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# A Bibliometric Study of Irish Health Research in an International Context

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**Health Research Board 2007**



**Improving people's health through research and information**

## **Acknowledgements**

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## Foreword

There have been profound changes in the national research landscape in recent years. One of these changes is the improved environment for health research in Ireland. The Health Research Board has played an important role in this transformation. Since the turn of the new millennium, the pool of available resources for health researchers in Ireland has grown considerably, due in large part to increased support from the HRB and the availability of other funding sources, most notably the Higher Education Authority and Science Foundation Ireland.

The HRB has invested in a world-class health research environment in two main ways. First, it has increased its funding for research of scientific excellence to underpin health through the long-standing project and programme grant schemes, as well as through some new funding initiatives. Second, it has invested substantial funding strategically to build much needed health research capacity: by creating the structures that enable health professionals to develop a career in research, by investing in the infrastructure to support clinical trials, by investing in clinical research centres and imaging facilities to name but a few important examples. The HRB believes that this investment will yield major dividends in the years ahead.

Mindful that the aforementioned investments in world-class health research capacity will take time to come to fruition, the HRB nevertheless asked the question: given the increased investment in the Irish health research system in recent years, is there evidence of a concomitant increase in the quantity and quality of the national health research bibliometric output in relation to international standards? To answer this question, the HRB commissioned a large-scale bibliometric analysis of Irish health-related publications in the period 1999-2005. The results of the analysis are set out in this report and, encouragingly, the picture is very positive - Irish health research papers published in the period 1999-2005 have an impact that is significantly above worldwide average, and above the EU-25 average. While comparisons with a previous analysis carried out in 1999 are limited because of the evolution of bibliometric indicators since that time, the data in this report show a progressive trend upwards in both the output and impact of Irish publications since 1999.

The HRB takes great encouragement from the findings of this report which add impetus to our mission to improve health through research and information. We will continue to enable a world-class health research environment by supporting scientific excellence for health and by increasing the capacity of our health system and its people to conduct high-quality research. And to ensure we keep on the right track, we will monitor the performance of the Irish bibliometric output in relation to health research by repeating the analysis on a three-yearly basis. I am confident that the results of this report will enhance Ireland's reputation as a world-leading location for important fields of health research.

Finally, I would like to acknowledge the CIRCA Group and the CWTS, University of Leiden for the quality and presentation of the analysis in relation to this important study.

Ruth Barrington, PhD  
Chief Executive  
Health Research Board



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## ***Executive Summary***

In this study, we compare the output and related impact of publications in the field of health research from the Republic of Ireland to international benchmarks. Comparison is made with Finland, the UK and the USA, and also with the regional output of the EU-25 countries grouped together. The domain of health research in this study consists of four major fields, namely Basic Medical Sciences, Clinical Medicine, Clinical-Experimental Basic Medicine, and Health Sciences. These four fields comprise a series of sub-fields, and are made up of groupings of journals which publish articles in these areas of research. These groupings have been defined by the well-known international citation indexes produced by the former Institute for Scientific Information (ISI), known nowadays as Thomson Scientific.

The study is based on a quantitative analysis of scientific articles published in journals processed for the internet version of the **Science Citation Index Expanded (SCI)**, the **Social Science Citation Index (SSCI)**, and the **Arts & Humanities Citation Index (A&HCI)**, better known as the **Web of Science (WoS)**.

When we consider the total Irish output for all fields of health research combined, we observe that it is increasing in terms of the number of publications, and that this pace is faster than that of the comparator countries and larger regions. The impact of Irish health research, expressed in mean impact scores, has increased over the period 1999-2005. Compared to a world standard, Ireland is steadily improving its position, and has now reached a status where Irish health researchers are active at roughly the worldwide average impact level.

The fields in which Ireland is performing most strongly are Clinical Medicine and Clinical-Experimental Basic Medicine. Here we find an increase in output of publications, in combination with an increase in impact level, which is up to 10% above worldwide average field impact level (for the former field). In Clinical-Experimental Basic Medicine, Irish output is up to 20 per cent above worldwide average field impact level. The output of the other two fields, Basic Medical Sciences and Health Sciences, is relatively stable, while the impact of the latter field has decreased over the period 1999-2005.

In general, we observe that Ireland does not equal the impact levels generated by the countries selected for benchmarking, although the position is improving. However, when compared with the EU-25, we observe that Ireland is performing better than the EU-25 average impact level in three of the four fields of health research, with Health Sciences as the only field in which the EU-25 performs better than Ireland.



Sub-fields in which Ireland is performing above worldwide average impact level are:

- Cardiac & cardiovascular systems
- Dermatology
- Gastroenterology
- Immunology
- Obstetrics & gynecology
- Clinical neurology
- Peripheral vascular diseases
- Rheumatology
- Transplantation
- Veterinary sciences

In all these sub-fields, we find field-normalized impact scores that are roughly 30 per cent above worldwide average level.

# 1. Introduction

Below we present the results of a bibliometric analysis of the health research output and impact of Ireland, in an international context, over the period 1999 to 2005. The current analysis focuses on the output and impact of the country, comparing it with a number of other regions (the UK, Finland, the USA, and the EU-25), for a number of aggregation levels (main field, sub-fields, and fields represented by Journal Subject Categories).

The study is based on a quantitative analysis of scientific articles published in journals and serials processed for the internet version of the Science Citation Index and associated indices, the Web of Science (WoS). It assesses the publication output and impact of Ireland-based health researchers by using bibliometric techniques.

The methodology applied in this study is similar to the one adopted in earlier studies on the national level, like those used for the Dutch government (the Dutch Observatory of Science & Technology, NOWT, see [www.nowt.nl](http://www.nowt.nl)) and the European Commission (the contribution of CWTS to the Third European Report on Science & Technology). In this section the process of data collection, the methodology applied and its theoretical background will be briefly summarised.

Chapter 2 gives the main lines of data collection, while in Chapter 3 the various indicators applied in this study are described. Chapter 4 presents the results for Irish health research and the comparator countries. Chapter 5 contains a discussion and concluding remarks concerning the results of the bibliometric analysis of Irish health research publications.

## **2. Data collection**

The process of data-collection for this study was carried out according to the following lines. From the large in-house data-system that consists of the WoS, mentioned in the Introduction, we collected all publications from Ireland as well as from three other countries (Finland, United Kingdom and the USA) and one region (EU-15). These four countries / region served as the benchmark for comparison of the Irish research performance over the period 1999-2005. Next, we collected all publications labelled as 'medicine'. This is considered the main field in this study. Next, the main field is split up into four sub-fields (Basic Medical Sciences, Clinical Medicine, Clinical-Experimental Basic Medicine, and Health Sciences), following the classification scheme applied in a similar study for the Dutch Observatory of Science & Technology. Finally, the fields consist of so-called Journal Subject Categories. This is a classification of journals by the producer of the citation indexes, ISI Thomson Scientific.

### 3. Methodology

#### 3.1 Output and impact indicators

We calculated the following indicators. The numbering of the indicators corresponds to the position these indicators have in the data tables.

The *first* indicator is the total number of papers published by a group during the entire period (*P*). We considered only *normal articles, letters, notes, and reviews*. Meeting abstracts, corrections and editorials are *not* included. In a few cases we found papers published in a journal for which no citation data is available, or in a journal that is not assigned to any field of science<sup>1</sup>. Such papers are not considered in the calculation of the indicators. The *second* indicator concerns the total number of citations received (*C+sc*), including self-citations. A self-citation to a paper is a citation given in a publication of which at least one of the authors (either first author or a co-author) is also an author of the cited paper (again either first author or a co-author). The *third* and *fourth* indicators indicate the average number of citations per publication calculated corrected for self-citations (*CPP*) and including self-citations (*CPP+sc*). The *fifth* indicator is the percentage of articles *not cited* during the time period considered, self-citations excluded (*Pnc*).

A next indicator is the mean (world-wide) citation rate of the journals in which the institute/group has published (*JCSm*, the mean **J**ournal **C**itation **S**core), taking into account the type of paper (e.g., normal article, review) as well as the years in which the institute/group's papers were published. For instance, the number of citations received in 1999-2002 by a *letter* published by an institute/group in 1999 in journal X, is compared to the average number of citations received during the *same* period (1999-2002) by *all letters* published in the *same* journal (X) in the *same* year (1999). Generally, an institute/group publishes its papers in several journals rather than one. Therefore, we calculated a weighted average *JCS* indicated as *JCSm*, with the weights determined by the number of papers published in each journal.

A further indicator represents the mean citation rate of the fields in which the institute/group is active (*FCSm*, the mean **F**ield **C**itation **S**core). Our definition of sub-fields is based on a classification of scientific journals into *categories* developed by ISI. Although not perfect, it is at present the only classification that can be automated consistently in our data-system. In calculating *FCSm*, we used the same procedure as for the calculation of *JCSm*, with journals replaced by fields. In most cases, an institute/group is active in more than one field of science. In

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<sup>1</sup>Fields of sciences are determined by the ISI classification of journals in so-called Journal Subject Categories. Field-specific impact scores are calculated on the basis of this classification scheme.

those cases, we calculate a weighed average value, the weights being determined by the total number of papers the institute/group has published in each field.

Thus, *JCSm* and *FCSm* are 'intermediate' statistics and are not printed in the data-tables. These indicators constitute an international average of a specific combination of journals or fields, respectively. In this way, we can obtain an indication of the international position of a research institute/group, in terms of its impact compared to a 'world' average (fields of science are defined as sets of journals, the ISI 'journal categories'). This is done in the *sixth* and *seventh* indicators. Here we compare the average number of citations of an institute/group's oeuvre (*CPP*) to the relevant journal and field mean citation scores (*JCSm* and *FCSm*, respectively), by calculating the ratio for both.

If the ratio *CPP/JCSm* is above 1.0, the mean impact of an institute/group's papers exceeds the mean impact of all articles published in the journals in which the particular institute/group has published its papers. And similarly, if the ratio *CPP/FCSm* is above 1.0, the institute/group's oeuvre is cited more frequently than an 'average' publication in the field(s) in which the institute/group is active. About 80 percent of all indexed papers are authored by scientists from the United States, Canada, Western Europe, and Japan. Therefore, the 'world' average is dominated by the Western world.

The *eighth* indicator of our standardised set of bibliometric indicators is *JCSm/FCSm*. If the value of this indicator is above 1.0, the mean citation score of the journals in which the institute/group has published exceeds the mean citation score of all papers published in the field(s) to which the journals belong.

We applied a statistical test developed by Glänzel (1992). With this test we establish whether the average impact of an institute/group's oeuvre (*CPP*) differs significantly from the average impact of all papers in the institute/group's journals (*JCSm*), or from the world citation average (*FCSm*) in the field(s) in which the institute/group is active. We refer to Appendix I for a short explanation (further details in Schubert and Glänzel, 1983; Glänzel, 1992). If an institute/group has a citation per publication ratio (*CPP*) significantly above (or below) the average field (*FCSm*) or journal citation score (*JCSm*), this is indicated in the tables by means of a '+' (or '-') symbol directly after the numerical value of the indicators *CPP/FCSm* and *CPP/JCSm*. The symbol '?' can appear in the tables if the number of publications becomes too small for a valid interpretation, while yet another reason can be the fact that all publications get cited (which is 'unexpected', given the skew distributions of citations over publications).

The *ninth* indicator is the percentage of self-citations (**% *Selfcits***), relative to the total number of citations received. The percentage of self-citations to an institute/group's oeuvre is influenced by a number of factors. Important factors are: research field; type of articles; age distribution of the articles published by an institute/group; size of the institute/group and number of articles published by the institute/group; and the extent to which the papers published by an institute/group are cognitively related.

### 3.2 Top research

Next, we present additional indicators, which relate to a separate analysis that has been developed to measure the absolute and relative contribution to the 20 / 10 / 5 / 2 / 1 per cent most frequently cited research papers worldwide. In this study, the focus will be on the contribution by the selected countries to the top five per cent. Contrary to **CPP/JCSm** and **CPP/FCSm**, this analysis is not based on average citation scores but on the ranking of individual research papers according to their impact. In this particular analysis, the rank of each paper is based on the number of citations received up to four years after publication. Because the citation window was set at a fixed length of four years, the analysis only involves papers published during the time period 1999 – 2002 (as we can not yet analyse the papers published in 2003, 2004, and 2005 with an equally long citation window). Moreover, letters were excluded from this analysis. Thus, the *tenth* indicator, **P 99 – 02**, which relates to this specific analysis, is the number of review articles and normal articles published by a country during the time period 1999 - 2002. The *eleventh* indicator, **Ptop** is the absolute number of papers that are among the five per cent most frequently cited of all 'similar' papers in the field(s) concerned. We define 'similar' papers in the same way as we did for the calculation of the **FCSm** values, taking into account the field and year in which the paper was published, and document type. **E(Ptop)**, the *twelfth* indicator, is the expected number of highly cited papers given the number of papers published by the research group. This indicator may reflect deviations from the respective percentile due to tied values caused by the discrete nature of the impact distribution. Finally, the *thirteenth* indicator, **A/E(Ptop)**, marks the relative contribution to the upper percentile of the citation distribution. It is calculated as the ratio of the actual number and the expected number of research papers that belong to the top five per cent most frequently cited papers.

### 3.3 Basic elements of bibliometric analysis

All the above discussed indicators are important in a bibliometric analysis as they relate to different aspects of publication and citation characteristics. Generally, we consider *CPP/FCSm* as our 'crown' indicator. This indicator relates the measured impact of a research group or institute to a worldwide, field-specific reference value. Therefore, it is a powerful internationally standardised impact indicator. This indicator enables us to observe immediately whether the performance of a research group or institute is significantly far below (indicator value  $<0.5$ ), below (indicator value =  $0.5 - 0.8$ ), about the same ( $0.8 - 1.2$ ), above ( $1.2 - 2.0$ ), or far above ( $>2.0$ ) the international (i.e. Western-world-dominated) impact standard of the field.

We stress however that the meaning of the numerical value of the indicator is related to the aggregation level of the entity under study. So it is necessary to give some 'exegesis' of the 'crown' indicator. The higher the aggregation level, the larger the volume in publications and the more difficult it is to have an average impact significantly above the international level. At the 'meso-level' (e.g., a large institute, or faculty, with about 500 – 1,000 publications per year), a *CPP/FCSm* value above 1.2, such as in this case, means that the institute's impact as a whole is significantly above (Western-) world average. The institute can be considered as a scientifically strong organization, with a high probability that it contains very good to excellent groups. Therefore, it is important to split up large institutes into smaller groups. Only this allows a more precise assessment of research performance. Otherwise, excellent work will be 'hidden' within the bulk of a large institute or faculty.

This bibliometric analysis relates to journal articles published during the period 1999 - 2005. Actually, these are 'database' years: papers are included for the year in which they were processed by the Citation Indices. Due to a time lag in processing of articles by ISI, we include 'late' papers from 1998, but at the other end, 'late' papers from 2005 will not be included.

For the output of Ireland and benchmark countries, we applied the following methodology. Next to an overall analysis of the 1999 – 2005 Irish output and impact data, we also conducted a trend analysis of the main indicators calculated for 'overlapping' four-year periods.

The first line presents the overall results for the bibliometric indicators for the period 1999 - 2005. This means that for publications from each of the publication years (1999 - 2005), citations

are counted up to and including 2005. For example, a seven year citation window is used for papers published in 1999, and a three year citation window for papers published in 2003.

A similar method has been applied to the four-year periods between 1999 - 2002 and 2002 - 2005 (four blocks in total). To facilitate comparison between periods, citations were counted for the same number of years. If we take the 1999 - 2002 four-year period as an example, this means that for publications from 1999, citations are counted during 1999 - 2002 (but *not* during 2003 - 2005), for publications from 2000 citations are counted in 2000 - 2002, for 2001 publications citations from 2001 - 2002, and for 2002 publications, only citations from 2002 are taken into account.

In this type of trend analysis, the absolute number of publications and citations is evidently lower than in a longer-term timeframe. The number of publications and citations observed in this type of analysis does not correspond to the numbers found in the overall, ten-year period of analysis. Furthermore, the numbers of 'papers not cited' and the percentage of self-citations are generally higher in the four-year period of analysis as compared to the ten-year period of analysis. This relates to a more 'mature' nature of the research in the ten-year period; in general, within longer citation timeframes, more scientific papers get cited eventually. Consequently, scientists tend to cite their own research in the short term more often, while the share of external citations increases in time. This causes the percentage of self-citations to decrease with the longer applied citation windows.

To reiterate, in this study we have included publications over the period 1999 - 2005. This covers the so-called database years, that is, the formal years in which publications were processed for the citation indexes, contrary to an approach in which the publication year could be the leading principle. The main advantage for applying the database year approach is found in the formal closing of the year, after which statistics can be calculated. The approach based on publication years suffers from additional publications that are entered into the database with every update of that database (every database year contains roughly 10-15 per cent of publications of the previous years, of which 10 per cent or 66 per cent of the total set come from the previous two years). As this creates continuously changing sets with reference values for journal and field average impact scores, CWTS bases its analyses on the database years.



## Overview of bibliometric indicators

<i>P</i>	Number of articles (normal articles, letters, notes and reviews) published in journals processed for the CD-ROM version of the ISI's Citation Indexes (CI).
<i>C</i>	Number of citations recorded in CI journals to all articles involved. Self-citations are excluded.
<i>C+sc</i>	Number of citations recorded in CI journals to all articles involved. Self-citations are included.
<i>CPP</i>	Average number of citations per publication, or citation per publication ratio. Self-citations are excluded.
<i>Pnc</i>	Percentage of articles not cited during the time period considered.
<i>JCSm</i>	Average citation rate of all articles published in the journals in which an institute/group has published (excluding self-citations, not printed in the data-tables).
<i>FCSm</i>	Average citation rate of all articles in the (sub) fields in which the institute/group is active. Also indicated as the world citation average in those fields. Fields are defined by means of ISI journal categories (excluding self-citations, not printed in the data-tables).
<i>CPP/FCSm</i>	Impact of an institute/group's articles, compared to the world citation average in the (sub) fields in which the institute/group is active. A '+' (or '-') symbol behind the numerical value indicates that the impact of the institute/groups' articles is significantly above (or below) world average.
<i>CPP/JCSm</i>	Impact of an institute/group's articles, compared to the average citation rate of the institute/group's journals. A '+' (or '-') symbol behind the numerical value indicates that the impact of the institute/group's articles is significantly above (or below) the average citation rate of the journals concerned.
<i>JCSm/FCSm</i>	Impact of the journals in which an institute/group has published, compared to the world citation average in the fields covered by these journals.
<i>% SELFCITS</i>	Percentage of self-citations. A self-citation is defined as a citation in which the citing and the cited paper have at least one author in common (first author or co-author).
<i>P 99-02</i>	Number of articles (normal articles and reviews) published in journals processed for the WoS version of the ISI's Citation Indexes (CI) in the period 1999-2002.
<i>P top</i>	The absolute number of papers that are among the 5 per cent most frequently cited of all similar papers in the period 1999-2002.
<i>E (P top)</i>	The expected number of papers amongst the top 5 per cent, based on the number of papers published by the research group in the period 1999-2002.
<i>A/E (P top)</i>	Indicates the relative contribution of a group to the upper percentiles of the citation distribution in the period 1999-2002.

## 4. Results

In tables 4.1 and 4.2, we present the data for the countries and one region for the overall health research field (Table 4.1), and the sub-fields (Table 4.2). Data on the level of Journal Subject Categories are shown in Appendix III, due to the large volume of data involved. Ireland produced 8,771 publications in the period 1999-2005 in health-related research. This output is cited 62,515 times in total, which means on average 7.13 times per paper, corrected for self-citations 5.92 times. This impact level compares very well with both the journals and the field average impact level (with *CPP/JCSm* of 1.14 and *CPP/FCSm* of 1.08). The output is published in journals that are roughly on field impact level. The trend analysis shows that the Irish output is increasing, and papers are getting cited 'better', that is, higher on average. Compared to reference values *JCSm* and *FCSm*, the Irish output is high compared to the journals, and fluctuating when compared to the field.

Compared to the EU-25, Ireland is performing better on *CPP/JCSm* and *CPP/FCSm* than the Union overall performs in those fields combined. Finland has a larger output than Ireland has, and performs somewhat better in terms of impact scores on *CPP/JCSm* and *CPP/FCSm*. One possible explanation for this is the choice among Finnish researchers of journals with a somewhat higher impact compared to those that Irish researchers select. Another difference is found in the larger share of the Finnish output that gets cited at all (64 per cent for Ireland against 74 per cent for Finland). For the UK we observe a similar situation as for Finland, albeit that the output is much larger. The impact scores are roughly at the same level as that of Finland, and thus higher than the impact scores observed for Ireland. Finally, for the USA we found impact scores much higher than those of Ireland. The high level of impact scores is realized against a background of a large output, which makes it more difficult to obtain very high impact scores.

**Table 4.1 Bibliometric statistics of Ireland and benchmarks, for all health research combined, 1999-2005**

**Health research as a whole / Ireland**

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
<b>1999 - 2005</b>	<b>8,772</b>	<b>62,515</b>	<b>7.13</b>	<b>5.92</b>	<b>36%</b>	<b>1.14 +</b>	<b>1.08 +</b>	<b>0.95</b>	<b>17%</b>
1999 - 2002	4,571	15,902	3.48	2.78	51%	1.18 +	1.09 +	0.93	20%
2000 - 2003	4,789	16,471	3.44	2.71	48%	1.08 +	1.02	0.95	21%
2001 - 2004	5,041	17,978	3.57	2.84	49%	1.09 +	1.04	0.95	20%
2002 - 2005	5,414	22,394	4.14	3.34	47%	1.16 +	1.13 +	0.97	19%

**Health research as a whole / EU-25**

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
<b>1999 - 2005</b>	<b>873,713</b>	<b>6,339,477</b>	<b>7.26</b>	<b>5.86</b>	<b>34%</b>	<b>1.02 +</b>	<b>0.96 -</b>	<b>0.94</b>	<b>19%</b>
1999 - 2002	484,295	1,655,128	3.42	2.63	50%	1.02 +	0.94 -	0.93	23%
2000 - 2003	492,463	1,780,553	3.62	2.81	49%	1.02 +	0.95 -	0.94	22%
2001 - 2004	492,621	1,844,904	3.75	2.92	47%	1.02 +	0.96 -	0.94	22%
2002 - 2005	509,002	2,033,329	3.99	3.14	46%	1.02 +	0.97 -	0.95	21%

### Health research as a whole / Finland

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
<b>1999 - 2005</b>	<b>23,380</b>	<b>230,519</b>	<b>9.86</b>	<b>7.92</b>	<b>26%</b>	<b>1.13 +</b>	<b>1.25 +</b>	<b>1.10</b>	<b>20%</b>
1999 - 2002	13,321	61,165	4.59	3.49	43%	1.12 +	1.23 +	1.09	24%
2000 - 2003	13,383	64,652	4.83	3.72	42%	1.14 +	1.24 +	1.09	23%
2001 - 2004	13,172	65,193	4.95	3.84	41%	1.15 +	1.25 +	1.09	22%
2002 - 2005	13,201	69,039	5.23	4.08	38%	1.13 +	1.26 +	1.11	22%

### Health research as a whole / UK

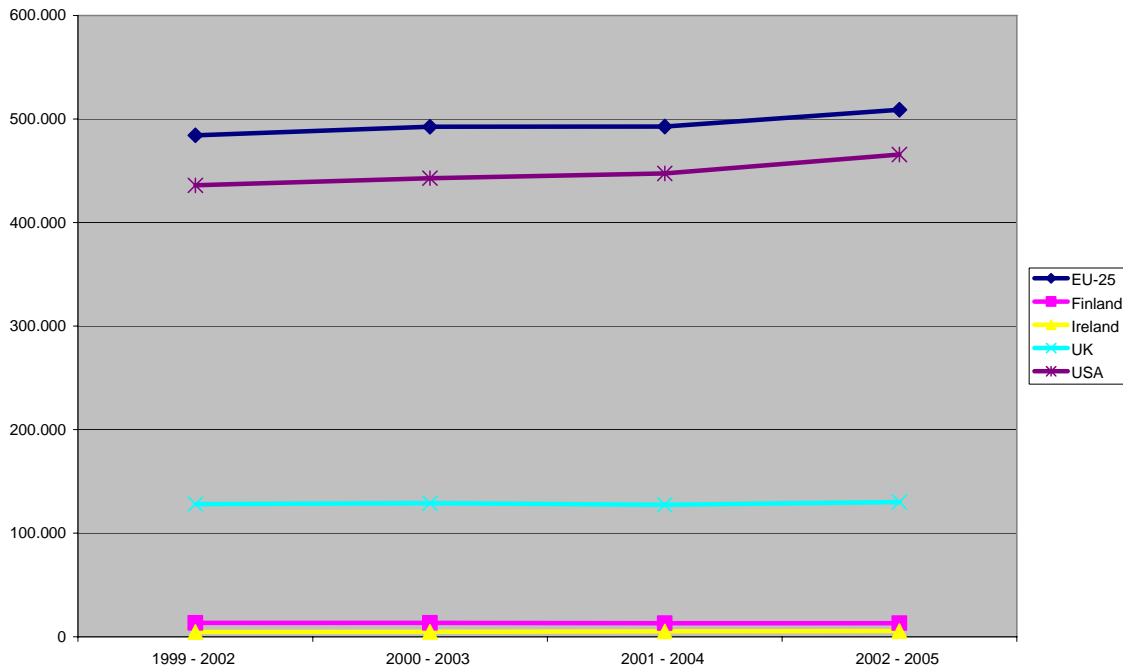
Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
<b>1999 - 2005</b>	<b>227,225</b>	<b>1,872,460</b>	<b>8.24</b>	<b>6.82</b>	<b>33%</b>	<b>1.09 +</b>	<b>1.17 +</b>	<b>1.07</b>	<b>17%</b>
1999 - 2002	128,089	492,004	3.84	3.04	48%	1.10 +	1.16 +	1.06	21%
2000 - 2003	129,051	527,742	4.09	3.26	47%	1.09 +	1.17 +	1.07	20%
2001 - 2004	127,330	542,209	4.26	3.41	46%	1.09 +	1.17 +	1.07	20%
2002 - 2005	130,038	599,727	4.61	3.72	44%	1.09 +	1.19 +	1.09	19%

Health research as a whole / USA

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Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
<b>1999 - 2005</b>	<b>793,783</b>	<b>7,821,379</b>	<b>9.85</b>	<b>8.21</b>	<b>29%</b>	<b>1.07</b> +	<b>1.32</b> +	<b>1.23</b>	<b>17%</b>
1999 - 2002	435,868	2,045,010	4.69	3.76	44%	1.07 +	1.33 +	1.23	20%
2000 - 2003	442,910	2,187,242	4.94	3.98	42%	1.07 +	1.33 +	1.23	19%
2001 - 2004	447,512	2,276,315	5.09	4.12	41%	1.07 +	1.33 +	1.23	19%
2002 - 2005	465,640	2,486,766	5.34	4.35	40%	1.07 +	1.33 +	1.23	18%

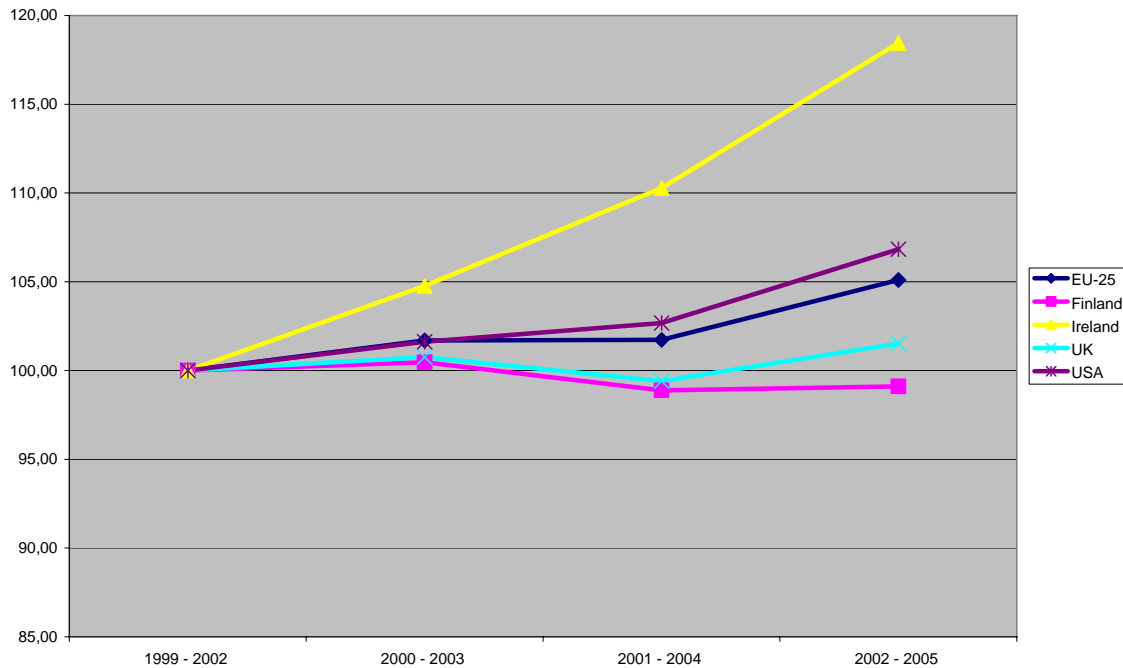
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**Figure 1 Output numbers in Health research, 1999-2005**

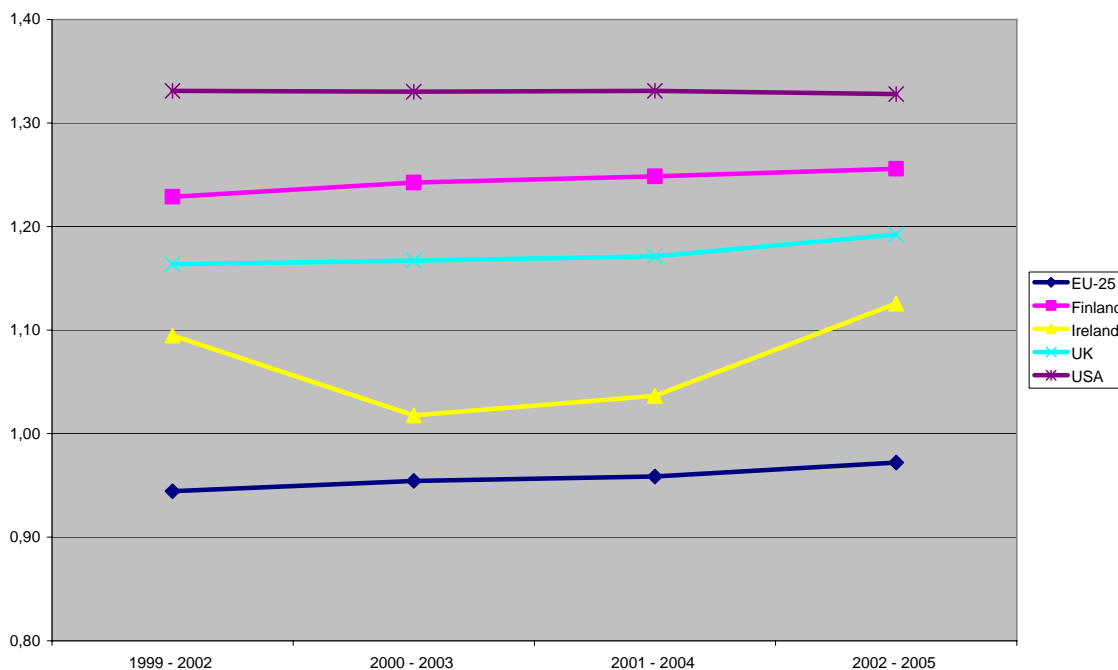
As Figure 1 summarizes the trend in output numbers for the four countries and one region, we observe large differences between the five, and changes in trends are difficult to distinguish. However, if we consider the period 1999-2002 as the starting point of this trend, and we observe the periodical changes by indexing the following year-blocks from the starting block onwards, we can see some significant changes taking place. This is presented in Figure 2.

Figure 2 displays the strong increase in the Irish output in health research between 1999 and 2005. This increase is visible, albeit to a much lesser extent for the USA and the EU-25. The UK fluctuates around a steady state, while the output of Finland shows an actual decrease in the period 1999 to 2005.



**Figure 2 Indexed changes in output numbers in Health Research 1999-2005**

In Figure 3, the field normalized impact scores (CPP/FCSm) are shown for the four countries and the one region. Here we find that the overall EU-25 impact is below worldwide average level, but is increasing. For Ireland we observe an initial drop in the level of impact, followed by a strong increase of the impact. This results in an impact that is somewhat lower than that of the UK, but is approaching this level rapidly. Finally, the impact of Finland and the USA remain at a high level (of 20 per cent and 30 per cent above worldwide average level, respectively).



**Figure 3 Field normalized impact scores in Health Research 1999-2005**

In **Table 4.2**, we see the results of the analysis on sub-field level. In Basic Medical Sciences, Ireland produced 287 papers between 1999 and 2005, which get cited 3.22 times externally. This is low, compared to journal and field impact level (as *CPP/JCSm* is 0.89 and *CPP/FCSm* is 0.76). The output is published in journals of average impact level. The output in this field is slowly increasing, while the impact generated by this output shows fluctuations.

In Clinical Medicine, Ireland produced 6,443 publications, which get cited 45,132 times in total. This output is cited on average 5.91 times, this is above worldwide average level for both journals and fields (with *CPP/JCSm* of 1.15 and *CPP/FCSm* of 1.10). In this sub-field, we observe an increase of the output as well as that of the impact related to that output. The impact is high when compared to journal average impact scores, and shows fluctuations when compared to the field average impact level. This output is published in journals with an average impact in their respective fields.

In Clinical-Experimental Basic Medicine we find 2,496 papers. This gets cited on average 6.99 times, this is above journal and field impact level. The trend analysis shows a slow increase in output numbers, combined with an increase in impact level. Both the *CPP/JCSm* and the



*CPP/FCSm* increase in time, and this is combined with a choice for journals of a somewhat higher impact level (as *JCSm/FCSm* increases from 0.9 to 1.0).

Finally, in Health Sciences we observe an increase in the output, but a fluctuating average impact. This fluctuation causes the *CPP/JCSm* and *CPP/FCSm* values to slowly decrease. The number of publications not cited is rather high in this sub-field (roughly between 55-60 per cent). The output is published in journals with an impact level somewhat below average field impact level.

**Table 4.2 Bibliometric statistics of Ireland and benchmarks for sub-fields of health research 1999-2005**

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
BASIC MEDICAL SCIENCES / Ireland									
1999 - 2005	287	1,221	4.25	3.22	43%	0.89	0.76	0.90	24%
1999 - 2002	125	252	2.02	1.34	55%	0.86	0.71	0.90	33%
2000 - 2003	151	271	1.79	1.24	61%	0.90	0.73	0.87	31%
2001 - 2004	177	371	2.10	1.38	67%	1.00	0.74	0.83	34%
2002 - 2005	196	518	2.64	1.97	53%	1.07	0.84	0.84	25%
BASIC MEDICAL SCIENCES / EU-25									
1999 - 2005	30,772	172,665	5.61	3.97	35%	0.96	0.84	0.91	29%
1999 - 2002	16,250	40,177	2.47	1.54	55%	0.95	0.79	0.88	38%
2000 - 2003	17,156	45,262	2.64	1.70	53%	0.94	0.80	0.89	36%
2001 - 2004	17,630	49,955	2.83	1.87	50%	0.95	0.81	0.90	34%
2002 - 2005	18,897	59,957	3.17	2.14	47%	0.95	0.82	0.90	33%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
BASIC MEDICAL SCIENCES / Finland									
1999 - 2005	665	3,821	5.75	3.77	36%	0.91	0.86	-	0.97 34%
1999 - 2002	353	872	2.47	1.48	54%	0.97	0.93		0.98 40%
2000 - 2003	383	1,016	2.65	1.61	57%	0.90	0.86		0.97 39%
2001 - 2004	386	1,059	2.74	1.49	51%	0.82	0.69	-	0.90 46%
2002 - 2005	411	1,373	3.34	1.90	50%	0.90	0.76	-	0.89 43%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
BASIC MEDICAL SCIENCES / UK									
1999 - 2005	6,611	43,638	6.60	5.00	31%	1.05	1.00	+	0.98 24%
1999 - 2002	3,625	10,536	2.91	1.99	51%	1.05	0.99		0.98 32%
2000 - 2003	3,717	11,398	3.07	2.16	48%	1.02	0.96		0.97 29%
2001 - 2004	3,829	12,334	3.22	2.29	47%	1.03	0.95		0.95 29%
2002 - 2005	3,942	13,567	3.44	2.48	43%	1.03	0.94	-	0.95 28%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
BASIC MEDICAL SCIENCES / USA									
1999 - 2005	27,384	191,454	6.99	5.32	31%	1.11 +	1.14 +	1.04	24%
1999 - 2002	14,080	46,044	3.27	2.29	48%	1.11 +	1.14 +	1.05	30%
2000 - 2003	14,832	50,732	3.42	2.43	47%	1.12 +	1.12 +	1.03	29%
2001 - 2004	15,776	55,423	3.51	2.48	45%	1.13 +	1.12 +	1.02	29%
2002 - 2005	16,927	65,515	3.87	2.80	42%	1.14 +	1.12 +	1.02	28%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
CLINICAL MEDICINE / Ireland									
1999 - 2005	6,443	45,132	7.00	5.91	36%	1.15 +	1.10 +	0.95	16%
1999 - 2002	3,417	11,546	3.38	2.76	52%	1.20 +	1.13 +	0.94	18%
2000 - 2003	3,580	11,881	3.32	2.68	49%	1.10 +	1.03	0.94	19%
2001 - 2004	3,706	12,822	3.46	2.80	50%	1.10 +	1.04	0.94	19%
2002 - 2005	3,952	16,071	4.07	3.32	48%	1.15 +	1.11 +	0.97	18%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
CLINICAL MEDICINE / EU-25									
1999 - 2005	635,517	4,328,585	6.81	5.59	36%	1.03 +	0.94 -	0.92	18%
1999 - 2002	352,847	1,123,613	3.18	2.50	52%	1.03 +	0.93 -	0.91	21%
2000 - 2003	358,462	1,204,456	3.36	2.66	50%	1.03 +	0.94 -	0.91	21%
2001 - 2004	357,479	1,251,704	3.50	2.78	49%	1.03 +	0.94 -	0.92	20%
2002 - 2005	369,511	1,393,529	3.77	3.02	47%	1.03 +	0.96 -	0.93	20%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
CLINICAL MEDICINE / Finland									
1999 - 2005	16,866	177,026	10.50	8.59	25%	1.18 +	1.34 +	1.13	18%
1999 - 2002	9,719	47,210	4.86	3.77	42%	1.17 +	1.32 +	1.13	22%
2000 - 2003	9,638	50,115	5.20	4.09	40%	1.19 +	1.35 +	1.13	21%
2001 - 2004	9,406	49,862	5.30	4.22	40%	1.22 +	1.36 +	1.11	20%
2002 - 2005	9,411	52,669	5.60	4.46	37%	1.19 +	1.36 +	1.14	20%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
CLINICAL MEDICINE / UK									
1999 - 2005	168,569	1,306,677	7.75	6.49	35%	1.10 +	1.16 +	1.05	16%
1999 - 2002	95,198	341,633	3.59	2.89	50%	1.11 +	1.15 +	1.04	20%
2000 - 2003	95,646	364,619	3.81	3.09	48%	1.10 +	1.16 +	1.05	19%
2001 - 2004	93,920	373,045	3.97	3.23	47%	1.10 +	1.16 +	1.05	19%
2002 - 2005	96,270	421,868	4.38	3.58	45%	1.10 +	1.19 +	1.08	18%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
CLINICAL MEDICINE / USA									
1999 - 2005	532,496	5,011,594	9.41	7.94	30%	1.07 +	1.32 +	1.22	16%
1999 - 2002	291,619	1,285,830	4.41	3.58	45%	1.07 +	1.32 +	1.22	19%
2000 - 2003	296,154	1,380,385	4.66	3.81	43%	1.07 +	1.32 +	1.22	18%
2001 - 2004	299,601	1,453,246	4.85	3.98	42%	1.07 +	1.33 +	1.22	18%
2002 - 2005	313,181	1,620,265	5.17	4.27	40%	1.07 +	1.34 +	1.23	17%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
CLINICAL-EXPERIMENTAL BASIC MEDICINE / Ireland									
1999 - 2005	2,496	21,783	8.73	6.99	29%	1.12 +	1.05	0.95	20%
1999 - 2002	1,281	5,590	4.36	3.32	43%	1.15 +	1.03	0.91	24%
2000 - 2003	1,308	5,883	4.50	3.35	41%	1.06	0.99	0.95	26%
2001 - 2004	1,415	6,582	4.65	3.56	41%	1.10 +	1.06	0.97	23%
2002 - 2005	1,536	8,095	5.27	4.16	41%	1.22 +	1.21 +	0.99	21%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
CLINICAL-EXPERIMENTAL BASIC MEDICINE / EU-25									
1999 - 2005	286,892	2,489,184	8.68	6.83	28%	1.01 +	0.95 -	0.96	21%
1999 - 2002	159,763	668,274	4.18	3.11	45%	1.01	0.94 -	0.95	26%
2000 - 2003	161,565	715,000	4.43	3.33	43%	1.01	0.95 -	0.96	25%
2001 - 2004	161,912	730,634	4.51	3.43	42%	1.01	0.96 -	0.96	24%
2002 - 2005	166,847	787,337	4.72	3.62	40%	1.01 +	0.97 -	0.97	23%



Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
CLINICAL-EXPERIMENTAL BASIC MEDICINE / Finland									
1999 - 2005	7,258	66,621	9.18	7.06	25%	1.02	1.01	1.00	23%
1999 - 2002	4,079	18,143	4.45	3.19	42%	1.02	0.99	0.98	28%
2000 - 2003	4,167	18,365	4.41	3.20	42%	1.01	0.96	0.97	27%
2001 - 2004	4,160	19,398	4.66	3.41	40%	1.02	0.98	0.97	27%
2002 - 2005	4,153	20,174	4.86	3.62	37%	1.00	1.01	1.01	26%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
CLINICAL-EXPERIMENTAL BASIC MEDICINE / UK									
1999 - 2005	63,584	687,564	10.81	8.72	24%	1.09 +	1.18 +	1.09	19%
1999 - 2002	35,719	185,878	5.20	3.99	40%	1.11 +	1.18 +	1.07	23%
2000 - 2003	35,893	198,493	5.53	4.29	37%	1.09 +	1.19 +	1.09	22%
2001 - 2004	35,902	205,166	5.71	4.46	37%	1.09 +	1.19 +	1.10	22%
2002 - 2005	36,588	216,425	5.92	4.65	35%	1.09 +	1.20 +	1.10	21%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
CLINICAL-EXPERIMENTAL BASIC MEDICINE / USA									
1999 - 2005	279,319	3,269,509	11.71	9.55	24%	1.07 +	1.27 +	1.19	18%
1999 - 2002	155,454	893,424	5.75	4.49	38%	1.07 +	1.29 +	1.19	22%
2000 - 2003	156,734	940,958	6.00	4.74	37%	1.07 +	1.28 +	1.19	21%
2001 - 2004	156,958	953,534	6.08	4.82	36%	1.07 +	1.28 +	1.19	21%
2002 - 2005	161,835	1,005,060	6.21	4.95	35%	1.07 +	1.26 +	1.18	20%

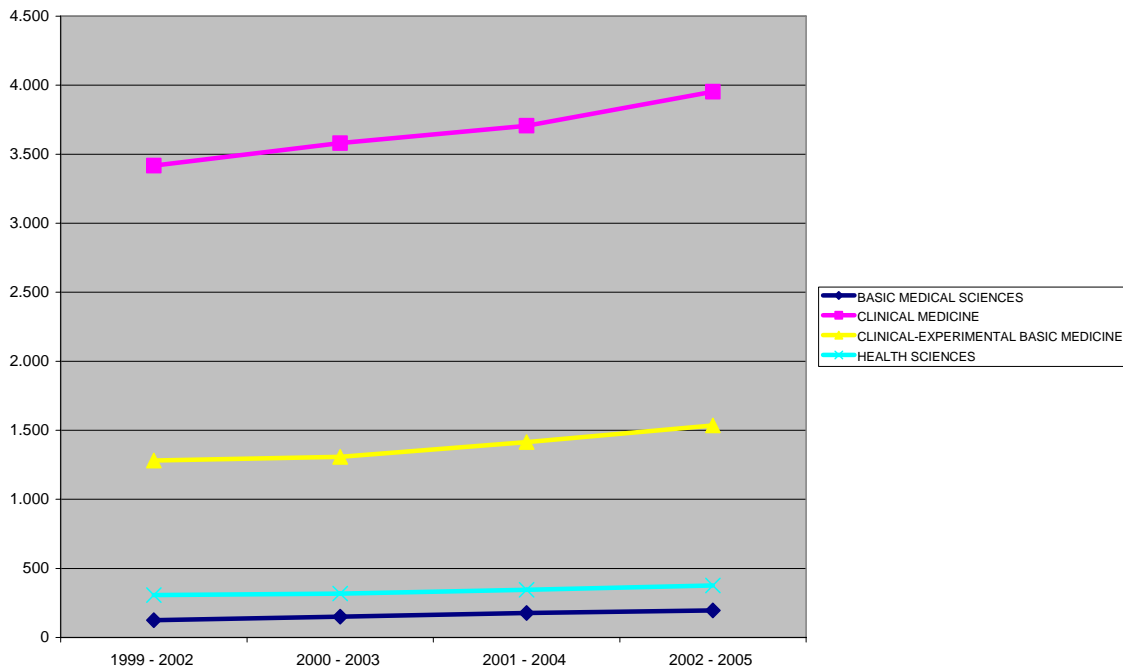
Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
HEALTH SCIENCES / Ireland									
1999 - 2005	596	2,139	3.59	2.79	45%	0.87	-	0.81	22%
1999 - 2002	307	521	1.70	1.21	59%	0.91		0.91	29%
2000 - 2003	318	576	1.81	1.23	56%	0.84		0.94	32%
2001 - 2004	345	739	2.14	1.47	55%	0.89		0.91	32%
2002 - 2005	377	638	1.69	1.20	59%	0.78	-	0.90	29%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
HEALTH SCIENCES / EU-25									
1999 - 2005	38,647	158,015	4.09	3.21	40%	0.99		0.87	22%
1999 - 2002	20,233	36,195	1.79	1.30	58%	0.99		0.85	28%
2000 - 2003	21,523	41,075	1.91	1.40	56%	0.98		0.86	27%
2001 - 2004	22,179	44,217	1.99	1.48	56%	1.00		0.85	26%
2002 - 2005	23,506	49,928	2.12	1.58	54%	1.01		0.86	26%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
HEALTH SCIENCES / Finland									
1999 - 2005	1,666	8,763	5.26	4.15	33%	1.07	1.04	0.99	21%
1999 - 2002	940	2,042	2.17	1.56	56%	1.04	0.98	0.97	28%
2000 - 2003	994	2,375	2.39	1.76	53%	1.07	1.03	0.98	26%
2001 - 2004	978	2,302	2.35	1.72	53%	1.00	0.95	0.96	27%
2002 - 2005	951	2,382	2.50	1.90	48%	1.09	0.99	0.94	24%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
HEALTH SCIENCES / UK									
1999 - 2005	16,191	61,973	3.83	3.12	40%	1.03 +	0.89 -	0.87	18%
1999 - 2002	8,711	14,221	1.63	1.24	57%	1.02	0.86 -	0.85	24%
2000 - 2003	9,197	15,807	1.72	1.32	56%	1.01	0.85 -	0.86	23%
2001 - 2004	9,262	17,294	1.87	1.45	55%	1.06 +	0.89 -	0.84	22%
2002 - 2005	9,603	19,401	2.02	1.56	53%	1.05 +	0.88 -	0.85	23%

Period	P	C+sc	CPP +sc	CPP	% Pnc	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
HEALTH SCIENCES / USA									
1999 - 2005	72,029	333,574	4.63	3.79	39%	1.06 +	1.04 +	0.98	18%
1999 - 2002	39,523	78,504	1.99	1.52	56%	1.07 +	1.03 +	0.97	23%
2000 - 2003	40,470	88,013	2.17	1.69	55%	1.06 +	1.03 +	0.97	22%
2001 - 2004	40,723	91,417	2.24	1.75	54%	1.06 +	1.04 +	0.98	22%
2002 - 2005	42,541	100,530	2.36	1.85	52%	1.06 +	1.03 +	0.98	22%

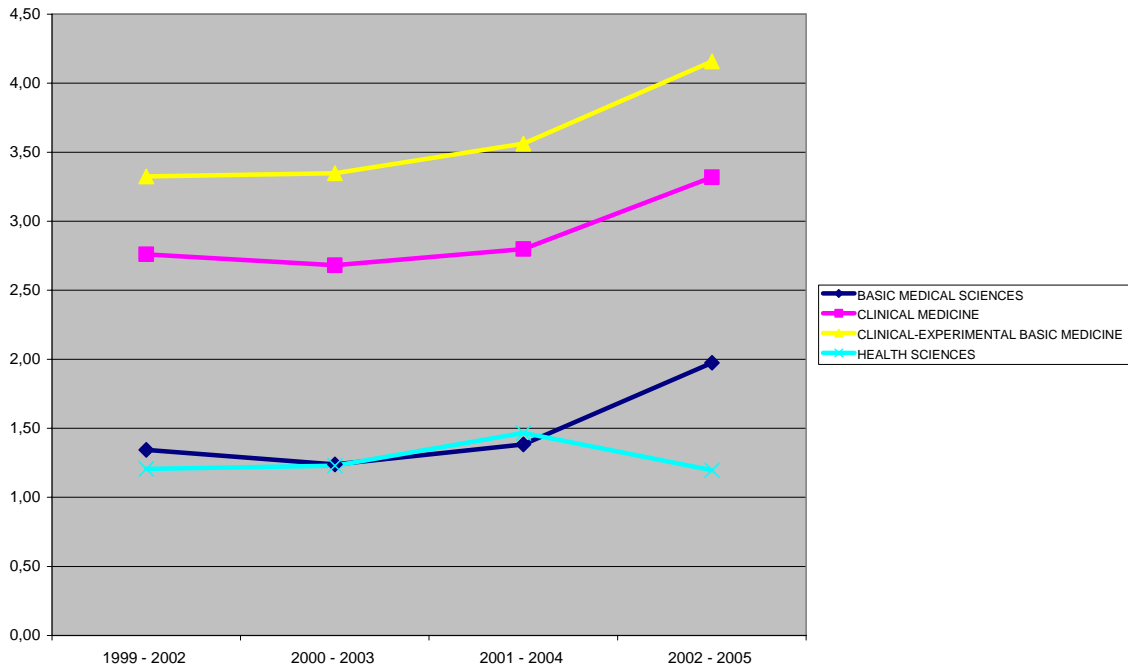


**Figure 4 Output trends in main fields of Irish Health Research, 1999-2005**

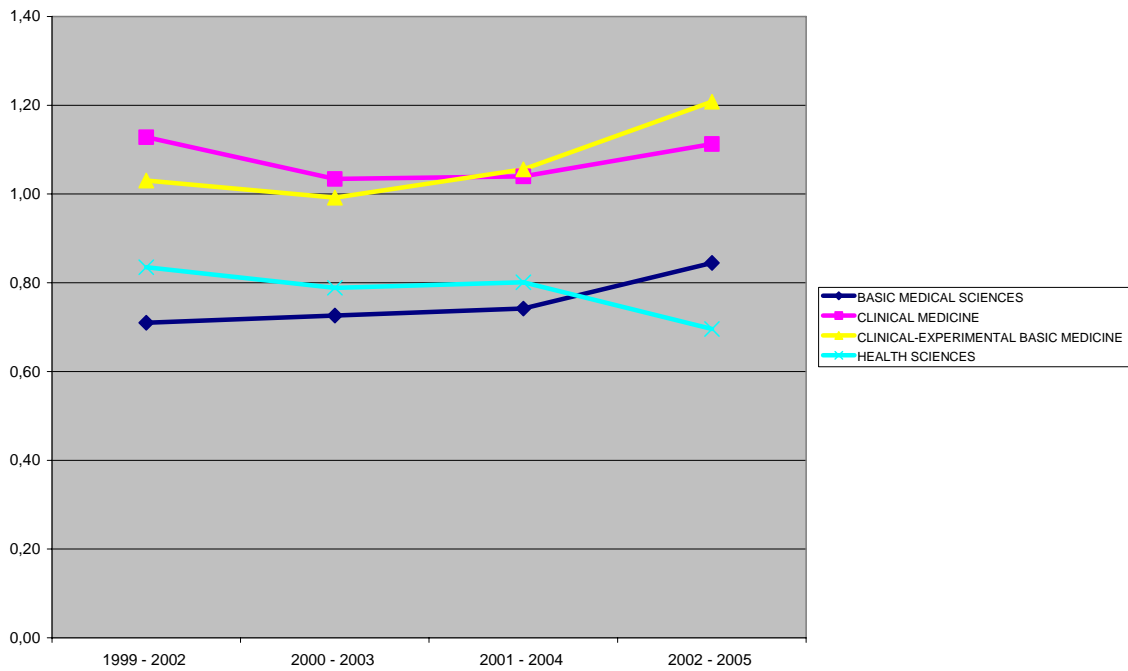
Figure 4 clearly shows that the overall strong increase in the Irish output in health research is the result of the increase in Clinical Medicine, followed by Clinical-Experimental Basic Medicine. The other two fields contain relatively low numbers of publications.

Figure 5 shows that for the two largest fields (in terms of output numbers), the mean impact of Irish health research papers is the highest in comparison to the other two fields. However, since these scores are not field-normalized, these increases scores indicate only a positive change in time.

The field-normalized impact scores are presented in Figure 6, and here we find that Clinical Medicine and Clinical-Experimental Basic Medicine have impact scores that are above worldwide average impact level. Next, we observe an increase in impact for Basic Medical Sciences, although the impact of this remains somewhat below worldwide average level. Finally, we find a small decrease in the impact of Health Sciences.



**Figure 5 Trends in mean impact across main fields of Irish health research, 1999-2005**



**Figure 6 Trends in field normalized impact across main fields of Irish health research, 1999-2005**

**Table 4.3 Highly cited papers in the overall health research field 1999-2002**

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	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
Ireland	4127	202	206.1	1.0
EU-25	440235	18949	21971.5	0.9
Finland	12853	743	641.3	1.2
UK	108851	6457	5426.4	1.2
USA	406925	29294	20301.7	1.4

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Table 4.3 contains the results of the focus on the top five per cent most highly cited papers per field in which a country was active. We find that Ireland is performing at the level one might expect. By doing so, Ireland performs somewhat better than the EU-25 does, but somewhat less as compared to Finland, the UK, and the USA.

Table 4.4 contains the same analysis, here for sub-fields. In Basic Medical Sciences, Ireland has a higher score than the EU-25 and Finland, although we must consider the low number of publications involved (although the same goes for Finland). In Clinical Medicine, Ireland has again a higher score as compared to the EU-25, while Finland has a relatively high score in this sub-field. In the sub-field Clinical-Experimental Basic Medicine we find Ireland performing better as compared to both the EU-25 and Finland, while the UK and USA have higher impact scores. Finally, in Health Sciences Ireland has the lowest score, but again, the number of publications on which this result is based is rather low.



**Table 4.4 Highly cited papers in the sub-fields of health research 1999-2002**

	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
<b>BASIC MEDICAL SCIENCES</b>				
Ireland	123	5	6.1	0.8
EU-25	15951	497	795.1	0.6
Finland	351	7	17.5	0.4
UK	3557	160	177.3	0.9
USA	13801	835	688.8	1.2
<b>CLINICAL MEDICINE</b>				
Ireland	3017	149	150.8	1.0
EU-25	311882	13089	15570.0	0.8
Finland	9310	602	464.7	1.3
UK	77032	4524	3841.9	1.2
USA	266405	19034	13292.3	1.4
<b>CLINICAL-EXPERIMENTAL BASIC MEDICINE</b>				
Ireland	1231	54	61.6	0.9
EU-25	154707	6512	7734.4	0.8
Finland	4004	162	200.0	0.8
UK	34328	2141	1716.3	1.2
USA	151020	10289	7550.1	1.4
<b>HEALTH SCIENCES</b>				
Ireland	294	7	14.5	0.5
EU-25	19268	621	950.0	0.7
Finland	914	40	45.4	0.9
UK	8154	281	400.7	0.7
USA	37684	1818	1865.0	1.0

## 5. Discussion and conclusion

We start this final section with a few general comments on the use of bibliometric indicators for the assessment of research performance. It is our experience in previous studies on research performance in the natural and life sciences, medicine, the humanities, and in the social and behavioral sciences, that bibliometric indicators provide useful information to a peer review committee evaluating research performance. These studies revealed a fair correspondence between the results of bibliometric analyses on the one hand, and judgements on scientific quality by peers on the other hand. In our view, a quality judgement on a research unit, department or institute can only be given by peers, based on a detailed insight into content and nature of the research conducted by the group or institute in question. The citation-based indicators applied in this study measure the impact at the short or medium-to-long term of research activities at the international research front, as reflected in publication and citation patterns. Impact and scientific quality are not necessarily identical concepts.

Bibliometric indicators cannot be interpreted properly without background knowledge on both the research units that are evaluated, and the subfields in which the research units are active. In fact, in previous studies we have encountered a few cases in which a bibliometric indicator pointed in one direction (e.g. a low impact), while statements by peers or even other indicators pointed in another direction (e.g. a high quality). Analyzing such discrepancies from a bibliometric point of view, specific limitations related to the bibliometric methodology applied in the study in question may be identified. While in most cases such limitations hardly affect the results or have no effect at all, in exceptional cases the bibliometric outcomes may provide an incomplete or even distorted picture. For instance, the classification of journals into subfields ('journal categories') may be less appropriate for some research units, particularly when they are active in topics of a multidisciplinary nature. Then, in the calculation of the impact compared to the world subfield citation average, this world average may not be representative for the subfield in which such a research group or institute is active. If there are strong indications that the definition of the (sub) field in terms of journal categories is inadequate, then the journal-based world average (*JCSm*) is more appropriate. In particular, this latter case pertains to developing new interdisciplinary fields.

A second limitation concerns the coverage of the Citation Indices (CI). In specific subfields, particularly in applied or technical sciences, the CI coverage may be less adequate. Consequently, for research units which are active in such technical/applied subfields, the bibliometric results may provide an incomplete picture. A second point concerns non-CI publications (e.g. articles in journals that are not, or no longer, covered by CI). For a number of research units, valuable additional information may be obtained by retrieving impact data for non-CI publications.

Another example of a limitation of bibliometric analysis relates to time delays. It may take several years for a collection of papers to generate a high impact. We have analyzed research units that had generated only a moderate impact at the time. Confronted with the bibliometric results, several peers stated that these research units had recently made important contributions to the field. When we updated the results after a few years, several research units indeed showed a sharply rising impact curve.

We do not wish to imply that all discrepancies between bibliometric indicators and peer judgements are necessarily due to problems or limitations of the bibliometric methods applied (Nederhof, 1988). Equally, it would not be appropriate to attribute such discrepancies only to peers expressing incorrect or biased views on the scientific quality of a research unit. Still, reasoning from the point of view of the bibliometrician, discrepancies between bibliometric indicators and peer judgements often constitute a research problem in itself and a considerable effort is often required to examine such a discrepancy in sufficient detail.

Nevertheless, peer review also has its disadvantages (van Raan, 1996). Therefore, the appropriate combination of peer-based qualitative and quantitative assessment, particularly bibliometric indicators, appears to be the most successful approach in order to reinforce objectivity, transparency, comparability and reproducibility in the assessment of research performance.

As stated in the Results section of the report, Ireland has the smallest output of the four entities compared (Finland the UK, the USA, and the EU-25). However, in a number of fields or sub-fields, we observe high impact scores for Ireland in health research. In health research overall, Ireland has an impact that is significantly above worldwide average impact level, and performs as such better than the EU-25. The other three entities compared do have higher impact scores than the level observed for Ireland.

On the level of fields, we find a high impact for Ireland in Clinical Medicine (significantly above worldwide average impact level), an impact at worldwide impact level in Clinical-Experimental Basic Medicine, and impact scores below average field impact level for Basic Medicine, and Health Sciences. When we focus on the lowest level of analysis in the study, we find that Ireland has a high impact position in a number of Journal Subject Categories: Cardiac & cardiovascular systems, dermatology, gastroenterology, immunology, medical laboratory technology, neuroimaging, peripheral vascular diseases, psychiatry, rheumatology, transplantation, and veterinary sciences. Impact scores somewhat lower are found for haematology and pharmacology & pharmaceuticals.

In terms of visibility among performers of absolute top worldwide scientific research in health research, we observe that Ireland performs in overall health research at a level where actual and expected numbers are in balance. By this we mean that the proportion of Irish papers in the top five per cent of cited papers in their field is generally what would be expected based on the overall output of papers. This is particularly true in the sub-field Clinical Medicine, a sub-field in which Ireland equals the expected number with its actual number of top publications in the top five per cent most highly cited range. However, in the other sub-fields, Ireland performs somewhat lower than might be expected on the basis of output numbers in those sub-fields.

There is little basis on which direct comparison can be made between the results of this study and those from an earlier study, which was conducted by CIRCA and ISI in 1999. The 1999 study showed a gradual increase in the output of health research papers, and also a gradual improvement in citation rates. This trend has continued in the period under study in the current report. However, the classification of journals used in the 1999 study, and the analyses conducted, are different in the two studies.

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# **Appendix I**

## **Statistical Test**

## Explanation of the significance test used by CWTS

The significance test used by CWTS is developed by W. Glänzel. This test indicates whether the impact of a research unit's publication output differs significantly from all the publications in the journal(s) or the subfields(s) in which the research unit was active.

Citations are distributed rather skew, but the average citation-scores within a distribution are approximately normally distributed. As empirical data, citation data are subject to statistical ('random') influences. Their random error (which can be determined from the number of publications and from the citation-frequency distribution) must be taken into account when citation-averages are compared with each other, or with given 'fixed' values. The standard error  $d(x)$  of the mean citation score  $x$  of a certain research unit depends of the size of the research unit and the 'inequality' of the distribution:

$$d(x) = D / \sqrt{n},$$

where  $n$  represents the number of papers published by the research unit, and  $D$  represents the standard-deviation of the citation distribution. We say that  $x$  is significantly larger / smaller than a given fixed value  $a$  at a confidence level of 95 per cent, if  $(x-a)/d(x)$  is larger than 1.96, respectively smaller than -1.96. This method can be applied in the comparison of actual (**CPP**) with 'expected' scores (**JCSm**, **FCSm**). Since the 'expected' scores **JCSm** / **FCSm** are based on rather large data sets, their 'random' error is much smaller than that of the value CPP, and can therefore be neglected. Thus, for comparisons the **JCSm** and **FCSm** can be treated as fixed values.

The shape of the citation frequency distribution is best represented by a *negative binomial distribution* (cf. Schubert & Glänzel, 1983). An important parameter to estimate this distribution is the percentage of uncited publications. As a consequence, it may happen that the average impact of one research unit is not significantly different from **JCSm** or **FCSm**, whereas a research unit with a lower number of publications and a lower volume of citations, but with a different percentage of uncited publications, does yield a significant finding against similar **JCSm** or **FCSm** values.

Previous research at CWTS has shown that similar results are obtained by using a non-parametric statistical test. Only for small numbers of publications and citations, the Glänzel test may render a significant result where the non-parametric test is more conservative. However, the Glänzel test is robust when the number of publications and citations is not very small.

## **Appendix II**

### **Concordance of ISI Journal Subject Categories and sub-fields**



DISCIPLINE	ISI Journal Subject Category
BASIC MEDICAL SCIENCES	CHEMISTRY, MEDICINAL ENGINEERING, BIOMEDICAL MATERIALS SCIENCE, BIOMATERIALS MEDICAL INFORMATICS
CLINICAL MEDICINE	ALLERGY ANDROLOGY ANAESTHESIOLOGY CARDIAC & CARDIOVASCULAR SYSTEMS CLINICAL NEUROLOGY CRITICAL CARE MEDICINE DENTISTRY, ORAL SURGERY & MEDICINE DERMATOLOGY EMERGENCY MEDICINE ENDOCRINOLOGY & METABOLISM GASTROENTEROLOGY & HEPATOLOGY HAEMATOLOGY INFECTIOUS DISEASES MEDICINE, GENERAL & INTERNAL OBSTETRICS & GYNAECOLOGY ONCOLOGY OPHTHALMOLOGY ORTHOPAEDICS OTORHINOLARYNGOLOGY PARASITOLOGY PATHOLOGY PAEDIATRICS PERIPHERAL VASCULAR DISEASE PSYCHIATRY PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH RESPIRATORY SYSTEM RHEUMATOLOGY SURGERY

DISCIPLINE	ISI Journal Subject Category
CLINICAL-EXPERIMENTAL BASIC MEDICINE	TRANSPLANTATION TROPICAL MEDICINE UROLOGY & NEPHROLOGY VETERINARY SCIENCES ANATOMY & MORPHOLOGY IMMUNOLOGY INTEGRATIVE & COMPLEMENTARY MEDICINE MEDICAL LABORATORY TECHNOLOGY MEDICINE, RESEARCH & EXPERIMENTAL NEUROIMAGING NEUROSCIENCES PHARMACOLOGY & PHARMACY PHYSIOLOGY RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING TOXICOLOGY
HEALTH SCIENCES	VIROLOGY * GERONTOLOGY * HEALTH POLICY & SERVICES * NURSING * PSYCHIATRY * PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH * REHABILITATION * SOCIAL WORK * SUBSTANCE ABUSE GERIATRICS & GERONTOLOGY

An asterisk before the Journal Subject category name indicates the category is originating from the Social Sciences Citation Index (SSCI)



## **Appendix III**

### **Output across Journal Subject Categories**

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
ALLERGY / EU-25													
1999 - 2005	7,406	56,263	7.60	6.18	29%	5.79	7.70	1.07	+	0.80	-	0.76	19%
1999 - 2002	4,407	15,930	3.61	2.84	45%	2.71	3.73	1.05		0.76	-	0.73	21%
2000 - 2003	4,162	16,360	3.93	3.13	44%	2.89	3.88	1.08	+	0.81	-	0.76	20%
2001 - 2004	3,921	15,706	4.01	3.15	42%	2.91	3.81	1.08	+	0.83	-	0.78	21%
2002 - 2005	3,931	17,060	4.34	3.42	39%	3.16	4.05	1.08	+	0.84	-	0.80	21%
ALLERGY / Finland													
1999 - 2005	363	4,399	12.12	10.05	21%	6.63	7.46	1.52	+	1.35	+	0.89	17%
1999 - 2002	243	1,354	5.57	4.35	36%	2.56	3.07	1.70	+	1.42	+	0.84	22%
2000 - 2003	233	1,665	7.15	5.95	34%	3.20	3.74	1.86	+	1.59	+	0.86	17%
2001 - 2004	193	1,741	9.02	7.58	26%	3.88	4.26	1.95	+	1.78	+	0.92	16%
2002 - 2005	173	1,121	6.48	5.20	35%	4.16	4.06	1.25		1.28		1.03	20%
ALLERGY / Ireland													
1999 - 2005	15	165	11.00	9.73	27%	9.10	7.32	1.07		1.33		1.23	12%
1999 - 2002	7	57	8.14	7.14	0%	5.77	4.16	1.24	?	1.72	?	1.35	12%
2000 - 2003	7	33	4.71	4.14	14%	5.88	4.66	0.71		0.89		1.24	12%
2001 - 2004	7	46	6.57	5.86	29%	7.09	6.09	0.83		0.96		1.16	11%
2002 - 2005	9	37	4.11	3.56	44%	2.11	2.83	1.68		1.26		0.75	14%
ALLERGY / UK													
1999 - 2005	1,311	13,660	10.42	8.69	21%	7.53	8.23	1.16	+	1.06		0.92	17%
1999 - 2002	802	4,018	5.01	4.14	34%	3.61	4.03	1.15	+	1.03		0.90	17%
2000 - 2003	722	4,091	5.67	4.61	33%	3.98	4.13	1.16	+	1.12		0.97	19%
2001 - 2004	655	3,953	6.04	4.83	32%	3.87	4.16	1.25	+	1.16	+	0.95	20%
2002 - 2005	649	4,040	6.22	4.92	29%	4.00	4.22	1.23	+	1.17	+	0.97	21%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
ALLERGY / USA													
1999 - 2005	4,141	37,346	9.02	7.77	26%	7.29	8.16	1.07	+	0.95	-	0.88	14%
1999 - 2002	2,292	10,765	4.70	3.93	41%	3.53	3.97	1.11	+	0.99	-	0.88	16%
2000 - 2003	2,326	10,414	4.48	3.74	40%	3.58	4.07	1.05		0.92	-	0.87	16%
2001 - 2004	2,329	10,567	4.54	3.83	38%	3.73	4.30	1.03		0.89	-	0.86	16%
2002 - 2005	2,383	11,412	4.79	4.09	35%	3.93	4.46	1.04		0.92	-	0.87	15%
ANATOMY & MORPHOLOGY / EU-25													
1999 - 2005	4,251	22,099	5.20	3.86	38%	3.79	5.64	1.02		0.68	-	0.70	26%
1999 - 2002	2,421	5,914	2.44	1.65	57%	1.61	2.63	1.02		0.63	-	0.67	32%
2000 - 2003	2,365	5,893	2.49	1.71	56%	1.73	2.75	0.99		0.62	-	0.68	31%
2001 - 2004	2,275	6,024	2.65	1.82	53%	1.85	2.88	0.98		0.63	-	0.69	31%
2002 - 2005	2,359	6,075	2.58	1.81	54%	1.80	2.78	1.00		0.65	-	0.69	30%
ANATOMY & MORPHOLOGY / Finland													
1999 - 2005	55	608	11.05	8.49	24%	5.60	7.22	1.52		1.18		0.81	23%
1999 - 2002	33	183	5.55	4.06	30%	2.35	3.29	1.73		1.24		0.77	27%
2000 - 2003	36	204	5.67	4.33	36%	2.39	3.38	1.81		1.28		0.75	24%
2001 - 2004	31	175	5.65	3.97	39%	2.64	3.80	1.50		1.04		0.74	30%
2002 - 2005	27	120	4.44	2.81	44%	2.80	3.41	1.00		0.83		0.85	37%
ANATOMY & MORPHOLOGY / Ireland													
1999 - 2005	59	223	3.78	3.17	42%	3.53	5.41	0.90		0.59	-	0.64	16%
1999 - 2002	31	46	1.48	1.26	61%	1.68	2.77	0.75		0.45	-	0.61	15%
2000 - 2003	37	68	1.84	1.38	59%	1.30	2.57	1.06		0.54	-	0.51	25%
2001 - 2004	31	53	1.71	1.16	55%	1.37	2.68	0.85		0.43	-	0.52	32%
2002 - 2005	35	76	2.17	1.63	54%	1.92	2.48	0.85		0.66		0.75	25%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
ANATOMY & MORPHOLOGY / UK													
1999 - 2005	792	5,964	7.53	6.06	29%	4.78	6.04	1.27	+	1.00	0.81	20%	
1999 - 2002	442	1,522	3.44	2.58	45%	1.94	2.71	1.33	+	0.95	0.75	25%	
2000 - 2003	433	1,658	3.83	2.96	41%	2.33	3.03	1.27	+	0.98	0.80	23%	
2001 - 2004	422	1,710	4.05	3.09	37%	2.43	3.25	1.27	+	0.95	0.79	24%	
2002 - 2005	448	1,633	3.65	2.88	44%	2.51	3.25	1.15		0.88	0.79	21%	
ANATOMY & MORPHOLOGY / USA													
1999 - 2005	2,776	20,233	7.29	5.84	30%	5.12	6.18	1.14	+	0.95	-	0.85	20%
1999 - 2002	1,477	5,125	3.47	2.62	43%	2.30	3.01	1.14	+	0.87	-	0.80	24%
2000 - 2003	1,532	6,188	4.04	3.17	43%	2.79	3.33	1.14	+	0.95	-	0.86	22%
2001 - 2004	1,498	5,626	3.76	2.84	41%	2.39	3.12	1.19	+	0.91	-	0.82	24%
2002 - 2005	1,647	5,934	3.60	2.74	44%	2.35	3.02	1.17	+	0.91	-	0.82	24%
ANDROLOGY / EU-25													
1999 - 2005	808	3,943	4.88	3.72	34%	3.48	3.95	1.07		0.94	0.90	24%	
1999 - 2002	457	1,049	2.30	1.63	53%	1.48	1.74	1.10		0.94	0.87	29%	
2000 - 2003	472	1,104	2.34	1.68	52%	1.62	1.96	1.04		0.85	-	0.85	28%
2001 - 2004	418	973	2.33	1.70	50%	1.67	1.90	1.02		0.90	0.90	27%	
2002 - 2005	458	1,210	2.64	1.93	48%	1.86	1.99	1.04		0.97	0.96	27%	
ANDROLOGY / Finland													
1999 - 2005	29	130	4.48	2.93	21%	3.99	4.36	0.73		0.67	-	0.92	35%
1999 - 2002	20	32	1.60	0.95	55%	1.11	1.34	0.85		0.71	0.84	41%	
2000 - 2003	23	57	2.48	1.52	48%	1.81	2.01	0.84		0.76	0.92	39%	
2001 - 2004	17	42	2.47	1.76	35%	2.34	2.80	0.76		0.63	-	0.85	29%
2002 - 2005	13	36	2.77	2.00	23%	2.66	2.26	0.75		0.89	1.16	28%	

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
ANDROLOGY / Ireland													
1999 - 2005	4	17	4.25	3.75	25%	3.59	3.05	1.05		1.23		1.12	12%
1999 - 2002	3	4	1.33	1.00	67%	0.25	0.27	4.04		3.65		0.86	25%
2000 - 2003	3	8	2.67	2.33	0%	1.42	1.23	1.64	?	1.89	?	1.07	13%
2001 - 2004	3	15	5.00	4.67	0%	2.89	2.44	1.62	?	1.92	?	1.10	7%
2002 - 2005	3	9	3.00	2.67	33%	3.19	2.53	0.84		1.05		1.23	11%
ANDROLOGY / UK													
1999 - 2005	101	972	9.62	7.58	28%	5.11	5.13	1.48	+	1.48	+	1.05	21%
1999 - 2002	65	304	4.68	3.43	38%	2.11	2.10	1.63		1.63		1.09	27%
2000 - 2003	67	347	5.18	3.69	39%	2.43	2.43	1.52		1.52		1.08	29%
2001 - 2004	57	286	5.02	3.68	39%	2.33	2.44	1.58		1.51		1.00	27%
2002 - 2005	49	232	4.73	3.88	49%	2.45	2.27	1.58		1.71		1.09	18%
ANDROLOGY / USA													
1999 - 2005	602	3,803	6.32	4.71	30%	4.38	4.24	1.08		1.11		1.09	25%
1999 - 2002	373	950	2.55	1.71	53%	1.62	1.59	1.06		1.08		1.11	33%
2000 - 2003	388	1,159	2.99	2.06	47%	1.93	1.85	1.07		1.11		1.13	31%
2001 - 2004	344	1,141	3.32	2.39	43%	2.23	2.17	1.07		1.10		1.10	28%
2002 - 2005	321	1,303	4.06	3.03	40%	2.63	2.56	1.16		1.19		1.08	25%
ANAESTHESIOLOGY / EU-25													
1999 - 2005	16,957	70,302	4.15	3.42	44%	3.17	3.86	1.08	+	0.89	-	0.82	18%
1999 - 2002	9,906	19,625	1.98	1.56	58%	1.47	1.74	1.07	+	0.90	-	0.84	21%
2000 - 2003	9,881	19,934	2.02	1.61	56%	1.48	1.79	1.08	+	0.90	-	0.83	20%
2001 - 2004	9,312	19,142	2.06	1.62	56%	1.50	1.85	1.08	+	0.88	-	0.81	21%
2002 - 2005	9,391	21,312	2.27	1.80	54%	1.66	2.05	1.09	+	0.88	-	0.82	21%



Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
ANAESTHESIOLOGY / Finland													
1999 - 2005	471	2,790	5.92	4.88	29%	4.81	4.78	1.01	1.02	1.01	18%		
1999 - 2002	285	804	2.82	2.13	44%	2.38	2.35	0.90	0.91	1.02	24%		
2000 - 2003	250	601	2.40	1.86	46%	2.06	2.25	0.90	0.83	-	0.92	23%	
2001 - 2004	215	585	2.72	2.22	48%	1.91	2.09	1.16	1.06		0.92	18%	
2002 - 2005	247	874	3.54	2.91	42%	2.16	2.30	1.35	+	1.27	+	0.94	18%
ANAESTHESIOLOGY / Ireland													
1999 - 2005	227	747	3.29	3.01	44%	2.99	3.49	1.01	0.86	0.84	9%		
1999 - 2002	131	182	1.39	1.24	61%	1.30	1.56	0.95	0.80	0.81	10%		
2000 - 2003	128	218	1.70	1.50	52%	1.48	1.73	1.01	0.87	0.85	12%		
2001 - 2004	124	232	1.87	1.65	60%	1.52	1.75	1.08	0.94	0.86	12%		
2002 - 2005	128	291	2.27	2.04	55%	1.85	1.91	1.10	1.07	0.97	10%		
ANAESTHESIOLOGY / UK													
1999 - 2005	5,615	20,565	3.66	3.18	47%	2.95	2.95	1.08	+	1.08	+	0.98	13%
1999 - 2002	3,555	6,336	1.78	1.52	60%	1.34	1.27	1.13	+	1.19	+	1.03	15%
2000 - 2003	3,505	6,177	1.76	1.50	59%	1.35	1.35	1.11	+	1.11	+	0.98	15%
2001 - 2004	3,029	5,493	1.81	1.53	58%	1.42	1.42	1.08	+	1.07		0.97	16%
2002 - 2005	2,843	5,553	1.95	1.63	56%	1.61	1.64	1.01		0.99		0.97	17%
ANAESTHESIOLOGY / USA													
1999 - 2005	8,871	51,467	5.80	4.81	39%	4.71	4.00	1.02	1.20	+	1.18	17%	
1999 - 2002	4,984	13,988	2.81	2.24	52%	2.17	1.89	1.03	1.19	+	1.15	20%	
2000 - 2003	4,937	14,081	2.85	2.25	51%	2.20	1.94	1.02	1.16	+	1.14	21%	
2001 - 2004	4,834	13,334	2.76	2.14	52%	2.13	1.85	1.01	1.16	+	1.16	22%	
2002 - 2005	5,075	15,734	3.10	2.44	49%	2.42	2.08	1.01	1.18	+	1.17	21%	

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
CARDIAC & CARDIOVASCULAR SYSTEMS / EU-25													
1999 - 2005	37,701	320,893	8.51	7.08	32%	6.83	6.28	1.04	+	1.13	+	1.08	17%
1999 - 2002	20,723	81,792	3.95	3.15	47%	3.05	2.83	1.03	+	1.11	+	1.07	20%
2000 - 2003	21,016	88,572	4.21	3.38	45%	3.29	3.04	1.03	+	1.11	+	1.08	20%
2001 - 2004	20,968	93,943	4.48	3.65	45%	3.50	3.18	1.04	+	1.15	+	1.09	19%
2002 - 2005	21,963	108,955	4.96	4.07	43%	3.86	3.44	1.05	+	1.18	+	1.12	18%
CARDIAC & CARDIOVASCULAR SYSTEMS / Finland													
1999 - 2005	804	9,276	11.54	9.39	23%	8.77	6.82	1.07		1.38	+	1.28	19%
1999 - 2002	447	2,319	5.19	4.08	42%	4.08	3.12	1.00		1.31	+	1.29	21%
2000 - 2003	453	2,654	5.86	4.54	41%	3.97	3.15	1.14		1.44	+	1.25	22%
2001 - 2004	455	2,676	5.88	4.56	36%	4.10	3.33	1.11		1.37	+	1.22	22%
2002 - 2005	458	3,052	6.66	5.39	33%	4.78	3.71	1.13		1.45	+	1.28	19%
CARDIAC & CARDIOVASCULAR SYSTEMS / Ireland													
1999 - 2005	211	2,157	10.22	8.86	28%	6.81	5.62	1.30	+	1.58	+	1.20	13%
1999 - 2002	95	499	5.25	4.36	40%	3.37	2.80	1.29		1.56	+	1.18	17%
2000 - 2003	103	556	5.40	4.60	33%	3.52	3.03	1.31		1.52	+	1.15	15%
2001 - 2004	114	534	4.68	4.05	39%	3.09	2.77	1.31		1.46	+	1.10	13%
2002 - 2005	150	853	5.69	4.87	38%	4.11	3.32	1.18		1.47	+	1.23	14%
CARDIAC & CARDIOVASCULAR SYSTEMS / UK													
1999 - 2005	7,710	78,983	10.24	8.55	30%	7.63	6.21	1.12	+	1.38	+	1.22	17%
1999 - 2002	4,333	20,817	4.80	3.83	43%	3.30	2.72	1.16	+	1.41	+	1.21	20%
2000 - 2003	4,351	22,605	5.20	4.16	40%	3.76	3.06	1.11	+	1.36	+	1.22	20%
2001 - 2004	4,284	23,057	5.38	4.40	41%	3.95	3.17	1.11	+	1.39	+	1.23	18%
2002 - 2005	4,447	25,888	5.82	4.78	40%	4.33	3.47	1.11	+	1.38	+	1.24	18%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
CARDIAC & CARDIOVASCULAR SYSTEMS / USA													
1999 - 2005	35,473	398,079	11.22	9.38	28%	8.92	6.53	1.05	+	1.44	+	1.36	16%
1999 - 2002	19,218	102,934	5.36	4.31	41%	4.04	2.98	1.07	+	1.45	+	1.35	20%
2000 - 2003	19,679	111,767	5.68	4.61	40%	4.37	3.17	1.05	+	1.45	+	1.37	19%
2001 - 2004	19,805	119,161	6.02	4.90	39%	4.64	3.33	1.06	+	1.47	+	1.38	19%
2002 - 2005	20,690	130,982	6.33	5.21	38%	4.92	3.58	1.06	+	1.45	+	1.36	18%
CHEMISTRY, MEDICINAL / EU-25													
1999 - 2005	14,544	92,925	6.39	4.45	32%	4.68	5.43	0.95	-	0.82	-	0.90	30%
1999 - 2002	7,494	23,037	3.07	1.93	50%	2.04	2.46	0.95	-	0.79	-	0.88	37%
2000 - 2003	7,906	25,435	3.22	2.06	48%	2.24	2.65	0.92	-	0.78	-	0.89	36%
2001 - 2004	8,112	27,768	3.42	2.26	46%	2.38	2.81	0.95	-	0.80	-	0.90	34%
2002 - 2005	9,070	34,115	3.76	2.50	43%	2.65	3.07	0.94	-	0.81	-	0.91	34%
CHEMISTRY, MEDICINAL / Finland													
1999 - 2005	167	1,057	6.33	4.02	38%	4.73	5.01	0.85		0.80		0.95	36%
1999 - 2002	76	240	3.16	2.20	58%	2.50	2.18	0.88		1.01		1.10	30%
2000 - 2003	90	338	3.76	2.51	60%	2.83	2.70	0.89		0.93		1.02	33%
2001 - 2004	100	295	2.95	1.39	54%	1.85	2.71	0.75		0.51	-	0.75	53%
2002 - 2005	119	437	3.67	1.86	47%	2.10	3.00	0.88		0.62	-	0.76	49%
CHEMISTRY, MEDICINAL / Ireland													
1999 - 2005	75	342	4.56	3.45	31%	4.45	5.29	0.78		0.65	-	0.88	24%
1999 - 2002	28	89	3.18	2.07	43%	2.81	3.21	0.74		0.64		0.94	35%
2000 - 2003	33	51	1.55	1.15	58%	1.75	2.12	0.66		0.54	-	0.88	25%
2001 - 2004	49	101	2.06	1.41	69%	1.67	2.12	0.84		0.66		0.85	32%
2002 - 2005	54	163	3.02	2.39	39%	2.43	3.10	0.98		0.77		0.83	21%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
CHEMISTRY, MEDICINAL / UK													
1999 - 2005	2,497	21,700	8.69	6.67	24%	6.16	6.05	1.08	+	1.10	+	1.04	23%
1999 - 2002	1,310	5,754	4.39	3.12	40%	2.88	2.77	1.08		1.12	+	1.06	29%
2000 - 2003	1,377	5,987	4.35	3.13	39%	3.08	3.03	1.01		1.03		1.04	28%
2001 - 2004	1,412	6,492	4.60	3.38	37%	3.13	3.11	1.08		1.09		1.03	26%
2002 - 2005	1,530	6,949	4.54	3.36	35%	3.22	3.23	1.04		1.04		1.02	26%
CHEMISTRY, MEDICINAL / USA													
1999 - 2005	12,689	106,550	8.40	6.35	25%	5.78	5.34	1.10	+	1.19	+	1.10	24%
1999 - 2002	6,350	27,869	4.39	3.10	40%	2.81	2.51	1.10	+	1.23	+	1.14	29%
2000 - 2003	6,659	29,289	4.40	3.13	40%	2.81	2.58	1.11	+	1.21	+	1.11	29%
2001 - 2004	7,224	32,139	4.45	3.16	39%	2.83	2.66	1.11	+	1.19	+	1.09	29%
2002 - 2005	8,042	38,724	4.82	3.50	36%	3.09	2.96	1.13	+	1.19	+	1.08	27%
CLINICAL NEUROLOGY / EU-25													
1999 - 2005	52,248	363,287	6.95	5.68	33%	5.48	5.95	1.04	+	0.95	-	0.92	18%
1999 - 2002	28,209	92,281	3.27	2.54	50%	2.43	2.65	1.05	+	0.96	-	0.92	22%
2000 - 2003	29,227	98,854	3.38	2.66	48%	2.55	2.80	1.04	+	0.95	-	0.91	21%
2001 - 2004	29,927	103,227	3.45	2.72	47%	2.64	2.90	1.03	+	0.94	-	0.91	21%
2002 - 2005	31,496	113,763	3.61	2.86	45%	2.79	3.04	1.02	+	0.94	-	0.92	21%
CLINICAL NEUROLOGY / Finland													
1999 - 2005	1,424	14,325	10.06	8.30	23%	7.22	6.31	1.15	+	1.32	+	1.14	18%
1999 - 2002	789	3,733	4.73	3.70	37%	3.27	2.91	1.13	+	1.27	+	1.13	22%
2000 - 2003	796	4,077	5.12	4.13	35%	3.35	2.93	1.23	+	1.41	+	1.14	19%
2001 - 2004	792	4,004	5.06	4.04	37%	3.31	2.92	1.22	+	1.38	+	1.14	20%
2002 - 2005	819	4,074	4.97	4.00	35%	3.52	3.03	1.13	+	1.32	+	1.16	20%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
CLINICAL NEUROLOGY / Ireland													
1999 - 2005	359	2,555	7.12	6.14	31%	6.06	5.87	1.01	1.05	1.03	14%		
1999 - 2002	188	634	3.37	2.88	45%	2.66	2.73	1.08	1.05	0.98	15%		
2000 - 2003	187	670	3.58	2.98	42%	3.02	2.88	0.99	1.04	1.05	17%		
2001 - 2004	200	727	3.64	2.98	43%	2.91	2.78	1.02	1.07	1.05	18%		
2002 - 2005	227	825	3.63	2.95	45%	3.26	2.88	0.90	1.02	1.12	19%		
CLINICAL NEUROLOGY / UK													
1999 - 2005	11,128	106,890	9.61	7.92	28%	6.96	5.91	1.14	+	1.34	+	1.18	18%
1999 - 2002	6,011	27,807	4.63	3.65	43%	3.11	2.66	1.17	+	1.37	+	1.17	21%
2000 - 2003	6,238	29,349	4.70	3.75	41%	3.24	2.78	1.16	+	1.35	+	1.16	20%
2001 - 2004	6,329	29,877	4.72	3.79	40%	3.34	2.86	1.13	+	1.32	+	1.17	20%
2002 - 2005	6,626	32,006	4.83	3.85	39%	3.49	3.00	1.10	+	1.28	+	1.16	20%
CLINICAL NEUROLOGY / USA													
1999 - 2005	39,116	344,834	8.82	7.43	29%	6.64	5.95	1.12	+	1.25	+	1.11	16%
1999 - 2002	21,027	87,658	4.17	3.39	44%	3.02	2.70	1.12	+	1.25	+	1.11	19%
2000 - 2003	21,304	91,679	4.30	3.52	42%	3.14	2.84	1.12	+	1.24	+	1.10	18%
2001 - 2004	21,722	93,939	4.32	3.52	41%	3.16	2.88	1.12	+	1.22	+	1.09	19%
2002 - 2005	23,416	104,138	4.45	3.63	40%	3.25	2.98	1.11	+	1.22	+	1.09	18%
CRITICAL CARE MEDICINE / EU-25													
1999 - 2005	10,038	75,062	7.48	6.23	34%	6.07	5.92	1.03	1.05	+	1.03	17%	
1999 - 2002	5,582	19,039	3.41	2.74	47%	2.67	2.61	1.03	1.05	+	1.03	20%	
2000 - 2003	5,859	22,468	3.83	3.10	46%	3.04	2.93	1.02	1.06	+	1.04	19%	
2001 - 2004	5,635	21,415	3.80	3.06	46%	3.06	2.96	1.00	1.04	+	1.04	19%	
2002 - 2005	5,769	23,423	4.06	3.31	44%	3.19	3.10	1.04	1.07	+	1.03	18%	

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
CRITICAL CARE MEDICINE / Finland												
1999 - 2005	204	1,745	8.55	7.27	27%	7.39	6.13	0.98	1.19	1.21	15%	
1999 - 2002	110	396	3.60	2.79	40%	3.35	2.69	0.83	1.04	1.25	22%	
2000 - 2003	124	518	4.18	3.37	40%	3.91	3.27	0.86	1.03	1.20	19%	
2001 - 2004	111	476	4.29	3.59	38%	3.59	3.01	1.00	1.20	1.21	16%	
2002 - 2005	123	593	4.82	4.19	39%	3.78	3.36	1.11	1.25	1.14	13%	
CRITICAL CARE MEDICINE / Ireland												
1999 - 2005	103	423	4.11	3.69	44%	3.82	5.27	0.97	0.70	-	0.74	10%
1999 - 2002	51	104	2.04	1.76	57%	1.72	2.59	1.03	0.68	-	0.70	13%
2000 - 2003	52	102	1.96	1.75	56%	1.76	2.87	1.00	0.61	-	0.62	11%
2001 - 2004	60	129	2.15	2.00	50%	1.99	2.67	1.01	0.75	-	0.76	7%
2002 - 2005	59	104	1.76	1.61	59%	1.97	2.44	0.82	0.66	-	0.81	9%
CRITICAL CARE MEDICINE / UK												
1999 - 2005	2,587	20,094	7.77	6.56	37%	5.65	5.25	1.16	1.25	+	1.08	15%
1999 - 2002	1,383	4,962	3.59	2.95	50%	2.52	2.41	1.17	1.22	+	1.05	18%
2000 - 2003	1,425	5,926	4.16	3.44	48%	2.93	2.72	1.17	1.27	+	1.08	17%
2001 - 2004	1,418	5,498	3.88	3.18	50%	2.76	2.58	1.15	1.23	+	1.07	18%
2002 - 2005	1,556	6,383	4.10	3.39	48%	2.89	2.68	1.17	1.26	+	1.08	17%
CRITICAL CARE MEDICINE / USA												
1999 - 2005	8,852	82,041	9.27	7.79	27%	7.40	6.46	1.05	1.21	+	1.16	16%
1999 - 2002	4,820	20,198	4.19	3.40	39%	3.28	2.89	1.04	1.18	+	1.14	19%
2000 - 2003	5,142	24,018	4.67	3.83	39%	3.68	3.12	1.04	1.23	+	1.18	18%
2001 - 2004	5,088	25,142	4.94	4.05	39%	3.73	3.15	1.09	1.28	+	1.19	18%
2002 - 2005	5,207	27,166	5.22	4.32	37%	3.97	3.40	1.09	1.27	+	1.17	17%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
DENTISTRY, ORAL SURGERY & MEDICINE / EU-25												
1999 - 2005	12,878	55,150	4.28	3.40	37%	3.20	3.42	1.06	+	0.99	0.94	21%
1999 - 2002	6,908	11,963	1.73	1.26	57%	1.19	1.31	1.06	+	0.96	0.92	27%
2000 - 2003	7,049	12,656	1.80	1.32	56%	1.24	1.38	1.07	+	0.96	0.91	26%
2001 - 2004	7,236	14,006	1.94	1.44	54%	1.36	1.51	1.06	+	0.95	0.92	26%
2002 - 2005	7,703	16,224	2.11	1.57	52%	1.51	1.67	1.04	+	0.94	0.92	25%
DENTISTRY, ORAL SURGERY & MEDICINE / Finland												
1999 - 2005	623	2,945	4.73	3.38	34%	3.27	3.43	1.03		0.99	0.99	29%
1999 - 2002	334	651	1.95	1.25	59%	1.22	1.27	1.02		0.98	1.01	36%
2000 - 2003	349	663	1.90	1.23	59%	1.26	1.33	0.98		0.93	0.99	35%
2001 - 2004	380	736	1.94	1.21	55%	1.35	1.44	0.89		0.84	0.97	38%
2002 - 2005	389	962	2.47	1.66	47%	1.68	1.77	0.99		0.94	0.98	33%
DENTISTRY, ORAL SURGERY & MEDICINE / Ireland												
1999 - 2005	143	391	2.73	2.00	45%	2.23	2.73	0.90		0.73	0.83	27%
1999 - 2002	59	60	1.02	0.69	66%	0.86	1.14	0.81		0.61	0.77	32%
2000 - 2003	72	83	1.15	0.82	65%	0.88	1.09	0.93		0.75	0.82	29%
2001 - 2004	91	138	1.52	0.89	66%	0.82	1.06	1.09		0.84	0.84	41%
2002 - 2005	101	182	1.80	1.15	53%	1.28	1.51	0.90		0.76	0.87	36%
DENTISTRY, ORAL SURGERY & MEDICINE / UK												
1999 - 2005	4,377	16,660	3.81	3.05	39%	3.04	3.56	1.00		0.86	0.86	20%
1999 - 2002	2,503	3,904	1.56	1.14	59%	1.13	1.33	1.01		0.86	0.87	27%
2000 - 2003	2,520	4,122	1.64	1.21	58%	1.19	1.44	1.02		0.84	0.85	26%
2001 - 2004	2,415	4,019	1.66	1.25	56%	1.27	1.56	0.99		0.80	0.83	25%
2002 - 2005	2,443	4,576	1.87	1.43	55%	1.37	1.67	1.04		0.86	0.83	24%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm	JCSm/ FCSm	% Self- Citations
DENTISTRY, ORAL SURGERY & MEDICINE / USA												
1999 - 2005	10,443	48,099	4.61	3.73	37%	3.41	3.62	1.09	+	1.03	0.94	19%
1999 - 2002	6,001	11,077	1.85	1.36	57%	1.24	1.35	1.10	+	1.01	0.92	26%
2000 - 2003	5,811	10,963	1.89	1.42	57%	1.29	1.41	1.11	+	1.01	0.92	25%
2001 - 2004	5,819	12,502	2.15	1.65	53%	1.47	1.58	1.13	+	1.05	0.94	23%
2002 - 2005	5,881	14,085	2.40	1.84	51%	1.63	1.75	1.13	+	1.05	+ 0.94	23%
DERMATOLOGY / EU-25												
1999 - 2005	17,870	80,030	4.48	3.66	37%	3.43	3.84	1.07	+	0.95	- 0.90	18%
1999 - 2002	10,409	20,540	1.97	1.53	55%	1.44	1.65	1.06	+	0.93	- 0.88	22%
2000 - 2003	10,291	22,466	2.18	1.71	53%	1.60	1.83	1.07	+	0.93	- 0.89	22%
2001 - 2004	10,025	22,262	2.22	1.76	52%	1.67	1.88	1.05	+	0.93	- 0.90	21%
2002 - 2005	9,940	23,820	2.40	1.90	51%	1.77	1.94	1.07	+	0.98	0.93	21%
DERMATOLOGY / Finland												
1999 - 2005	367	2,429	6.62	5.11	26%	4.75	4.74	1.08		1.08	1.05	23%
1999 - 2002	240	806	3.36	2.40	42%	2.17	2.23	1.11		1.08	1.03	28%
2000 - 2003	202	683	3.38	2.42	38%	2.37	2.45	1.02		0.99	1.03	28%
2001 - 2004	167	487	2.92	2.19	43%	2.07	2.16	1.06		1.01	1.02	25%
2002 - 2005	157	517	3.29	2.41	48%	1.93	1.75	1.25		1.37	1.17	27%
DERMATOLOGY / Ireland												
1999 - 2005	132	715	5.42	4.63	37%	3.86	3.50	1.20		1.32	1.09	15%
1999 - 2002	68	155	2.28	1.94	53%	1.65	1.58	1.17		1.23	1.05	15%
2000 - 2003	71	210	2.96	2.45	39%	1.82	1.86	1.35		1.32	0.99	17%
2001 - 2004	71	252	3.55	2.92	38%	1.86	1.78	1.57	+	1.64	+ 1.03	18%
2002 - 2005	82	333	4.06	3.43	49%	2.00	1.85	1.71		1.85	+ 1.06	16%



Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
DERMATOLOGY / UK													
1999 - 2005	3,785	20,565	5.43	4.47	33%	4.06	3.87	1.10	+	1.16	+	1.05	18%
1999 - 2002	2,226	5,270	2.37	1.86	50%	1.73	1.70	1.08	+	1.10	+	1.02	21%
2000 - 2003	2,174	5,784	2.66	2.09	49%	1.88	1.83	1.11	+	1.14	+	1.03	22%
2001 - 2004	2,059	5,665	2.75	2.21	48%	1.96	1.89	1.13	+	1.16	+	1.04	20%
2002 - 2005	2,043	6,156	3.01	2.41	48%	2.04	1.93	1.18	+	1.25	+	1.06	20%
DERMATOLOGY / USA													
1999 - 2005	10,687	57,616	5.39	4.55	34%	4.26	3.99	1.07	+	1.14	+	1.06	16%
1999 - 2002	5,921	14,492	2.45	1.98	53%	1.87	1.74	1.06	+	1.13	+	1.06	19%
2000 - 2003	6,136	16,547	2.70	2.20	51%	2.03	1.87	1.09	+	1.18	+	1.07	18%
2001 - 2004	6,124	17,074	2.79	2.30	49%	2.11	1.91	1.09	+	1.21	+	1.09	17%
2002 - 2005	6,262	18,496	2.95	2.45	46%	2.23	2.06	1.10	+	1.19	+	1.07	17%
EMERGENCY MEDICINE / EU-25													
1999 - 2005	4,180	8,555	2.05	1.71	50%	1.77	3.60	0.96		0.48	-	0.51	16%
1999 - 2002	2,229	1,973	0.89	0.67	69%	0.68	1.54	0.99		0.44	-	0.48	24%
2000 - 2003	2,273	2,151	0.95	0.72	68%	0.77	1.75	0.94		0.41	-	0.47	24%
2001 - 2004	2,343	2,402	1.03	0.80	66%	0.85	1.84	0.94		0.43	-	0.48	22%
2002 - 2005	2,535	2,895	1.14	0.93	62%	0.96	1.95	0.97		0.48	-	0.51	18%
EMERGENCY MEDICINE / Finland													
1999 - 2005	50	128	2.56	2.20	44%	2.08	3.20	1.06		0.69	-	0.68	14%
1999 - 2002	14	16	1.14	1.00	50%	0.99	1.95	1.01		0.51	-	0.57	13%
2000 - 2003	20	42	2.10	1.95	55%	1.26	2.09	1.54		0.93	-	0.65	7%
2001 - 2004	29	41	1.41	1.21	66%	0.85	1.60	1.42		0.75	-	0.58	15%
2002 - 2005	41	63	1.54	1.20	54%	1.45	1.96	0.82		0.61	-	0.77	22%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
EMERGENCY MEDICINE / Ireland													
1999 - 2005	84	129	1.54	1.49	52%	1.53	3.40	0.98	0.44	-	0.43	3%	
1999 - 2002	36	19	0.53	0.53	75%	0.53	1.55	1.00	0.34	-	0.33	0%	
2000 - 2003	47	17	0.36	0.34	83%	0.58	1.59	0.58	0.21	-	0.35	6%	
2001 - 2004	57	33	0.58	0.54	72%	0.58	1.44	0.93	0.38	-	0.40	6%	
2002 - 2005	58	48	0.83	0.79	67%	0.93	2.06	0.85	0.39	-	0.44	4%	
EMERGENCY MEDICINE / UK													
1999 - 2005	2,148	3,921	1.83	1.59	52%	1.63	3.44	0.98	0.46	-	0.48	13%	
1999 - 2002	1,102	869	0.79	0.66	70%	0.62	1.52	1.05	0.43	-	0.43	17%	
2000 - 2003	1,122	953	0.85	0.70	69%	0.70	1.73	1.00	0.40	-	0.42	18%	
2001 - 2004	1,176	1,139	0.97	0.79	66%	0.84	1.84	0.94	0.43	-	0.47	19%	
2002 - 2005	1,328	1,441	1.09	0.91	64%	0.90	1.87	1.00	0.48	-	0.49	16%	
EMERGENCY MEDICINE / USA													
1999 - 2005	6,549	22,034	3.36	2.97	42%	2.96	3.09	1.00	0.96	-	0.94	12%	
1999 - 2002	3,689	5,756	1.56	1.32	56%	1.33	1.38	0.99	0.96	-	0.95	15%	
2000 - 2003	3,488	5,740	1.65	1.39	56%	1.37	1.39	1.02	1.00	-	0.97	15%	
2001 - 2004	3,519	5,834	1.66	1.40	57%	1.39	1.46	1.01	0.96	-	0.94	15%	
2002 - 2005	3,701	6,522	1.76	1.50	56%	1.49	1.60	1.01	0.94	-	0.92	15%	
ENDOCRINOLOGY & METABOLISM / EU-25													
1999 - 2005	37,131	355,222	9.57	7.64	25%	7.79	8.48	0.98	-	0.90	-	0.92	20%
1999 - 2002	20,167	90,645	4.49	3.40	41%	3.47	3.88	0.98	0.88	-	0.90	24%	
2000 - 2003	20,907	98,718	4.72	3.61	39%	3.71	4.08	0.97	-	0.88	-	0.91	24%
2001 - 2004	21,085	103,984	4.93	3.81	38%	3.94	4.25	0.97	-	0.90	-	0.93	23%
2002 - 2005	21,991	115,690	5.26	4.11	37%	4.16	4.49	0.99	0.91	-	0.93	22%	

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
ENDOCRINOLOGY & METABOLISM / Finland													
1999 - 2005	1,552	19,957	12.86	10.35	17%	9.61	8.43	1.08	+	1.23	+	1.13	19%
1999 - 2002	847	5,094	6.01	4.66	33%	4.27	3.88	1.09		1.20	+	1.09	22%
2000 - 2003	875	5,608	6.41	4.85	31%	4.62	4.03	1.05		1.21	+	1.13	24%
2001 - 2004	867	5,241	6.04	4.62	31%	4.61	4.11	1.00		1.12	+	1.11	24%
2002 - 2005	911	6,098	6.69	5.18	27%	5.27	4.48	0.98		1.16	+	1.17	23%
ENDOCRINOLOGY & METABOLISM / Ireland													
1999 - 2005	244	1,966	8.06	6.50	29%	7.01	7.37	0.93		0.88		0.95	19%
1999 - 2002	112	494	4.41	3.45	33%	3.75	3.85	0.92		0.89		0.96	22%
2000 - 2003	117	545	4.66	3.71	31%	3.88	4.13	0.96		0.90		0.93	20%
2001 - 2004	133	578	4.35	3.32	40%	3.31	3.49	1.00		0.95		0.95	24%
2002 - 2005	161	679	4.22	3.27	42%	3.32	3.86	0.99		0.85		0.87	23%
ENDOCRINOLOGY & METABOLISM / UK													
1999 - 2005	8,382	95,574	11.40	9.29	22%	8.64	8.68	1.08	+	1.07	+	0.99	19%
1999 - 2002	4,548	24,034	5.28	4.10	37%	3.83	4.01	1.07	+	1.02		0.95	22%
2000 - 2003	4,681	25,608	5.47	4.29	35%	4.06	4.15	1.05	+	1.03		0.98	22%
2001 - 2004	4,747	28,059	5.91	4.65	35%	4.29	4.28	1.08	+	1.09	+	1.00	21%
2002 - 2005	4,988	32,090	6.43	5.09	33%	4.69	4.59	1.09	+	1.11	+	1.02	21%
ENDOCRINOLOGY & METABOLISM / USA													
1999 - 2005	29,522	384,377	13.02	10.63	20%	9.77	8.91	1.09	+	1.19	+	1.10	18%
1999 - 2002	15,975	99,691	6.24	4.86	34%	4.46	4.11	1.09	+	1.18	+	1.09	22%
2000 - 2003	16,430	105,667	6.43	5.06	33%	4.61	4.20	1.10	+	1.20	+	1.10	21%
2001 - 2004	16,918	112,811	6.67	5.30	32%	4.87	4.47	1.09	+	1.19	+	1.09	21%
2002 - 2005	17,530	123,933	7.07	5.66	30%	5.22	4.73	1.08	+	1.20	+	1.11	20%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
ENGINEERING, BIOMEDICAL / EU-25													
1999 - 2005	12,701	64,499	5.08	3.62	37%	3.83	4.22	0.95	-	0.86	-	0.94	29%
1999 - 2002	6,879	13,794	2.01	1.22	60%	1.27	1.52	0.96		0.80	-	0.90	39%
2000 - 2003	7,288	16,070	2.20	1.41	57%	1.47	1.71	0.96		0.82	-	0.91	36%
2001 - 2004	7,502	18,167	2.42	1.57	54%	1.65	1.91	0.95	-	0.82	-	0.91	35%
2002 - 2005	7,698	21,112	2.74	1.86	50%	1.97	2.24	0.94	-	0.83	-	0.91	32%
ENGINEERING, BIOMEDICAL / Finland													
1999 - 2005	403	2,483	6.16	4.10	34%	4.28	4.37	0.96		0.94		1.00	34%
1999 - 2002	230	571	2.48	1.38	53%	1.30	1.45	1.06		0.95		0.96	44%
2000 - 2003	240	602	2.51	1.42	57%	1.48	1.59	0.96		0.89		0.98	44%
2001 - 2004	236	695	2.94	1.69	47%	1.98	2.06	0.85		0.82	-	1.00	43%
2002 - 2005	235	835	3.55	2.12	50%	2.30	2.42	0.92		0.88		0.98	40%
ENGINEERING, BIOMEDICAL / Ireland													
1999 - 2005	185	792	4.28	3.27	48%	3.29	3.81	1.00		0.86		0.90	24%
1999 - 2002	81	144	1.78	1.25	56%	1.20	1.53	1.04		0.81		0.87	30%
2000 - 2003	100	205	2.05	1.38	59%	1.28	1.58	1.08		0.87		0.87	33%
2001 - 2004	112	250	2.23	1.46	67%	1.30	1.74	1.12		0.84		0.83	35%
2002 - 2005	125	318	2.54	1.84	60%	1.58	1.96	1.16		0.94		0.86	28%
ENGINEERING, BIOMEDICAL / UK													
1999 - 2005	2,933	15,746	5.37	3.84	35%	4.00	4.46	0.96		0.86	-	0.93	28%
1999 - 2002	1,684	3,421	2.03	1.25	60%	1.28	1.55	0.98		0.81	-	0.90	39%
2000 - 2003	1,689	3,954	2.34	1.54	55%	1.59	1.85	0.97		0.83	-	0.92	34%
2001 - 2004	1,755	4,385	2.50	1.63	53%	1.75	2.03	0.93		0.80	-	0.91	35%
2002 - 2005	1,701	4,837	2.84	1.90	48%	2.03	2.34	0.94		0.81	-	0.91	33%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
ENGINEERING, BIOMEDICAL / USA													
1999 - 2005	10,814	66,573	6.16	4.66	36%	4.09	4.32	1.14	+	1.08	+	0.97	24%
1999 - 2002	5,542	13,805	2.49	1.69	54%	1.48	1.71	1.14	+	0.99		0.91	32%
2000 - 2003	5,917	16,672	2.82	1.97	53%	1.73	1.93	1.13	+	1.02		0.94	30%
2001 - 2004	6,150	17,539	2.85	1.96	53%	1.69	1.89	1.16	+	1.04		0.94	31%
2002 - 2005	6,621	21,153	3.19	2.26	49%	1.93	2.14	1.17	+	1.06	+	0.94	29%
GASTROENTEROLOGY & HEPATOLOGY / EU-25													
1999 - 2005	26,754	214,544	8.02	6.78	31%	6.45	6.33	1.05	+	1.07	+	1.02	15%
1999 - 2002	14,951	58,169	3.89	3.19	45%	3.03	2.97	1.05	+	1.07	+	1.02	18%
2000 - 2003	15,168	60,844	4.01	3.32	44%	3.15	3.13	1.05	+	1.06	+	1.01	17%
2001 - 2004	15,167	62,521	4.12	3.43	43%	3.27	3.20	1.05	+	1.07	+	1.02	17%
2002 - 2005	15,504	67,699	4.37	3.63	42%	3.48	3.34	1.04	+	1.09	+	1.04	17%
GASTROENTEROLOGY & HEPATOLOGY / Finland													
1999 - 2005	498	5,274	10.59	8.59	21%	7.61	6.72	1.13		1.28	+	1.14	19%
1999 - 2002	276	1,494	5.41	4.19	34%	3.71	3.31	1.13		1.26	+	1.13	23%
2000 - 2003	267	1,423	5.33	4.19	29%	3.93	3.45	1.07		1.22	+	1.16	21%
2001 - 2004	274	1,394	5.09	4.07	34%	4.04	3.39	1.01		1.20		1.20	20%
2002 - 2005	287	1,655	5.77	4.58	33%	3.66	3.29	1.25	+	1.39	+	1.12	21%
GASTROENTEROLOGY & HEPATOLOGY / Ireland													
1999 - 2005	355	4,183	11.78	10.09	24%	8.29	6.56	1.22	+	1.54	+	1.25	14%
1999 - 2002	192	1,215	6.33	5.31	42%	3.92	2.99	1.35		1.78	+	1.31	16%
2000 - 2003	216	1,182	5.47	4.57	38%	3.66	2.88	1.25		1.59	+	1.26	16%
2001 - 2004	224	1,256	5.61	4.61	36%	3.93	3.21	1.17		1.43	+	1.20	18%
2002 - 2005	210	1,439	6.85	5.61	31%	4.48	3.82	1.25		1.47	+	1.15	18%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
GASTROENTEROLOGY & HEPATOLOGY / UK													
1999 - 2005	4,703	48,220	10.25	8.83	26%	8.07	6.53	1.10	+	1.35	+	1.23	14%
1999 - 2002	2,637	13,242	5.02	4.20	41%	3.77	3.08	1.11	+	1.37	+	1.22	16%
2000 - 2003	2,635	13,394	5.08	4.29	39%	3.92	3.24	1.10	+	1.33	+	1.20	16%
2001 - 2004	2,625	13,706	5.22	4.40	36%	4.15	3.37	1.06	+	1.30	+	1.22	16%
2002 - 2005	2,746	15,349	5.59	4.72	36%	4.32	3.37	1.09	+	1.40	+	1.27	16%
GASTROENTEROLOGY & HEPATOLOGY / USA													
1999 - 2005	16,601	179,992	10.84	9.29	25%	8.54	6.60	1.09	+	1.41	+	1.29	14%
1999 - 2002	9,191	47,810	5.20	4.32	40%	3.98	3.10	1.09	+	1.39	+	1.27	17%
2000 - 2003	9,312	50,445	5.42	4.53	38%	4.16	3.20	1.09	+	1.42	+	1.29	16%
2001 - 2004	9,437	53,735	5.69	4.78	36%	4.42	3.36	1.08	+	1.42	+	1.31	16%
2002 - 2005	9,765	58,815	6.02	5.07	35%	4.69	3.54	1.08	+	1.43	+	1.32	16%
GERIATRICS & GERONTOLOGY / EU-25													
1999 - 2005	6,395	35,514	5.55	4.45	34%	4.65	4.97	0.96	-	0.90	-	0.94	20%
1999 - 2002	3,273	8,390	2.56	1.96	50%	2.05	2.18	0.96		0.90	-	0.95	23%
2000 - 2003	3,541	9,932	2.80	2.15	49%	2.32	2.50	0.93	-	0.86	-	0.93	23%
2001 - 2004	3,779	10,849	2.87	2.21	48%	2.34	2.57	0.95	-	0.86	-	0.91	23%
2002 - 2005	3,958	11,863	3.00	2.32	46%	2.38	2.56	0.98		0.91	-	0.93	22%
GERIATRICS & GERONTOLOGY / Finland													
1999 - 2005	228	1,405	6.16	4.99	28%	4.62	4.65	1.08		1.07		0.98	19%
1999 - 2002	112	335	2.99	2.36	47%	2.36	2.32	1.00		1.01		1.01	21%
2000 - 2003	115	351	3.05	2.45	44%	2.54	2.34	0.97		1.05		1.06	20%
2001 - 2004	128	302	2.36	1.84	52%	1.90	1.95	0.97		0.95		0.94	22%
2002 - 2005	137	422	3.08	2.38	38%	2.03	2.20	1.17		1.08		0.91	23%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
GERIATRICS & GERONTOLOGY / Ireland													
1999 - 2005	103	576	5.59	5.03	33%	5.97	5.40	0.84	0.93	1.07	10%		
1999 - 2002	62	195	3.15	2.66	39%	2.68	2.38	0.99	1.12	1.08	15%		
2000 - 2003	51	125	2.45	2.10	37%	2.59	2.46	0.81	0.85	1.02	14%		
2001 - 2004	55	149	2.71	2.45	42%	2.83	2.86	0.87	0.86	0.96	9%		
2002 - 2005	53	131	2.47	2.19	57%	2.21	2.34	0.99	0.94	0.92	11%		
GERIATRICS & GERONTOLOGY / UK													
1999 - 2005	1,858	9,509	5.12	4.34	37%	4.55	4.67	0.96	0.93	-	0.95	15%	
1999 - 2002	956	2,196	2.30	1.87	50%	1.96	1.98	0.96	0.95	-	0.97	18%	
2000 - 2003	1,039	2,738	2.64	2.15	48%	2.27	2.40	0.95	0.89	-	0.93	19%	
2001 - 2004	1,096	3,103	2.83	2.32	49%	2.22	2.43	1.05	0.95	-	0.90	18%	
2002 - 2005	1,156	3,130	2.71	2.22	47%	2.25	2.45	0.98	0.90	-	0.90	18%	
GERIATRICS & GERONTOLOGY / USA													
1999 - 2005	7,579	58,158	7.67	6.39	30%	5.85	5.09	1.09	+	1.26	+	1.14	17%
1999 - 2002	4,093	13,683	3.34	2.63	45%	2.39	2.10	1.10	+	1.25	+	1.13	21%
2000 - 2003	4,299	17,485	4.07	3.26	41%	2.97	2.52	1.10	+	1.29	+	1.17	20%
2001 - 2004	4,372	18,144	4.15	3.35	42%	3.04	2.60	1.10	+	1.29	+	1.16	19%
2002 - 2005	4,620	19,403	4.20	3.42	40%	3.14	2.72	1.09	+	1.26	+	1.15	19%
GERONTOLOGY / EU-25													
1999 - 2005	2,825	14,012	4.96	3.92	38%	3.98	4.14	0.99	0.95	0.96	21%		
1999 - 2002	1,474	3,130	2.12	1.59	54%	1.63	1.75	0.97	0.91	-	0.93	25%	
2000 - 2003	1,597	4,025	2.52	1.89	53%	1.94	2.01	0.97	0.94	0.97	25%		
2001 - 2004	1,605	4,218	2.63	1.99	50%	2.00	2.05	1.00	0.97	0.97	24%		
2002 - 2005	1,732	4,296	2.48	1.88	51%	1.86	1.93	1.01	0.97	0.97	24%		

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
GERONTOLOGY / Finland												
1999 - 2005	93	565	6.08	4.81	33%	4.46	3.92	1.08	1.23	1.13	21%	
1999 - 2002	46	104	2.26	1.74	52%	1.94	1.59	0.90	1.10	1.21	23%	
2000 - 2003	55	162	2.95	2.18	42%	2.43	2.21	0.90	0.99	1.10	26%	
2001 - 2004	57	128	2.25	1.79	44%	2.00	1.96	0.90	0.91	1.01	20%	
2002 - 2005	58	163	2.81	2.36	48%	1.78	1.75	1.33	1.35	1.01	16%	
GERONTOLOGY / Ireland												
1999 - 2005	55	245	4.45	4.15	38%	5.85	4.43	0.71	0.93	1.26	7%	
1999 - 2002	31	72	2.32	2.23	42%	2.48	1.98	0.90	1.12	1.20	4%	
2000 - 2003	25	65	2.60	2.40	36%	3.10	2.31	0.77	1.04	1.28	8%	
2001 - 2004	26	102	3.92	3.50	42%	4.28	3.02	0.82	1.16	1.35	11%	
2002 - 2005	29	75	2.59	2.14	62%	2.65	1.55	0.81	1.38	1.58	17%	
GERONTOLOGY / UK												
1999 - 2005	1,014	4,481	4.42	3.69	36%	3.97	4.38	0.93	0.84	-	0.90	17%
1999 - 2002	545	960	1.76	1.41	54%	1.59	1.83	0.88	0.77	-	0.86	20%
2000 - 2003	590	1,244	2.11	1.68	53%	1.79	2.04	0.94	0.82	-	0.88	20%
2001 - 2004	569	1,392	2.45	1.94	50%	1.83	2.04	1.06	0.95	-	0.90	21%
2002 - 2005	611	1,446	2.37	1.83	48%	1.88	2.10	0.97	0.87	-	0.91	23%
GERONTOLOGY / USA												
1999 - 2005	7,164	44,325	6.19	5.09	37%	4.87	4.14	1.05	1.23	+	1.17	18%
1999 - 2002	3,841	10,002	2.60	2.03	52%	1.93	1.66	1.05	1.23	+	1.16	22%
2000 - 2003	4,197	12,939	3.08	2.41	48%	2.31	1.97	1.05	1.22	+	1.17	22%
2001 - 2004	4,163	13,214	3.17	2.49	50%	2.38	1.98	1.05	1.26	+	1.19	22%
2002 - 2005	4,419	14,051	3.18	2.53	50%	2.42	2.05	1.05	1.24	+	1.17	20%



Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
HEALTH CARE SCIENCES & SERVICES / EU-25													
1999 - 2005	7,923	30,326	3.83	3.14	40%	3.01	3.56	1.05	+	0.88	-	0.85	18%
1999 - 2002	4,043	7,126	1.76	1.35	55%	1.33	1.63	1.02		0.83	-	0.83	23%
2000 - 2003	4,307	7,815	1.81	1.40	55%	1.35	1.68	1.04		0.83	-	0.82	23%
2001 - 2004	4,425	8,114	1.83	1.44	54%	1.37	1.74	1.05		0.83	-	0.81	22%
2002 - 2005	4,903	9,978	2.04	1.60	52%	1.52	1.87	1.05	+	0.86	-	0.83	21%
HEALTH CARE SCIENCES & SERVICES / Finland													
1999 - 2005	234	820	3.50	2.75	38%	2.71	3.73	1.01		0.74	-	0.75	22%
1999 - 2002	127	192	1.51	1.00	57%	1.11	1.43	0.90		0.70	-	0.81	34%
2000 - 2003	150	231	1.54	1.11	60%	1.18	1.70	0.95		0.66	-	0.73	28%
2001 - 2004	139	204	1.47	1.11	58%	1.22	1.92	0.91		0.58	-	0.68	25%
2002 - 2005	142	279	1.96	1.55	53%	1.36	2.32	1.14		0.67	-	0.63	21%
HEALTH CARE SCIENCES & SERVICES / Ireland													
1999 - 2005	83	320	3.86	3.08	41%	3.53	4.04	0.87		0.76		0.87	20%
1999 - 2002	50	83	1.66	1.16	56%	1.51	1.77	0.77		0.66	-	0.85	30%
2000 - 2003	46	77	1.67	1.30	59%	1.51	1.72	0.86		0.76	-	0.90	22%
2001 - 2004	41	64	1.56	1.20	51%	1.53	2.03	0.78		0.59	-	0.78	23%
2002 - 2005	48	86	1.79	1.21	56%	1.57	2.13	0.77		0.57	-	0.75	33%
HEALTH CARE SCIENCES & SERVICES / UK													
1999 - 2005	3,918	16,668	4.25	3.59	38%	3.19	3.51	1.13	+	1.02		0.91	16%
1999 - 2002	2,028	3,893	1.92	1.51	52%	1.40	1.57	1.08	+	0.97		0.89	21%
2000 - 2003	2,159	4,103	1.90	1.51	52%	1.39	1.60	1.09	+	0.94		0.87	20%
2001 - 2004	2,221	4,720	2.13	1.72	51%	1.46	1.71	1.17	+	1.00		0.87	19%
2002 - 2005	2,437	5,794	2.38	1.94	49%	1.65	1.89	1.17	+	1.02		0.88	19%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
HEALTH CARE SCIENCES & SERVICES / USA													
1999 - 2005	13,020	63,484	4.88	4.17	37%	3.94	3.53	1.06	+	1.18	+	1.10	15%
1999 - 2002	7,134	16,209	2.27	1.86	53%	1.73	1.55	1.07	+	1.20	+	1.10	18%
2000 - 2003	7,164	16,563	2.31	1.91	52%	1.81	1.66	1.06	+	1.15	+	1.07	18%
2001 - 2004	7,285	17,566	2.41	1.99	49%	1.90	1.75	1.04	+	1.14	+	1.07	17%
2002 - 2005	7,619	19,517	2.56	2.12	49%	2.03	1.81	1.05	+	1.17	+	1.11	17%
HEALTH POLICY & SERVICES / EU-25													
1999 - 2005	2,490	9,932	3.99	3.28	40%	3.09	3.28	1.06		1.00		0.95	18%
1999 - 2002	1,203	2,076	1.73	1.29	58%	1.27	1.50	1.02		0.86	-	0.86	25%
2000 - 2003	1,310	2,451	1.87	1.45	56%	1.39	1.58	1.04		0.91		0.89	23%
2001 - 2004	1,421	2,831	1.99	1.59	56%	1.38	1.54	1.15	+	1.03		0.91	20%
2002 - 2005	1,593	3,253	2.04	1.61	54%	1.51	1.64	1.07		0.98		0.93	21%
HEALTH POLICY & SERVICES / Finland													
1999 - 2005	75	330	4.40	3.37	41%	3.13	3.77	1.08		0.89		0.84	23%
1999 - 2002	42	74	1.76	1.05	57%	1.31	1.56	0.80		0.67		0.86	41%
2000 - 2003	43	96	2.23	1.58	51%	1.40	1.90	1.13		0.83		0.75	29%
2001 - 2004	42	84	2.00	1.60	55%	1.37	1.74	1.16		0.91		0.79	20%
2002 - 2005	43	66	1.53	1.14	56%	1.12	1.76	1.02		0.65	-	0.66	26%
HEALTH POLICY & SERVICES / Ireland													
1999 - 2005	26	162	6.23	4.77	42%	4.18	3.60	1.14		1.32		1.14	23%
1999 - 2002	15	43	2.87	1.60	53%	1.69	1.61	0.95		0.99		1.06	44%
2000 - 2003	12	36	3.00	2.25	50%	2.11	2.04	1.07		1.10		1.04	25%
2001 - 2004	11	16	1.45	1.18	64%	2.25	2.10	0.53		0.56		1.07	19%
2002 - 2005	14	22	1.57	1.07	64%	1.38	1.41	0.77		0.76		0.96	32%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
HEALTH POLICY & SERVICES / UK													
1999 - 2005	1,180	5,536	4.69	3.93	38%	3.21	3.24	1.22	+	1.21	+	0.99	16%
1999 - 2002	551	1,053	1.91	1.45	54%	1.29	1.54	1.13		0.94		0.86	24%
2000 - 2003	599	1,201	2.01	1.59	52%	1.42	1.55	1.12		1.03		0.93	21%
2001 - 2004	674	1,673	2.48	2.04	53%	1.48	1.48	1.38	+	1.38	+	1.01	18%
2002 - 2005	771	2,012	2.61	2.10	51%	1.65	1.66	1.27	+	1.26	+	1.00	20%
HEALTH POLICY & SERVICES / USA													
1999 - 2005	10,515	53,492	5.09	4.32	36%	4.11	3.66	1.05	+	1.18	+	1.11	15%
1999 - 2002	5,742	13,459	2.34	1.89	52%	1.78	1.61	1.06	+	1.17	+	1.10	19%
2000 - 2003	5,709	14,033	2.46	2.01	50%	1.93	1.72	1.04		1.16	+	1.11	18%
2001 - 2004	5,771	14,711	2.55	2.09	49%	2.03	1.75	1.03		1.19	+	1.14	18%
2002 - 2005	6,193	15,798	2.55	2.10	49%	2.04	1.77	1.03		1.19	+	1.14	18%
HAEMATOLOGY / EU-25													
1999 - 2005	35,097	407,539	11.61	9.52	26%	9.28	8.68	1.03	+	1.10	+	1.07	18%
1999 - 2002	19,197	107,326	5.59	4.42	40%	4.32	4.11	1.02		1.08	+	1.05	21%
2000 - 2003	19,701	118,252	6.00	4.79	38%	4.68	4.32	1.02		1.11	+	1.08	20%
2001 - 2004	19,759	121,879	6.17	4.96	37%	4.79	4.42	1.04	+	1.12	+	1.08	20%
2002 - 2005	20,867	138,394	6.63	5.35	36%	5.16	4.76	1.04	+	1.12	+	1.09	19%
HAEMATOLOGY / Finland													
1999 - 2005	665	10,424	15.68	12.58	17%	12.51	9.49	1.01		1.33	+	1.31	20%
1999 - 2002	391	2,886	7.38	5.63	34%	5.71	4.37	0.98		1.29	+	1.31	24%
2000 - 2003	391	3,194	8.17	6.31	32%	6.05	4.56	1.04		1.38	+	1.32	23%
2001 - 2004	363	2,860	7.88	6.33	28%	5.87	4.52	1.08		1.40	+	1.29	20%
2002 - 2005	375	3,131	8.35	6.70	27%	6.66	5.18	1.01		1.29	+	1.28	20%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
HAEMATOLOGY / Ireland													
1999 - 2005	270	2,924	10.83	9.44	25%	8.51	8.25	1.11	1.14	1.03	13%		
1999 - 2002	138	816	5.91	5.07	33%	4.26	4.14	1.19	1.22	1.03	14%		
2000 - 2003	144	989	6.87	5.87	31%	4.59	4.44	1.28	1.32	1.04	15%		
2001 - 2004	145	659	4.54	3.92	33%	4.18	4.10	0.94	0.96	1.03	14%		
2002 - 2005	170	882	5.19	4.36	37%	4.72	4.46	0.93	0.98	1.06	16%		
HAEMATOLOGY / UK													
1999 - 2005	7,320	92,863	12.69	10.44	25%	9.76	8.86	1.07	+	1.18	+	1.10	18%
1999 - 2002	3,997	24,020	6.01	4.76	40%	4.46	4.14	1.07	+	1.15	+	1.08	21%
2000 - 2003	4,155	26,929	6.48	5.16	38%	4.89	4.39	1.05	+	1.18	+	1.12	20%
2001 - 2004	4,189	28,201	6.73	5.42	36%	5.04	4.51	1.07	+	1.20	+	1.12	20%
2002 - 2005	4,406	32,731	7.43	6.00	34%	5.52	4.94	1.09	+	1.21	+	1.12	19%
HAEMATOLOGY / USA													
1999 - 2005	27,530	430,805	15.65	13.03	21%	12.43	8.78	1.05	+	1.48	+	1.41	17%
1999 - 2002	14,730	110,823	7.52	6.07	34%	5.71	4.01	1.06	+	1.51	+	1.41	19%
2000 - 2003	15,763	127,263	8.07	6.54	32%	6.22	4.39	1.05	+	1.49	+	1.41	19%
2001 - 2004	16,136	134,499	8.34	6.77	31%	6.45	4.57	1.05	+	1.48	+	1.40	19%
2002 - 2005	16,695	149,167	8.93	7.32	29%	6.94	4.97	1.06	+	1.47	+	1.39	18%
IMMUNOLOGY / EU-25													
1999 - 2005	53,258	578,352	10.86	8.78	25%	8.62	9.29	1.02	+	0.94	-	0.93	19%
1999 - 2002	30,346	163,362	5.38	4.17	39%	4.11	4.48	1.01		0.93	-	0.93	23%
2000 - 2003	30,074	171,773	5.71	4.48	38%	4.40	4.68	1.02		0.96	-	0.95	22%
2001 - 2004	29,932	173,199	5.79	4.58	37%	4.48	4.78	1.02	+	0.96	-	0.95	21%
2002 - 2005	30,422	183,443	6.03	4.81	36%	4.67	4.95	1.03	+	0.97	-	0.95	20%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
IMMUNOLOGY / Finland													
1999 - 2005	1,328	15,041	11.33	9.11	22%	7.62	8.96	1.19	+	1.02	0.86	20%	
1999 - 2002	783	4,418	5.64	4.24	37%	3.36	4.12	1.26	+	1.03	0.83	25%	
2000 - 2003	780	4,296	5.51	4.32	38%	3.60	4.39	1.20	+	0.98	0.83	22%	
2001 - 2004	773	4,769	6.17	4.93	34%	4.04	4.81	1.22	+	1.03	0.85	20%	
2002 - 2005	731	4,518	6.18	4.88	33%	4.43	4.73	1.10		1.03	0.94	21%	
IMMUNOLOGY / Ireland													
1999 - 2005	466	6,493	13.93	11.60	20%	8.78	8.82	1.32	+	1.31	+	1.01	17%
1999 - 2002	248	1,617	6.52	5.16	30%	4.02	4.17	1.29	+	1.24	+	0.98	21%
2000 - 2003	257	1,977	7.69	6.11	27%	4.80	4.94	1.27	+	1.24	+	0.99	21%
2001 - 2004	265	2,175	8.21	6.65	28%	4.92	4.82	1.35	+	1.38	+	1.03	19%
2002 - 2005	285	2,671	9.37	7.87	32%	4.99	4.84	1.58	+	1.63	+	1.04	16%
IMMUNOLOGY / UK													
1999 - 2005	12,217	156,746	12.83	10.50	22%	9.84	9.59	1.07	+	1.09	+	1.03	18%
1999 - 2002	6,953	45,000	6.47	5.10	34%	4.70	4.66	1.08	+	1.09	+	1.02	21%
2000 - 2003	6,794	47,532	7.00	5.59	33%	5.22	4.98	1.07	+	1.12	+	1.05	20%
2001 - 2004	6,810	47,390	6.96	5.57	33%	5.18	4.94	1.07	+	1.13	+	1.05	20%
2002 - 2005	6,890	48,897	7.10	5.70	32%	5.38	5.06	1.06	+	1.13	+	1.07	20%
IMMUNOLOGY / USA													
1999 - 2005	52,368	775,463	14.81	12.40	20%	11.92	9.74	1.04	+	1.27	+	1.21	16%
1999 - 2002	29,763	221,652	7.45	6.03	33%	5.79	4.69	1.04	+	1.29	+	1.22	19%
2000 - 2003	29,406	229,560	7.81	6.39	32%	6.13	4.97	1.04	+	1.28	+	1.22	18%
2001 - 2004	29,378	231,989	7.90	6.50	30%	6.22	5.06	1.04	+	1.28	+	1.22	18%
2002 - 2005	29,598	238,726	8.07	6.68	30%	6.39	5.21	1.05	+	1.28	+	1.22	17%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
INFECTIOUS DISEASES / EU-25													
1999 - 2005	25,525	202,725	7.94	6.38	28%	6.22	6.65	1.03	+	0.96	-	0.92	20%
1999 - 2002	13,929	55,049	3.95	3.04	43%	2.96	3.16	1.03		0.96	-	0.92	23%
2000 - 2003	14,598	57,611	3.95	3.05	42%	2.95	3.23	1.04	+	0.94	-	0.90	23%
2001 - 2004	14,597	60,822	4.17	3.25	40%	3.13	3.41	1.04	+	0.96	-	0.91	22%
2002 - 2005	15,072	67,026	4.45	3.48	39%	3.37	3.58	1.03	+	0.97	-	0.93	22%
INFECTIOUS DISEASES / Finland													
1999 - 2005	566	5,684	10.04	7.91	21%	7.03	7.47	1.12		1.06		0.94	21%
1999 - 2002	327	1,698	5.19	3.87	35%	3.18	3.56	1.22	+	1.09		0.89	26%
2000 - 2003	321	1,597	4.98	3.60	35%	3.49	3.67	1.03		0.98		0.95	28%
2001 - 2004	313	1,570	5.02	3.69	38%	3.63	3.77	1.02		0.98		0.96	26%
2002 - 2005	310	1,626	5.25	3.95	34%	3.84	3.77	1.03		1.05		1.01	25%
INFECTIOUS DISEASES / Ireland													
1999 - 2005	251	2,212	8.81	6.86	23%	6.77	7.39	1.01		0.93		0.93	22%
1999 - 2002	145	609	4.20	3.07	32%	3.19	3.51	0.96		0.87		0.92	27%
2000 - 2003	138	655	4.75	3.50	32%	3.35	3.82	1.04		0.92		0.89	26%
2001 - 2004	130	733	5.64	4.11	35%	3.79	3.91	1.08		1.05		0.98	27%
2002 - 2005	142	741	5.22	3.92	36%	3.59	3.83	1.09		1.02		0.94	25%
INFECTIOUS DISEASES / UK													
1999 - 2005	7,288	63,836	8.76	7.12	26%	6.42	6.76	1.11	+	1.05	+	0.94	19%
1999 - 2002	4,008	17,416	4.35	3.37	39%	3.03	3.23	1.11	+	1.04		0.93	23%
2000 - 2003	4,087	18,323	4.48	3.50	39%	3.10	3.32	1.13	+	1.05	+	0.93	22%
2001 - 2004	4,106	19,600	4.77	3.77	38%	3.28	3.47	1.15	+	1.09	+	0.94	21%
2002 - 2005	4,231	21,295	5.03	3.99	37%	3.56	3.62	1.12	+	1.10	+	0.99	21%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
INFECTIOUS DISEASES / USA													
1999 - 2005	23,395	245,163	10.48	8.62	23%	8.09	7.42	1.06	+	1.16	+	1.08	18%
1999 - 2002	12,768	67,568	5.29	4.17	36%	3.94	3.69	1.06	+	1.13	+	1.06	21%
2000 - 2003	12,916	68,800	5.33	4.23	35%	4.00	3.74	1.06	+	1.13	+	1.07	20%
2001 - 2004	12,884	71,240	5.53	4.44	33%	4.16	3.77	1.07	+	1.18	+	1.10	20%
2002 - 2005	13,699	78,326	5.72	4.61	33%	4.27	3.82	1.08	+	1.21	+	1.11	19%
INTEGRATIVE & COMPLEMENTARY MEDICINE / EU-25													
1999 - 2005	1,203	3,680	3.06	2.37	46%	2.20	3.33	1.08		0.71	-	0.68	22%
1999 - 2002	608	770	1.27	0.90	63%	0.80	1.41	1.12		0.64	-	0.61	29%
2000 - 2003	657	1,048	1.60	1.13	63%	1.02	1.66	1.11		0.68	-	0.65	29%
2001 - 2004	686	1,211	1.77	1.31	57%	1.17	1.79	1.13		0.73	-	0.69	26%
2002 - 2005	770	1,266	1.64	1.23	58%	1.09	1.76	1.13		0.70	-	0.65	25%
INTEGRATIVE & COMPLEMENTARY MEDICINE / Finland													
1999 - 2005	16	78	4.88	3.88	44%	2.03	3.17	1.91		1.22		0.67	21%
1999 - 2002	9	9	1.00	0.67	67%	0.48	1.04	1.38		0.64		0.53	33%
2000 - 2003	8	10	1.25	1.13	75%	0.77	1.43	1.47		0.79		0.61	10%
2001 - 2004	7	19	2.71	2.43	14%	1.42	2.50	1.71		0.97		0.62	11%
2002 - 2005	12	38	3.17	2.83	58%	1.36	2.27	2.09		1.25		0.64	11%
INTEGRATIVE & COMPLEMENTARY MEDICINE / Ireland													
1999 - 2005	3	5	1.67	1.33	0%	1.25	1.43	1.07	?	0.93	?	0.83	20%
1999 - 2002	0	.	.	.	.	.	.	.	-	0.00	-	0.40	.
2000 - 2003	1	0	0.00	0.00	100%	0.05	0.16	0.00	-	0.00	-	0.40	.
2001 - 2004	3	2	0.67	0.33	67%	0.34	0.44	0.98	?	0.75	?	0.70	50%
2002 - 2005	3	5	1.67	1.33	0%	1.25	1.43	1.07	?	0.93	?	0.83	20%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
INTEGRATIVE & COMPLEMENTARY MEDICINE / UK												
1999 - 2005	344	1,153	3.35	2.69	45%	2.47	2.89	1.09	0.93	0.86	20%	
1999 - 2002	172	265	1.54	1.17	59%	1.01	1.14	1.16	1.03	0.91	24%	
2000 - 2003	194	388	2.00	1.55	60%	1.29	1.39	1.20	1.11	0.94	23%	
2001 - 2004	203	511	2.52	1.95	53%	1.69	1.77	1.15	1.10	0.97	23%	
2002 - 2005	225	381	1.69	1.31	57%	1.19	1.59	1.10	0.82	0.77	23%	
INTEGRATIVE & COMPLEMENTARY MEDICINE / USA												
1999 - 2005	1,351	3,569	2.64	2.21	51%	2.13	3.01	1.04	0.73	-	0.70	16%
1999 - 2002	678	831	1.23	0.97	62%	0.94	1.35	1.03	0.72	-	0.69	21%
2000 - 2003	695	893	1.28	1.02	60%	0.96	1.40	1.06	0.73	-	0.68	20%
2001 - 2004	786	1,120	1.42	1.11	62%	1.07	1.48	1.04	0.75	-	0.73	22%
2002 - 2005	890	1,261	1.42	1.09	61%	1.11	1.60	0.99	0.68	-	0.70	23%
MATERIALS SCIENCE, BIOMATERIALS / EU-25												
1999 - 2005	4,520	29,764	6.58	4.71	33%	5.32	4.62	0.88	-	1.02	1.15	29%
1999 - 2002	2,353	5,880	2.50	1.48	56%	1.67	1.58	0.89	-	0.94	1.08	41%
2000 - 2003	2,466	6,677	2.71	1.68	55%	1.90	1.70	0.89	-	0.99	1.12	38%
2001 - 2004	2,668	8,080	3.03	1.95	50%	2.17	2.02	0.90	-	0.96	1.08	36%
2002 - 2005	2,826	9,872	3.49	2.37	46%	2.61	2.35	0.91	-	1.01	1.11	32%
MATERIALS SCIENCE, BIOMATERIALS / Finland												
1999 - 2005	183	1,165	6.37	4.27	39%	5.37	4.33	0.80	-	0.99	1.23	33%
1999 - 2002	96	222	2.31	1.21	59%	1.66	1.34	0.73	0.90	1.24	48%	
2000 - 2003	100	279	2.79	1.51	59%	1.90	1.52	0.79	1.00	1.23	46%	
2001 - 2004	111	353	3.18	1.88	50%	2.48	2.10	0.76	0.90	1.17	41%	
2002 - 2005	116	384	3.31	1.92	56%	2.49	2.25	0.77	0.86	1.11	42%	



Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
MATERIALS SCIENCE, BIOMATERIALS / Ireland													
1999 - 2005	60	337	5.62	4.68	40%	5.49	4.81	0.85	0.97	1.13	17%		
1999 - 2002	32	65	2.03	1.41	47%	1.81	1.62	0.78	0.87	1.12	31%		
2000 - 2003	32	84	2.63	2.19	50%	2.34	1.99	0.94	1.10	1.17	17%		
2001 - 2004	35	96	2.74	2.26	69%	2.02	2.04	1.12	1.11	1.03	18%		
2002 - 2005	34	82	2.41	2.09	59%	2.05	2.26	1.02	0.92	0.93	13%		
MATERIALS SCIENCE, BIOMATERIALS / UK													
1999 - 2005	1,060	7,199	6.79	4.82	32%	5.48	4.73	0.88	-	1.02	1.14	29%	
1999 - 2002	560	1,429	2.55	1.53	56%	1.76	1.67	0.87	0.92	1.06	40%		
2000 - 2003	560	1,590	2.84	1.81	53%	1.99	1.71	0.91	1.06	1.14	36%		
2001 - 2004	637	1,874	2.94	1.82	53%	2.08	1.96	0.88	0.93	1.06	38%		
2002 - 2005	640	2,236	3.49	2.33	45%	2.49	2.26	0.94	1.03	1.10	33%		
MATERIALS SCIENCE, BIOMATERIALS / USA													
1999 - 2005	3,254	28,207	8.67	6.81	29%	5.69	4.42	1.20	+	1.54	+	1.26	21%
1999 - 2002	1,551	5,510	3.55	2.49	47%	2.05	1.68	1.22	+	1.49	+	1.20	30%
2000 - 2003	1,669	6,312	3.78	2.74	48%	2.26	1.78	1.21	+	1.54	+	1.24	28%
2001 - 2004	1,865	6,663	3.57	2.53	48%	2.04	1.76	1.24	+	1.44	+	1.16	29%
2002 - 2005	2,091	8,587	4.11	2.97	42%	2.47	2.12	1.20	+	1.40	+	1.17	28%
MEDICAL INFORMATICS / EU-25													
1999 - 2005	3,932	14,078	3.58	2.60	42%	2.53	3.37	1.03	0.77	-	0.78	27%	
1999 - 2002	2,247	3,387	1.51	0.96	63%	0.97	1.28	0.99	0.75	-	0.81	36%	
2000 - 2003	2,323	3,737	1.61	1.08	60%	1.07	1.47	1.01	0.74	-	0.77	33%	
2001 - 2004	2,284	3,808	1.67	1.11	58%	1.15	1.56	0.96	0.71	-	0.79	34%	
2002 - 2005	2,226	4,267	1.92	1.36	56%	1.31	1.75	1.04	0.78	-	0.78	29%	

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm	JCSm/ FCSm	% Self- Citations
MEDICAL INFORMATICS / Finland												
1999 - 2005	121	382	3.16	2.07	31%	2.67	3.57	0.77	-	0.58	-	0.79 35%
1999 - 2002	82	129	1.57	0.79	51%	0.90	1.23	0.88		0.65	-	0.81 50%
2000 - 2003	82	117	1.43	0.94	52%	1.16	1.54	0.81		0.61	-	0.80 34%
2001 - 2004	64	89	1.39	0.83	50%	1.08	1.56	0.77		0.53	-	0.74 40%
2002 - 2005	53	83	1.57	1.17	51%	1.34	1.83	0.87		0.64	-	0.75 25%
MEDICAL INFORMATICS / Ireland												
1999 - 2005	37	122	3.30	2.62	46%	2.46	4.01	1.06		0.65		0.67 20%
1999 - 2002	23	23	1.00	0.65	74%	0.62	1.27	1.05		0.51		0.57 35%
2000 - 2003	28	32	1.14	0.75	71%	0.89	1.60	0.84		0.47	-	0.63 34%
2001 - 2004	24	36	1.50	0.88	63%	0.91	1.51	0.97		0.58		0.71 42%
2002 - 2005	22	64	2.91	2.14	45%	1.70	2.41	1.25		0.89		0.76 27%
MEDICAL INFORMATICS / UK												
1999 - 2005	1,155	5,685	4.92	4.02	34%	3.12	3.81	1.29	+	1.06		0.83 18%
1999 - 2002	658	1,276	1.94	1.45	53%	1.19	1.50	1.21	+	0.97		0.82 25%
2000 - 2003	672	1,448	2.15	1.68	49%	1.29	1.72	1.31	+	0.98		0.77 22%
2001 - 2004	645	1,412	2.19	1.69	48%	1.36	1.82	1.24	+	0.93		0.78 23%
2002 - 2005	662	1,708	2.58	2.03	47%	1.53	2.01	1.32	+	1.01		0.78 21%
MEDICAL INFORMATICS / USA												
1999 - 2005	3,915	16,319	4.17	3.32	37%	3.12	3.29	1.06	+	1.01		0.94 20%
1999 - 2002	2,230	4,022	1.80	1.32	56%	1.21	1.21	1.09	+	1.10	+	1.00 27%
2000 - 2003	2,310	4,509	1.95	1.45	53%	1.34	1.46	1.08	+	0.99		0.92 26%
2001 - 2004	2,438	5,318	2.18	1.65	49%	1.50	1.65	1.10	+	1.00		0.91 24%
2002 - 2005	2,271	5,135	2.26	1.72	50%	1.62	1.77	1.06		0.97		0.91 24%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
MEDICAL LABORATORY TECHNOLOGY / EU-25											
1999 - 2005	6,799	35,722	5.25	4.13	37%	4.05	4.40	1.02	0.94	-	0.93 21%
1999 - 2002	3,852	9,611	2.50	1.85	52%	1.81	1.99	1.02	0.93	-	0.92 26%
2000 - 2003	3,902	10,333	2.65	1.95	52%	1.90	2.13	1.02	0.92	-	0.91 26%
2001 - 2004	3,825	10,585	2.77	2.06	51%	2.04	2.23	1.01	0.92	-	0.93 26%
2002 - 2005	3,883	11,460	2.95	2.24	50%	2.17	2.28	1.03	0.98	-	0.97 24%
MEDICAL LABORATORY TECHNOLOGY / Finland											
1999 - 2005	198	1,626	8.21	5.74	28%	6.55	4.25	0.88	1.35	+	1.56 30%
1999 - 2002	122	460	3.77	2.40	45%	2.81	1.76	0.85	1.36	-	1.60 36%
2000 - 2003	124	507	4.09	2.57	48%	2.99	1.99	0.86	1.29	-	1.51 37%
2001 - 2004	112	453	4.04	2.85	43%	3.31	2.04	0.86	1.40	-	1.63 30%
2002 - 2005	109	474	4.35	2.99	39%	3.41	2.34	0.88	1.28	-	1.49 31%
MEDICAL LABORATORY TECHNOLOGY / Ireland											
1999 - 2005	94	701	7.46	6.00	26%	4.80	5.28	1.25	1.14	-	0.89 20%
1999 - 2002	57	161	2.82	1.98	49%	1.67	2.01	1.19	0.99	-	0.80 30%
2000 - 2003	65	264	4.06	3.08	37%	2.32	2.73	1.33	1.13	-	0.83 24%
2001 - 2004	61	263	4.31	3.52	39%	2.87	2.90	1.23	1.21	-	0.97 18%
2002 - 2005	49	261	5.33	4.39	41%	2.67	2.56	1.64	1.71	-	1.03 18%
MEDICAL LABORATORY TECHNOLOGY / UK											
1999 - 2005	1,289	6,447	5.00	3.99	39%	3.84	4.39	1.04	0.91	-	0.87 20%
1999 - 2002	765	1,850	2.42	1.82	51%	1.64	1.97	1.11	0.92	-	0.83 25%
2000 - 2003	745	1,872	2.51	1.83	52%	1.77	2.09	1.03	0.87	-	0.85 27%
2001 - 2004	692	1,720	2.49	1.90	52%	2.12	2.22	0.90	0.86	-	0.94 23%
2002 - 2005	702	1,898	2.70	2.06	54%	2.14	2.25	0.96	0.92	-	0.95 24%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
MEDICAL LABORATORY TECHNOLOGY / USA													
1999 - 2005	6,433	33,675	5.23	4.39	37%	4.05	5.20	1.09	+	0.85	-	0.76	16%
1999 - 2002	3,878	9,589	2.47	1.98	53%	1.83	2.35	1.08	+	0.84	-	0.76	20%
2000 - 2003	3,693	9,579	2.59	2.11	51%	1.96	2.50	1.07	+	0.84	-	0.76	19%
2001 - 2004	3,429	9,269	2.70	2.18	51%	1.96	2.56	1.11	+	0.85	-	0.75	19%
2002 - 2005	3,477	10,151	2.92	2.37	50%	2.12	2.68	1.12	+	0.88	-	0.78	19%
MEDICINE, GENERAL & INTERNAL / EU-25													
1999 - 2005	55,027	438,554	7.97	7.01	49%	6.31	6.86	1.11	+	1.02	+	0.93	12%
1999 - 2002	33,864	120,150	3.55	3.05	61%	2.78	3.04	1.10	+	1.00		0.92	14%
2000 - 2003	32,151	125,714	3.91	3.39	60%	3.06	3.25	1.11	+	1.04	+	0.95	13%
2001 - 2004	30,050	133,089	4.43	3.86	59%	3.37	3.59	1.14	+	1.07	+	0.94	13%
2002 - 2005	28,784	142,370	4.95	4.30	58%	3.90	3.99	1.10	+	1.08	+	0.98	13%
MEDICINE, GENERAL & INTERNAL / Finland													
1999 - 2005	866	24,866	28.71	25.36	24%	15.08	8.07	1.68	+	3.14	+	1.86	12%
1999 - 2002	523	6,320	12.08	10.37	37%	6.78	3.64	1.53	+	2.85	+	1.85	14%
2000 - 2003	501	6,931	13.83	12.15	38%	7.29	3.92	1.67	+	3.10	+	1.85	12%
2001 - 2004	471	8,024	17.04	15.21	38%	7.35	4.11	2.07	+	3.70	+	1.78	11%
2002 - 2005	444	8,444	19.02	16.86	33%	8.64	4.65	1.95	+	3.62	+	1.86	11%
MEDICINE, GENERAL & INTERNAL / Ireland													
1999 - 2005	804	6,958	8.65	7.85	51%	5.52	7.57	1.42	+	1.04		0.73	9%
1999 - 2002	516	2,233	4.33	3.82	67%	2.46	3.35	1.55	+	1.14		0.73	12%
2000 - 2003	441	1,535	3.48	3.10	65%	2.69	3.53	1.15		0.88		0.76	11%
2001 - 2004	425	1,438	3.38	3.06	68%	2.81	4.03	1.09		0.76	-	0.70	10%
2002 - 2005	429	2,161	5.04	4.61	67%	2.96	4.27	1.56	+	1.08		0.69	8%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
MEDICINE, GENERAL & INTERNAL / UK													
1999 - 2005	23,534	211,649	8.99	8.00	46%	7.22	6.23	1.11	+	1.29	+	1.16	11%
1999 - 2002	14,945	57,886	3.87	3.38	59%	3.07	2.70	1.10	+	1.25	+	1.14	13%
2000 - 2003	13,959	61,975	4.44	3.90	57%	3.50	2.95	1.11	+	1.32	+	1.18	12%
2001 - 2004	12,746	62,735	4.92	4.33	56%	3.92	3.26	1.10	+	1.33	+	1.20	12%
2002 - 2005	11,919	70,769	5.94	5.22	53%	4.73	3.73	1.10	+	1.40	+	1.27	12%
MEDICINE, GENERAL & INTERNAL / USA													
1999 - 2005	42,278	590,987	13.98	12.65	39%	12.10	6.53	1.05	+	1.94	+	1.82	10%
1999 - 2002	24,381	154,260	6.33	5.65	51%	5.42	2.95	1.04	+	1.92	+	1.80	11%
2000 - 2003	24,036	165,249	6.88	6.13	50%	5.82	3.21	1.05	+	1.91	+	1.78	11%
2001 - 2004	23,527	175,049	7.44	6.64	50%	6.32	3.43	1.05	+	1.93	+	1.81	11%
2002 - 2005	23,716	198,066	8.35	7.48	47%	7.08	3.82	1.06	+	1.95	+	1.82	10%
MEDICINE, RESEARCH & EXPERIMENTAL / EU-25													
1999 - 2005	23,804	239,942	10.08	8.14	32%	8.18	7.59	0.99		1.07	+	1.08	19%
1999 - 2002	13,114	65,817	5.02	3.90	46%	3.98	3.68	0.98		1.06	+	1.08	22%
2000 - 2003	13,405	71,678	5.35	4.19	45%	4.15	3.81	1.01		1.10	+	1.09	22%
2001 - 2004	13,567	71,652	5.28	4.17	45%	4.16	3.80	1.00		1.10	+	1.09	21%
2002 - 2005	13,827	77,020	5.57	4.45	42%	4.33	3.93	1.03		1.13	+	1.10	20%
MEDICINE, RESEARCH & EXPERIMENTAL / Finland													
1999 - 2005	602	7,130	11.84	9.29	23%	8.43	7.46	1.10		1.24	+	1.13	22%
1999 - 2002	333	2,075	6.23	4.62	43%	3.91	3.61	1.18		1.28	+	1.09	26%
2000 - 2003	347	2,007	5.78	4.33	43%	3.89	3.55	1.11		1.22		1.11	25%
2001 - 2004	345	2,220	6.43	4.82	37%	4.45	3.82	1.08		1.26	+	1.16	25%
2002 - 2005	351	2,139	6.09	4.59	33%	4.67	3.90	0.98		1.18		1.19	25%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
MEDICINE, RESEARCH & EXPERIMENTAL / Ireland													
1999 - 2005	198	1,918	9.69	7.75	32%	6.14	7.31	1.26	1.06	0.85	20%		
1999 - 2002	107	450	4.21	3.02	46%	2.41	3.66	1.26	0.82	0.69	28%		
2000 - 2003	106	641	6.05	4.55	41%	3.57	3.71	1.27	1.23	0.98	25%		
2001 - 2004	109	782	7.17	5.81	42%	3.97	4.12	1.46	1.41	0.97	19%		
2002 - 2005	110	789	7.17	5.97	45%	3.95	3.48	1.51	1.72	+	1.13	17%	
MEDICINE, RESEARCH & EXPERIMENTAL / UK													
1999 - 2005	4,822	64,186	13.31	10.96	25%	10.24	7.60	1.07	+	1.44	+	1.33	18%
1999 - 2002	2,646	17,788	6.72	5.35	39%	5.10	3.64	1.05	+	1.47	+	1.38	20%
2000 - 2003	2,735	18,859	6.90	5.49	38%	5.08	3.78	1.08	+	1.45	+	1.33	20%
2001 - 2004	2,799"	18,702"	6.68	5.32	38%	5.01	3.86	1.06	+	1.38	+	1.28	20%
2002 - 2005	2,833"	20,446"	7.22	5.91	36%	5.20	4.02	1.13	+	1.47	+	1.27	18%
MEDICINE, RESEARCH & EXPERIMENTAL / USA													
1999 - 2005	26,658"	405,214"	15.20	12.74	25%	12.10	7.68	1.05	+	1.66	+	1.55	16%
1999 - 2002	14,694"	116,219"	7.91	6.44	38%	6.08	3.75	1.06	+	1.72	+	1.58	19%
2000 - 2003	15,122"	119,774"	7.92	6.48	37%	6.13	3.85	1.06	+	1.68	+	1.55	18%
2001 - 2004	14,963"	115,134"	7.69	6.34	37%	5.97	3.79	1.06	+	1.67	+	1.53	18%
2002 - 2005	15,499"	120,424"	7.77	6.43	36%	6.16	3.97	1.04	+	1.62	+	1.51	17%
NEUROIMAGING / EU-25													
1999 - 2005	5,367"	38,352"	7.15	5.74	42%	5.54	5.54	1.03	1.04	1.00	20%		
1999 - 2002	2,544"	7,520"	2.96	2.17	56%	2.06	2.43	1.05	0.89	-	0.87	26%	
2000 - 2003	2,830"	10,042"	3.55	2.69	53%	2.55	2.64	1.05	1.02	0.98	24%		
2001 - 2004	3,231"	12,168"	3.77	2.87	53%	2.80	2.77	1.02	1.04	1.02	24%		
2002 - 2005	3,532"	14,325"	4.06	3.11	51%	3.04	2.97	1.02	1.05	1.03	23%		

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
NEUROIMAGING / Finland													
1999 - 2005	191	1,683	8.81	6.68	27%	8.30	4.85	0.80	-	1.38	+	1.72	24%
1999 - 2002	77	400	5.19	3.77	40%	3.53	2.16	1.07		1.74	+	1.68	28%
2000 - 2003	97	427	4.40	2.98	46%	3.76	2.26	0.79		1.32		1.68	32%
2001 - 2004	118	456	3.86	2.64	45%	4.17	2.68	0.63	-	0.99		1.57	32%
2002 - 2005	139	640	4.60	3.43	36%	4.22	2.81	0.81		1.22		1.52	25%
NEUROIMAGING / Ireland													
1999 - 2005	18	175	9.72	7.17	28%	4.55	2.85	1.57		2.52		1.62	26%
1999 - 2002	2	1	0.50	0.50	50%	4.29	3.24	0.12	?	0.15	?	1.33	0%
2000 - 2003	5	8	1.60	1.00	60%	1.90	1.01	0.53		0.99		1.88	38%
2001 - 2004	12	74	6.17	4.08	58%	2.09	1.23	1.95		3.33		1.74	34%
2002 - 2005	16	155	9.69	6.88	31%	2.93	1.93	2.35		3.56		1.56	29%
NEUROIMAGING / UK													
1999 - 2005	955	12,971	13.58	11.18	26%	8.63	5.20	1.30	+	2.15	+	1.66	18%
1999 - 2002	415	2,333	5.62	4.26	41%	3.39	2.23	1.26	+	1.91	+	1.54	24%
2000 - 2003	506	3,202	6.33	4.89	41%	3.82	2.49	1.28	+	1.97	+	1.55	23%
2001 - 2004	588	4,066	6.91	5.31	37%	4.30	2.78	1.24	+	1.91	+	1.56	23%
2002 - 2005	670	4,888	7.30	5.68	35%	4.57	2.96	1.24	+	1.92	+	1.55	22%
NEUROIMAGING / USA													
1999 - 2005	3,901	33,741	8.65	7.20	30%	6.67	5.45	1.08	+	1.32	+	1.22	17%
1999 - 2002	1,867	6,704	3.59	2.80	46%	2.69	2.47	1.04		1.13	+	1.10	22%
2000 - 2003	1,992	8,149	4.09	3.26	44%	3.09	2.64	1.06		1.24	+	1.17	20%
2001 - 2004	2,153	9,630	4.47	3.55	43%	3.23	2.73	1.10	+	1.30	+	1.19	21%
2002 - 2005	2,548	12,573	4.93	3.97	39%	3.48	2.91	1.14	+	1.37	+	1.20	20%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
NEUROSCIENCES / EU-25													
1999 - 2005	71,896	729,802	10.15	7.98	27%	8.01	8.07	1.00	0.99	-	1.00	21%	
1999 - 2002	39,172	191,877	4.90	3.63	42%	3.63	3.73	1.00	0.97	-	0.99	26%	
2000 - 2003	40,473	208,675	5.16	3.88	40%	3.91	3.93	0.99	0.99	-	1.01	25%	
2001 - 2004	40,915	210,155	5.14	3.90	39%	3.92	3.98	0.99	0.98	-	1.00	24%	
2002 - 2005	42,609	224,944	5.28	4.03	38%	4.07	4.07	0.99	0.99	-	1.01	24%	
NEUROSCIENCES / Finland													
1999 - 2005	1,929	19,095	9.90	7.57	24%	8.21	7.84	0.92	-	0.97	1.06	23%	
1999 - 2002	1,053	5,146	4.89	3.47	38%	3.89	3.75	0.89	-	0.93	1.06	29%	
2000 - 2003	1,059	5,180	4.89	3.54	37%	3.85	3.84	0.92	0.92	-	1.03	28%	
2001 - 2004	1,060	5,101	4.81	3.52	38%	3.71	3.78	0.95	0.93	-	1.01	27%	
2002 - 2005	1,130	5,792	5.13	3.86	36%	3.93	3.78	0.98	1.02	-	1.06	25%	
NEUROSCIENCES / Ireland													
1999 - 2005	540	5,464	10.12	7.93	24%	7.62	7.52	1.04	1.05	-	1.03	22%	
1999 - 2002	271	1,441	5.32	3.98	40%	3.74	3.79	1.07	1.05	-	1.01	25%	
2000 - 2003	267	1,296	4.85	3.59	34%	3.79	3.86	0.95	0.93	-	1.00	26%	
2001 - 2004	297	1,309	4.41	3.34	38%	3.49	3.64	0.96	0.92	-	0.99	24%	
2002 - 2005	347	1,888	5.44	4.07	34%	3.87	3.80	1.05	1.07	-	1.04	25%	
NEUROSCIENCES / UK													
1999 - 2005	16,349	220,145	13.47	10.91	21%	9.83	8.11	1.11	+	1.34	+	1.21	19%
1999 - 2002	8,848	57,064	6.45	4.96	36%	4.40	3.69	1.13	+	1.34	+	1.19	23%
2000 - 2003	9,259	62,553	6.76	5.27	34%	4.77	3.93	1.10	+	1.34	+	1.21	22%
2001 - 2004	9,445	65,140	6.90	5.43	33%	4.94	4.06	1.10	+	1.34	+	1.21	21%
2002 - 2005	9,756	68,066	6.98	5.48	31%	4.97	4.16	1.10	+	1.32	+	1.20	21%



Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
NEUROSCIENCES / USA													
1999 - 2005	71,461	992,037	13.88	11.33	20%	10.47	8.41	1.08	+	1.35	+	1.24	18%
1999 - 2002	38,862	263,854	6.79	5.31	34%	4.89	3.90	1.09	+	1.36	+	1.24	22%
2000 - 2003	39,911	280,755	7.03	5.57	33%	5.15	4.12	1.08	+	1.35	+	1.24	21%
2001 - 2004	40,447	283,916	7.02	5.57	33%	5.19	4.16	1.07	+	1.34	+	1.24	21%
2002 - 2005	42,403	302,097	7.12	5.66	31%	5.25	4.25	1.08	+	1.33	+	1.23	21%
NURSING / EU-25													
1999 - 2005	3,182	9,302	2.92	2.46	37%	2.46	2.55	1.00		0.96		0.97	16%
1999 - 2002	1,870	2,158	1.15	0.89	58%	0.89	0.98	1.00		0.90	-	0.92	23%
2000 - 2003	1,850	2,491	1.35	1.07	56%	1.03	1.13	1.03		0.95		0.92	21%
2001 - 2004	1,759	2,311	1.31	1.04	56%	1.03	1.11	1.01		0.93		0.93	21%
2002 - 2005	1,710	2,215	1.30	1.01	56%	1.02	1.15	0.98		0.87	-	0.90	22%
NURSING / Finland													
1999 - 2005	227	629	2.77	2.12	37%	2.47	2.69	0.86		0.79	-	0.92	23%
1999 - 2002	137	125	0.91	0.53	74%	0.81	0.96	0.66	-	0.56	-	0.85	42%
2000 - 2003	150	176	1.17	0.81	65%	0.88	1.10	0.92		0.73	-	0.81	31%
2001 - 2004	138	164	1.19	0.81	62%	1.09	1.30	0.74	-	0.62	-	0.85	32%
2002 - 2005	124	145	1.17	0.90	56%	1.11	1.26	0.81		0.71	-	0.90	23%
NURSING / Ireland													
1999 - 2005	81	161	1.99	1.65	53%	1.44	1.68	1.15		0.99		0.86	17%
1999 - 2002	29	24	0.83	0.45	79%	0.69	1.00	0.65		0.45	-	0.71	46%
2000 - 2003	35	32	0.91	0.60	71%	0.67	0.90	0.89		0.67		0.76	34%
2001 - 2004	48	41	0.85	0.67	69%	0.65	0.67	1.02		1.00		0.99	22%
2002 - 2005	62	61	0.98	0.82	61%	0.69	0.74	1.19		1.11		0.95	16%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
NURSING / UK													
1999 - 2005	2,089	6,225	2.98	2.62	35%	2.61	2.65	1.00	0.99	0.99	12%		
1999 - 2002	1,300	1,481	1.14	0.95	56%	0.94	1.01	1.00	0.94	0.95	17%		
2000 - 2003	1,232	1,677	1.36	1.14	55%	1.09	1.15	1.04	0.99	0.95	16%		
2001 - 2004	1,108	1,487	1.34	1.10	55%	1.05	1.10	1.05	1.01	0.96	18%		
2002 - 2005	1,048	1,359	1.30	1.04	56%	1.07	1.15	0.98	0.91	-	0.94	19%	
NURSING / USA													
1999 - 2005	8,341	17,067	2.05	1.78	50%	1.73	2.47	1.03	0.72	-	0.69	13%	
1999 - 2002	4,509	3,813	0.85	0.69	68%	0.67	1.00	1.04	0.69	-	0.66	18%	
2000 - 2003	4,608	4,085	0.89	0.73	68%	0.72	1.09	1.02	0.67	-	0.65	18%	
2001 - 2004	4,780	4,881	1.02	0.85	64%	0.82	1.15	1.03	0.74	-	0.71	17%	
2002 - 2005	5,041	5,384	1.07	0.89	64%	0.85	1.22	1.04	0.73	-	0.69	17%	
OBSTETRICS & GYNAECOLOGY / EU-25													
1999 - 2005	22,591	115,655	5.12	4.28	36%	4.05	4.92	1.06	+	0.87	-	0.82	16%
1999 - 2002	12,666	30,009	2.37	1.89	53%	1.81	2.22	1.04	+	0.85	-	0.81	20%
2000 - 2003	12,741	30,794	2.42	1.94	51%	1.87	2.31	1.04	+	0.84	-	0.81	20%
2001 - 2004	12,620	32,244	2.55	2.06	50%	1.95	2.36	1.06	+	0.87	-	0.82	19%
2002 - 2005	13,027	36,208	2.78	2.24	47%	2.12	2.52	1.06	+	0.89	-	0.83	19%
OBSTETRICS & GYNAECOLOGY / Finland													
1999 - 2005	877	5,713	6.51	5.42	30%	4.64	5.32	1.17	+	1.02		0.87	17%
1999 - 2002	563	1,535	2.73	2.16	49%	1.94	2.30	1.11		0.94		0.84	21%
2000 - 2003	502	1,467	2.92	2.31	45%	2.02	2.49	1.14		0.93		0.81	21%
2001 - 2004	458	1,692	3.69	2.95	43%	2.25	2.45	1.14	+	1.20	+	0.90	20%
2002 - 2005	422	1,527	3.62	2.84	41%	2.28	2.44	1.24	+	1.16		0.93	22%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
OBSTETRICS & GYNAECOLOGY / Ireland													
1999 - 2005	209	1,124	5.38	4.63	34%	4.19	4.21	1.10	1.10	0.98	14%		
1999 - 2002	110	295	2.68	2.19	45%	1.79	1.77	1.22	1.24	0.99	18%		
2000 - 2003	133	385	2.89	2.32	47%	1.98	2.03	1.17	1.14	0.95	20%		
2001 - 2004	126	365	2.90	2.40	48%	2.05	2.14	1.17	1.13	0.94	17%		
2002 - 2005	125	310	2.48	2.03	49%	2.14	2.23	0.95	0.91	0.94	18%		
OBSTETRICS & GYNAECOLOGY / UK													
1999 - 2005	6,249	35,634	5.70	4.80	34%	4.46	4.84	1.08	+	0.99	0.92	16%	
1999 - 2002	3,555	9,815	2.76	2.20	50%	2.01	2.18	1.09	+	1.01	0.92	20%	
2000 - 2003	3,581	10,016	2.80	2.26	48%	2.08	2.35	1.08	+	0.96	0.88	19%	
2001 - 2004	3,404	9,717	2.85	2.33	47%	2.10	2.34	1.11	+	1.00	0.89	18%	
2002 - 2005	3,507	10,844	3.09	2.53	46%	2.30	2.44	1.10	+	1.04	0.93	18%	
OBSTETRICS & GYNAECOLOGY / USA													
1999 - 2005	18,499	105,114	5.68	4.90	33%	4.72	4.63	1.04	+	1.06	+	1.00	14%
1999 - 2002	10,099	28,110	2.78	2.32	48%	2.21	2.19	1.05	+	1.06	+	0.98	16%
2000 - 2003	9,980	27,676	2.77	2.33	47%	2.23	2.19	1.05	+	1.06	+	0.99	16%
2001 - 2004	9,960	27,626	2.77	2.32	46%	2.23	2.22	1.04	+	1.04	+	0.98	16%
2002 - 2005	10,789	31,256	2.90	2.42	46%	2.33	2.28	1.04	+	1.06	+	1.00	17%
ONCOLOGY / EU-25													
1999 - 2005	59,152	562,943	9.52	7.84	27%	7.87	8.73	1.00		0.90	-	0.90	18%
1999 - 2002	31,128	146,687	4.71	3.73	42%	3.75	4.17	0.99		0.89	-	0.91	21%
2000 - 2003	32,273	157,928	4.89	3.90	41%	3.90	4.35	1.00		0.90	-	0.90	20%
2001 - 2004	33,305	165,419	4.97	3.97	40%	3.98	4.46	1.00		0.89	-	0.90	20%
2002 - 2005	35,780	185,827	5.19	4.19	38%	4.21	4.71	0.99		0.89	-	0.90	19%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
ONCOLOGY / Finland													
1999 - 2005	1,682	24,725	14.70	12.22	20%	10.11	9.24	1.21	+	1.32	+	1.09	17%
1999 - 2002	966	6,777	7.02	5.59	33%	4.73	4.35	1.18	+	1.29	+	1.08	20%
2000 - 2003	925	7,153	7.73	6.26	33%	5.06	4.50	1.24	+	1.39	+	1.12	19%
2001 - 2004	903	7,001	7.75	6.24	31%	5.08	4.64	1.23	+	1.35	+	1.09	20%
2002 - 2005	948	7,341	7.74	6.21	32%	5.04	4.73	1.23	+	1.31	+	1.07	20%
ONCOLOGY / Ireland													
1999 - 2005	397	3,628	9.14	7.78	28%	6.73	7.95	1.16		0.98		0.84	15%
1999 - 2002	178	939	5.28	4.30	38%	3.66	4.30	1.17		1.00		0.85	19%
2000 - 2003	195	951	4.88	3.99	36%	3.31	4.19	1.20		0.95		0.80	18%
2001 - 2004	226	936	4.14	3.37	45%	3.15	3.85	1.07		0.88		0.82	19%
2002 - 2005	256	1,126	4.40	3.60	39%	3.75	4.27	0.96		0.84		0.87	18%
ONCOLOGY / UK													
1999 - 2005	11,594	136,191	11.75	9.92	25%	8.91	8.73	1.11	+	1.14	+	1.02	16%
1999 - 2002	6,086	34,678	5.70	4.62	38%	4.18	4.17	1.11	+	1.11	+	1.00	19%
2000 - 2003	6,269	37,925	6.05	4.94	37%	4.45	4.34	1.11	+	1.14	+	1.03	18%
2001 - 2004	6,434	39,293	6.11	5.04	37%	4.51	4.42	1.12	+	1.14	+	1.02	18%
2002 - 2005	7,034	47,409	6.74	5.65	35%	5.00	4.83	1.13	+	1.17	+	1.03	16%
ONCOLOGY / USA													
1999 - 2005	55,798	774,017	13.87	11.81	22%	10.99	8.82	1.07	+	1.34	+	1.23	15%
1999 - 2002	29,034	194,119	6.69	5.50	35%	5.12	4.11	1.07	+	1.34	+	1.23	18%
2000 - 2003	30,649	219,701	7.17	5.93	33%	5.53	4.42	1.07	+	1.34	+	1.24	17%
2001 - 2004	31,795	238,283	7.49	6.27	32%	5.81	4.63	1.08	+	1.35	+	1.24	16%
2002 - 2005	34,329	268,951	7.83	6.59	31%	6.15	4.94	1.07	+	1.34	+	1.23	16%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
OPHTHALMOLOGY / EU-25													
1999 - 2005	16,341	75,126	4.60	3.64	40%	3.53	4.13	1.03	+	0.88	-	0.86	21%
1999 - 2002	8,696	18,047	2.08	1.54	58%	1.48	1.78	1.04		0.87	-	0.85	26%
2000 - 2003	9,170	19,981	2.18	1.61	56%	1.60	1.88	1.01		0.86	-	0.86	26%
2001 - 2004	9,327	20,902	2.24	1.67	55%	1.67	1.95	1.00		0.86	-	0.87	25%
2002 - 2005	9,780	23,417	2.39	1.81	53%	1.79	2.09	1.01		0.87	-	0.87	24%
OPHTHALMOLOGY / Finland													
1999 - 2005	333	2,049	6.15	4.89	31%	4.82	4.57	1.01		1.07		1.05	21%
1999 - 2002	182	447	2.46	1.79	48%	1.74	1.73	1.03		1.03		1.00	27%
2000 - 2003	212	774	3.65	2.68	46%	2.22	1.95	1.21		1.38	+	1.13	26%
2001 - 2004	210	626	2.98	2.12	49%	2.43	2.25	0.87		0.94		1.09	29%
2002 - 2005	202	627	3.10	2.32	46%	2.57	2.47	0.90		0.94		1.04	25%
OPHTHALMOLOGY / Ireland													
1999 - 2005	161	659	4.09	3.59	39%	3.59	3.65	1.00		0.98		0.98	12%
1999 - 2002	85	186	2.19	1.80	46%	1.58	1.70	1.14		1.06		0.92	18%
2000 - 2003	85	179	2.11	1.87	51%	1.74	1.93	1.07		0.97		0.90	11%
2001 - 2004	80	160	2.00	1.73	51%	1.88	1.85	0.92		0.93		1.00	14%
2002 - 2005	92	169	1.84	1.57	53%	1.75	1.55	0.89		1.01		1.14	15%
OPHTHALMOLOGY / UK													
1999 - 2005	5,209	24,560	4.71	3.85	40%	3.76	3.65	1.03		1.06	+	1.03	18%
1999 - 2002	2,676	5,938	2.22	1.76	55%	1.65	1.63	1.07		1.08		1.02	21%
2000 - 2003	2,846	6,238	2.19	1.72	55%	1.73	1.70	0.99		1.01		1.02	22%
2001 - 2004	2,980	6,327	2.12	1.63	56%	1.72	1.70	0.95		0.96		1.02	23%
2002 - 2005	3,165	7,107	2.25	1.73	53%	1.81	1.82	0.96		0.95		1.01	23%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
OPHTHALMOLOGY / USA													
1999 - 2005	16,460	112,307	6.82	5.48	30%	5.07	4.53	1.08	+	1.21	+	1.12	20%
1999 - 2002	8,943	27,482	3.07	2.32	47%	2.17	1.94	1.07	+	1.20	+	1.12	24%
2000 - 2003	9,227	30,885	3.35	2.55	45%	2.30	2.05	1.11	+	1.24	+	1.13	24%
2001 - 2004	9,536	32,744	3.43	2.62	46%	2.39	2.14	1.10	+	1.23	+	1.13	24%
2002 - 2005	9,674	34,740	3.59	2.78	43%	2.51	2.25	1.11	+	1.24	+	1.12	22%
ORTHOPAEDICS / EU-25													
1999 - 2005	13,836	51,495	3.72	3.13	43%	3.02	3.66	1.04	+	0.85	-	0.82	16%
1999 - 2002	7,384	10,974	1.49	1.16	62%	1.11	1.45	1.05	+	0.80	-	0.77	22%
2000 - 2003	7,800	12,777	1.64	1.30	60%	1.22	1.57	1.07	+	0.83	-	0.78	21%
2001 - 2004	7,755	12,660	1.63	1.30	61%	1.26	1.62	1.03		0.80	-	0.78	21%
2002 - 2005	8,336	14,946	1.79	1.45	57%	1.42	1.80	1.03		0.81	-	0.79	19%
ORTHOPAEDICS / Finland													
1999 - 2005	420	2,712	6.46	5.35	30%	4.41	4.38	1.21	+	1.22	+	1.00	17%
1999 - 2002	239	707	2.96	2.22	46%	1.61	1.86	1.38	+	1.20		0.89	25%
2000 - 2003	225	663	2.95	2.26	49%	1.73	1.84	1.31		1.23		0.96	23%
2001 - 2004	222	528	2.38	1.77	50%	1.73	1.77	1.02		1.00		0.98	26%
2002 - 2005	238	602	2.53	2.05	47%	1.91	1.94	1.07		1.06		0.98	19%
ORTHOPAEDICS / Ireland													
1999 - 2005	173	516	2.98	2.56	42%	2.92	3.30	0.88		0.78	-	0.87	14%
1999 - 2002	83	90	1.08	0.83	64%	1.09	1.30	0.76		0.64	-	0.82	23%
2000 - 2003	102	136	1.33	1.04	55%	1.25	1.54	0.83		0.67	-	0.80	22%
2001 - 2004	100	138	1.38	1.14	66%	1.13	1.36	1.01		0.84		0.82	17%
2002 - 2005	116	205	1.77	1.56	54%	1.50	1.71	1.04		0.91		0.86	12%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
ORTHOPAEDICS / UK													
1999 - 2005	4,009	13,796	3.44	3.00	46%	2.94	3.33	1.02	0.90	-	0.88	13%	
1999 - 2002	2,079	2,960	1.42	1.17	63%	1.11	1.32	1.06	0.89	-	0.84	18%	
2000 - 2003	2,301	3,441	1.50	1.24	61%	1.21	1.47	1.03	0.84	-	0.82	17%	
2001 - 2004	2,241	3,234	1.44	1.22	63%	1.23	1.50	0.99	0.81	-	0.81	16%	
2002 - 2005	2,468	3,891	1.58	1.35	57%	1.41	1.67	0.95	0.81	-	0.84	14%	
ORTHOPAEDICS / USA													
1999 - 2005	16,538	82,336	4.98	4.26	38%	3.98	3.69	1.07	+	1.15	+	1.06	14%
1999 - 2002	8,951	17,430	1.95	1.58	57%	1.47	1.48	1.08	+	1.07	+	0.98	19%
2000 - 2003	9,116	18,171	1.99	1.62	57%	1.50	1.52	1.08	+	1.07	+	0.98	19%
2001 - 2004	9,340	19,678	2.11	1.72	55%	1.59	1.61	1.08	+	1.07	+	0.98	18%
2002 - 2005	9,967	24,081	2.42	2.00	51%	1.85	1.84	1.08	+	1.09	+	1.00	17%
OTORHINOLARYNGOLOGY / EU-25													
1999 - 2005	10,422	30,522	2.93	2.30	43%	2.28	3.22	1.01	0.72	-	0.73	21%	
1999 - 2002	5,979	7,689	1.29	0.92	64%	0.89	1.30	1.03	0.71	-	0.72	28%	
2000 - 2003	5,958	8,088	1.36	0.99	61%	0.98	1.44	1.01	0.69	-	0.71	27%	
2001 - 2004	5,730	7,800	1.36	1.00	60%	1.01	1.52	0.99	0.66	-	0.69	26%	
2002 - 2005	5,816	8,381	1.44	1.08	60%	1.08	1.60	1.00	0.67	-	0.70	25%	
OTORHINOLARYNGOLOGY / Finland													
1999 - 2005	415	1,449	3.49	2.69	36%	2.95	3.48	0.91	0.77	-	0.88	23%	
1999 - 2002	265	346	1.31	0.82	63%	0.98	1.27	0.83	0.64	-	0.83	37%	
2000 - 2003	266	485	1.82	1.34	53%	1.36	1.63	0.99	0.82	-	0.89	27%	
2001 - 2004	234	358	1.53	1.22	56%	1.23	1.69	0.99	0.72	-	0.75	20%	
2002 - 2005	201	345	1.72	1.37	53%	1.29	1.59	1.06	0.86	-	0.83	20%	

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
OTORHINOLARYNGOLOGY / Ireland													
1999 - 2005	128	282	2.20	2.02	47%	2.16	2.85	0.93	0.71	-	0.72	9%	
1999 - 2002	70	58	0.83	0.71	73%	0.65	0.90	1.10	0.79		0.68	14%	
2000 - 2003	82	75	0.91	0.85	65%	0.82	1.12	1.04	0.77		0.67	7%	
2001 - 2004	81	88	1.09	1.01	58%	0.99	1.45	1.02	0.70	-	0.65	7%	
2002 - 2005	77	101	1.31	1.17	61%	1.23	1.87	0.95	0.63	-	0.64	11%	
OTORHINOLARYNGOLOGY / UK													
1999 - 2005	2,697	7,461	2.77	2.32	44%	2.21	3.13	1.05	0.74	-	0.70	16%	
1999 - 2002	1,520	1,836	1.21	0.93	64%	0.83	1.24	1.11	+	0.74	-	0.68	23%
2000 - 2003	1,503	1,988	1.32	1.04	61%	0.98	1.49	1.06	0.70	-	0.66	21%	
2001 - 2004	1,461	1,823	1.25	0.98	60%	0.97	1.53	1.01	0.64	-	0.64	21%	
2002 - 2005	1,521	2,060	1.35	1.09	59%	1.03	1.60	1.06	0.69	-	0.65	19%	
OTORHINOLARYNGOLOGY / USA													
1999 - 2005	9,802	43,566	4.44	3.70	34%	3.41	3.86	1.09	+	0.96	-	0.88	17%
1999 - 2002	5,744	10,703	1.86	1.45	54%	1.35	1.64	1.08	+	0.89	-	0.83	22%
2000 - 2003	5,500	11,246	2.04	1.61	51%	1.47	1.73	1.10	+	0.93	-	0.86	21%
2001 - 2004	5,296	10,862	2.05	1.64	50%	1.48	1.82	1.10	+	0.90	-	0.82	20%
2002 - 2005	5,368	11,698	2.18	1.75	50%	1.59	1.91	1.10	+	0.91	-	0.84	20%
PARASITOLOGY / EU-25													
1999 - 2005	7,459	41,809	5.61	3.82	35%	3.71	3.95	1.03	0.97		0.97	32%	
1999 - 2002	4,150	11,788	2.84	1.78	52%	1.76	1.89	1.01	0.94	-	0.97	37%	
2000 - 2003	4,256	12,016	2.82	1.80	52%	1.77	1.88	1.02	0.96		0.97	36%	
2001 - 2004	4,258	12,377	2.91	1.84	52%	1.81	1.91	1.02	0.97		0.98	37%	
2002 - 2005	4,291	12,625	2.94	1.87	49%	1.81	1.91	1.03	0.98		0.98	37%	



Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
PARASITOLOGY / Finland													
1999 - 2005	100	384	3.84	1.85	45%	2.62	2.57	0.70	-	0.72	-	1.06	52%
1999 - 2002	43	78	1.81	1.00	53%	1.65	1.40	0.61	-	0.72		1.21	45%
2000 - 2003	47	113	2.40	1.26	53%	1.35	1.34	0.93		0.94		1.04	48%
2001 - 2004	56	136	2.43	1.23	61%	1.10	1.24	1.12		0.99		0.94	49%
2002 - 2005	70	184	2.63	1.03	61%	1.05	1.41	0.98		0.73		0.85	61%
PARASITOLOGY / Ireland													
1999 - 2005	107	707	6.61	4.50	26%	4.43	4.41	1.02		1.02		1.03	32%
1999 - 2002	67	190	2.84	1.84	51%	1.76	1.80	1.04		1.02		1.03	35%
2000 - 2003	73	278	3.81	2.36	48%	2.16	2.26	1.09		1.04		1.00	38%
2001 - 2004	62	206	3.32	2.11	47%	2.11	2.33	1.00		0.91		0.96	36%
2002 - 2005	55	169	3.07	1.87	44%	2.13	1.97	0.88		0.95		1.13	39%
PARASITOLOGY / UK													
1999 - 2005	2,585	19,081	7.38	5.29	28%	4.76	4.64	1.11	+	1.14	+	1.06	28%
1999 - 2002	1,484	5,463	3.68	2.46	44%	2.25	2.21	1.09	+	1.11	+	1.06	33%
2000 - 2003	1,476	5,595	3.79	2.57	43%	2.37	2.32	1.08		1.11	+	1.06	32%
2001 - 2004	1,423	5,641	3.96	2.65	42%	2.45	2.36	1.08		1.12	+	1.07	33%
2002 - 2005	1,419	5,383	3.79	2.54	43%	2.30	2.15	1.11	+	1.18	+	1.10	33%
PARASITOLOGY / USA													
1999 - 2005	4,104	26,716	6.51	4.52	32%	3.85	4.04	1.17	+	1.12	+	0.99	31%
1999 - 2002	2,260	7,720	3.42	2.17	48%	1.78	1.90	1.22	+	1.14	+	0.98	36%
2000 - 2003	2,316	7,678	3.32	2.15	49%	1.81	1.91	1.18	+	1.13	+	1.00	35%
2001 - 2004	2,352	8,556	3.64	2.43	45%	2.03	2.08	1.19	+	1.17	+	1.01	33%
2002 - 2005	2,400	8,629	3.60	2.41	46%	2.06	2.07	1.17	+	1.16	+	1.02	33%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
PATHOLOGY / EU-25													
1999 - 2005	19,436	141,879	7.30	5.87	32%	5.75	6.74	1.02	0.87	-	0.87	20%	
1999 - 2002	11,189	40,311	3.60	2.76	47%	2.70	3.19	1.02	0.87	-	0.86	23%	
2000 - 2003	11,318	40,872	3.61	2.77	47%	2.72	3.22	1.02	0.86	-	0.86	23%	
2001 - 2004	10,885	38,504	3.54	2.74	47%	2.75	3.27	1.00	0.84	-	0.85	23%	
2002 - 2005	10,802	40,930	3.79	2.97	44%	2.91	3.34	1.02	0.89	-	0.88	22%	
PATHOLOGY / Finland													
1999 - 2005	580	8,867	15.29	12.32	22%	9.20	7.26	1.34	+	1.70	+	1.28	19%
1999 - 2002	370	2,836	7.66	5.64	36%	4.31	3.24	1.31	+	1.74	+	1.34	26%
2000 - 2003	346	2,500	7.23	5.47	33%	4.23	3.33	1.29	+	1.64	+	1.29	24%
2001 - 2004	310	1,997	6.44	5.02	33%	4.14	3.70	1.21	+	1.35	+	1.13	22%
2002 - 2005	286	1,850	6.47	5.08	35%	4.07	3.42	1.25	+	1.49	+	1.20	21%
PATHOLOGY / Ireland													
1999 - 2005	205	1,080	5.27	4.35	36%	4.41	5.10	0.99	0.85		0.85	17%	
1999 - 2002	106	240	2.26	1.83	51%	1.93	2.11	0.95	0.87		0.91	19%	
2000 - 2003	127	325	2.56	1.89	50%	1.97	2.43	0.96	0.78		0.82	26%	
2001 - 2004	126	394	3.13	2.41	52%	2.13	2.74	1.13	0.88		0.77	23%	
2002 - 2005	134	454	3.39	2.66	49%	2.55	3.10	1.05	0.86		0.81	21%	
PATHOLOGY / UK													
1999 - 2005	4,612	41,356	8.97	7.45	27%	7.05	7.10	1.06	+	1.05	+	0.99	17%
1999 - 2002	2,808	12,610	4.49	3.56	42%	3.26	3.32	1.09	+	1.07	+	0.99	21%
2000 - 2003	2,736	11,783	4.31	3.42	42%	3.28	3.33	1.04	1.03		0.99	21%	
2001 - 2004	2,528	10,271	4.06	3.28	42%	3.29	3.32	1.00	0.99		0.99	19%	
2002 - 2005	2,423	11,161	4.61	3.77	39%	3.62	3.49	1.04	1.08	+	1.03	18%	

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
PATHOLOGY / USA													
1999 - 2005	16,580	144,334	8.71	7.20	28%	6.56	6.06	1.10	+	1.19	+	1.08	17%
1999 - 2002	9,504	40,534	4.26	3.38	43%	3.07	2.79	1.10	+	1.21	+	1.09	21%
2000 - 2003	9,481	42,031	4.43	3.52	41%	3.21	2.96	1.10	+	1.19	+	1.08	21%
2001 - 2004	9,163	40,974	4.47	3.57	42%	3.23	3.00	1.11	+	1.19	+	1.08	20%
2002 - 2005	9,325	40,854	4.38	3.51	41%	3.25	3.07	1.08	+	1.14	+	1.06	20%
PAEDIATRICS / EU-25													
1999 - 2005	25,646	97,059	3.78	3.15	42%	3.11	4.28	1.01		0.74	-	0.73	17%
1999 - 2002	14,448	25,693	1.78	1.43	58%	1.38	1.91	1.03		0.75	-	0.73	20%
2000 - 2003	14,344	26,678	1.86	1.50	57%	1.47	2.00	1.02		0.75	-	0.74	19%
2001 - 2004	14,315	25,962	1.81	1.45	57%	1.45	2.04	1.01		0.71	-	0.71	20%
2002 - 2005	14,596	28,025	1.92	1.54	55%	1.55	2.15	1.00		0.72	-	0.72	20%
PAEDIATRICS / Finland													
1999 - 2005	897	5,632	6.28	5.08	28%	4.86	4.98	1.05		1.02		0.97	19%
1999 - 2002	523	1,775	3.39	2.64	43%	2.26	2.28	1.17	+	1.16		0.98	22%
2000 - 2003	511	1,585	3.10	2.40	44%	2.33	2.38	1.03		1.01		0.97	23%
2001 - 2004	506	1,326	2.62	2.02	45%	2.01	2.16	1.00		0.93		0.93	23%
2002 - 2005	493	1,363	2.76	2.14	43%	2.27	2.39	0.94		0.90		0.96	23%
PAEDIATRICS / Ireland													
1999 - 2005	323	1,156	3.58	2.89	36%	2.89	3.72	1.00		0.77	-	0.77	19%
1999 - 2002	160	298	1.86	1.31	56%	1.30	1.65	1.01		0.80		0.79	30%
2000 - 2003	188	371	1.97	1.47	56%	1.45	1.88	1.02		0.79	-	0.77	25%
2001 - 2004	192	334	1.74	1.41	52%	1.55	1.88	0.91		0.75	-	0.81	19%
2002 - 2005	194	315	1.62	1.32	50%	1.29	1.89	1.02		0.70	-	0.67	19%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
PAEDIATRICS / UK													
1999 - 2005	6,996	30,580	4.37	3.71	37%	3.61	4.01	1.03	0.92	-	0.89	15%	
1999 - 2002	3,869	7,998	2.07	1.70	54%	1.65	1.78	1.03	0.96		0.92	18%	
2000 - 2003	3,934	8,465	2.15	1.77	54%	1.66	1.85	1.06	+	0.96	0.89	18%	
2001 - 2004	3,976	8,496	2.14	1.75	52%	1.66	1.91	1.06		0.92	0.86	18%	
2002 - 2005	4,059	8,954	2.21	1.81	50%	1.78	2.07	1.02		0.87	0.85	18%	
PAEDIATRICS / USA													
1999 - 2005	27,936	158,782	5.68	4.91	34%	4.58	4.47	1.07	+	1.10	+	1.00	14%
1999 - 2002	15,588	40,186	2.58	2.15	51%	2.01	2.00	1.07	+	1.08	+	0.98	16%
2000 - 2003	15,566	43,034	2.76	2.31	49%	2.14	2.14	1.08	+	1.08	+	0.98	16%
2001 - 2004	15,558	43,875	2.82	2.37	48%	2.20	2.13	1.08	+	1.11	+	1.01	16%
2002 - 2005	16,019	47,066	2.94	2.48	47%	2.29	2.21	1.08	+	1.13	+	1.01	15%
PERIPHERAL VASCULAR DISEASE / EU-25													
1999 - 2005	27,316	299,700	10.97	9.06	29%	8.82	7.64	1.03	+	1.19	+	1.15	17%
1999 - 2002	14,923	78,611	5.27	4.18	43%	4.10	3.55	1.02		1.18	+	1.15	21%
2000 - 2003	15,330	83,062	5.42	4.31	42%	4.21	3.65	1.03		1.18	+	1.15	20%
2001 - 2004	15,451	87,094	5.64	4.53	40%	4.37	3.80	1.04	+	1.19	+	1.14	20%
2002 - 2005	16,024	97,467	6.08	4.94	38%	4.71	4.13	1.05	+	1.20	+	1.14	19%
PERIPHERAL VASCULAR DISEASE / Finland													
1999 - 2005	852	13,365	15.69	12.85	15%	11.91	8.48	1.08		1.52	+	1.39	18%
1999 - 2002	495	3,779	7.63	5.96	29%	5.44	3.78	1.10		1.58	+	1.43	22%
2000 - 2003	508	4,034	7.94	6.33	31%	5.41	3.93	1.17	+	1.61	+	1.36	20%
2001 - 2004	501	3,669	7.32	5.94	26%	5.27	4.00	1.13		1.48	+	1.30	19%
2002 - 2005	468	3,524	7.53	6.17	25%	6.08	4.57	1.01		1.35	+	1.31	18%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
PERIPHERAL VASCULAR DISEASE / Ireland													
1999 - 2005	281	3,309	11.78	9.70	24%	7.34	7.53	1.32	+	1.29	+	0.97	18%
1999 - 2002	148	657	4.44	3.70	41%	3.41	3.38	1.08		1.09		0.99	17%
2000 - 2003	165	817	4.95	3.87	34%	3.13	3.52	1.24		1.10		0.89	22%
2001 - 2004	164	1,004	6.12	4.82	34%	3.18	3.62	1.52	+	1.33	+	0.89	21%
2002 - 2005	178	1,722	9.67	7.69	33%	4.53	4.39	1.70	+	1.75	+	1.04	21%
PERIPHERAL VASCULAR DISEASE / UK													
1999 - 2005	5,535	68,620	12.40	10.35	26%	9.36	7.41	1.11	+	1.40	+	1.25	17%
1999 - 2002	3,023	17,978	5.95	4.83	41%	4.29	3.35	1.13	+	1.44	+	1.26	19%
2000 - 2003	3,151	18,847	5.98	4.83	40%	4.46	3.53	1.08	+	1.37	+	1.25	19%
2001 - 2004	3,174	19,346	6.10	4.94	38%	4.54	3.69	1.09	+	1.34	+	1.22	19%
2002 - 2005	3,282	22,682	6.91	5.63	35%	5.12	4.12	1.10	+	1.37	+	1.24	19%
PERIPHERAL VASCULAR DISEASE / USA													
1999 - 2005	24,705	357,065	14.45	11.98	23%	11.43	7.64	1.05	+	1.57	+	1.49	17%
1999 - 2002	13,508	93,637	6.93	5.52	35%	5.15	3.46	1.07	+	1.60	+	1.48	20%
2000 - 2003	13,963	101,476	7.27	5.85	34%	5.56	3.65	1.05	+	1.60	+	1.51	20%
2001 - 2004	14,033	108,014	7.70	6.23	32%	5.95	3.94	1.05	+	1.58	+	1.50	19%
2002 - 2005	14,481	114,730	7.92	6.48	32%	6.23	4.20	1.04	+	1.54	+	1.47	18%
PHARMACOLOGY & PHARMACY / EU-25													
1999 - 2005	64,402	476,662	7.40	5.84	28%	5.78	6.14	1.01		0.95	-	0.94	21%
1999 - 2002	35,770	125,643	3.51	2.58	47%	2.54	2.74	1.02		0.94	-	0.93	27%
2000 - 2003	36,129	132,320	3.66	2.73	45%	2.70	2.89	1.01		0.94	-	0.94	26%
2001 - 2004	35,967	136,930	3.81	2.87	43%	2.88	3.07	1.00		0.94	-	0.94	25%
2002 - 2005	37,515	155,579	4.15	3.18	40%	3.17	3.32	1.00		0.96	-	0.96	23%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
PHARMACOLOGY & PHARMACY / Finland													
1999 - 2005	1,486	12,132	8.16	6.35	26%	6.23	5.84	1.02	1.09	+	1.06	22%	
1999 - 2002	821	3,157	3.85	2.82	43%	2.86	2.70	0.99	1.05		1.05	27%	
2000 - 2003	840	3,193	3.80	2.76	43%	2.77	2.73	0.99	1.01		1.01	27%	
2001 - 2004	821	3,316	4.04	2.85	44%	2.88	2.77	0.99	1.03		1.04	29%	
2002 - 2005	845	3,685	4.36	3.20	39%	3.10	3.00	1.04	1.07		1.04	27%	
PHARMACOLOGY & PHARMACY / Ireland													
1999 - 2005	619	5,226	8.44	6.83	27%	5.87	6.07	1.16	+	1.13	0.98	19%	
1999 - 2002	315	1,356	4.30	3.36	44%	2.68	2.90	1.25	+	1.16	0.95	22%	
2000 - 2003	331	1,247	3.77	2.73	45%	2.52	2.71	1.09	+	1.01	0.96	27%	
2001 - 2004	357	1,632	4.57	3.44	40%	3.09	3.10	1.11		1.11	1.01	25%	
2002 - 2005	374	1,930	5.16	4.05	39%	3.34	3.17	1.21	+	1.28	+	1.05	21%
PHARMACOLOGY & PHARMACY / UK													
1999 - 2005	14,103	133,039	9.43	7.72	23%	7.02	6.49	1.10	+	1.19	+	1.08	18%
1999 - 2002	7,974	35,911	4.50	3.49	40%	3.07	2.84	1.14	+	1.23	+	1.08	23%
2000 - 2003	7,975	37,989	4.76	3.71	38%	3.35	3.07	1.11	+	1.21	+	1.08	22%
2001 - 2004	7,901	39,460	4.99	3.92	37%	3.60	3.29	1.09	+	1.19	+	1.08	21%
2002 - 2005	8,058	43,457	5.39	4.30	34%	3.91	3.51	1.10	+	1.23	+	1.11	20%
PHARMACOLOGY & PHARMACY / USA													
1999 - 2005	53,932	476,753	8.84	7.24	26%	6.64	6.27	1.09	+	1.15	+	1.05	18%
1999 - 2002	29,582	123,066	4.16	3.22	42%	2.93	2.80	1.10	+	1.15	+	1.04	23%
2000 - 2003	29,992	130,894	4.36	3.42	41%	3.10	2.95	1.10	+	1.16	+	1.04	22%
2001 - 2004	30,283	140,955	4.65	3.67	39%	3.36	3.12	1.09	+	1.18	+	1.06	21%
2002 - 2005	31,920	160,364	5.02	4.01	37%	3.68	3.40	1.09	+	1.18	+	1.07	20%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
PHYSIOLOGY / EU-25													
1999 - 2005	22,597	193,625	8.57	6.35	27%	6.50	7.33	0.98	-	0.87	-	0.91	26%
1999 - 2002	12,796	50,641	3.96	2.73	45%	2.87	3.30	0.95	-	0.83	-	0.91	31%
2000 - 2003	13,091	55,879	4.27	2.98	42%	3.07	3.55	0.97	-	0.84	-	0.90	30%
2001 - 2004	12,833	58,372	4.55	3.23	41%	3.27	3.70	0.99		0.87	-	0.92	29%
2002 - 2005	12,863	60,650	4.72	3.36	39%	3.33	3.73	1.01		0.90	-	0.93	29%
PHYSIOLOGY / Finland													
1999 - 2005	576	4,993	8.67	6.46	25%	6.19	7.05	1.04		0.92		0.90	25%
1999 - 2002	351	1,283	3.66	2.50	51%	2.36	2.90	1.06		0.86		0.85	32%
2000 - 2003	359	1,273	3.55	2.39	45%	2.60	3.15	0.92		0.76	-	0.86	33%
2001 - 2004	345	1,494	4.33	3.00	38%	3.29	3.67	0.91		0.82	-	0.91	31%
2002 - 2005	312	1,330	4.26	2.92	38%	3.35	3.74	0.87		0.78	-	0.92	32%
PHYSIOLOGY / Ireland													
1999 - 2005	208	1,483	7.13	5.22	28%	5.81	6.98	0.90		0.75	-	0.88	27%
1999 - 2002	111	405	3.65	2.51	44%	2.49	3.08	1.01		0.82		0.87	31%
2000 - 2003	117	361	3.09	1.88	48%	2.63	3.05	0.72	-	0.62	-	0.91	39%
2001 - 2004	127	463	3.65	2.46	37%	2.98	3.47	0.83		0.71	-	0.90	32%
2002 - 2005	128	506	3.95	2.84	41%	3.25	3.99	0.87		0.71	-	0.86	28%
PHYSIOLOGY / UK													
1999 - 2005	5,098	51,391	10.08	7.56	23%	7.16	7.01	1.06	+	1.08	+	1.04	25%
1999 - 2002	2,880	13,660	4.74	3.33	40%	3.23	3.18	1.03		1.05		1.04	30%
2000 - 2003	2,878	14,309	4.97	3.54	38%	3.38	3.31	1.05		1.07	+	1.04	29%
2001 - 2004	2,885	15,410	5.34	3.84	36%	3.63	3.57	1.06		1.07	+	1.04	28%
2002 - 2005	2,932	16,236	5.54	4.00	35%	3.60	3.55	1.11	+	1.13	+	1.04	28%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
PHYSIOLOGY / USA													
1999 - 2005	29,166	336,633	11.54	8.87	20%	8.25	7.55	1.08	+	1.17	+	1.13	23%
1999 - 2002	16,375	93,113	5.69	4.14	34%	3.77	3.45	1.10	+	1.20	+	1.14	27%
2000 - 2003	16,635	97,306	5.85	4.29	32%	4.00	3.68	1.07	+	1.16	+	1.13	27%
2001 - 2004	16,346	97,101	5.94	4.39	32%	4.14	3.82	1.06	+	1.15	+	1.12	26%
2002 - 2005	16,646	97,445	5.85	4.33	32%	4.11	3.87	1.05	+	1.12	+	1.11	26%
PSYCHIATRY / EU-25													
1999 - 2005	31,453	199,753	6.35	5.12	36%	5.14	5.82	1.00		0.88	-	0.89	19%
1999 - 2002	16,772	47,256	2.82	2.14	52%	2.15	2.53	1.00		0.85	-	0.86	24%
2000 - 2003	17,352	52,112	3.00	2.30	51%	2.31	2.65	1.00		0.87	-	0.88	23%
2001 - 2004	17,544	55,547	3.17	2.44	49%	2.46	2.75	0.99		0.89	-	0.90	23%
2002 - 2005	18,790	63,622	3.39	2.62	47%	2.64	2.87	0.99		0.91	-	0.93	23%
PSYCHIATRY / Finland													
1999 - 2005	1,078	7,760	7.20	5.86	30%	6.26	5.79	0.94		1.01		1.09	19%
1999 - 2002	566	1,936	3.42	2.64	46%	2.75	2.61	0.96		1.01		1.07	23%
2000 - 2003	587	1,842	3.14	2.45	47%	2.56	2.50	0.96		0.98		1.04	22%
2001 - 2004	600	2,020	3.37	2.63	45%	2.81	2.60	0.94		1.01		1.09	22%
2002 - 2005	649	2,354	3.63	2.87	41%	3.10	2.80	0.93		1.02		1.10	21%
PSYCHIATRY / Ireland													
1999 - 2005	448	3,399	7.59	6.38	31%	6.13	5.67	1.04		1.12		1.08	16%
1999 - 2002	244	732	3.00	2.44	47%	2.49	2.50	0.98		0.98		1.00	19%
2000 - 2003	219	773	3.53	2.96	40%	2.97	2.88	1.00		1.03		1.04	16%
2001 - 2004	240	978	4.08	3.34	43%	3.14	2.85	1.06		1.17		1.11	18%
2002 - 2005	261	1,247	4.78	3.82	43%	3.38	2.71	1.13		1.41	+	1.24	20%



Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
PSYCHIATRY / UK													
1999 - 2005	10,066	77,397	7.69	6.32	32%	6.10	5.43	1.04	+	1.16	+	1.12	18%
1999 - 2002	5,455	18,515	3.39	2.65	47%	2.56	2.29	1.04		1.16	+	1.12	22%
2000 - 2003	5,642	20,283	3.60	2.82	46%	2.70	2.46	1.05		1.15	+	1.10	21%
2001 - 2004	5,662	21,079	3.72	2.95	44%	2.87	2.56	1.03		1.15	+	1.12	21%
2002 - 2005	5,945	23,951	4.03	3.20	42%	3.04	2.74	1.05	+	1.17	+	1.12	21%
PSYCHIATRY / USA													
1999 - 2005	31,797	307,025	9.66	8.09	28%	7.59	5.73	1.07	+	1.41	+	1.31	16%
1999 - 2002	17,055	73,520	4.31	3.46	42%	3.26	2.49	1.06	+	1.39	+	1.28	20%
2000 - 2003	17,330	77,345	4.46	3.59	41%	3.39	2.61	1.06	+	1.38	+	1.27	20%
2001 - 2004	17,784	79,901	4.49	3.61	41%	3.40	2.65	1.06	+	1.36	+	1.26	20%
2002 - 2005	19,064	93,941	4.93	3.99	39%	3.71	2.82	1.08	+	1.41	+	1.29	19%
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH / EU-25													
1999 - 2005	28,101	149,065	5.30	4.14	35%	3.94	4.32	1.05	+	0.96	-	0.93	22%
1999 - 2002	15,090	35,578	2.36	1.70	54%	1.63	1.82	1.04	+	0.94	-	0.92	28%
2000 - 2003	15,451	38,041	2.46	1.80	51%	1.74	1.95	1.04	+	0.92	-	0.91	27%
2001 - 2004	15,865	40,515	2.55	1.87	50%	1.79	2.03	1.05	+	0.92	-	0.90	27%
2002 - 2005	16,925	47,201	2.79	2.05	48%	1.96	2.20	1.05	+	0.93	-	0.91	26%
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH / Finland													
1999 - 2005	1,429	9,698	6.79	5.25	30%	4.93	4.73	1.06		1.11	+	1.05	23%
1999 - 2002	797	2,188	2.75	2.04	47%	2.04	1.97	1.00		1.04		1.05	26%
2000 - 2003	796	2,591	3.26	2.37	46%	2.12	2.08	1.12		1.14	+	1.03	27%
2001 - 2004	818	2,809	3.43	2.48	45%	2.16	2.12	1.15	+	1.17	+	1.04	28%
2002 - 2005	829	3,044	3.67	2.63	42%	2.35	2.36	1.12		1.11		1.02	28%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH / Ireland													
1999 - 2005	283	1,378	4.87	3.49	37%	3.31	3.87	1.05	0.90	0.89	28%		
1999 - 2002	141	345	2.45	1.60	53%	1.40	1.64	1.14	0.98	0.90	35%		
2000 - 2003	151	380	2.52	1.41	50%	1.42	1.79	0.99	0.79	-	0.85	44%	
2001 - 2004	165	424	2.57	1.47	53%	1.39	1.75	1.05	0.84	0.86	43%		
2002 - 2005	186	576	3.10	1.95	49%	1.79	2.09	1.08	0.93	0.91	37%		
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH / UK													
1999 - 2005	10,965	61,711	5.63	4.49	34%	3.90	4.23	1.15	+	1.06	+	0.93	20%
1999 - 2002	5,855	14,662	2.50	1.85	51%	1.59	1.80	1.17	+	1.03		0.91	26%
2000 - 2003	6,019	15,672	2.60	1.95	49%	1.70	1.91	1.14	+	1.02		0.91	25%
2001 - 2004	6,098	16,771	2.75	2.07	48%	1.78	1.96	1.16	+	1.05	+	0.92	25%
2002 - 2005	6,601	20,062	3.04	2.30	46%	1.99	2.14	1.16	+	1.07	+	0.94	24%
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH / USA													
1999 - 2005	38,920	252,516	6.49	5.36	33%	5.03	4.40	1.06	+	1.22	+	1.13	17%
1999 - 2002	20,504	59,735	2.91	2.28	48%	2.12	1.90	1.08	+	1.20	+	1.11	22%
2000 - 2003	20,999	65,708	3.13	2.46	46%	2.33	2.05	1.06	+	1.20	+	1.13	21%
2001 - 2004	21,799	68,082	3.12	2.45	46%	2.34	2.08	1.05	+	1.18	+	1.11	21%
2002 - 2005	23,604	79,160	3.35	2.64	45%	2.50	2.21	1.06	+	1.20	+	1.12	21%
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING / EU-25													
1999 - 2005	37,119	215,054	5.79	4.59	35%	4.37	4.76	1.05	+	0.96	-	0.93	21%
1999 - 2002	20,410	53,230	2.61	1.92	52%	1.81	2.04	1.06	+	0.94	-	0.90	26%
2000 - 2003	20,439	59,190	2.90	2.18	49%	2.06	2.25	1.06	+	0.97	-	0.93	25%
2001 - 2004	20,920	63,935	3.06	2.33	49%	2.23	2.36	1.04	+	0.98		0.95	24%
2002 - 2005	21,901	70,795	3.23	2.47	47%	2.39	2.53	1.03	+	0.98		0.95	24%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING / Finland													
1999 - 2005	770	4,791	6.22	4.69	31%	5.41	4.59	0.87	-	1.02	1.19	25%	
1999 - 2002	409	1,190	2.91	2.02	49%	2.15	1.88	0.94		1.08	1.17	31%	
2000 - 2003	423	1,249	2.95	2.06	43%	2.47	2.17	0.83	-	0.95	1.16	30%	
2001 - 2004	461	1,447	3.14	2.23	44%	2.85	2.46	0.78	-	0.90	1.18	29%	
2002 - 2005	459	1,604	3.49	2.58	45%	2.92	2.48	0.89		1.04	1.19	26%	
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING / Ireland													
1999 - 2005	361	1,669	4.62	3.79	41%	3.35	4.07	1.13		0.93	0.81	18%	
1999 - 2002	179	383	2.14	1.69	56%	1.51	1.93	1.12		0.88	0.77	21%	
2000 - 2003	173	446	2.58	1.91	54%	1.79	2.17	1.07		0.88	0.81	26%	
2001 - 2004	200	525	2.63	1.98	60%	1.71	1.97	1.16		1.00	0.85	25%	
2002 - 2005	223	614	2.75	2.14	55%	1.74	2.03	1.23		1.05	0.83	22%	
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING / UK													
1999 - 2005	7,392	49,859	6.74	5.44	33%	4.74	4.69	1.15	+	1.16	+	1.02	19%
1999 - 2002	4,149	12,219	2.95	2.19	49%	1.89	1.98	1.16	+	1.11	+	0.97	26%
2000 - 2003	4,106	13,317	3.24	2.46	47%	2.18	2.23	1.13	+	1.10	+	0.99	24%
2001 - 2004	4,067	14,431	3.55	2.74	46%	2.43	2.36	1.13	+	1.16	+	1.04	23%
2002 - 2005	4,232	15,840	3.74	2.91	44%	2.56	2.47	1.13	+	1.18	+	1.05	22%
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING / USA													
1999 - 2005	31,768	231,374	7.28	5.91	31%	5.51	4.93	1.07	+	1.20	+	1.11	19%
1999 - 2002	17,866	58,341	3.27	2.50	48%	2.35	2.14	1.06	+	1.17	+	1.10	23%
2000 - 2003	17,698	62,580	3.54	2.75	46%	2.54	2.28	1.08	+	1.20	+	1.11	22%
2001 - 2004	17,604	65,547	3.72	2.90	44%	2.66	2.41	1.09	+	1.20	+	1.10	22%
2002 - 2005	18,188	72,204	3.97	3.10	43%	2.81	2.58	1.11	+	1.21	+	1.09	22%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
REHABILITATION / EU-25													
1999 - 2005	5,752	19,657	3.42	2.62	43%	2.48	3.07	1.06	+	0.85	-	0.83	23%
1999 - 2002	3,011	4,261	1.42	1.01	62%	0.96	1.28	1.06		0.79	-	0.78	29%
2000 - 2003	3,199	4,670	1.46	1.02	59%	0.99	1.29	1.03		0.79	-	0.81	30%
2001 - 2004	3,369	5,546	1.65	1.15	58%	1.09	1.37	1.05		0.84	-	0.84	30%
2002 - 2005	3,503	6,458	1.84	1.27	56%	1.24	1.52	1.03		0.84	-	0.86	31%
REHABILITATION / Finland													
1999 - 2005	198	767	3.87	3.01	44%	2.67	3.16	1.13		0.95		0.87	22%
1999 - 2002	105	199	1.90	1.47	61%	1.10	1.40	1.34		1.04		0.80	23%
2000 - 2003	110	195	1.77	1.30	55%	1.09	1.39	1.19		0.94		0.82	27%
2001 - 2004	120	187	1.56	0.98	66%	1.14	1.41	0.86		0.70	-	0.86	37%
2002 - 2005	116	216	1.86	1.20	61%	1.14	1.35	1.05		0.88		0.91	36%
REHABILITATION / Ireland													
1999 - 2005	131	467	3.56	2.15	46%	2.14	2.86	1.01		0.75	-	0.78	40%
1999 - 2002	70	111	1.59	0.84	66%	0.76	0.90	1.10		0.94		0.89	47%
2000 - 2003	77	172	2.23	1.23	56%	1.07	1.35	1.16		0.92		0.85	45%
2001 - 2004	82	206	2.51	1.20	55%	1.26	1.79	0.95		0.67	-	0.77	52%
2002 - 2005	82	126	1.54	0.77	62%	1.12	1.66	0.69	-	0.46	-	0.71	50%
REHABILITATION / UK													
1999 - 2005	2,421	8,186	3.38	2.72	40%	2.51	3.11	1.08	+	0.88	-	0.82	19%
1999 - 2002	1,352	1,931	1.43	1.07	59%	0.95	1.21	1.13	+	0.89	-	0.80	25%
2000 - 2003	1,432	1,968	1.37	1.03	58%	0.96	1.20	1.07		0.86	-	0.82	25%
2001 - 2004	1,454	2,389	1.64	1.23	54%	1.09	1.42	1.12	+	0.86	-	0.80	25%
2002 - 2005	1,413	2,532	1.79	1.35	53%	1.29	1.65	1.04		0.82	-	0.81	25%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
REHABILITATION / USA												
1999 - 2005	12,259	39,864	3.25	2.58	44%	2.52	2.80	1.02	0.92	-	0.91	21%
1999 - 2002	6,897	9,384	1.36	1.00	62%	0.98	1.07	1.02	0.94	-	0.93	26%
2000 - 2003	7,149	10,459	1.46	1.08	60%	1.04	1.19	1.03	0.91	-	0.90	26%
2001 - 2004	6,919	10,204	1.47	1.08	60%	1.05	1.20	1.03	0.90	-	0.90	27%
2002 - 2005	7,138	11,947	1.67	1.27	57%	1.21	1.38	1.05	0.91	+	0.88	24%
RESPIRATORY SYSTEM / EU-25												
1999 - 2005	20,464	144,864	7.08	5.88	33%	5.71	5.91	1.03	1.00	+	0.97	17%
1999 - 2002	11,238	37,662	3.35	2.65	47%	2.56	2.63	1.03	1.00	-	0.98	21%
2000 - 2003	11,489	41,252	3.59	2.89	45%	2.79	2.85	1.04	1.02	+	0.98	19%
2001 - 2004	11,636	41,362	3.55	2.88	45%	2.84	2.97	1.01	0.97	-	0.95	19%
2002 - 2005	12,145	45,575	3.75	3.06	44%	2.98	3.13	1.03	0.98	-	0.95	18%
RESPIRATORY SYSTEM / Finland												
1999 - 2005	432	3,837	8.88	7.23	21%	7.00	6.84	1.03	1.06	-	1.02	19%
1999 - 2002	268	1,037	3.87	2.87	38%	2.72	2.71	1.05	1.06	-	1.00	26%
2000 - 2003	271	1,199	4.42	3.38	36%	3.18	3.09	1.06	1.09	-	1.03	24%
2001 - 2004	257	1,188	4.62	3.65	37%	3.43	3.31	1.06	1.10	-	1.03	21%
2002 - 2005	238	1,124	4.72	3.79	34%	4.06	3.87	0.93	0.98	-	1.04	20%
RESPIRATORY SYSTEM / Ireland												
1999 - 2005	177	1,235	6.98	5.80	27%	6.04	5.85	0.96	0.99	-	1.04	17%
1999 - 2002	92	230	2.50	2.03	48%	2.42	2.36	0.84	0.86	-	1.04	19%
2000 - 2003	101	308	3.05	2.46	43%	2.94	3.08	0.83	0.80	-	0.96	19%
2001 - 2004	109	391	3.59	2.86	47%	2.75	2.88	1.04	0.99	-	0.97	20%
2002 - 2005	120	594	4.95	4.00	35%	3.78	3.65	1.06	1.09	-	1.04	19%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
RESPIRATORY SYSTEM / UK													
1999 - 2005	5,431	49,629	9.14	7.63	30%	6.61	5.96	1.15	+	1.28	+	1.11	17%
1999 - 2002	3,075	12,906	4.20	3.32	44%	2.85	2.54	1.17	+	1.31	+	1.12	21%
2000 - 2003	3,140	14,569	4.64	3.75	41%	3.15	2.86	1.19	+	1.31	+	1.10	19%
2001 - 2004	3,153	14,103	4.47	3.64	42%	3.23	3.02	1.13	+	1.20	+	1.07	19%
2002 - 2005	3,180	15,615	4.91	4.02	40%	3.56	3.26	1.13	+	1.23	+	1.09	18%
RESPIRATORY SYSTEM / USA													
1999 - 2005	17,759	156,476	8.81	7.40	28%	6.96	6.41	1.06	+	1.15	+	1.08	16%
1999 - 2002	10,061	40,955	4.07	3.27	41%	3.09	2.87	1.06	+	1.14	+	1.08	20%
2000 - 2003	10,066	44,584	4.43	3.59	40%	3.40	3.11	1.06	+	1.16	+	1.09	19%
2001 - 2004	9,918	45,399	4.58	3.73	39%	3.49	3.19	1.07	+	1.17	+	1.09	18%
2002 - 2005	10,090	48,824	4.84	4.00	39%	3.64	3.35	1.10	+	1.19	+	1.08	17%
RHEUMATOLOGY / EU-25													
1999 - 2005	12,290	90,433	7.36	5.93	32%	5.78	5.77	1.03		1.03		1.00	19%
1999 - 2002	6,386	21,134	3.31	2.56	49%	2.48	2.52	1.03		1.01		0.99	23%
2000 - 2003	6,796	24,611	3.62	2.83	45%	2.82	2.80	1.00		1.01		1.01	22%
2001 - 2004	7,221	27,822	3.85	3.01	45%	2.98	2.93	1.01		1.03		1.02	22%
2002 - 2005	7,611	32,907	4.32	3.41	42%	3.30	3.26	1.03		1.05	+	1.01	21%
RHEUMATOLOGY / Finland													
1999 - 2005	553	4,525	8.18	6.44	26%	6.36	6.43	1.01		1.00		0.99	21%
1999 - 2002	315	1,133	3.60	2.67	48%	2.60	2.71	1.03		0.99		0.96	26%
2000 - 2003	329	1,297	3.94	2.99	42%	3.10	2.99	0.96		1.00		1.03	24%
2001 - 2004	336	1,368	4.07	3.03	43%	3.29	3.20	0.92		0.95		1.03	26%
2002 - 2005	309	1,400	4.53	3.38	35%	3.37	3.40	1.00		0.99		0.99	26%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
RHEUMATOLOGY / Ireland													
1999 - 2005	127	2,134	16.80	14.04	20%	7.55	5.98	1.86	+	2.35	+	1.27	16%
1999 - 2002	69	620	8.99	7.33	41%	2.70	2.21	2.71	+	3.32	+	1.23	18%
2000 - 2003	74	490	6.62	5.43	38%	3.30	2.57	1.65		2.12	+	1.29	18%
2001 - 2004	84	599	7.13	5.76	31%	4.23	3.17	1.36		1.82	+	1.34	19%
2002 - 2005	81	662	8.17	6.80	26%	4.98	3.89	1.36		1.75	+	1.28	17%
RHEUMATOLOGY / UK													
1999 - 2005	3,282	28,584	8.71	7.21	31%	6.58	5.49	1.10	+	1.31	+	1.20	17%
1999 - 2002	1,692	6,803	4.02	3.22	46%	2.82	2.37	1.14	+	1.36	+	1.19	20%
2000 - 2003	1,855	7,662	4.13	3.32	42%	3.20	2.61	1.04		1.27	+	1.22	20%
2001 - 2004	1,991	8,506	4.27	3.40	42%	3.30	2.76	1.03		1.23	+	1.19	20%
2002 - 2005	2,051	9,881	4.82	3.87	40%	3.76	3.18	1.03		1.22	+	1.18	20%
RHEUMATOLOGY / USA													
1999 - 2005	5,977	57,633	9.64	8.03	28%	7.22	6.24	1.11	+	1.29	+	1.16	17%
1999 - 2002	3,077	13,926	4.53	3.64	42%	3.24	2.77	1.13	+	1.31	+	1.17	20%
2000 - 2003	3,227	15,214	4.71	3.84	41%	3.42	2.93	1.12	+	1.31	+	1.17	19%
2001 - 2004	3,565	17,714	4.97	4.00	39%	3.60	3.12	1.11	+	1.28	+	1.16	19%
2002 - 2005	3,709	21,167	5.71	4.66	36%	4.18	3.54	1.12	+	1.32	+	1.19	18%
SOCIAL WORK / EU-25													
1999 - 2005	1,270	2,645	2.08	1.69	47%	1.73	2.20	0.97		0.77	-	0.78	19%
1999 - 2002	693	596	0.86	0.65	68%	0.66	0.85	0.99		0.77	-	0.76	24%
2000 - 2003	722	676	0.94	0.70	66%	0.70	0.90	1.00		0.78	-	0.79	25%
2001 - 2004	701	714	1.02	0.76	65%	0.73	0.93	1.03		0.82	-	0.80	26%
2002 - 2005	773	827	1.07	0.83	61%	0.87	1.07	0.96		0.78	-	0.81	22%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
SOCIAL WORK / Finland													
1999 - 2005	31	73	2.35	2.10	55%	1.68	2.05	1.24	1.02	0.81	11%		
1999 - 2002	19	16	0.84	0.63	79%	0.51	0.67	1.23	0.95	0.77	25%		
2000 - 2003	20	13	0.65	0.60	75%	0.50	0.57	1.20	1.06	0.82	8%		
2001 - 2004	20	18	0.90	0.85	65%	0.63	0.76	1.35	1.12	0.79	6%		
2002 - 2005	21	15	0.71	0.57	57%	0.87	1.10	0.66	0.52	-	0.76	20%	
SOCIAL WORK / Ireland													
1999 - 2005	27	47	1.74	1.37	48%	2.40	2.19	0.57	-	0.63	-	1.03	21%
1999 - 2002	16	11	0.69	0.50	69%	0.87	0.81	0.57	0.62	0.99	27%		
2000 - 2003	14	8	0.57	0.36	86%	0.64	0.67	0.55	0.53	0.94	38%		
2001 - 2004	15	19	1.27	0.93	53%	0.85	0.70	1.10	1.33	1.12	26%		
2002 - 2005	16	15	0.94	0.69	50%	1.39	1.22	0.49	?	0.56	?	1.07	27%
SOCIAL WORK / UK													
1999 - 2005	978	2,149	2.20	1.83	44%	1.75	2.25	1.04	0.81	-	0.77	17%	
1999 - 2002	543	503	0.93	0.73	65%	0.67	0.87	1.08	0.84	-	0.77	22%	
2000 - 2003	554	551	0.99	0.76	63%	0.73	0.95	1.04	0.81	-	0.79	23%	
2001 - 2004	528	551	1.04	0.80	64%	0.74	0.94	1.09	0.85	-	0.79	23%	
2002 - 2005	588	693	1.18	0.93	59%	0.87	1.10	1.07	0.85	-	0.79	21%	
SOCIAL WORK / USA													
1999 - 2005	4,545	11,554	2.54	2.11	46%	2.02	2.19	1.04	0.96	0.92	17%		
1999 - 2002	2,616	2,679	1.02	0.78	65%	0.77	0.88	1.01	0.89	-	0.88	24%	
2000 - 2003	2,461	2,612	1.06	0.81	64%	0.78	0.89	1.04	0.91	-	0.88	24%	
2001 - 2004	2,386	2,394	1.00	0.77	66%	0.74	0.83	1.04	0.92	-	0.89	23%	
2002 - 2005	2,588	2,998	1.16	0.92	63%	0.86	0.93	1.07	0.99	0.92	21%		



Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
SPORT SCIENCES / EU-25													
1999 - 2005	11,655	47,387	4.07	3.04	45%	3.09	3.79	0.98	0.80	-	0.84	25%	
1999 - 2002	5,940	10,471	1.76	1.18	62%	1.20	1.57	0.99	0.75	-	0.81	33%	
2000 - 2003	6,515	11,692	1.79	1.23	61%	1.26	1.60	0.98	0.77	-	0.82	31%	
2001 - 2004	6,824	12,664	1.86	1.29	61%	1.29	1.69	1.00	0.76	-	0.80	30%	
2002 - 2005	7,315	14,720	2.01	1.41	58%	1.43	1.87	0.98	0.75	-	0.80	30%	
SPORT SCIENCES / Finland													
1999 - 2005	506	3,510	6.94	5.56	29%	4.48	4.12	1.24	+	1.35	+	1.09	20%
1999 - 2002	284	768	2.70	2.01	51%	1.56	1.62	1.29	+	1.25		1.00	26%
2000 - 2003	300	904	3.01	2.23	48%	1.74	1.71	1.28	+	1.30	+	1.03	26%
2001 - 2004	293	853	2.91	2.15	51%	1.86	1.74	1.16		1.23		1.06	26%
2002 - 2005	297	1,002	3.37	2.59	42%	2.15	1.96	1.20		1.32	+	1.09	23%
SPORT SCIENCES / Ireland													
1999 - 2005	137	466	3.40	2.61	50%	3.03	3.30	0.86		0.79		0.93	23%
1999 - 2002	68	66	0.97	0.60	69%	0.83	1.03	0.72		0.59	-	0.84	38%
2000 - 2003	82	135	1.65	1.01	54%	1.35	1.50	0.75		0.68	-	0.91	39%
2001 - 2004	84	217	2.58	1.75	56%	1.74	1.89	1.00		0.93	-	0.93	32%
2002 - 2005	93	166	1.78	1.18	62%	1.83	2.01	0.65	-	0.59	-	0.93	34%
SPORT SCIENCES / UK													
1999 - 2005	3,558	13,156	3.70	2.77	47%	2.85	3.52	0.97		0.79	-	0.83	25%
1999 - 2002	1,766	2,788	1.58	1.07	63%	1.10	1.45	0.97		0.74	-	0.80	32%
2000 - 2003	2,015	3,115	1.55	1.09	64%	1.12	1.43	0.97		0.76	-	0.81	29%
2001 - 2004	2,116	3,385	1.60	1.13	63%	1.16	1.58	0.97		0.72	-	0.76	29%
2002 - 2005	2,218	4,092	1.84	1.28	60%	1.33	1.74	0.97		0.74	-	0.79	30%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm	JCSm/ FCSm	% Self- Citations
SPORT SCIENCES / USA												
1999 - 2005	16,227	83,639	5.15	4.09	38%	3.85	4.04	1.06	+	1.01	0.96	21%
1999 - 2002	8,878	19,329	2.18	1.60	56%	1.50	1.60	1.06	+	1.00	0.96	27%
2000 - 2003	9,283	21,500	2.32	1.72	56%	1.62	1.75	1.06	+	0.98	0.94	26%
2001 - 2004	9,332	21,737	2.33	1.74	54%	1.65	1.81	1.06	+	0.96	- 0.93	25%
2002 - 2005	9,556	23,671	2.48	1.86	52%	1.73	1.96	1.07	+	0.95	- 0.91	25%
SUBSTANCE ABUSE / EU-25												
1999 - 2005	3,016	16,313	5.41	4.13	34%	4.29	4.61	0.96		0.90	- 0.95	24%
1999 - 2002	1,642	3,819	2.33	1.60	52%	1.68	1.91	0.95		0.84	- 0.92	31%
2000 - 2003	1,668	4,338	2.60	1.88	49%	1.94	2.07	0.97		0.91	- 0.95	28%
2001 - 2004	1,673	4,729	2.83	2.12	47%	2.18	2.20	0.97		0.96	- 0.99	25%
2002 - 2005	1,759	4,952	2.82	2.09	48%	2.05	2.17	1.02		0.96	- 0.96	26%
SUBSTANCE ABUSE / Finland												
1999 - 2005	256	1,714	6.70	5.10	27%	5.65	5.13	0.90		0.99	1.12	24%
1999 - 2002	158	453	2.87	1.94	46%	2.11	1.90	0.92		1.02	1.14	32%
2000 - 2003	155	540	3.48	2.48	44%	2.56	2.14	0.97		1.16	1.20	29%
2001 - 2004	150	589	3.93	2.81	37%	3.02	2.62	0.93		1.07	1.16	29%
2002 - 2005	125	328	2.62	1.90	46%	2.32	2.19	0.82		0.87	1.10	27%
SUBSTANCE ABUSE / Ireland												
1999 - 2005	35	95	2.71	2.17	46%	2.91	4.51	0.75		0.48	- 0.66	20%
1999 - 2002	17	29	1.71	1.35	59%	1.18	2.16	1.15		0.63	- 0.57	21%
2000 - 2003	17	18	1.06	0.76	53%	1.41	1.63	0.54	-	0.47	- 0.85	28%
2001 - 2004	24	24	1.00	0.75	63%	1.48	1.98	0.51	-	0.38	- 0.75	25%
2002 - 2005	23	32	1.39	1.13	61%	1.48	2.15	0.77		0.53	- 0.72	19%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
SUBSTANCE ABUSE / UK													
1999 - 2005	1,080	5,362	4.96	3.85	35%	3.96	4.57	0.97	0.84	-	0.88	22%	
1999 - 2002	593	1,260	2.12	1.41	55%	1.49	1.87	0.94	0.75	-	0.83	34%	
2000 - 2003	614	1,433	2.33	1.69	53%	1.84	2.16	0.92	0.78	-	0.86	28%	
2001 - 2004	603	1,476	2.45	1.88	51%	2.02	2.16	0.93	0.87	-	0.93	23%	
2002 - 2005	617	1,585	2.57	1.95	49%	1.84	2.15	1.06	0.91		0.88	24%	
SUBSTANCE ABUSE / USA													
1999 - 2005	7,811	50,063	6.41	5.04	29%	4.68	4.47	1.08	+	1.13	+	1.04	21%
1999 - 2002	4,128	11,146	2.70	1.96	47%	1.81	1.86	1.08	+	1.05	+	0.98	27%
2000 - 2003	4,246	12,346	2.91	2.17	46%	2.00	1.94	1.09	+	1.11	+	1.03	26%
2001 - 2004	4,414	13,568	3.07	2.31	45%	2.15	2.01	1.07	+	1.15	+	1.06	25%
2002 - 2005	4,654	15,098	3.24	2.43	44%	2.28	2.12	1.06	+	1.15	+	1.07	25%
SURGERY / EU-25													
1999 - 2005	64,403	276,833	4.30	3.64	41%	3.51	4.57	1.04	+	0.80	-	0.76	15%
1999 - 2002	35,945	69,060	1.92	1.55	59%	1.49	1.98	1.04	+	0.78	-	0.75	19%
2000 - 2003	36,510	73,903	2.02	1.65	57%	1.57	2.08	1.04	+	0.79	-	0.75	19%
2001 - 2004	36,382	76,229	2.10	1.71	55%	1.67	2.24	1.02	+	0.76	-	0.74	18%
2002 - 2005	37,361	84,966	2.27	1.87	53%	1.83	2.38	1.02	+	0.78	-	0.76	18%
SURGERY / Finland													
1999 - 2005	1,253	7,025	5.61	4.61	33%	4.01	4.95	1.15	+	0.93		0.81	18%
1999 - 2002	754	1,850	2.45	1.85	56%	1.59	2.04	1.17	+	0.91		0.78	24%
2000 - 2003	741	1,907	2.57	1.96	54%	1.68	2.25	1.17	+	0.87	-	0.75	24%
2001 - 2004	708	1,896	2.68	2.07	50%	1.84	2.45	1.12		0.84	-	0.75	23%
2002 - 2005	673	2,176	3.23	2.59	42%	2.12	2.51	1.22	+	1.03		0.84	20%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
SURGERY / Ireland												
1999 - 2005	722	2,807	3.89	3.35	37%	3.66	4.05	0.92	0.83	-	0.89	14%
1999 - 2002	358	581	1.62	1.26	60%	1.45	1.69	0.87	0.75	-	0.85	23%
2000 - 2003	416	737	1.77	1.46	53%	1.68	1.84	0.87	0.79	-	0.90	17%
2001 - 2004	457	915	2.00	1.77	51%	1.88	2.04	0.94	0.87	-	0.90	11%
2002 - 2005	463	996	2.15	1.86	49%	2.14	2.27	0.87	0.82	-	0.92	14%
SURGERY / UK												
1999 - 2005	16,696	71,998	4.31	3.72	42%	3.63	4.16	1.03	0.90	-	0.86	14%
1999 - 2002	9,302	18,352	1.97	1.64	59%	1.55	1.77	1.06	0.92	+	0.86	17%
2000 - 2003	9,600	19,228	2.00	1.66	58%	1.62	1.92	1.02	0.86	-	0.84	17%
2001 - 2004	9,389	19,026	2.03	1.69	56%	1.71	2.02	0.99	0.84	-	0.84	17%
2002 - 2005	9,683	21,821	2.25	1.90	54%	1.88	2.18	1.01	0.87	-	0.85	16%
SURGERY / USA												
1999 - 2005	59,105	369,155	6.25	5.38	32%	4.94	4.67	1.09	1.15	+	1.05	14%
1999 - 2002	33,445	93,757	2.80	2.32	49%	2.13	2.05	1.09	1.13	+	1.03	17%
2000 - 2003	33,253	95,255	2.86	2.38	48%	2.19	2.10	1.09	1.13	+	1.03	17%
2001 - 2004	33,163	99,986	3.01	2.52	47%	2.27	2.20	1.11	1.14	+	1.02	17%
2002 - 2005	33,632	111,449	3.31	2.78	45%	2.50	2.37	1.11	1.18	+	1.04	16%
TOXICOLOGY / EU-25												
1999 - 2005	16,650	109,653	6.59	5.06	31%	4.80	5.32	1.05	0.95	-	0.91	23%
1999 - 2002	9,313	27,778	2.98	2.10	49%	2.02	2.35	1.04	0.89	-	0.88	30%
2000 - 2003	9,434	30,223	3.20	2.29	47%	2.21	2.48	1.04	0.92	-	0.91	29%
2001 - 2004	9,395	30,134	3.21	2.27	47%	2.24	2.51	1.01	0.91	-	0.91	29%
2002 - 2005	9,659	34,342	3.56	2.61	45%	2.49	2.68	1.05	0.97	+	0.94	27%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
TOXICOLOGY / Finland											
1999 - 2005	611	3,896	6.38	4.65	29%	4.57	5.03	1.02	0.92	0.93	27%
1999 - 2002	349	1,101	3.15	2.07	50%	1.98	2.20	1.04	0.94	0.93	35%
2000 - 2003	341	993	2.91	1.79	52%	1.83	2.14	0.98	0.84	0.90	38%
2001 - 2004	344	897	2.61	1.55	53%	1.93	2.31	0.80	0.67	0.89	40%
2002 - 2005	346	1,050	3.03	2.13	44%	2.35	2.60	0.91	0.82	0.94	30%
TOXICOLOGY / Ireland											
1999 - 2005	137	808	5.90	4.09	35%	3.62	4.32	1.13	0.95	0.86	31%
1999 - 2002	64	171	2.67	2.00	52%	1.59	2.29	1.26	0.87	0.73	25%
2000 - 2003	67	239	3.57	2.21	43%	1.46	1.77	1.51	1.25	0.87	38%
2001 - 2004	78	252	3.23	1.87	41%	1.64	1.87	1.14	1.00	0.91	42%
2002 - 2005	91	344	3.78	2.37	46%	2.17	2.21	1.09	1.08	0.98	37%
TOXICOLOGY / UK											
1999 - 2005	3,608	29,914	8.29	6.56	26%	5.46	5.69	1.20	1.15	0.96	21%
1999 - 2002	2,094	7,979	3.81	2.82	45%	2.23	2.42	1.26	1.16	0.94	26%
2000 - 2003	2,100	8,360	3.98	2.95	41%	2.56	2.63	1.15	1.12	0.98	26%
2001 - 2004	2,068	8,126	3.93	2.83	43%	2.59	2.65	1.09	1.07	0.98	28%
2002 - 2005	2,028	8,929	4.40	3.31	38%	2.86	2.94	1.16	1.13	0.98	25%
TOXICOLOGY / USA											
1999 - 2005	18,617	138,562	7.44	5.85	29%	5.63	5.58	1.04	1.05	1.02	21%
1999 - 2002	10,803	37,818	3.50	2.55	45%	2.42	2.40	1.06	1.07	1.02	27%
2000 - 2003	10,682	41,027	3.84	2.84	43%	2.68	2.62	1.06	1.09	1.04	26%
2001 - 2004	10,369	39,856	3.84	2.89	45%	2.70	2.66	1.07	1.09	1.03	25%
2002 - 2005	10,398	40,946	3.94	2.97	42%	2.82	2.85	1.06	1.04	1.00	25%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
TRANSPLANTATION / EU-25												
1999 - 2005	13,790	70,104	5.08	4.21	36%	4.22	5.73	1.00	0.73	-	0.73	17%
1999 - 2002	7,619	18,568	2.44	1.93	55%	1.92	2.60	1.00	0.74	-	0.74	21%
2000 - 2003	7,782	19,973	2.57	2.04	52%	2.04	2.74	1.00	0.74	-	0.74	21%
2001 - 2004	7,932	20,534	2.59	2.08	49%	2.04	2.96	1.02	0.70	-	0.69	20%
2002 - 2005	8,268	23,991	2.90	2.36	47%	2.35	3.17	1.00	0.74	-	0.74	19%
TRANSPLANTATION / Finland												
1999 - 2005	255	1,519	5.96	4.87	34%	4.61	6.06	1.06	0.80	-	0.76	18%
1999 - 2002	138	353	2.56	2.04	51%	1.93	2.71	1.06	0.75	-	0.71	20%
2000 - 2003	149	459	3.08	2.40	48%	2.34	3.11	1.03	0.77	-	0.75	22%
2001 - 2004	153	470	3.07	2.34	45%	2.40	3.47	0.97	0.67	-	0.69	24%
2002 - 2005	148	577	3.90	3.10	44%	2.84	3.07	1.09	1.01	-	0.92	20%
TRANSPLANTATION / Ireland												
1999 - 2005	74	523	7.07	6.27	35%	5.15	4.75	1.22	1.32	-	1.06	11%
1999 - 2002	34	95	2.79	2.41	53%	2.12	2.34	1.14	1.03	-	0.89	14%
2000 - 2003	34	98	2.88	2.44	38%	2.64	2.59	0.92	0.94	-	0.99	15%
2001 - 2004	44	168	3.82	3.32	50%	2.69	2.34	1.23	1.42	-	1.12	13%
2002 - 2005	52	254	4.88	4.27	48%	3.80	2.84	1.12	1.50	-	1.29	13%
TRANSPLANTATION / UK												
1999 - 2005	2,392	16,028	6.70	5.67	31%	5.15	5.85	1.10	0.97	+	0.87	15%
1999 - 2002	1,338	4,468	3.34	2.74	48%	2.32	2.69	1.18	1.02	+	0.86	18%
2000 - 2003	1,352	4,392	3.25	2.61	46%	2.59	2.95	1.01	0.89	-	0.88	20%
2001 - 2004	1,348	4,589	3.40	2.80	44%	2.52	2.97	1.11	0.94	+	0.84	18%
2002 - 2005	1,378	5,291	3.84	3.20	41%	2.94	3.12	1.09	1.03	-	0.93	17%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm	JCSm/ FCSm	% Self- Citations
TRANSPLANTATION / USA												
1999 - 2005	10,157	73,085	7.20	6.00	29%	5.34	6.10	1.12	+	0.98	0.88	17%
1999 - 2002	5,540	18,727	3.38	2.67	47%	2.41	2.82	1.11	+	0.95	0.86	21%
2000 - 2003	5,648	19,927	3.53	2.83	44%	2.54	3.03	1.12	+	0.93	0.85	20%
2001 - 2004	5,853	21,485	3.67	2.96	42%	2.62	3.14	1.13	+	0.94	0.84	19%
2002 - 2005	6,096	27,161	4.46	3.66	39%	3.13	3.27	1.17	+	1.12	0.96	18%
TROPICAL MEDICINE / EU-25												
1999 - 2005	3,460	17,874	5.17	3.68	32%	3.30	3.84	1.12	+	0.96	0.91	29%
1999 - 2002	1,949	4,537	2.33	1.58	53%	1.41	1.66	1.12	+	0.95	0.90	32%
2000 - 2003	1,957	4,563	2.33	1.52	53%	1.40	1.67	1.08	+	0.91	0.89	35%
2001 - 2004	1,951	5,022	2.57	1.66	48%	1.52	1.73	1.09	+	0.96	0.93	36%
2002 - 2005	1,964	5,960	3.03	2.02	44%	1.82	1.94	1.11	+	1.04	0.98	33%
TROPICAL MEDICINE / Finland												
1999 - 2005	11	22	2.00	1.36	27%	3.51	4.04	0.39	-	0.34	0.93	32%
1999 - 2002	5	7	1.40	0.80	40%	2.68	2.29	0.30	?	0.35	1.24	43%
2000 - 2003	6	6	1.00	0.50	67%	1.13	1.58	0.44		0.32	0.75	50%
2001 - 2004	6	6	1.00	0.83	33%	0.62	1.13	1.34	?	0.73	0.55	17%
2002 - 2005	6	10	1.67	1.33	33%	1.10	1.94	1.22		0.69	0.61	20%
TROPICAL MEDICINE / Ireland												
1999 - 2005	19	162	8.53	4.58	5%	4.12	4.21	1.11		1.09	1.00	46%
1999 - 2002	11	23	2.09	1.18	45%	1.54	1.67	0.77		0.71	0.98	43%
2000 - 2003	14	46	3.29	1.21	36%	1.02	1.33	1.19		0.91	0.81	63%
2001 - 2004	13	57	4.38	1.69	31%	1.50	1.57	1.12		1.08	0.96	61%
2002 - 2005	10	55	5.50	2.90	10%	3.16	2.51	0.92		1.16	1.14	47%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
TROPICAL MEDICINE / UK													
1999 - 2005	1,486	9,055	6.09	4.56	31%	3.37	3.90	1.35	+	1.17	+	0.91	25%
1999 - 2002	835	2,425	2.90	2.04	48%	1.49	1.74	1.37	+	1.18	+	0.91	30%
2000 - 2003	808	2,288	2.83	2.03	45%	1.53	1.82	1.33	+	1.12	+	0.89	28%
2001 - 2004	795	2,262	2.85	1.96	44%	1.50	1.68	1.31	+	1.17	+	0.95	31%
2002 - 2005	835	2,598	3.11	2.20	44%	1.77	1.89	1.25	+	1.17	+	0.98	29%
TROPICAL MEDICINE / USA													
1999 - 2005	1,870	11,702	6.26	4.42	29%	3.85	3.53	1.15	+	1.25	+	1.16	29%
1999 - 2002	972	2,946	3.03	2.04	48%	1.77	1.55	1.15	+	1.32	+	1.20	33%
2000 - 2003	999	2,814	2.82	1.78	49%	1.53	1.44	1.17	+	1.24	+	1.16	37%
2001 - 2004	1,096	3,746	3.42	2.29	42%	1.94	1.72	1.18	+	1.33	+	1.20	33%
2002 - 2005	1,149	4,046	3.52	2.29	41%	1.94	1.84	1.18	+	1.24	+	1.15	35%
UROLOGY & NEPHROLOGY / EU-25													
1999 - 2005	24,541	156,044	6.36	5.26	35%	5.15	5.62	1.02	+	0.94	-	0.92	17%
1999 - 2002	13,573	40,183	2.96	2.34	52%	2.28	2.50	1.03		0.94	-	0.91	21%
2000 - 2003	13,825	44,284	3.20	2.54	49%	2.50	2.74	1.01		0.93	-	0.92	21%
2001 - 2004	14,063	46,174	3.28	2.63	48%	2.55	2.76	1.03		0.95	-	0.93	20%
2002 - 2005	14,384	51,982	3.61	2.94	46%	2.85	3.03	1.03	+	0.97	-	0.94	19%
UROLOGY & NEPHROLOGY / Finland													
1999 - 2005	456	4,881	10.70	8.72	21%	6.33	6.20	1.38	+	1.41	+	1.02	19%
1999 - 2002	266	1,286	4.83	3.68	42%	2.48	2.55	1.48	+	1.44	+	0.98	24%
2000 - 2003	281	1,421	5.06	3.84	37%	2.96	2.98	1.30	+	1.29	+	0.99	24%
2001 - 2004	281	1,329	4.73	3.72	35%	3.02	2.99	1.23	+	1.25	+	1.01	21%
2002 - 2005	255	1,243	4.87	3.91	31%	3.74	3.43	1.05		1.14		1.09	20%



Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations
UROLOGY & NEPHROLOGY / Ireland											
1999 - 2005	205	1,313	6.40	5.46	31%	6.47	5.69	0.84	0.96	1.13	15%
1999 - 2002	105	334	3.18	2.76	46%	2.87	2.59	0.96	1.07	1.10	13%
2000 - 2003	110	299	2.72	2.15	45%	2.95	2.82	0.73	0.76	1.04	21%
2001 - 2004	120	341	2.84	2.22	53%	2.96	2.46	0.75	0.90	1.21	22%
2002 - 2005	137	457	3.34	2.72	43%	4.13	3.39	0.66	0.80	1.22	19%
UROLOGY & NEPHROLOGY / UK											
1999 - 2005	4,640	31,207	6.73	5.75	33%	5.22	5.34	1.10	1.08	0.97	15%
1999 - 2002	2,480	7,853	3.17	2.63	48%	2.37	2.51	1.11	1.05	0.94	17%
2000 - 2003	2,479	8,270	3.34	2.77	47%	2.54	2.64	1.09	1.05	0.96	17%
2001 - 2004	2,577	9,022	3.50	2.89	47%	2.58	2.55	1.12	1.13	1.01	17%
2002 - 2005	2,780	11,099	3.99	3.35	43%	2.89	2.88	1.16	1.16	1.00	16%
UROLOGY & NEPHROLOGY / USA											
1999 - 2005	20,388	190,763	9.36	7.82	26%	7.02	5.93	1.11	1.32	1.19	16%
1999 - 2002	10,892	49,436	4.54	3.64	40%	3.29	2.76	1.11	1.32	1.20	20%
2000 - 2003	11,158	52,980	4.75	3.84	39%	3.47	2.93	1.11	1.31	1.19	19%
2001 - 2004	11,542	54,533	4.72	3.82	39%	3.42	2.84	1.11	1.34	1.21	19%
2002 - 2005	12,182	62,052	5.09	4.17	37%	3.72	3.15	1.12	1.33	1.19	18%
VETERINARY SCIENCES / EU-25											
1999 - 2005	32,175	92,663	2.88	2.05	53%	1.93	2.21	1.06	0.93	0.91	29%
1999 - 2002	17,399	23,684	1.36	0.87	69%	0.83	0.96	1.05	0.91	0.91	36%
2000 - 2003	18,208	26,015	1.43	0.94	68%	0.87	1.02	1.07	0.92	0.90	35%
2001 - 2004	18,345	27,107	1.48	0.98	67%	0.91	1.07	1.07	0.92	0.91	34%
2002 - 2005	19,077	28,895	1.51	1.01	65%	0.96	1.10	1.06	0.92	0.91	33%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations		
VETERINARY SCIENCES / Finland													
1999 - 2005	419	1,857	4.43	3.21	38%	2.92	2.78	1.10	1.15	1.08	28%		
1999 - 2002	241	460	1.91	1.07	60%	1.18	1.19	0.91	0.90	1.06	44%		
2000 - 2003	238	451	1.89	1.28	58%	1.28	1.27	0.99	1.01	1.06	33%		
2001 - 2004	226	559	2.47	1.80	54%	1.46	1.40	1.23	1.29	1.09	27%		
2002 - 2005	247	637	2.58	1.78	52%	1.50	1.40	1.19	1.27	1.10	31%		
VETERINARY SCIENCES / Ireland													
1999 - 2005	526	1,807	3.44	2.66	50%	1.93	2.21	1.37	+	1.20	+	0.89	23%
1999 - 2002	293	406	1.39	0.94	68%	0.75	0.93	1.24		1.01		0.84	32%
2000 - 2003	303	544	1.80	1.22	64%	0.95	1.10	1.28		1.11		0.88	32%
2001 - 2004	303	669	2.21	1.65	64%	1.04	1.19	1.59	+	1.38	+	0.90	25%
2002 - 2005	299	514	1.72	1.28	62%	0.89	1.00	1.43	+	1.28		0.93	26%
VETERINARY SCIENCES / UK													
1999 - 2005	8,510	30,546	3.59	2.69	48%	2.29	1.99	1.18	+	1.35	+	1.17	25%
1999 - 2002	4,725	8,134	1.72	1.19	63%	1.00	0.88	1.19	+	1.35	+	1.16	31%
2000 - 2003	4,777	8,400	1.76	1.23	63%	1.04	0.93	1.18	+	1.32	+	1.15	30%
2001 - 2004	4,764	8,517	1.79	1.25	62%	1.05	0.96	1.19	+	1.30	+	1.12	30%
2002 - 2005	4,902	8,949	1.83	1.29	60%	1.10	0.99	1.17	+	1.30	+	1.13	29%
VETERINARY SCIENCES / USA													
1999 - 2005	22,185	80,607	3.63	2.76	42%	2.58	2.34	1.07	+	1.18	+	1.08	24%
1999 - 2002	12,489	20,994	1.68	1.16	61%	1.06	0.99	1.10	+	1.17	+	1.05	31%
2000 - 2003	12,531	22,193	1.77	1.24	60%	1.16	1.07	1.07	+	1.16	+	1.06	30%
2001 - 2004	12,527	22,288	1.78	1.28	59%	1.20	1.12	1.06	+	1.14	+	1.06	28%
2002 - 2005	12,878	23,740	1.84	1.33	56%	1.27	1.17	1.05	+	1.14	+	1.06	28%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm	CPP/ FCSm	JCSm/ FCSm	% Self- Citations	
VIROLOGY / EU-25												
1999 - 2005	14,121	153,815	10.89	8.40	20%	8.24	8.31	1.02	1.01	0.99	23%	
1999 - 2002	7,965	45,311	5.69	4.20	34%	4.12	4.16	1.02	1.01	0.99	26%	
2000 - 2003	7,856	44,500	5.66	4.21	33%	4.15	4.24	1.01	0.99	0.98	26%	
2001 - 2004	7,849	45,163	5.75	4.29	33%	4.21	4.25	1.02	1.01	0.99	26%	
2002 - 2005	8,034	46,903	5.84	4.38	32%	4.26	4.25	1.03	1.03	1.00	25%	
VIROLOGY / Finland												
1999 - 2005	344	3,415	9.93	6.86	22%	7.21	8.36	0.95	0.82	-	0.87	31%
1999 - 2002	181	946	5.23	3.24	38%	3.71	4.36	0.87	0.74	-	0.86	38%
2000 - 2003	190	905	4.76	3.07	41%	3.40	4.08	0.90	0.75	-	0.85	35%
2001 - 2004	203	1,026	5.05	3.25	34%	3.58	4.15	0.91	0.78	-	0.88	36%
2002 - 2005	205	1,186	5.79	3.90	33%	3.90	4.34	1.00	0.90	-	0.90	33%
VIROLOGY / Ireland												
1999 - 2005	86	1,009	11.73	8.74	22%	8.18	9.09	1.07	0.96	-	0.92	25%
1999 - 2002	49	286	5.84	3.94	33%	3.88	4.18	1.01	0.94	-	0.95	33%
2000 - 2003	49	357	7.29	5.20	27%	4.92	5.82	1.06	0.89	-	0.87	29%
2001 - 2004	39	368	9.44	6.79	31%	5.39	6.30	1.26	1.08	-	0.87	28%
2002 - 2005	49	281	5.73	4.37	37%	3.82	4.30	1.14	1.02	-	0.90	24%
VIROLOGY / UK												
1999 - 2005	3,670	46,213	12.59	9.83	19%	8.88	8.48	1.11	1.16	+	1.04	22%
1999 - 2002	2,094	13,776	6.58	4.94	30%	4.40	4.16	1.12	1.19	+	1.05	25%
2000 - 2003	2,038	13,433	6.59	4.98	29%	4.44	4.31	1.12	1.16	+	1.03	24%
2001 - 2004	2,051	13,834	6.75	5.09	30%	4.50	4.34	1.13	1.17	+	1.04	25%
2002 - 2005	2,094	14,095	6.73	5.09	30%	4.66	4.43	1.09	1.15	+	1.05	24%

Journal Subject Category Period	P	C+sc	CPP +sc	CPP	% Pnc	JCSm	FCSm	CPP/ JCSm		CPP/ FCSm		JCSm/ FCSm	% Self- Citations
VIROLOGY / USA													
1999 - 2005	14,646	192,194	13.12	10.24	18%	9.77	8.81	1.05	+	1.16	+	1.11	22%
1999 - 2002	8,096	55,690	6.88	5.21	29%	5.03	4.43	1.04	+	1.17	+	1.13	24%
2000 - 2003	8,269	57,730	6.98	5.31	28%	5.03	4.57	1.06	+	1.16	+	1.11	24%
2001 - 2004	8,298	58,122	7.00	5.31	29%	4.99	4.50	1.07	+	1.18	+	1.11	24%
2002 - 2005	8,480	59,473	7.01	5.31	29%	4.98	4.55	1.07	+	1.17	+	1.10	24%



## **Appendix IV**

### **Highly cited papers in Journal Subject Categories**

## Overview of numbers of Highly Cited Papers in Journal Subject Categories, 1999-2002

	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
ALLERGY / EU-25	4239	95	210.8	0.5
ALLERGY / Finland	232	14	11.5	1.2
ALLERGY / Ireland	7	1	0.3	2.9
ALLERGY / UK	769	31	38.3	0.8
ALLERGY / USA	2172	89	108.0	0.8
ANATOMY & MORPHOLOGY / EU-25	2394	62	120.5	0.5
ANATOMY & MORPHOLOGY / Finland	33	2	1.7	1.2
ANATOMY & MORPHOLOGY / Ireland	28	0	1.4	0.0
ANATOMY & MORPHOLOGY / UK	433	26	21.8	1.2
ANATOMY & MORPHOLOGY / USA	1462	56	73.7	0.8
ANDROLOGY / EU-25	453	27	23.2	1.2
ANDROLOGY / Finland	20	0	1.0	0.0
ANDROLOGY / Ireland	3	0	0.2	0.0
ANDROLOGY / UK	64	12	3.3	3.7
ANDROLOGY / USA	351	28	18.0	1.6
ANAESTHESIOLOGY / EU-25	7040	286	359.4	0.8
ANAESTHESIOLOGY / Finland	257	11	13.1	0.8
ANAESTHESIOLOGY / Ireland	92	4	4.7	0.8
ANAESTHESIOLOGY / UK	1723	96	88.0	1.1
ANAESTHESIOLOGY / USA	3861	272	197.5	1.4
CARDIAC & CARDIOVASCULAR SYSTEMS / EU-25	19051	1058	954.7	1.1
CARDIAC & CARDIOVASCULAR SYSTEMS / Finland	433	27	21.7	1.2
CARDIAC & CARDIOVASCULAR SYSTEMS / Ireland	93	6	4.7	1.3
CARDIAC & CARDIOVASCULAR SYSTEMS / UK	3853	289	192.9	1.5
CARDIAC & CARDIOVASCULAR SYSTEMS / USA	17941	1473	899.0	1.6
CHEMISTRY, MEDICINAL / EU-25	7354	212	364.7	0.6
CHEMISTRY, MEDICINAL / Finland	76	2	3.8	0.5
CHEMISTRY, MEDICINAL / Ireland	26	2	1.3	1.6
CHEMISTRY, MEDICINAL / UK	1297	76	64.3	1.2
CHEMISTRY, MEDICINAL / USA	6260	372	310.2	1.2

	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
CLINICAL NEUROLOGY / EU-25	26071	1172	1317.8	0.9
CLINICAL NEUROLOGY / Finland	761	56	38.5	1.5
CLINICAL NEUROLOGY / Ireland	178	5	9.0	0.6
CLINICAL NEUROLOGY / UK	5440	422	274.6	1.5
CLINICAL NEUROLOGY / USA	19799	1339	1000.3	1.3
CRITICAL CARE MEDICINE / EU-25	4920	256	243.2	1.1
CRITICAL CARE MEDICINE / Finland	103	3	5.1	0.6
CRITICAL CARE MEDICINE / Ireland	46	0	2.3	0.0
CRITICAL CARE MEDICINE / UK	1203	83	59.5	1.4
CRITICAL CARE MEDICINE / USA	4442	289	218.9	1.3
DENTISTRY, ORAL SURGERY & MEDICINE / EU-25	6680	311	327.8	0.9
DENTISTRY, ORAL SURGERY & MEDICINE / Finland	331	11	16.3	0.7
DENTISTRY, ORAL SURGERY & MEDICINE / Ireland	56	0	2.8	0.0
DENTISTRY, ORAL SURGERY & MEDICINE / UK	2353	78	115.0	0.7
DENTISTRY, ORAL SURGERY & MEDICINE / USA	5698	331	279.5	1.2
DERMATOLOGY / EU-25	8666	381	428.0	0.9
DERMATOLOGY / Finland	223	10	10.9	0.9
DERMATOLOGY / Ireland	55	4	2.7	1.5
DERMATOLOGY / UK	1741	115	85.9	1.3
DERMATOLOGY / USA	5352	356	264.2	1.3
EMERGENCY MEDICINE / EU-25	1921	14	95.9	0.1
EMERGENCY MEDICINE / Finland	14	0	0.7	0.0
EMERGENCY MEDICINE / Ireland	32	0	1.6	0.0
EMERGENCY MEDICINE / UK	906	9	45.3	0.2
EMERGENCY MEDICINE / USA	3055	166	152.4	1.1
ENDOCRINOLOGY & METABOLISM / EU-25	19305	739	969.2	0.8
ENDOCRINOLOGY & METABOLISM / Finland	821	52	41.3	1.3
ENDOCRINOLOGY & METABOLISM / Ireland	109	5	5.5	0.9
ENDOCRINOLOGY & METABOLISM / UK	4305	232	216.0	1.1
ENDOCRINOLOGY & METABOLISM / USA	15588	1052	782.1	1.3



	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
ENGINEERING, BIOMEDICAL / EU-25	6765	234	340.4	0.7
ENGINEERING, BIOMEDICAL / Finland	229	5	11.5	0.4
ENGINEERING, BIOMEDICAL / Ireland	81	3	4.1	0.7
ENGINEERING, BIOMEDICAL / UK	1655	58	83.4	0.7
ENGINEERING, BIOMEDICAL / USA	5399	333	272.5	1.2
GASTROENTEROLOGY & HEPATOLOGY / EU-25	13094	684	643.6	1.1
GASTROENTEROLOGY & HEPATOLOGY / Finland	269	17	13.2	1.3
GASTROENTEROLOGY & HEPATOLOGY / Ireland	171	18	8.4	2.1
GASTROENTEROLOGY & HEPATOLOGY / UK	2340	173	115.1	1.5
GASTROENTEROLOGY & HEPATOLOGY / USA	8393	700	413.0	1.7
GERIATRICS & GERONTOLOGY / EU-25	2964	87	143.6	0.6
GERIATRICS & GERONTOLOGY / Finland	106	2	5.2	0.4
GERIATRICS & GERONTOLOGY / Ireland	57	1	2.8	0.4
GERIATRICS & GERONTOLOGY / UK	788	28	38.1	0.7
GERIATRICS & GERONTOLOGY / USA	3879	260	188.4	1.4
GERONTOLOGY / EU-25	1303	40	64.1	0.6
GERONTOLOGY / Finland	42	0	2.1	0.0
GERONTOLOGY / Ireland	26	1	1.3	0.8
GERONTOLOGY / UK	477	10	23.6	0.4
GERONTOLOGY / USA	3635	210	179.0	1.2
HEALTH CARE SCIENCES & SERVICES / EU-25	3758	117	183.6	0.6
HEALTH CARE SCIENCES & SERVICES / Finland	117	1	5.7	0.2
HEALTH CARE SCIENCES & SERVICES / Ireland	48	0	2.3	0.0
HEALTH CARE SCIENCES & SERVICES / UK	1857	73	90.8	0.8
HEALTH CARE SCIENCES & SERVICES / USA	6576	443	321.8	1.4
HEALTH POLICY & SERVICES / EU-25	1166	43	57.5	0.7
HEALTH POLICY & SERVICES / Finland	41	1	2.0	0.5
HEALTH POLICY & SERVICES / Ireland	15	0	0.7	0.0
HEALTH POLICY & SERVICES / UK	536	23	26.5	0.9
HEALTH POLICY & SERVICES / USA	5235	329	258.5	1.3

	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
HAEMATOLOGY / EU-25	16980	1068	848.0	1.3
HAEMATOLOGY / Finland	377	28	18.9	1.5
HAEMATOLOGY / Ireland	123	5	6.1	0.8
HAEMATOLOGY / UK	3536	264	176.5	1.5
HAEMATOLOGY / USA	13749	1352	686.9	2.0
IMMUNOLOGY / EU-25	29086	1213	1452.8	0.8
IMMUNOLOGY / Finland	768	35	38.3	0.9
IMMUNOLOGY / Ireland	242	17	12.1	1.4
IMMUNOLOGY / UK	6672	368	333.1	1.1
IMMUNOLOGY / USA	28881	1966	1442.3	1.4
INFECTIOUS DISEASES / EU-25	11999	489	600.4	0.8
INFECTIOUS DISEASES / Finland	317	16	15.8	1.0
INFECTIOUS DISEASES / Ireland	131	5	6.6	0.8
INFECTIOUS DISEASES / UK	3406	185	170.5	1.1
INFECTIOUS DISEASES / USA	11879	659	593.7	1.1
INTEGRATIVE & COMPLEMENTARY MEDICINE / EU-25	579	15	29.6	0.5
INTEGRATIVE & COMPLEMENTARY MEDICINE / Finland	9	0	0.5	0.0
INTEGRATIVE & COMPLEMENTARY MEDICINE / UK	149	6	7.5	0.8
INTEGRATIVE & COMPLEMENTARY MEDICINE / USA	539	29	27.4	1.1
MATERIALS SCIENCE, BIOMATERIALS / EU-25	2351	108	117.3	0.9
MATERIALS SCIENCE, BIOMATERIALS / Finland	96	2	4.8	0.4
MATERIALS SCIENCE, BIOMATERIALS / Ireland	32	3	1.6	1.9
MATERIALS SCIENCE, BIOMATERIALS / UK	559	26	27.9	0.9
MATERIALS SCIENCE, BIOMATERIALS / USA	1545	174	77.0	2.3
MEDICAL INFORMATICS / EU-25	2201	48	108.1	0.4
MEDICAL INFORMATICS / Finland	81	0	4.0	0.0
MEDICAL INFORMATICS / Ireland	23	0	1.1	0.0
MEDICAL INFORMATICS / UK	632	27	31.0	0.9
MEDICAL INFORMATICS / USA	2183	121	108.0	1.1

	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
MEDICAL LABORATORY TECHNOLOGY / EU-25	3285	169	161.8	1.0
MEDICAL LABORATORY TECHNOLOGY / Finland	101	8	5.0	1.6
MEDICAL LABORATORY TECHNOLOGY / Ireland	49	3	2.4	1.2
MEDICAL LABORATORY TECHNOLOGY / UK	615	23	30.3	0.8
MEDICAL LABORATORY TECHNOLOGY / USA	3421	140	169.1	0.8
MEDICINE, GENERAL & INTERNAL / EU-25	22339	1152	1120.0	1.0
MEDICINE, GENERAL & INTERNAL / Finland	432	69	21.6	3.2
MEDICINE, GENERAL & INTERNAL / Ireland	382	22	19.2	1.1
MEDICINE, GENERAL & INTERNAL / UK	8525	573	427.2	1.3
MEDICINE, GENERAL & INTERNAL / USA	16796	1671	841.0	2.0
MEDICINE, RESEARCH & EXPERIMENTAL / EU-25	12801	618	637.4	1.0
MEDICINE, RESEARCH & EXPERIMENTAL / Finland	327	17	16.3	1.0
MEDICINE, RESEARCH & EXPERIMENTAL / Ireland	105	6	5.3	1.1
MEDICINE, RESEARCH & EXPERIMENTAL / UK	2569	180	127.9	1.4
MEDICINE, RESEARCH & EXPERIMENTAL / USA	14408	1276	716.7	1.8
NEUROIMAGING / EU-25	2497	136	124.2	1.1
NEUROIMAGING / Finland	77	7	3.8	1.8
NEUROIMAGING / Ireland	2	0	0.1	0.0
NEUROIMAGING / UK	407	60	20.2	3.0
NEUROIMAGING / USA	1799	132	89.6	1.5
NEUROSCIENCES / EU-25	38437	1726	1932.7	0.9
NEUROSCIENCES / Finland	1042	36	52.3	0.7
NEUROSCIENCES / Ireland	268	8	13.5	0.6
NEUROSCIENCES / UK	8650	691	435.1	1.6
NEUROSCIENCES / USA	38367	3033	1928.1	1.6
NURSING / EU-25	1846	83	87.4	0.9
NURSING / Finland	137	3	6.6	0.5
NURSING / Ireland	27	0	1.3	0.0
NURSING / UK	1283	60	60.7	1.0
NURSING / USA	4330	152	208.1	0.7

	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
OBSTETRICS & GYNAECOLOGY / EU-25	11578	471	578.7	0.8
OBSTETRICS & GYNAECOLOGY / Finland	544	29	27.1	1.1
OBSTETRICS & GYNAECOLOGY / Ireland	100	8	5.0	1.6
OBSTETRICS & GYNAECOLOGY / UK	3067	160	153.6	1.0
OBSTETRICS & GYNAECOLOGY / USA	9147	496	457.0	1.1
ONCOLOGY / EU-25	29536	1069	1481.9	0.7
ONCOLOGY / Finland	941	74	47.2	1.6
ONCOLOGY / Ireland	174	3	8.7	0.3
ONCOLOGY / UK	5696	330	285.6	1.2
ONCOLOGY / USA	27800	2115	1395.2	1.5
OPHTHALMOLOGY / EU-25	7871	286	393.7	0.7
OPHTHALMOLOGY / Finland	182	13	9.1	1.4
OPHTHALMOLOGY / Ireland	70	4	3.5	1.1
OPHTHALMOLOGY / UK	2074	89	103.7	0.9
OPHTHALMOLOGY / USA	8660	618	432.7	1.4
ORTHOPAEDICS / EU-25	6809	220	337.8	0.7
ORTHOPAEDICS / Finland	234	14	11.7	1.2
ORTHOPAEDICS / Ireland	80	1	4.0	0.3
ORTHOPAEDICS / UK	1771	57	87.8	0.6
ORTHOPAEDICS / USA	8127	440	403.3	1.1
OTORHINOLARYNGOLOGY / EU-25	5860	115	280.1	0.4
OTORHINOLARYNGOLOGY / Finland	264	4	12.8	0.3
OTORHINOLARYNGOLOGY / Ireland	69	0	3.3	0.0
OTORHINOLARYNGOLOGY / UK	1459	33	69.6	0.5
OTORHINOLARYNGOLOGY / USA	5596	224	268.9	0.8
PARASITOLOGY / EU-25	4050	181	198.4	0.9
PARASITOLOGY / Finland	43	0	2.1	0.0
PARASITOLOGY / Ireland	67	3	3.3	0.9
PARASITOLOGY / UK	1435	93	70.0	1.3
PARASITOLOGY / USA	2235	135	109.8	1.2

	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
PATHOLOGY / EU-25	10355	420	519.2	0.8
PATHOLOGY / Finland	363	40	18.2	2.2
PATHOLOGY / Ireland	92	4	4.6	0.9
PATHOLOGY / UK	2499	124	125.1	1.0
PATHOLOGY / USA	8811	584	441.2	1.3
PAEDIATRICS / EU-25	12931	344	644.1	0.5
PAEDIATRICS / Finland	510	24	25.4	0.9
PAEDIATRICS / Ireland	146	1	7.3	0.1
PAEDIATRICS / UK	3305	133	164.7	0.8
PAEDIATRICS / USA	14099	857	702.9	1.2
PERIPHERAL VASCULAR DISEASE / EU-25	13652	935	684.2	1.4
PERIPHERAL VASCULAR DISEASE / Finland	473	42	23.7	1.8
PERIPHERAL VASCULAR DISEASE / Ireland	141	4	7.1	0.6
PERIPHERAL VASCULAR DISEASE / UK	2687	237	134.6	1.8
PERIPHERAL VASCULAR DISEASE / USA	12573	1257	629.9	2.0
PHARMACOLOGY & PHARMACY / EU-25	34686	1472	1723.8	0.9
PHARMACOLOGY & PHARMACY / Finland	813	35	40.3	0.9
PHARMACOLOGY & PHARMACY / Ireland	306	14	15.2	0.9
PHARMACOLOGY & PHARMACY / UK	7673	504	381.4	1.3
PHARMACOLOGY & PHARMACY / USA	28774	1797	1431.5	1.3
PHYSIOLOGY / EU-25	12709	422	639.9	0.7
PHYSIOLOGY / Finland	349	17	17.5	1.0
PHYSIOLOGY / Ireland	111	3	5.6	0.5
PHYSIOLOGY / UK	2855	147	143.6	1.0
PHYSIOLOGY / USA	16267	870	818.1	1.1
PSYCHIATRY / EU-25	15303	572	764.5	0.7
PSYCHIATRY / Finland	544	21	27.2	0.8
PSYCHIATRY / Ireland	211	6	10.5	0.6
PSYCHIATRY / UK	4725	263	235.6	1.1
PSYCHIATRY / USA	15847	1251	790.8	1.6

	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH / EU-25	14199	529	702.5	0.8
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH / Finland	778	40	38.5	1.0
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH / Ireland	135	4	6.7	0.6
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH / UK	5424	239	268.0	0.9
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH / USA	19214	1229	953.2	1.3
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING / EU-25	19387	828	969.1	0.9
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING / Finland	398	13	19.9	0.7
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING / Ireland	163	7	8.2	0.9
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING / UK	3809	195	190.4	1.0
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING / USA	16663	1073	832.0	1.3
REHABILITATION / EU-25	2941	112	143.2	0.8
REHABILITATION / Finland	105	5	5.1	1.0
REHABILITATION / Ireland	68	3	3.3	0.9
REHABILITATION / UK	1320	58	64.4	0.9
REHABILITATION / USA	6535	265	316.6	0.8
RESPIRATORY SYSTEM / EU-25	9937	461	495.7	0.9
RESPIRATORY SYSTEM / Finland	253	9	12.6	0.7
RESPIRATORY SYSTEM / Ireland	87	2	4.4	0.5
RESPIRATORY SYSTEM / UK	2607	190	130.0	1.5
RESPIRATORY SYSTEM / USA	9154	530	456.5	1.2
RHEUMATOLOGY / EU-25	5223	273	262.4	1.0
RHEUMATOLOGY / Finland	272	14	13.7	1.0
RHEUMATOLOGY / Ireland	54	13	2.7	4.8
RHEUMATOLOGY / UK	1288	96	64.7	1.5
RHEUMATOLOGY / USA	2721	216	136.4	1.6
SOCIAL WORK / EU-25	687	19	35.8	0.5
SOCIAL WORK / Finland	19	1	1.0	1.0
SOCIAL WORK / Ireland	16	1	0.8	1.2
SOCIAL WORK / UK	537	17	27.9	0.6
SOCIAL WORK / USA	2556	83	135.0	0.6

	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
SPORT SCIENCES / EU-25	5754	171	289.1	0.6
SPORT SCIENCES / Finland	280	21	14.2	1.5
SPORT SCIENCES / Ireland	67	2	3.4	0.6
SPORT SCIENCES / UK	1661	40	83.2	0.5
SPORT SCIENCES / USA	8593	430	431.2	1.0
SUBSTANCE ABUSE / EU-25	1540	59	77.5	0.8
SUBSTANCE ABUSE / Finland	153	8	7.8	1.0
SUBSTANCE ABUSE / Ireland	16	0	0.8	0.0
SUBSTANCE ABUSE / UK	534	12	26.7	0.5
SUBSTANCE ABUSE / USA	4050	204	204.0	1.0
SURGERY / EU-25	32335	1062	1602.9	0.7
SURGERY / Finland	731	32	36.2	0.9
SURGERY / Ireland	331	7	16.4	0.4
SURGERY / UK	7526	291	373.0	0.8
SURGERY / USA	30716	1821	1519.8	1.2
TOXICOLOGY / EU-25	9166	400	459.5	0.9
TOXICOLOGY / Finland	346	10	17.3	0.6
TOXICOLOGY / Ireland	61	4	3.1	1.3
TOXICOLOGY / UK	2045	145	102.5	1.4
TOXICOLOGY / USA	10590	545	530.7	1.0
TRANSPLANTATION / EU-25	7066	200	353.6	0.6
TRANSPLANTATION / Finland	136	5	6.8	0.7
TRANSPLANTATION / Ireland	30	2	1.5	1.3
TRANSPLANTATION / UK	1216	57	60.8	0.9
TRANSPLANTATION / USA	5324	243	266.1	0.9
TROPICAL MEDICINE / EU-25	1854	64	91.3	0.7
TROPICAL MEDICINE / Finland	5	0	0.2	0.0
TROPICAL MEDICINE / Ireland	11	0	0.5	0.0
TROPICAL MEDICINE / UK	793	43	38.9	1.1
TROPICAL MEDICINE / USA	937	53	46.6	1.1

	P 99-02	Ptop 5%	E(Ptop 5%)	A/E(Ptop 5%)
UROLOGY & NEPHROLOGY / EU-25	12403	530	619.4	0.9
UROLOGY & NEPHROLOGY / Finland	262	20	13.0	1.5
UROLOGY & NEPHROLOGY / Ireland	100	5	5.0	1.0
UROLOGY & NEPHROLOGY / UK	2159	111	108.0	1.0
UROLOGY & NEPHROLOGY / USA	10388	816	518.8	1.6
VETERINARY SCIENCES / EU-25	16052	625	804.1	0.8
VETERINARY SCIENCES / Finland	241	13	11.9	1.1
VETERINARY SCIENCES / Ireland	278	19	14.0	1.4
VETERINARY SCIENCES / UK	3541	280	177.3	1.6
VETERINARY SCIENCES / USA	12188	700	608.7	1.1
VIROLOGY / EU-25	7499	357	372.7	1.0
VIROLOGY / Finland	179	3	8.9	0.3
VIROLOGY / Ireland	48	2	2.4	0.8
VIROLOGY / UK	2004	123	99.7	1.2
VIROLOGY / USA	7943	523	394.7	1.3





## **Appendix V**

**Coverage of the citation indexes of the health research field:  
an analysis for the Journal Subject Categories**

In this Appendix, we present the results of the analysis of the coverage of the citation indexes, in this case for the health research field, for the Journal Subject Categories. In this analysis we focus on the share of references given by researchers publishing in the journals underlying the Journal Subject Categories towards other papers indexed in the citation indexes. The central idea is that through the given references, the researchers express the relevance of the journal literature for their own research, and by a large quantification, for the field as a whole.

In the Table below we show the share of references given in the period 1999-2005 towards publications covered in the citation indexes between 1981 and 2005. For fourteen Journal Subject Categories we observe a coverage percentage lower than 70 per cent, while only for two Journal Subject Categories we observe a coverage percentage lower than 50 per cent. So for the main group of Journal Subject Categories, the coverage is adequate, for a small set it is less adequate, while for two Journal Subject Categories (nursing and social work), the coverage is low. These two Journal Subject Categories are part of the sub-field Health Sciences, while some other Journal Subject Categories with somewhat lower coverage share are also part of this sub-field. This implies that the overall coverage of Health Sciences is less adequate than that of the other three sub-fields.

	% citations to citation indexed Literature
ALLERGY	82.67
ANATOMY & MORPHOLOGY	73.46
ANDROLOGY	82.60
ANAESTHESIOLOGY	81.66
CARDIAC & CARDIOVASCULAR SYSTEMS	86.82
CHEMISTRY, MEDICINAL	80.54
CLINICAL NEUROLOGY	77.53
CRITICAL CARE MEDICINE	82.57
DENTISTRY, ORAL SURGERY & MEDICINE	65.97
DERMATOLOGY	78.90
EMERGENCY MEDICINE	72.33
ENDOCRINOLOGY & METABOLISM	87.18
ENGINEERING, BIOMEDICAL	69.67
GASTROENTEROLOGY & HEPATOLOGY	86.76
GERIATRICS & GERONTOLOGY	79.36
GERONTOLOGY	61.33
HEALTH CARE SCIENCES & SERVICES	54.12
HEALTH POLICY & SERVICES	50.60
HAEMATOLOGY	89.16
IMMUNOLOGY	91.01
INFECTIOUS DISEASES	82.18
INTEGRATIVE & COMPLEMENTARY MEDICINE	54.49
MATERIALS SCIENCE, BIOMATERIALS	74.73
MEDICAL INFORMATICS	56.90
MEDICAL LABORATORY TECHNOLOGY	82.89
MEDICINE, GENERAL & INTERNAL	77.03
MEDICINE, RESEARCH & EXPERIMENTAL	87.02
NEUROIMAGING	80.42
NEUROSCIENCES	84.61
NURSING	44.52
OBSTETRICS & GYNAECOLOGY	80.25
ONCOLOGY	87.91
OPHTHALMOLOGY	77.97
ORTHOPAEDICS	69.95
OTORHINOLARYNGOLOGY	70.13
PARASITOLOGY	71.78
PATHOLOGY	85.68
PAEDIATRICS	75.53
PERIPHERAL VASCULAR DISEASE	87.67
PHARMACOLOGY & PHARMACY	82.71
PHYSIOLOGY	83.87
PSYCHIATRY	70.43
PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH	62.80
RADIOLOGY, NUCLEAR MEDICINE & MEDICAL IMAGING	78.82
REHABILITATION	51.69
RESPIRATORY SYSTEM	83.69
RHEUMATOLOGY	84.89
SOCIAL WORK	38.45
SPORT SCIENCES	67.44
SUBSTANCE ABUSE	67.66
SURGERY	77.43
TOXICOLOGY	75.15
TRANSPLANTATION	86.54
TROPICAL MEDICINE	70.26
UROLOGY & NEPHROLOGY	84.07
VETERINARY SCIENCES	64.98
VIROLOGY	89.29

## Graphical display of the coverage per Journal Subject Category

