# The Impact of Open Access Journals
## A Citation Study from Thomson ISI

Recently, we have witnessed a major shift in the landscape of publishing. Open Access, once a minor tremor, now dominates discussion everywhere. Each week brings a new declaration from a major society, publisher, consortium, or government agency taking one side or another on this important topic. The number of open access journals is rising steadily, and new publishing models are rapidly evolving to test new ways to increase readership and access. Proponents of open access tout the increasing influence journals will have as they achieve higher readership through free access. Others contend that, over the long term, editorial quality is best supported through traditional business models.

Do open access journals have greater impact than those that do not allow free access to all readers? This question is important at ISI because our mission is to help researchers find the highest quality scholarly literature, regardless of its business model. For more than 40 years ISI has employed a well-documented journal selection process, the aim of which is to provide access to the most important and influential scholarly journals. An essay on this subject is found at http://www.thomsonisi.com/selection/.

The current study is part of an ongoing analysis within ISI of the overall performance of OA journals as they are added to the mix of scholarly publications used in the research community. Using ISI citation metrics, we will try to determine if OA journals perform differently from other journals in their respective fields. We welcome comments on this study and look forward to a continuing dialog on this subject.

ISI currently covers nearly 200 OA journals in its products (See Appendix I for a list of titles).[1] This number, though small in comparison to the total number of journals in ISI's databases, is quite significant in terms of the progress made by the OA movement. These journals span many subject areas in the natural sciences, the social sciences, and the arts & humanities. For the purposes of this study, we defined "Open Access" simply as not charging readers or their institutions for the right to access, download, copy, print, distribute or search the articles. All of these journals are electronically available, peer-reviewed publications. We have not included journals for which only part of the content is freely available—when the archive is openly accessible but the most recent issues are not, for example.

We have found that the number of OA journals identified as Open Access and covered in ISI databases is growing rapidly, partly because new journals are founded and older journals are changing their access models, but also because better lists of such journals are becoming available. Each of the OA journals covered by ISI was subjected to the same rigorous selection process as any other journal included. These journals all adhere to high publishing standards, are peer reviewed comparably to other journals in their

[1] The list of Open Access journals presented in this study was developed from the following resources: the Directory of Open Access Journals (http://www.doaj.org/) at Lund University; the free full-text journals on the Japan Science and Technology Information Aggregator, Electronic (J-STAGE) site at Meiji University Library (http://www.lib.meiji.ac.jp/olj/list/12000.html); and the Scientific Electronic Library Online (SciELO) project created by the FAPESP, BIREME and CNPq agencies in Brazil (http://www.scielo.br/). The lists from each of these sites were combined, de-duplicated, and compared to Thomson-ISI current coverage. OA journals may exist that are not listed on these resources.

respective fields, and are cited at a level that indicates they compete favorably with similar journals in their field. The chief difference between these and some other journals covered by ISI is that the entire content of the OA journals is available without cost to the user.

*OVERALL CITATION IMPACT*

Does the potential for wide distribution of OA journals, at no charge to the reader, have a measurable effect on the citation impact? To answer this question, we looked specifically at a group of 148 journals in the natural sciences that have been covered long enough to have Impact Factors (IF) in the 2002 Journal Citation Reports® (JCR). We focused on the natural sciences because only a small number of OA journals in the social sciences have received Impact Factors. Arts and humanities journals do not have citation metrics in the Journal Citation Reports®.

Citation and publication patterns differ between disciplines, so the Impact Factor is only meaningful when it is used to compare journals within a discipline. For this reason, our comparisons in this study are based on the journal's rank in its respective JCR® category.

To normalize the data across all categories, we translated the individual category rankings into percentile rankings. The rank of each OA journal in its category or categories in the 2002 Journal Citation Reports was determined; this rank was divided by the total number of journals ranked in the category to create a percentile rank. The journals ranking highest by Impact Factor are thus in the highest percentiles. For example, the British Medical Journal has a 2002 Impact Factor of 7.585, ranking sixth of 107 journals in the JCR category 'Medicine, General and Internal.' Therefore, it is in the 94$^{th}$ percentile of the category. BMC Public Health has a 2002 Impact Factor of 0.294, ranking 87$^{th}$ of 90 in the JCR category 'Public, Environmental & Occupational Health.' Therefore, it is in the third percentile of the category. See Appendix I for a complete listing of all OA journals with 2002 Impact Factors and percentile rank. For journals with more than one JCR category, the highest percentile rank was used for analysis. Figure 1 shows the distribution of the percentile rank for the 148 OA journals in the 2002 JCR.

 

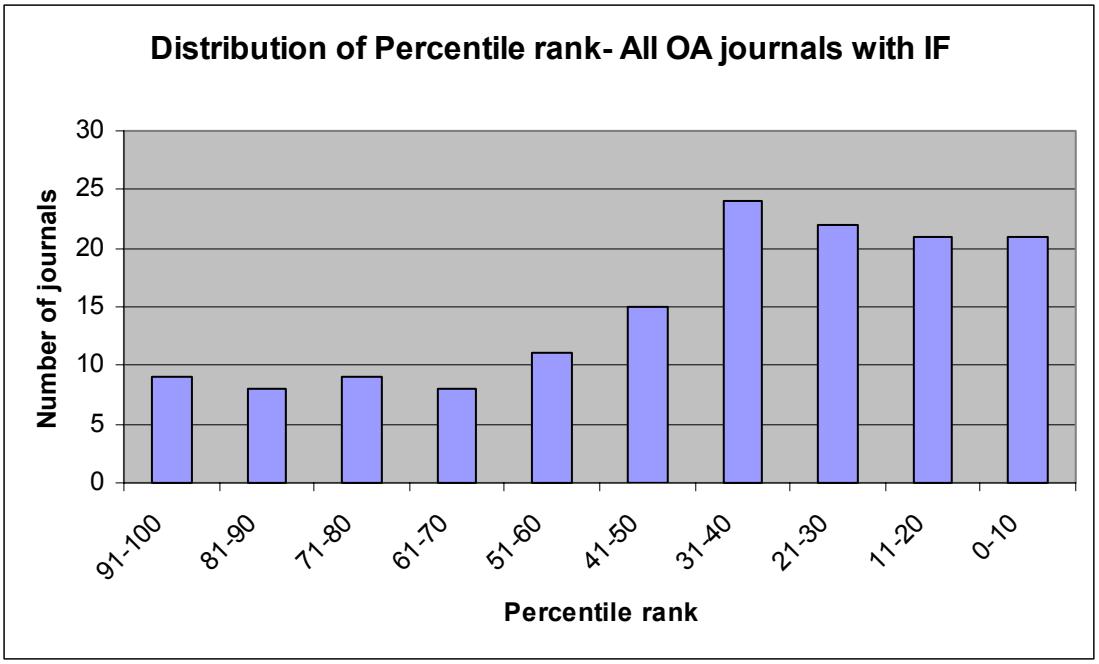


*Figure 1*: Distribution of percentile rank. 148 Journals.
Mean rank =39.77%ile.

Open Access journals' ranks in their respective categories vary. Some rank near the top of the category (e.g., Journal of Machine Learning Research, CA A Cancer Journals for Clinicians, and IBM Journal of Research and Development), while others rank near the bottom (e.g., Journal of Astrophysics & Astronomy, Annals of Saudi Medicine, Japanese Heart Journal, BMC Public Health, Japanese Journal of Infectious Diseases, Scottish Medical Journal, Turkish Journal of Pediatrics, Biotechnology and Development Monitor, and Brazilian Journal of Microbiology). Overall, 98 (66%) of the journals rank below the 50$^{th}$ percentile. Relatively few, around 6%, are in or above the 91$^{st}$ percentile.

The journals are distributed across dozens of JCR® subject categories, ranging from 'Cell Biology' to 'Mathematics.' For the purposes of this study, we grouped JCR categories into one of four broad areas: Medical, Life Sciences, Mathematics & Engineering, and Physics & Chemistry. Figures 2, 3, 4 and 5 show the distribution of the OA journals in these four groupings.

 

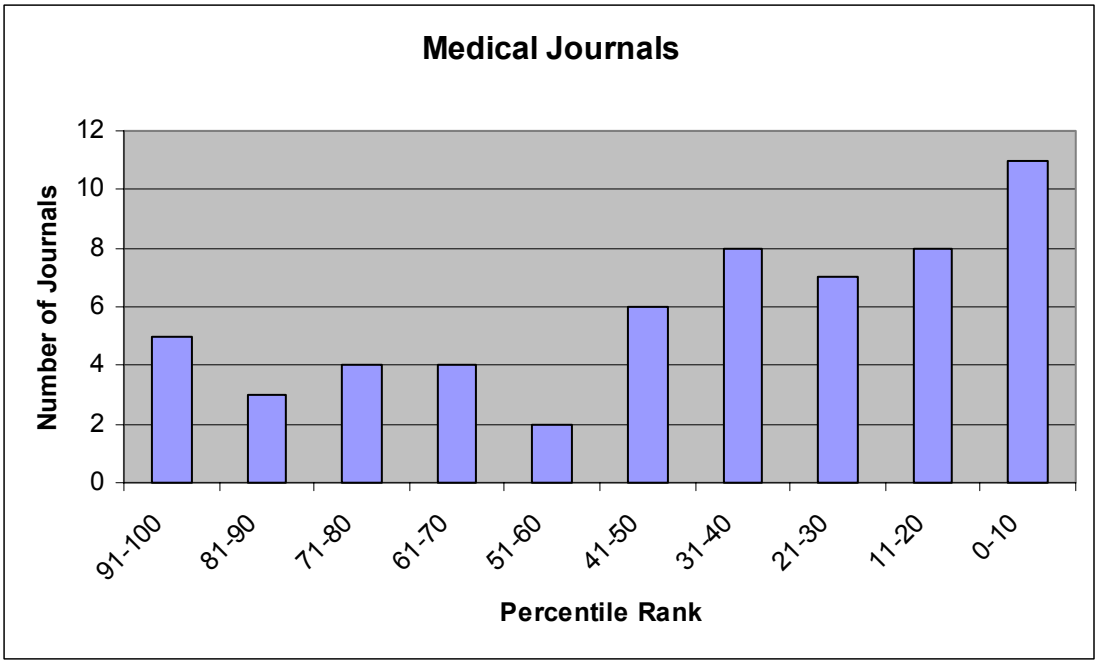


*Figure 2.* Medical Journals. 58 Journals.
Mean rank= 40.26%ile.

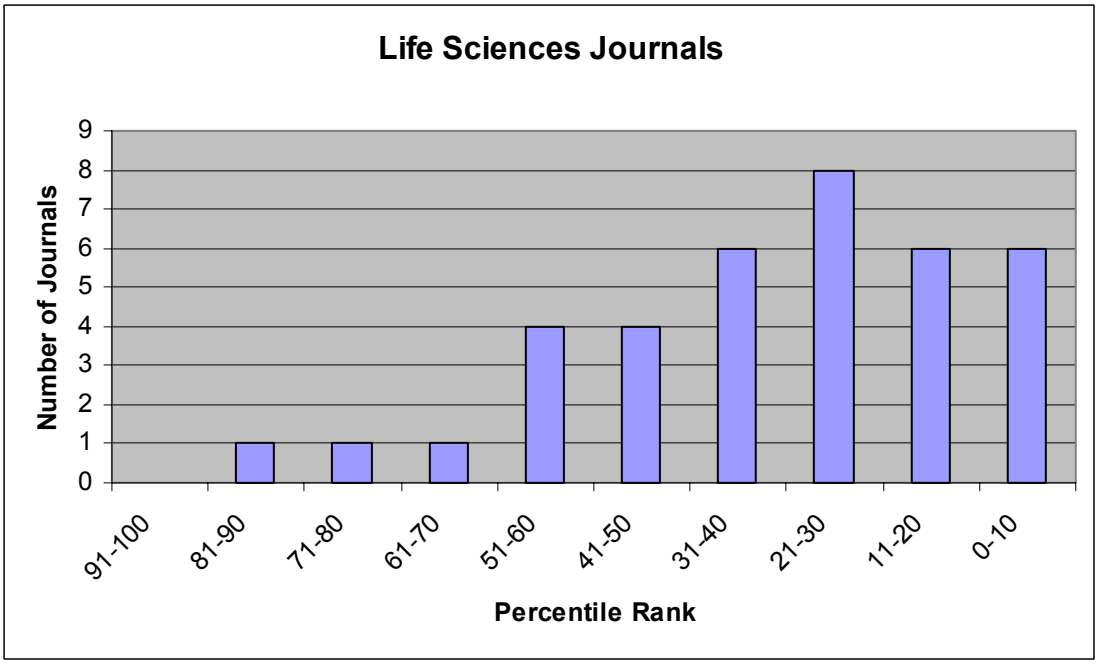


*Figure 3*. Life Sciences Journals. 37 Journals.
Mean rank = 38.77%ile.

 

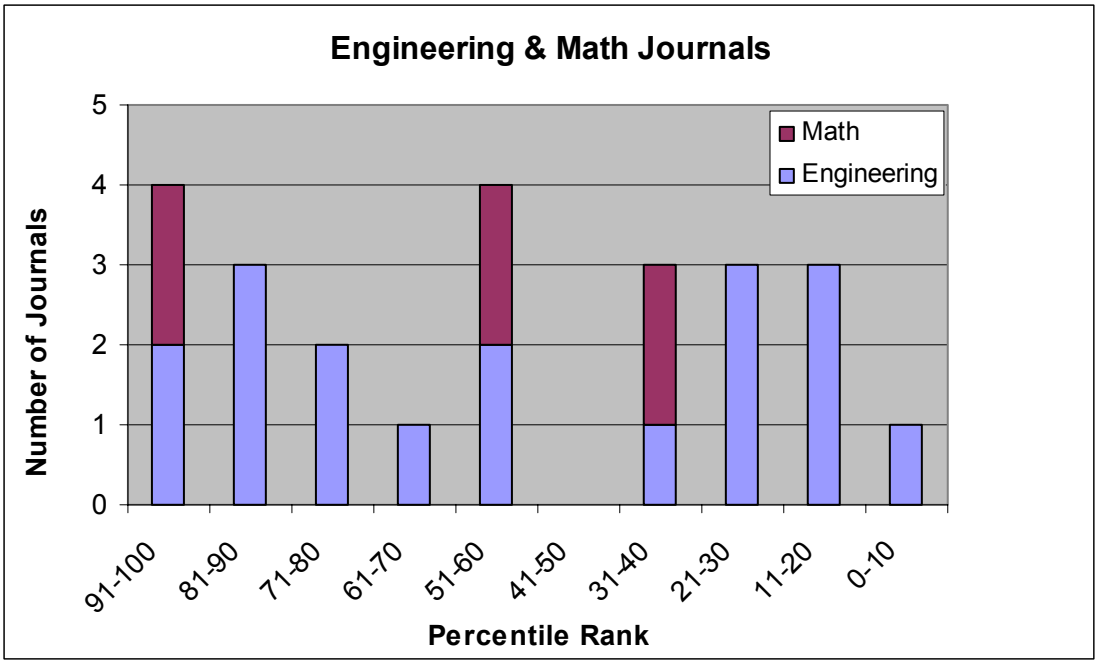


*Figure 4*. Engineering & Mathematics. 24 Journals 18 Engineering Journals. 6 Math Journals.
Mean rank = 32.89%ile.

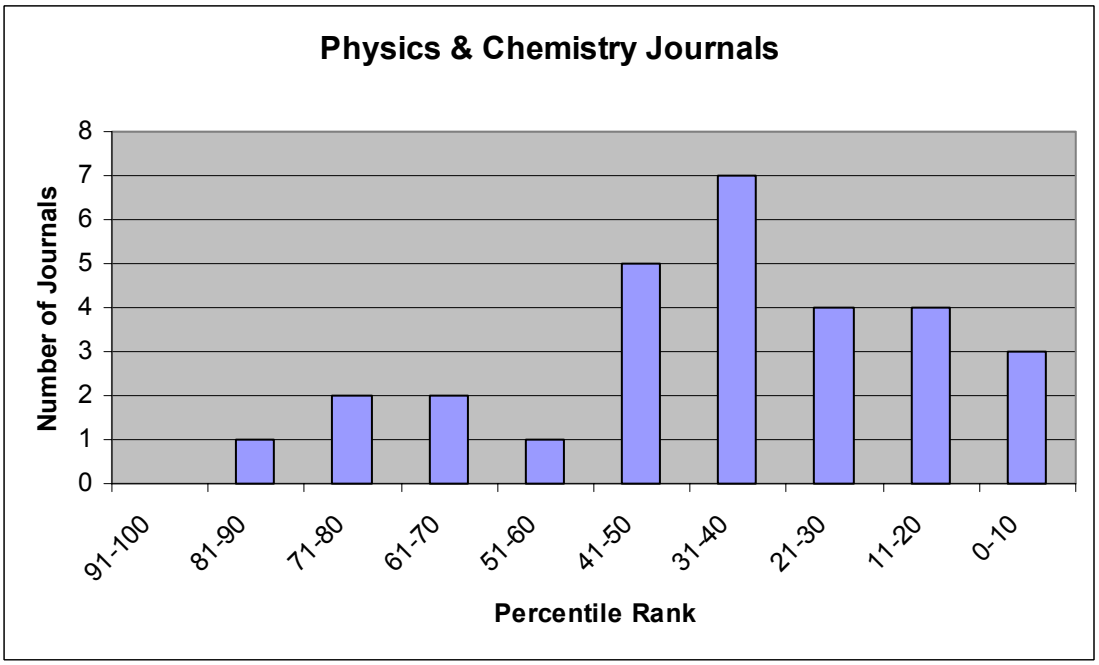


*Figure 5*. Physics & Chemistry Journals. 29 Journals.
Mean rank= 37.10%ile.

All subject areas display a wide range of percentile rankings. The Engineering & Mathematics subject area stands out with the highest percentage (26%) of journals in the highest percentiles. All other areas have relatively few high ranking journals.

 

*CURRENCY OF CITATIONS*

Does the fact of open access change the velocity or pattern of citation? Intuitively, we would expect that wider readership available under open access would result in new articles being cited sooner.

Using all citations in the year 2002, we examined the relative speed with which recent articles in OA journals were cited, and compared that to the overall citation pattern of traditionally published journals. Although some of the OA journals have been publishing for many years, to accommodate the relatively large number of recently launched OA journals, we considered citations only to the past four years. All journals in the following graphs were publishing issues between 1999 and 2002. The graph in Figure 6 shows how citations in 2002 are distributed as a percentage of total cites across the four years under examination.

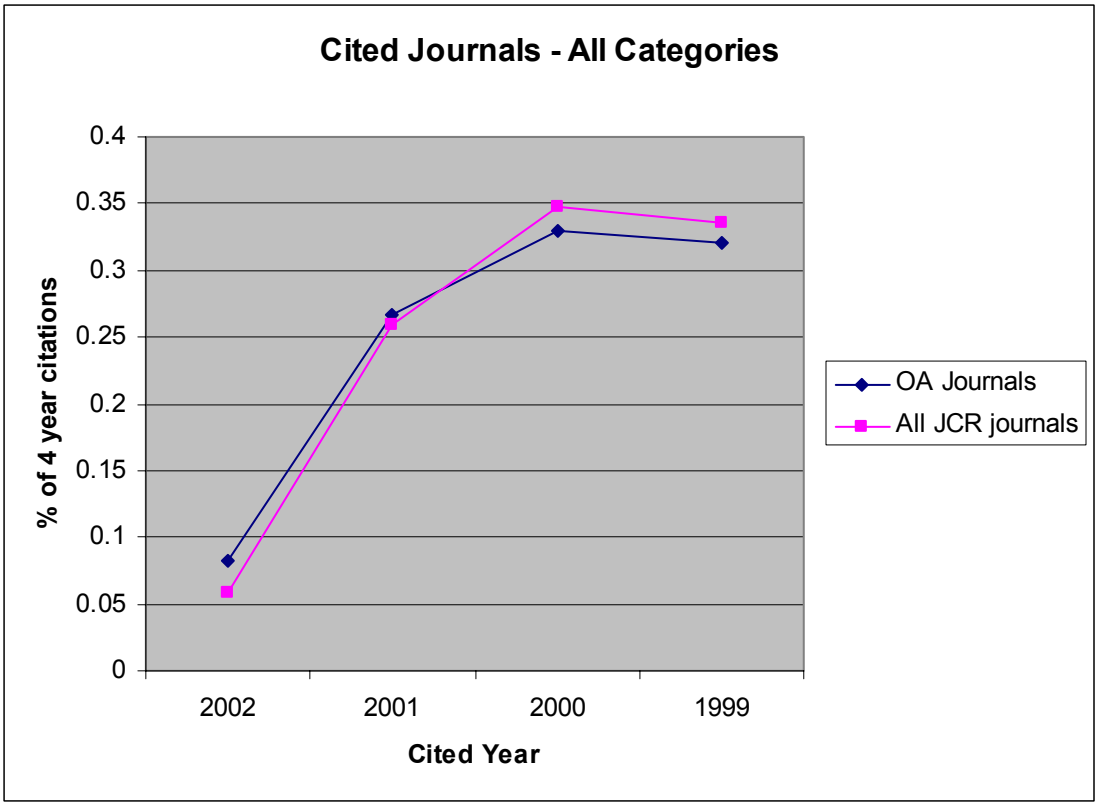


*Figure 6*. Distribution of Citations, 148 Journals
Citing Year 2002; Cited Years 2002-1999.

The curves suggest that the OA journals have a broadly similar citation pattern to other journals, but may have a slight tendency to earlier citations. They have a slightly higher percentage of citations to articles published in 2002 and thus a lower plateau. Table 1 shows the gross citation counts underlying the graph.

 

| | 2002 | 2001 | 2000 | 1999 | 4 year sum |
|---|---|---|---|---|---|
| OA Journals | 7184 | 23238 | 28829 | 28041 | 87292 |
| All other JCR | 233548 | 1030108 | 1379716 | 1332263 | 3975635 |

*Table 1*. Citation Counts, Citing year 2002, 148 Journals.

The wide range of subjects spanned by these data could obscure important differences in citation patterns. To accommodate the known differences in the pace of research and publication between fields, we studied two groups of journals more closely. The JCR category 'Pharmacology & Pharmacy' contains journals in a rapidly developing field; the 'Mathematics' category, by contrast, contains journals in which the time-span of cited articles is much lengthier.

The 'Pharmacology & Pharmacy' category contains eight OA journals (AAPS PharmSci, Biological & Pharmaceutical Bulletin, Chemical & Pharmaceutical Bulletin, Journal of Pharmacy & Pharmaceutical Sciences, Journal of Pharmacological Sciences, Japanese Journal of Pharmacology, Polish Journal of Pharmacology, and Yakugaku Zasshi-Journal of the Pharmaceutical Society of Japan). These journals range in age from the recently launched Journal of Pharmacological Sciences, to the Japanese Journal of Pharmacology, published continuously since 1951. We compared the age of cited articles in seven of the eight OA journals in this category to the overall citation pattern of the 188 journals in the 'Pharmacology & Pharmacy' category. (The Journal of Pharmacological Sciences did not have citation data in the 2002 JCR and was not included in these analyses.)The graph in Figure 7 shows how citations in 2002 are distributed, as a percentage of total cites, across articles published during the four years under examination.

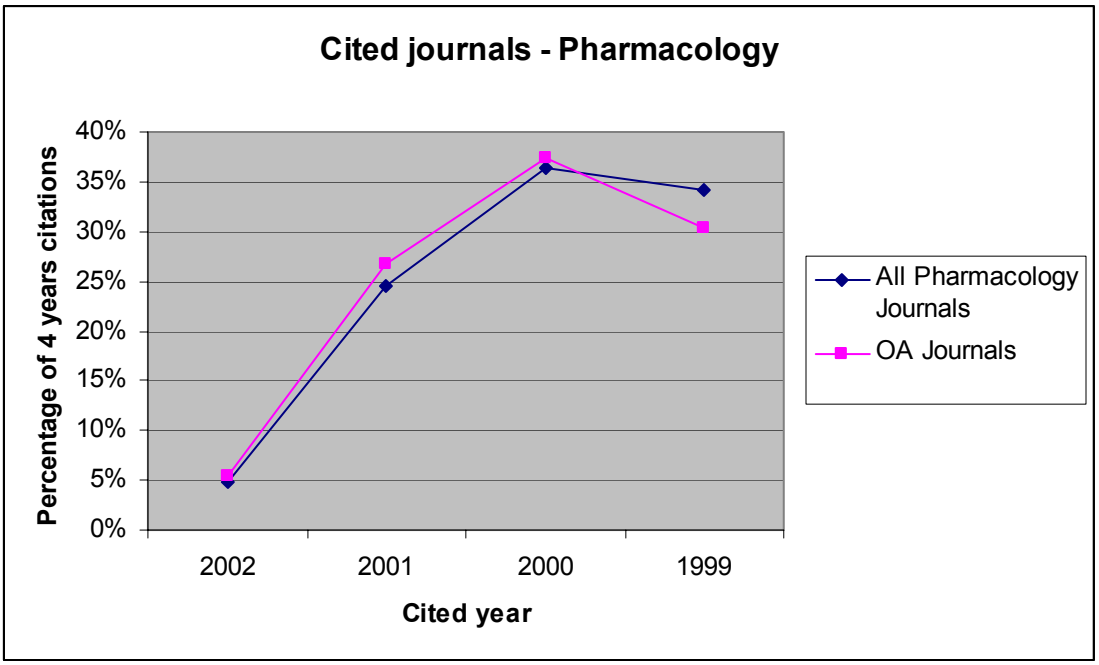


*Figure 7*. Distribution of Citations, seven Pharmacology and Pharmacy Journals. Citing Year 2002; Cited Years 2002-1999.

Table 2 details the distribution of 2002 citations across the four year period for each 'Pharmacology and Pharmacy' journal.

 

| Journal | 2002 | 2001 | 2000 | 1999 | 4 year sum |
|---|---|---|---|---|---|
| AAPS PHARMSCI | 3 | 64 | 55 | 24 | 146 |
| BIOL PHARM BULL | 58 | 279 | 383 | 319 | 1039 |
| CHEM PHARM BULL | 89 | 350 | 496 | 412 | 1347 |
| J PHARM PHARM SCI | 3 | 17 | 33 | 15 | 68 |
| JPN J PHARMACOL | 31 | 200 | 250 | 252 | 733 |
| POL J PHARMACOL | 7 | 39 | 69 | 63 | 178 |
| YAKUGAKU ZASSHI | 4 | 26 | 72 | 21 | 123 |
| **All Pharmacology Journals** | **7,711** | **39,153** | **58,189** | **54,763** | **159,816** |
| **OA Journals** | **195** | **975** | **1358** | **1106** | **3634** |

*Table 2*. Citation Counts, Citing year 2002, seven Journals

This limited analysis suggests that, despite their wide distribution and free access, and even in a rapidly evolving subject like pharmacology, the articles in the OA journals are not cited appreciably more quickly than those in comparable, traditional journals. For both OA and traditional publishing model journals, pharmacology journals show a rapid increase in citations for three years post-publication.

The OA journals in the 'Mathematics' category in the 2002 JCR, despite their higher average rank in category, are similar to other journals in the velocity of their citations . The graph in Figure 8 demonstrates that the six OA math journals (Annales Academiae Scientiarum Fennicae-Mathematica, Annals of Mathematics, Bulletin of the American Mathematical Society, Journal of Lie Theory, Pacific Journal of Mathematics, and Taiwanese Journal of Mathematics) do not differ significantly from other journals in that subject. 'Mathematics,' in contrast to 'Pharmacology & Pharmacy,' shows a slower time-course for the development of citations. This is because journals in the 'Mathematics' category generally cite a far older population of articles.

 

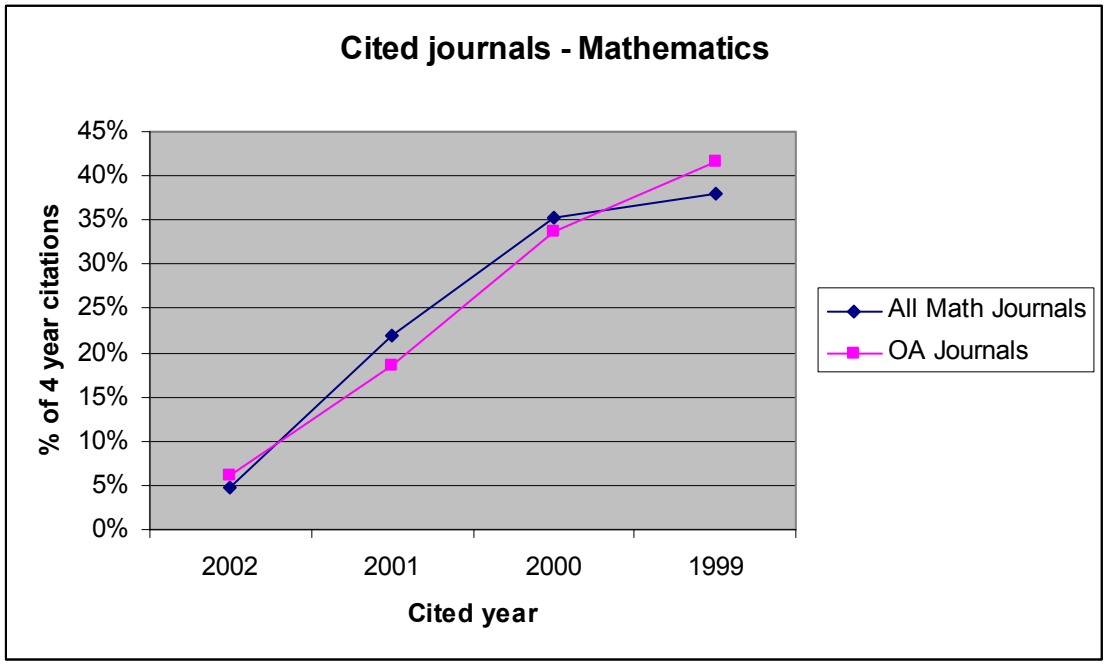


*Figure 8*. Distribution of Citations, six Mathematics Journals
Citing Year 2002; Cited Years 2002-1999.

Table 3 details the distribution of 2002 citations across the four year period for each journal in the 'Mathematics' category.

| | 2002 | 2001 | 2000 | 1999 | 4 year sum |
|---|---|---|---|---|---|
| ANN ACAD SCI FENN-M | 0 | 12 | 7 | 11 | 30 |
| ANN MATH | 27 | 64 | 117 | 142 | 350 |
| B AM MATH SOC | 7 | 13 | 18 | 69 | 107 |
| J LIE THEORY | 2 | 7 | 20 | 9 | 38 |
| PAC J MATH | 9 | 42 | 72 | 68 | 191 |
| TAIWAN J MATH | 3 | 5 | 27 | 23 | 58 |
| **All Math Journals** | **2,026** | **9,250** | **14,870** | **16,050** | **42,196** |
| **OA Journals** | **48** | **143** | **261** | **322** | **774** |

*Table 3*. Citation Counts, Citing year 2002, six Journals

When examined within two specific subjects, the possibility for wide distribution of OA journal articles has, so far, no discernable effect on the speed with which the literature incorporates the results they describe.

As with traditional journals, there are many possible explanations for whether or not OA journals are highly cited. Many of the OA titles that have been indexed in ISI products for many years have only recently shifted to an Open Access model of distribution. They have carried their citation patterns along into the Open Access environment. A good example is the British Medical Journal.

Conversely, other journals founded recently employing the Open Access format are being cited or not based on the overall quality of their articles. PLOS Biology, which is too new

 

to be analyzed here, appears to be garnering citations at a relatively rapid rate based on the quality of its content. To date (April 5, 2004) articles in its first four issues have already been cited nearly 50 times.

The role of regional journals in Open Access publishing is also notable. There are several instances of a significant block of regional journals being made available under dedicated open access environments (e.g., J-STAGE in Japan and SciELO in Brazil). The journals of the SciELO project, for example, are among the most venerable OA journals, having been freely available online since 1999. Yet, in spite of the many notable achievements of Brazilian science, and the success of some of these journals in achieving a level of recognition, many have yet to make a significant citation impact on the international scientific literature.

In ISI's Editorial Development Department, we have witnessed the evaluation, and selection or rejection of thousands of journals. In many cases we have been deluged with eloquent letters from sincere supporters of a particular journal under evaluation. We are often told of an extremely wide and growing base of subscribers to a particular journal. What we find, though, is that wide distribution does not necessarily result in higher citations.

Open Access journals certainly have the potential to garner an even greater readership. Except where technology does not permit, anyone in the world will have access to them. Yet how does this additional exposure affect the importance and influence of the journal, as measured by citations? To date, no clear effect has been observed. Though there is some suggestion in aggregate of a slightly more rapid accumulation of citations, this effect is, so far, minimal. The wide distribution of these OA journals has not yet been shown to have any appreciable effect on their appearance in lists of cited references in other journals.

ISI will continue to monitor the performance of the set of high-quality OA journals it has selected for inclusion in its citation indexes and in the Journal Citation Reports. It is quite possible that new trends will emerge as early as June of this year, when a new annual analysis of journal data is complete. We will update this document at that time with further analysis.

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This essay was prepared by: James Testa, Director, Editorial Development, Thomson-ISI and Marie E. McVeigh, Product Development Manager, Thomson-ISI.

 

## Appendix I: Full list of Open Access Journals

| **Physics & Chemistry** | | | | | |
|---|---|---|---|---|---|
| Title | IF | rank | total in cat | %ile | Category Name |
| Acta Chimica Slovenica | 0.538 | 75 | 119 | 36.97% | Chemistry, Multidisciplinary |
| Acta Chromatographica | N/A | | 68 | | Chemistry, Analytical |
| Acta Physica Polonica B | 0.601 | 43 | 68 | 36.76% | Physics, Multidisciplinary |
| Analytical Sciences | 0.844 | 49 | 68 | 27.94% | Chemistry, Analytical |
| Arkivoc | N/A | | 53 | | Chemistry, Organic |
| Atmospheric Chemistry and Physics | 0.714 | 31 | 46 | 32.61% | Meteorology & Atmospheric Science |
| Brazilian Journal of Chemical Engineering | 0.160 | 104 | 120 | 13.33% | Engineering, Chemical |
| Brazilian Journal of Physics | 0.678 | 40 | 68 | 41.18% | Physics, Multidisciplinary |
| Bulletin of the Chemical Society of Japan | 1.213 | 36 | 119 | 69.75% | Chemistry, Multidisciplinary |
| Bulletin of the Korean Chemical Society | 0.495 | 82 | 119 | 31.09% | Chemistry, Multidisciplinary |
| Bunseki Kagaku | 0.485 | 63 | 68 | 7.35% | Chemistry, Analytical |
| Chemicke Listy | 0.336 | 92 | 119 | 22.69% | Chemistry, Multidisciplinary |
| Chemistry Letters | 1.529 | 29 | 119 | 75.63% | Chemistry, Multidisciplinary |
| Chinese Journal of Chemistry | 0.558 | 73 | 119 | 38.66% | Chemistry, Multidisciplinary |
| Chinese Journal of Physics | 0.518 | 44 | 68 | 35.29% | Physics, Multidisciplinary |
| Croatica Chemica Acta | 0.722 | 62 | 119 | 47.90% | Chemistry, Multidisciplinary |
| Current Science | 0.533 | 20 | 48 | 58.33% | Multidisciplinary Sciences |
| Ecletica Quimica | 0.194 | 107 | 119 | 10.08% | Chemistry, Multidisciplinary |
| International Journal of Molecular Sciences | N/A | | 119 | | Chemistry, Multidisciplinary |
| Journal of Astrophysics and Astronomy | 0.277 | 41 | 43 | 4.65% | Astronomy & Astrophysics |
| Journal of Chemical Engineering of Japan | 0.459 | 71 | 120 | 40.83% | Engineering, Chemical |
| Journal of the Brazilian Chemical Society | 1.036 | 42 | 119 | 64.71% | Chemistry, Multidisciplinary |
| Journal of the Meteorological Society of Japan | 0.697 | 33 | 46 | 28.26% | Meteorology & Atmospheric Science |
| Journal of the Serbian Chemical Society | 0.361 | 89 | 119 | 25.21% | Chemistry, Multidisciplinary |
| Molecules | 0.408 | 45 | 53 | 15.09% | Chemistry, Organic |
| New Journal of Physics | 1.768 | 14 | 68 | 79.41% | Physics, Multidisciplinary |
| Nippon Kagaku Kaishi | 0.188 | 109 | 119 | 8.40% | Chemistry, Multidisciplinary |
| Nonlinear Processes in Geophysics | 0.797 | 29 | 51 | 43.14% | Geochemistry & Geophysics |
| Oceanologia | N/A | | 41 | | Oceanography |
| Physical Review Special Topics-Accelerators and Beams | N/A | | 19 | | Physics, Particles & Fields |
| Pramana-Journal of Physics | 0.324 | 56 | 68 | 17.65% | Physics, Multidisciplinary |
| Progress of Theoretical Physics | 2.013 | 12 | 68 | 82.35% | Physics, Multidisciplinary |
| Quimica Nova | 0.637 | 69 | 119 | 42.02% | Chemistry, Multidisciplinary |
| Water SA | 0.481 | 32 | 52 | 38.46% | Water Resources |

 

| Medicine | | | | | |
|---|---|---|---|---|---|
| Title | IF | rank | total in cat | %ile | Category Name |
| AAPS PharmSci | 1.700 | 81 | 187 | 56.68% | Pharmacology & Pharmacy |
| Acta Medica Okayama | 0.506 | 67 | 74 | 9.46% | Medicine, Research & Experimental |
| Annals of Saudi Medicine | 0.117 | 105 | 107 | 1.87% | Medicine, General & Internal |
| Arquivos de Neuro-Psiquiatria | 0.257 | 79 | 88 | 10.23% | Psychiatry |
| Asian Journal of Andrology | 0.827 | 3 | 5 | 40.00% | Andrology |
| Biological & Pharmaceutical Bulletin | 1.038 | 125 | 187 | 33.16% | Pharmacology & Pharmacy |
| BMC Cancer | 1.050 | 91 | 113 | 19.47% | Oncology |
| BMC Gastroenterology | N/A | | 45 | | Gastroenterology & Hepatology |
| BMC Health Services Research | 0.083 | 52 | 53 | 1.89% | Health Care Sciences & Services |
| BMC Infectious Diseases | 0.958 | 34 | 38 | 10.53% | Infectious Diseases |
| BMC Musculoskeletal Disorders | N/A | | 22 | | Rheumatology |
| BMC Public Health | 0.294 | 87 | 90 | 3.33% | Public, Environmental & Occupational Health |
| Brazilian Journal of Medical and Biological Research | 0.802 | 35 | 63 | 44.44% | Biology |
| British Medical Journal | 7.585 | 6 | 107 | 94.39% | Medicine, General & Internal |
| CA-A Cancer Journal for Clinicians | 32.886 | 1 | 114 | 99.12% | Oncology |
| Canadian Association of Radiologists Journal-Journal de l'Association Canadienne des Radiologistes | N/A | | 81 | | Radiology, Nuclear Medicine & Medical Imaging |
| Canadian Journal of Psychiatry-Revue Canadienne de Psychiatrie | 1.808 | 45 | 88 | 48.86% | Psychiatry |
| Canadian Journal of Surgery | 0.448 | 113 | 141 | 19.86% | Surgery |
| Canadian Medical Association Journal | 3.220 | 11 | 107 | 89.72% | Medicine, General & Internal |
| Chemical & Pharmaceutical Bulletin | 1.133 | 39 | 119 | 67.23% | Chemistry, Multidisciplinary |
| Circulation Journal | N/A | | 66 | | Cardiac & Cardiovascular Systems |
| Clinical and Investigative Medicine-Medecine Clinique et Experimentale | 1.029 | 52 | 74 | 29.73% | Medicine, Research & Experimental |
| Cortex | 0.942 | 149 | 197 | 24.37% | Neurosciences |
| Croatian Medical Journal | 0.710 | 57 | 107 | 46.73% | Medicine, General & Internal |
| Current Controlled Trials in Cardiovascular Medicine | N/A | | 66 | | Cardiac & Cardiovascular Systems |
| Emerging Infectious Diseases | 4.757 | 4 | 38 | 89.47% | Infectious Diseases |
| Endocrine Journal | 0.847 | 76 | 88 | 13.64% | Endocrinology & Metabolism |
| Environmental Health Perspectives | 3.452 | 2 | 131 | 98.47% | Environmental Sciences |
| Experimental and Molecular Medicine | 1.267 | 47 | 74 | 36.49% | Medicine, Research & Experimental |
| Family Medicine | 1.231 | 34 | 107 | 68.22% | Medicine, General & Internal |
| International Journal of Molecular Medicine | 2.063 | 25 | 74 | 66.22% | Medicine, Research & Experimental |
| International Journal of Oncology | 2.931 | 31 | 113 | 72.57% | Oncology |
| Israel Medical Association Journal | 0.412 | 76 | 107 | 28.97% | Medicine, General & Internal |
| Japanese Heart Journal | 0.398 | 64 | 66 | 3.03% | Cardiac & Cardiovascular Systems |
| Japanese Journal of Infectious Diseases | 0.306 | 37 | 38 | 2.63% | Infectious Diseases |
| Japanese Journal of Pharmacology | 1.230 | 116 | 187 | 37.97% | Pharmacology & Pharmacy |
| Journal of Clinical Investigation | 14.051 | 3 | 74 | 95.95% | Medicine, Research & |

 

| Medicine | | | | | |
|---|---|---|---|---|---|
| Title | IF | rank | total in cat | %ile | Category Name |
| | | | | | Experimental |
| Journal of Health Science | 0.754 | 61 | 75 | 18.67% | Toxicology |
| Journal of Korean Medical Science | 0.372 | 82 | 107 | 23.36% | Medicine, General & Internal |
| Journal of Nephrology | 0.971 | 30 | 47 | 36.17% | Urology & Nephrology |
| Journal of Occupational Health | 1.067 | 49 | 90 | 45.56% | Public, Environmental & Occupational Health |
| Journal of Pharmacological Sciences | N/A | | 92 | | Pharmacology & Pharmacy |
| Journal of Pharmacy and Pharmaceutical Sciences | 1.515 | 96 | 187 | 48.66% | Pharmacology & Pharmacy |
| Journal of Physiology and Pharmacology | 1.406 | 44 | 73 | 39.73% | Physiology |
| Journal of Psychiatry & Neuroscience | 2.672 | 26 | 88 | 70.45% | Psychiatry |
| Journal of Rehabilitation Research and Development | 0.866 | 14 | 26 | 46.15% | Rehabilitation |
| Journal of the American Board of Family Practice | N/A | | 107 | | Medicine, General & Internal |
| Journal of Vision | N/A | | 41 | | Ophthalmology |
| Korean Journal of Radiology | N/A | | 81 | | Radiology, Nuclear Medicine & Medical Imaging |
| Malaria Journal | N/A | | 12 | | Tropical Medicine |
| Mayo Clinic Proceedings | 2.868 | 14 | 107 | 86.92% | Medicine, General & Internal |
| Medical Journal of Australia | 1.673 | 26 | 107 | 75.70% | Medicine, General & Internal |
| Memorias do Instituto Oswaldo Cruz | 0.635 | 8 | 12 | 33.33% | Tropical Medicine |
| Molecular Vision | 2.625 | 4 | 41 | 90.24% | Ophthalmology |
| Mount Sinai Journal of Medicine | 1.035 | 39 | 107 | 63.55% | Medicine, General & Internal |
| Neurology India | 0.257 | 178 | 197 | 9.64% | Neurosciences |
| Oncologist | N/A | | 113 | | Oncology |
| Oncology Reports | 1.171 | 89 | 113 | 21.24% | Oncology |
| Orthopedics | 0.267 | 37 | 42 | 11.90% | Orthopedics |
| Physician and Sportsmedicine | 0.492 | 46 | 60 | 23.33% | Sport Sciences |
| Physiological Research | 0.984 | 56 | 73 | 23.29% | Physiology |
| Polish Journal of Pharmacology | 0.684 | 152 | 187 | 18.72% | Pharmacology & Pharmacy |
| Respiratory Research | N/A | | 32 | | Respiratory System |
| Scottish Medical Journal | 0.164 | 103 | 107 | 3.74% | Medicine, General & Internal |
| Swiss Medical Weekly | 0.770 | 50 | 107 | 53.27% | Medicine, General & Internal |
| Texas Heart Institute Journal | 0.430 | 62 | 66 | 6.06% | Cardiac & Cardiovascular Systems |
| Turkish Journal of Pediatrics | 0.340 | 65 | 68 | 4.41% | Pediatrics |
| World Journal of Gastroenterology | 2.532 | 13 | 45 | 71.11% | Gastroenterology & Hepatology |
| Yakugaku Zasshi-Journal of the Pharmaceutical Society Of Japan | 0.419 | 172 | 187 | 8.02% | Pharmacology & Pharmacy |
| Yonsei Medical journal | 0.565 | 67 | 107 | 37.38% | Medicine, General & Internal |

 

| Life Sciences | | | | | |
|---|---|---|---|---|---|
| Title | IF | rank | total in cat | %ile | Category Name |
| Acta Biochimica Polonica | 0.600 | 236 | 264 | 10.61% | Biochemistry & Molecular Biology |
| Acta Botanica Sinica | 0.376 | 107 | 135 | 20.74% | Plant Sciences |
| Acta Histochemica et Cytochemica | 0.456 | 142 | 151 | 5.96% | Cell Biology |
| Acta Neurobiologiae Experimentalis | 0.910 | 152 | 197 | 22.84% | Neurosciences |
| Acta Veterinaria Brno | 0.370 | 79 | 129 | 38.76% | Veterinary Sciences |
| Anais da Academia Brasileira de Ciencias | 0.469 | 22 | 48 | 54.17% | Multidisciplinary Sciences |
| Applied Entomology and Zoology | 0.422 | 42 | 64 | 34.38% | Entomology |
| Arquivo Brasileiro de Medicina Veterinaria e Zootecnia | 0.116 | 112 | 129 | 13.18% | Veterinary Sciences |
| Avian Diseases | 1.151 | 25 | 129 | 80.62% | Veterinary Sciences |
| Bioscience Biotechnology and Biochemistry | 0.992 | 29 | 92 | 68.48% | Food Science & Technology |
| Biotechnology and Development Monitor | 0.063 | 127 | 131 | 3.05% | Biotechnology & Applied Microbiology |
| BMC Bioinformatics | N/A | | 46 | | Biochemical Research Methods |
| BMC Biotechnology | N/A | | 131 | | Biotechnology & Applied Microbiology |
| BMC Cell Biology | N/A | | 151 | | Cell Biology |
| BMC Evolutionary Biology | N/A | | 30 | | Evolutionary Biology |
| BMC Genetics | N/A | | 114 | | Genetics & Heredity |
| BMC Genomics | N/A | | 114 | | Genetics & Heredity |
| BMC Microbiology | N/A | | 82 | | Microbiology |
| BMC Molecular Biology | N/A | | 264 | | Biochemistry & Molecular Biology |
| BMC Neuroscience | N/A | | 197 | | Neurosciences |
| Brazilian Archives of Biology and Technology | 0.147 | 58 | 63 | 7.94% | Biology |
| Brazilian Journal of Microbiology | 0.134 | 80 | 82 | 2.44% | Microbiology |
| Breeding Science | 0.524 | 29 | 55 | 47.27% | Agronomy |
| Cell Research | 1.958 | 84 | 151 | 44.37% | Cell Biology |
| Cell Structure and Function | 0.872 | 129 | 151 | 14.57% | Cell Biology |
| Cellular & Molecular Biology Letters | 0.651 | 232 | 264 | 12.12% | Biochemistry & Molecular Biology |
| Electronic Journal of Biotechnology | N/A | | 131 | | Biotechnology & Applied Microbiology |
| Experimental Animals | 0.642 | 55 | 129 | 57.36% | Veterinary Sciences |
| Fishery Bulletin | 0.934 | 17 | 37 | 54.05% | Fisheries |
| Florida Entomologist | 0.309 | 49 | 64 | 23.44% | Entomology |
| Genes & Genetic Systems | 0.978 | 207 | 264 | 21.59% | Biochemistry & Molecular Biology |
| Genetics and Molecular Biology | 0.260 | 108 | 114 | 5.26% | Genetics & Heredity |
| Japanese Journal of Applied Entomology and Zoology | 0.310 | 48 | 64 | 25.00% | Entomology |
| Japanese Journal of Physiology | 1.117 | 53 | 73 | 27.40% | Physiology |
| Journal of Biochemistry and Molecular Biology | 0.961 | 208 | 264 | 21.21% | Biochemistry & Molecular Biology |
| Journal of Bioscience and Bioengineering | 0.777 | 38 | 92 | 58.70% | Food Science & Technology |
| Journal of Biosciences | 0.606 | 41 | 63 | 34.92% | Biology |
| Journal of Pesticide Science | 0.231 | 58 | 64 | 9.38% | Entomology |
| Journal of Radiation Research | 1.934 | 15 | 63 | 76.19% | Biology |
| Journal of Veterinary Medical Science | 0.496 | 68 | 129 | 47.29% | Veterinary Sciences |
| Microbiology and Immunology | 1.170 | 55 | 82 | 32.93% | Microbiology |
| Pesquisa Agropecuaria Brasileira | 0.133 | 24 | 28 | 14.29% | Agriculture, Multidisciplinary |
| | | | | | |

 

**Life Sciences**

| Title | IF | rank | total in cat | %ile | Category Name |
|---|---|---|---|---|---|
| Pesquisa Veterinaria Brasileira | 0.288 | 88 | 129 | 31.78% | Veterinary Sciences |
| PLOS Biology | N/A | | 63 | | Biology |
| Productions Animales | 0.107 | 116 | 129 | 10.08% | Veterinary Sciences |
| Revista Brasileira de Ciencia do Solo | N/A | | 29 | | Agriculture, Soil Science |
| Revista Brasileira de Zootecnia-Brazilian Journal of Animal Science | 0.389 | 77 | 129 | 40.31% | Veterinary Sciences |
| South African Journal of Animal Science | 0.381 | 29 | 42 | 30.95% | Agriculture, Dairy & Animal Science |
| Veterinarni medicina | 0.204 | 100 | 129 | 22.48% | Veterinary Sciences |
| Zoosystema | N/A | | 109 | | Zoology |

 

| Engineering & Mathematics | | | | | |
|---|---|---|---|---|---|
| Title | IF | rank | total in cat | %ile | Category Name |
| Annales Academiae Scientiarum Fennicae-Mathematica | 0.339 | 114 | 168 | 32.14% | Mathematics |
| Annals of Mathematics | 1.905 | 3 | 168 | 98.21% | Mathematics |
| Bulletin of Materials Science | 0.340 | 128 | 173 | 26.01% | Materials Science, Multidisciplinary |
| Bulletin of the American Mathematical Society | 1.824 | 4 | 168 | 97.62% | Mathematics |
| Electronic Transactions on Numerical Analysis | N/A | | 156 | | Mathematics, Applied |
| E-polymers | N/A | | 74 | | Polymer Science |
| ETRI Journal | 1.214 | 8 | 53 | 84.91% | Telecommunications |
| Fibres & Textiles in Eastern Europe | 0.148 | 16 | 17 | 5.88% | Materials Sciences, Textiles |
| IBM Journal of Research and Development | 3.700 | 1 | 46 | 97.83% | Computer Science, Hardware & Architecture |
| Journal of Artificial Intelligence Research | 0.933 | 26 | 74 | 64.86% | Computer Science, Artificial Intelligence |
| Journal of Lie Theory | 0.435 | 82 | 168 | 51.19% | Mathematics |
| Journal of Machine Learning Research | 3.818 | 1 | 74 | 98.65% | Computer Science, Artificial Intelligence |
| Journal of Nuclear Science and Technology | 0.572 | 16 | 33 | 51.52% | Nuclear Science & Technology |
| Journal of Research of the National Institute of Standards and Technology | 0.766 | 10 | 61 | 83.61% | Engineering, Multidisciplinary |
| Journal of the Society of Rheology Japan | 0.224 | 91 | 102 | 10.78% | Mechanics |
| JSME International Journal Series A-Solid Mechanics and Material Engineering | 0.277 | 67 | 102 | 34.31% | Engineering, Mechanical |
| JSME International Journal Series B-Fluids and Thermal Engineering | 0.199 | 78 | 102 | 23.53% | Engineering, Mechanical |
| JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing | 0.141 | 89 | 102 | 12.75% | Engineering, Mechanical |
| MRS Internet Journal of Nitride Semiconductor Research | 1.327 | 38 | 173 | 78.03% | Materials Science, Multidisciplinary |
| Optical Review | 0.538 | 38 | 54 | 29.63% | Optics |
| Optics Express | 2.331 | 8 | 54 | 85.19% | Optics |
| Pacific Journal of Mathematics | 0.467 | 74 | 168 | 55.95% | Mathematics |
| Polymer Journal | 0.881 | 31 | 74 | 58.11% | Polymer Science |
| Sadhana-Academy Proceedings in Engineering Sciences | 0.113 | 53 | 61 | 13.11% | Engineering, Multidisciplinary |
| Sensors | N/A | | 52 | | Instruments & Instrumentation |
| Taiwanese Journal of Mathematics | 0.364 | 107 | 168 | 36.31% | Mathematics |

 

| Arts & Humanities | | | | | |
|---|---|---|---|---|---|
| Title | IF | rank | total in cat | %ile | Category Name |
| American Journal of Archaeology | N/A | N/A | N/A | N/A | Archaeology |
| Biblica | N/A | N/A | N/A | N/A | Religion |

| Social Sciences | | | | | |
|---|---|---|---|---|---|
| Title | IF | rank | total in cat | %ile | Category Name |
| Anthropological Science | 0.471 | 25 | 53 | 52.83% | Anthropology |
| Dados-Revista de Ciencias Sociais | 0.217 | 43 | 56 | 23.21% | Social Sciences, Interdisciplinary |
| Duke Law Journal | N/A | 20 | 102 | 80.39% | Law |
| IMF Staff Papers | 0.393 | 108 | 166 | 34.94% | Economics |
| Information Research-An International Electronic Journal | N/A | | 55 | | Information Science & Library Science |
| Irish Journal of Psychological Medicine | N/A | | 102 | | Psychology, Multidisciplinary |
| JASSS-The Journal Of Artificial Societies and Social Simulation | N/A | | 56 | | Social Sciences, Interdisciplinary |
| Minerva | 0.486 | 29 | 56 | 48.21% | Social Sciences, Interdisciplinary |
| Psycoloquy | N/A | | 102 | | Psychology, Multidisciplinary |

 