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A. INTRODUCTION
GUIDE TO CHECK IMPACT FACTOR AND JOURNAL RANKING USING JOURNAL CITATION REPORTS (JCR)

There are 3 Citation Databases in Web of Science that index journal publications:

- Science Citation Index Expanded (SCI-EXPANDED)
- Social Sciences Citation Index (SSCI)
- Arts & Humanities Citation Index (A&HCI)

For journals indexed in SCI-EXPANDED and SSCI, please check Impact Factor and Journal Ranking using Journal Citation Reports (JCR), a database subscribed by UM

NOTE: Journals indexed in A&HCI ONLY are WITHOUT Impact Factor
1. Access Library Website: http://www.umlib.um.edu.my

2. Login interaktif Library Portal: with your member/staff card number, start with X .......

3. Click Databases

4. Scroll down the list and choose Journal Citation Reports (JCR)

5. Click Journal Citation Reports (JCR)
1. http://www.umlib.um.edu.my

2. Input X........ number in your member/staff card here

3. Click on Databases

4 & 5. Scroll down the list to Journal Citation Reports (JCR) (arranged in alphabetically order)
B. SEARCHING JCR BY SPECIFIC JOURNAL TITLE
JCR Database: (Journals with Impact Factor are listed) Start searching ... ...

OPTION A. SEARCH FOR A SPECIFIC JOURNAL


2. Select an option:
   - If you know the exact name of the journal, choose “Search for a specific journal”
   - View a group of journals by Subject Category
   - Search for a specific journal
   - View all journals

3. Click on “SUBMIT” button
Example: Choose 2011 JCR Science Edition (Pls select the latest year in your own search)

1) Search by Full Journal Title / Abbr. Journal Title / Title Word / ISSN

2) Type search term: BRAIN AND LANGUAGE

3) Click on the “SEARCH” button and the searching process begins

Note: Inconsistency in indexing “and” in title of the journal
Search Result Displayed:

4) Click “Journal Ranking” for details of ranking of the journal in categories

Impact factor of this journal: 3.115
The journal “Brain and Language” ranked:

i. Quartile 1 (Q1) in AUDIOLOGY & SPEECH-LANGUAGE PATHOLOGY category

ii. Quartile 2 (Q2) in NEUROSCIENCES category

<table>
<thead>
<tr>
<th>Category Name</th>
<th>Total Journals in Category</th>
<th>Journal Rank in Category</th>
<th>Quartile in Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUDIOLOGY &amp; SPEECH-LANGUAGE PATHOLOGY</td>
<td>21</td>
<td>2</td>
<td>Q1</td>
</tr>
<tr>
<td>NEUROSCIENCES</td>
<td>244</td>
<td>104</td>
<td>Q2</td>
</tr>
</tbody>
</table>

5) Click ‘Return to Journal’, & scroll down the screen for further information.
**Journal Impact Factor**
The journal Impact Factor is the average number of times articles from the journal published in the past two years have been cited in the JCR year.

<table>
<thead>
<tr>
<th>Cites in 2011 to items published in: 2010 = 179</th>
<th>Number of items published in: 2010 = 75</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009 = 254</td>
<td>2009 = 64</td>
</tr>
<tr>
<td>Sum: 433</td>
<td>Sum: 139</td>
</tr>
</tbody>
</table>

**Calculation:**
- Cites to recent items = \( \frac{433}{139} = 3.115 \)

| Number of recent items = 139 |

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**5-Year Journal Impact Factor**

<table>
<thead>
<tr>
<th>Cites in {2011} to items published in: 2010 = 179</th>
<th>Number of items published in: 2010 = 75</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009 = 254</td>
<td>2009 = 64</td>
</tr>
<tr>
<td>2008 = 280</td>
<td>2008 = 84</td>
</tr>
<tr>
<td>2007 = 257</td>
<td>2007 = 66</td>
</tr>
<tr>
<td>2006 = 290</td>
<td>2006 = 88</td>
</tr>
<tr>
<td>Sum: 1260</td>
<td>Sum: 377</td>
</tr>
</tbody>
</table>

**Calculation:**
- Cites to recent items = \( \frac{1260}{377} = 3.342 \)

**Number of recent items = 377**
Journal Self-cites:

The tables show the contribution of the journal's self cites to its impact factor. This information is also represented in the cited journal graph.

<table>
<thead>
<tr>
<th>Total Cites</th>
<th>4852</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cites to Years Used in Impact Factor Calculation</td>
<td>433</td>
</tr>
<tr>
<td>Impact Factor</td>
<td>3.115</td>
</tr>
<tr>
<td>Self Cites</td>
<td>304 (6% of 4852)</td>
</tr>
<tr>
<td>Self Cites to Years Used in Impact Factor Calculation</td>
<td>42 (9% of 433)</td>
</tr>
<tr>
<td>Impact Factor without Self Cites</td>
<td>2.813</td>
</tr>
</tbody>
</table>

Cited Journal Graph

Click here for Cited Journal data table

This graph shows the distribution by cited year of citations to items published in the journal BRAIN LANG.

Citations to the journal (per cited year)

- The white/grey division indicates the half-life of citations.
- The top (gold) portion of the bars represents citations to self-cite items.
- The bottom (blue) portion represents citations to non-self-cite items.
- The two lighter columns represent the remaining citations.
C. SEARCHING JCR BY SUBJECT CATEGORY

2. Select an option:
If you wish to search according to subject category, choose “View a group of journals by Subject category”

3. Click on “SUBMIT” button
Example: Choose Subject Category “AREA STUDIES”

4. Scroll down the subject category list to locate your field

5. Sort by Impact Factor & submit
JOURNAL SUMMARY LIST DISPLAYED. The top 25% of the subject category (sort according to impact factor) is in Tier 1 or Q1 of this subject. This has to be calculated manually. For example, AREA STUDIES has 66 titles and the top 25% is around 16th / 17th title. And this is followed by Q2 which is the next 25% & etc.

6. As an example to find out which tier a journal belongs to: Select any title such as "JOURNAL OF CONTEMPARY CHINA"
7) Click “Journal Ranking” for details of journal rank in categories
“Journal of Contemporary China” ranked:
i. Quartile 1 (Q1) in AREA STUDIES category

For 2011, the journal *Journal of Contemporary China* has an Impact Factor of 0.677.

This table shows the ranking of this journal in its subject categories based on Impact Factor.

<table>
<thead>
<tr>
<th>Category Name</th>
<th>Total Journals in Category</th>
<th>Journal Rank in Category</th>
<th>Quartile in Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>AREA STUDIES</td>
<td>66</td>
<td>10</td>
<td>Q1</td>
</tr>
</tbody>
</table>
D. ADDITIONAL INFORMATION
POINTS TO PONDER PRIOR SUBMISSION OF MANUSCRIPT

1) Please verify the status of the journal whether it is indexed in Web of Science

MASTER JOURNAL LIST:
http://ip-science.thomsonreuters.com/mjl/

2) Please check ‘BEALL’S LIST’
To avoid submission of manuscripts to “potential, possible, or probable predatory scholarly open-access publishers”

http://scholarlyoa.com/publishers/
Using Journal Citation Reports 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.
THANK YOU!