arts
- Interior and landscape design
- Painting
- Photography
- Printmaking
- Sculpture

category (313 specific subject categories), or by country. Citation data is drawn from over 34,100 titles from more than 5,000 international publishers and country performance metrics from 239 countries worldwide. The SJCR allows you also to embed significant journal metrics into your web as a clickable image widget.

(Ref: <https://www.scimagojr.com/index.php>)

Google Scholar Metrics

Google Scholar Metrics provides an easy way for authors to quickly gauge the visibility and influence of recent articles in scholarly publications. Scholar Metrics summarize recent citations to many publications, to help authors as they consider where to publish their new research.

(Ref: Google Scholar)

Journal Citation Report (JCR)

Journal Citation Reports™ (JCR) provides you with the transparent, publisher-neutral data and statistics you need to make confident decisions in today's evolving scholarly publishing landscape, whether you're submitting your first manuscript or managing a portfolio of thousands of publications.

Quickly understand a journal's role within and influence upon the global research community by exploring a rich array of citation metrics, including the Journal Impact Factor™ (JIF), alongside descriptive data about a journal's open access content and contributing authors.

It is a product of Clarivate Web of science.

(Ref: Clarivate website)

Scopus

Scopus indexes content from 24,600 active titles and 5,000 publishers which is rigorously vetted and selected by an independent review board, and uses a rich underlying metadata architecture to connect people, published ideas and institutions. Using sophisticated tools and analytics, Scopus generates precise citation results, detailed researcher profiles, and insights that drive better decisions, actions and outcomes.

(Ref: Scopus website)

UGC-CARE

To match global standards of high-quality research, in all academic disciplines under its purview, the University Grants Commission (UGC) aspires to stimulate and empower the Indian academia through its "Quality Mandate". A public notice was issued by the UGC, on the 28th of November, 2018, to announce the establishment of a dedicated Consortium for Academic and Research Ethics (CARE) to carry out this mandate.

(Ref: UGC-CARE website)

Statistical Databases

- Indiastat.com

Indiastat.com is a cluster of 56 associate sites and perhaps the most comprehensive e-resource for accessing the secondary level socio-economic statistical information about India, its 6 geographical regions, 31 states and 19 sectors on various socio-economic parameters. These parameters are Administrative Units, Demographics, Economy, Agriculture, Civil Supplies and Consumer Affairs, Environment and Forest, Industries, Infrastructure, Companies, Education, Health, Housing, Labour & Workforce, Polity, Media, Insurance, Tourism, Crime & Law, Social Welfare & Developmental Schemes etc.

Selection of Journal for Publication

Journal Guide

JournalGuide is a free tool created by a group of software developers, former researchers, and scholarly publishing veterans at Research Square. Our goal for JournalGuide is to bring all sources of data together in one place to give authors a simple way to choose the best journal for their research. Our data sources include major industry data sets, public resources, information submitted directly by journal editors, and even real-life publishing experiences submitted by authors like you. We are just getting started, but we will continually expand our database to include more areas of study and new sources of information.

(Ref: [Journal guide website](#))

Elsevier Journal Finder

Elsevier® JournalFinder helps you find journals that could be best suited for publishing your scientific article. Please also consult the journal's Aims and Scope for further guidance. Ultimately, the Editor will decide on how well your article matches the journal.

Powered by the Elsevier Fingerprint Engine™, Elsevier JournalFinder uses smart search technology and field-of-research specific vocabularies to match your article to Elsevier journals.

Simply insert your title and abstract and select the appropriate field-of-research for the best results.

(Ref: [Journal guide website](#))

Springer Nature Journal Suggester

Springer journal matching technology searches more than 2,500 journals of springer and BMC (Biomedcentral) journals to find the best relevant journals and easy comparison for the manuscript.

Wiley Journal Finder Beta

Not sure where to submit your article? Our Journal Finder Beta can suggest Wiley journals that may be relevant for your research. Simply enter your title and abstract and we'll create a list of potential journals for you to consider. We also recommend reviewing the journal's Aims and Scope before deciding where to submit.

(Ref: [Wiley Journal Finder website](#))

T&F Journal Suggester Beta

Taylor and Francis also provide journal suggester service under the umbrella of author services.

List of Journals Subscribed Online Only by SPAB Library

1. Anthropocene review
2. Architectural design
3. Cultural geographies
4. Development and change
5. Dialogues in human geography
6. Economic development quarterly
7. Education and urban society
8. Environment and Planning A: Economy and Space
9. Environment and Planning B: Planning and design
10. Environment and Planning C: Politics and space
11. Environment and Planning D: Society and space
12. Environment and Planning E: Nature and space
13. Environment and urbanization
14. Environment and urbanization Asia
15. Environmental law review
16. European urban and regional studies
17. Historian
18. Holocene
19. International regional science review
20. i-Perception
21. Journal of housing economics
22. Journal of planning education and research
23. Journal of planning history

Further Readings on the theme Resources Available Online

Blog / Articles / Research papers (online) please click on article for further reading

- [Measuring Research Impact](#) / RMIT University Library Sub. Guide
- [Measuring Research Impact](#) / Victoria University
- [What's the best measure of research output?](#) / Nature Index (21 March 2016)
- [Measuring scientific contributions with modified fractional counting](#) / Gunnar Sivertsen, Ronald Rousseau & Lin Zhang (May 2019)
- [Measuring scientific impact beyond academia: An assessment of existing impact metrics and proposed improvements](#) / James Ravenscroft, Maria Liakata, Amanda Clare, Daniel Duma (March 2017)
- [The "Authorship Index"—A simple way to measure and author's contribution to literature](#) / Robin Kaushik (2013)
- [Bibliometrics: tracking research impact by selecting the appropriate metrics](#) / Ashok Agarwal & Others (2016)
- [Measuring Knowledge](#) / Matošková Jana (Dec 2016)
- [Measuring the Impact of University Research on Innovation](#) / Cooper H. Langford
- [Rethinking the Concept of Research Contribution](#) / Yves Gendron (2013)
- [Measuring impact of research and innovation for global challenges](#) / UK Research and Innovation (2018)

E-Book / Handbooks

- [Performance Measurement Tool Box and Reporting System for Research Programs and Projects](#) (2008)

Journals

Journal of Writing Research (SCOPUS Indexed Since 2008 -)

The *Journal of Writing Research* (JoWR) is an international peer-reviewed journal that publishes papers that describe scientific study studies of the processes by which writing is produced and or by which it can be effectively taught.

We are happy to consider papers from a range of research disciplines, including but not restricted to linguistics, psychology, and education, and using any appropriate and robust rigorously-executed research method. We publish both original research and rigorous literature reviews.

Journal of Writing Research is a double-blind peer-reviewed. It has a high rejection rate (above 90% in 2018), and good Scopus CiteScore 6

24. Journal of planning literature
25. Journal of transport economics and policy
26. Journal of urban history
27. Journal of urban planning and development
28. Landscape architecture magazine
29. Local Economy
30. Perception
31. Planning theory
32. Progress in human geography
33. Progress in physical geography
34. SAGE open
35. SRELS journal of information management (Formerly: Herald of Library Science)
36. Tourist studies
37. Transportation Research Record
38. Urban affairs review
39. Urban education
40. Urban studies
41. Urbanisation

rankings (2018, top 20% in Education and top 5% in Language and Linguistics). The Journal of Writing Research is an open-access journal (no reader fee - no author fee).

The mandate of the *Journal of Writing Research* is:

- to publish excellent and innovative writing research drawn from a range of academic disciplines (e.g. psychology, linguistics, pedagogy, **design studies**, communication studies, information and communication technology, **learning and teaching**)
- to stimulate interdisciplinary writing research
- to be fully international
- to apply high academic standards, including double-blind peer review
- to share knowledge through open access

(Ref. Journal Site)

Journal of Social Research and Policy (SCOPUS Indexed in 2010 - 2018)

Welfare states have made well-being one of the main focuses of public policies. Social policies entail, however, complicated, and sometimes almost insurmountable, issues of prioritization, measurement, problem evaluation or strategic and technical decision making concerning aim-setting or finding the most adequate means to ends. Given the pressures to effectiveness, it is no wonder that the last several decades have witnessed the imposition of research-based social policies as standard as well as the development of policy-oriented research methodologies.

Legitimate social policies are, in this context, more and more dependent on the accurate use of diagnostic methods, sophisticated program evaluation approaches, of benchmarking and so on. Inspired by this acute interest, our journal aims to host primarily articles based on policy research and methodological approaches of policy topics.

Our journal is open to sociologically informed contributions from **anthropologists**, psychologists, **statisticians**, **economists**, **historians** and political scientists. General theoretical papers are also welcomed if do not deviate from the interests stated above. The editors also welcome reviews of books that are relevant to the topics covered in the journal.

(Ref. Journal Site)

Strategic Design Research Journal (SDRJ) (SCOPUS Indexed in 2018 - 2019)

SDRJ is a tri-annual publication (published every four months) by the **University of Vale do Rio dos Sinos - Unisinos**.

SDRJ is a peer-reviewed, open-access, international journal that publishes articles related to the design process, for developing design theory and practice.

List of Journals Subscribed Print + Free Online by SPAB Library

1. AMBIO
2. Annals of library and information studies
3. Architectural theory review
4. Current science
5. Demography
6. Design and culture
7. Design issues
8. Down to earth
9. Economic and political weekly
10. Environment, development and sustainability
11. Geospatial world magazine (formerly GIS Development Magazine)
12. Housing, theory and society
13. Human Factors
14. Indian Journal of Human Development
15. Indian journal of public administration
16. International journal of architectural heritage: Conservation, Analysis and Restoration
17. International journal of heritage studies
18. International Journal of Logistics Management
19. International journal of urban sustainable development
20. JoLA: Journal of landscape architecture (Foreign)
21. Journal of architectural conservation
22. Journal of environmental studies and sciences
23. Journal of housing and the built environment

SDRJ focuses on the design potentials for the elaboration of strategies and the search for innovation related to any kind of organizations, such as corporations, governmental and non-governmental organizations, educational institutions, cooperatives, or even informal associations or movements. SDRJ considers the strategic contribution of design in all the fields of its practice, such as product and service development, communication, fashion, social and cultural innovation, or technology.

Thus, **SDRJ** is a cross-cultural and cross-disciplinary forum for academic discussion, debate and criticism, open to all researchers and professionals interested in design. It encourages the dialogue between academia and creative industries.

Strategic Design Research Journal has been promoting the publication and diffusion of relevant research on Strategic Design internationally. Our approach to internationalization has always been inclusive, accepting articles written in Portuguese, English, Spanish, Italian and French. These were the languages spoken by our readers and contributors when we created the journal with our partners of the Latin Network for the Development of Design Processes. The journal has evolved. Today our community is no longer concentrated in Brazil and the majority of our readers are familiar with English, but not necessarily with other languages. Continuing our inclusive approach, we decided to opt for English as the journal's language, in order to allow all members of the community to have access to the published papers.

(Ref. Journal Site)

Journal on Research Policy and Evaluation (RT)

Roars Transactions, a is an electronic open-access, peer-reviewed journal, published every six months. RT draws from the experience of www.roars.it (Return on Academic ReSearch), a collective blog (in Italian) dedicated to the monitoring and critical examination of policy measures and trends in higher education and public research. RT aims at extending the blog's scope and depth, by soliciting contributions worldwide and of a scholarly nature.

At the same time, RT wishes to maintain and enhance its characteristic of inter-disciplinarily, topical relevance, and openness. Contributions are solicited from all fields of natural, social, and human sciences in the following areas:

- Research and teaching evaluation methodologies and practices
- Use and extension of quantitative indicators for the study of research and higher education systems
- Current policy issues concerning higher education institutions, including perspective evaluation of ongoing reforms and retrospective assessment of past ones
- Case studies, including historical ones, on reforms or restructuring of specific research or higher education institutions, or systems thereof
- Theoretical and empirical studies on ethical issues in science,

24. Journal of social and economic development
25. Journal of the american planning association
26. Journal of urban design
27. Landscape research
28. Open source for you
29. Planning theory & practice
30. Science reporter
31. TERI: World digital libraries
32. Transportation
33. Urban ecosystems
34. Urban morphology

including data access and retention, selective publication of results, fraud and plagiarism, and experimentations on humans and animals

- Case studies and comparative analysis on legal aspects, law-making and design of law regarding research evaluation and policy
- Empirical studies, also in a historical perspective, on the influence of science and technology on society, especially of science and technology policy and institutions.
- Reflections from a philosophy and history of science point of view on the themes described above.

RT publishes original research papers, reviews and discussion notes. The preferred language is English, but contributions in other languages (Italian, French, German, Spanish) will be considered for publication - an extended summary in English will be included. Members of the Board of Editors can suggest the publication of issues focused on specific topics and calls for papers. The Board of Editors (BoE) is composed by two sub-committees: the Editorial Committee, including the founders of the journal, and the Editorial Board.

(Ref. Journal Site)

Resources available in SPAB Library

Books

- **Evaluation and performance measurement of research and development: techniques and perspectives for multi-level Analysis** / Vittorio Chiesa and Federico Frattini
- **Measuring academic research: how to undertake a bibliometric study** / Ana Andres
- **Author cocitation analysis: quantitative methods for mapping the intellectual structure of academic discipline** / Sean Eom
- **Mapping the dynamics of world agricultural research output: a scientometric study** / by Nabi Hasan
- **Bibliometric: new dimensions and latest trend** / by Ranjana Srivastava
- **Bibliometrics and citation analysis: from the science citation index to cybermetrics** / by Nocola de bellis
- **Bibliometrics in social work** / Gary Holden, Gary Rosenberg, Kathleen Barker
- **Altmetrics for information professionals: past, present and future** / Kim Holmberg

Important Notice

SPAB Library invites suggestions and small articles on various topics for this digest, please contact us and give your valuable insights to make it important resource of information for SPAB community.

Thanks & Regards

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“Let the everlasting air and light make comfortable the house that is built up with skill and knowledge and measured and erected by the learned architects.”

Atharva-Veda