Best Articles & Journals

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Best Articles & Journals

- **Tools**
  - SearchPlus (SciSearch)
  - Journal Citation Reports
  - Faculty of 1000
  - Open access
  - Instructions for Authors
SciSearch

- A multidisciplinary index to the journal literature covering science & technology
- A component of SearchPlus
- Indexes conference abstracts
- Indexes over 4,500 journals
- Updated weekly

SciSearch offers

- Searching across databases
- Full bibliographies
- Print, e-mail or download records into EndNote or RefWorks
- Browsing cited authors and search cited references
- Automatic alerting service
SciSearch

- Lists all articles’ bibliographies
- Serves as a cited reference searching tool
- (Unique!) Offers searching & browsing of all the bibliographies

Cited Searching: Why Do It?

- Identify later papers citing an earlier work
- Track research of colleagues & competitors
- Create a list of experts in a research field
- Analyze impact of published research
- Verify a scrambled citation (if it is cited)
  (e.g., citation not found in MEDLINE)
Complementary Citing Tools

- OVID (Medline, CINAHL)
- PsychInfo CSA
- Google Scholar
- Cannot browse whole bibliographies

Journal Citation Index (JCR)

- Unique resource that numerically ranks journals
- Ranks according to:
  - Most frequently cited journals
  - Most quickly cited journals
  - Longevity (citation half-life)
- Updated annually
JCR: Using it Wisely

- You should not depend solely on citation data in your journal evaluations. Citation data are not meant to replace informed peer review. Careful attention should be paid to the many conditions that can influence citation rates such as language, journal history and format, publication schedule, and subject specialty.

JCR: Journal Impact Factor

- Impact factor =
  - average number of times articles published over the past two years have been cited in the current (selected) JCR year.

Calculation: \[ \text{Cites to recent articles} \]
\[ \text{Number of recent articles} \]
JCR: Journal Impact Factor

2002 = 1232  2002 = 283
Sum:  2436  Sum:  622

Calculation: 

<table>
<thead>
<tr>
<th>Citations to recent articles</th>
<th>Number of recent articles</th>
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<td>2436</td>
<td>622</td>
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JCR: Immediacy Index

- The immediacy index is the average number of times an article is cited in the year it is published.
JCR: Immediacy Index

Cites in 2004 to articles published in 2004 = 306
Number of articles published in 2004 = 377
Calculation: Cites to current articles 306 = 0.812
Number of current articles 377

JCR: Immediacy Index

- Tends to discount the advantage of large journals over small ones
- Frequently issued journals may have an advantage
- For comparing journals specializing in cutting-edge research, the immediacy index can provide a useful perspective.
Instructions for Authors

- [http://lane.stanford.edu](http://lane.stanford.edu)
- Search on “Instructions”
- Link from Course Extras
  - Instructions tool
  - Ulrich’s (Librarians tool)
  - Google template

Best Articles & Journals

- **Tools**
  - SearchPlus (SciSearch)
  - Journal Citation Reports
  - Faculty of 1000
  - Open access
  - Instructions for Authors
Faculty of 1000 (Biology)

- New literature evaluation tool
- Insider's guide to important papers
- Offers the researcher a consensus of recommendations
- Highlights papers for scientific merit rather than the journal in which they appear (Hidden Jewels)
- Complements JCR

Faculty of 1000 (Biology)

- Updated immediately
- Searchable via PubMed
- Medical version now available
Faculty of 1000

- Find quality articles beyond your usual reading
- Browse Top 10 Lists
- Search by keyword, au, etc.
- Search by article type
- Set up alerts

The F1000 ‘Factor’

- F1000 Factor =
  - Mean of Highest 2 Scores +
  - (Sum of All Scores/30)

- If paper picked by 3 Faculty members
  - two rate it as Must Read (6)
  - third rates as Exceptional (9)
  - \( (6+9)/2 + (6+6+9)/30 = 8.2 \) [Exceptional]
Open Access

- [http://lane.stanford.edu](http://lane.stanford.edu)
- Search on “Open Access”
- Link from Course Extras
  - NIH “suggestion” PubMed Central
  - Discussion with links by Lane’s Head of Library Technical Services

Evaluations!

- Online evaluation as Course Extra
- SciSearch help sheet, tutorials
- Important Links