

# Scholarly Journal Prices: Selected Trends and Comparisons

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## Preface

Scholarly discourse and communication of ideas, knowledge and methods are central to the advancement of mankind's state of being and its depth of understanding. The academic journal has long been the lifeblood of such scholarly communication. From seventeenth century beginnings with the *Journal des Scavans* and the *Philosophical Transactions of the Royal Society* the academic journal has developed and indeed proliferated.

The academic journal has fulfilled several important roles including being the document of record that establishes priority, a vehicle for open dissemination of information throughout lay and expert communities, and as the mechanism through which the reliability of research and its conclusions are subjected to expert scrutiny.

Technology has expanded the options for distributing material and electronic journals are now a firmly established part of the academic landscape. At the last count, some 164,000 journal titles in some form or another could be identified; such is the volume of new knowledge to be distributed and the appetite for acquiring it. The institutions that subscribe to these titles (and most spending is by institutions) face challenges of affording a just a fraction of the output. At the same time, subscription prices trend upwards so near-static budgets buy fewer titles. In this situation, academic librarians face a perennial dilemma of prioritising titles to continue purchasing.

This state of affairs has not gone unnoticed by those that use journals as well as those who (ultimately) fund their acquisition. Members of the scholarly community at large are exploring 'alternative' dissemination initiatives of varying character and composition, such as open archiving. The UK Government's Science and Technology Committee reviewed the state of scientific publishing and recently issued its report<sup>1</sup>. In the USA, the House of Representatives' Committee on appropriations issued new guidelines in July providing for open access to research funded by the National Institutes of Health<sup>2</sup>. Journal publishers are also active as they seek to clarify business models in a changing scenario.

This study of trends in journal pricing, which was commissioned by Oxford University Press, appears, therefore, at an opportune time and should help inform discussion. It offers an objective analysis of various features of journal pricing based on the best information available.

J Eric Davies  
Director, LISU  
Loughborough 2004

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<sup>1</sup> [www.publications.parliament.uk/pa/cm200304/cmselect/cmsctech/399/39902.htm](http://www.publications.parliament.uk/pa/cm200304/cmselect/cmsctech/399/39902.htm) [16/9/04]

<sup>2</sup> [www.earlham.edu/~peters/fos/nihfaq.htm](http://www.earlham.edu/~peters/fos/nihfaq.htm) [16/9/04]

## Executive summary

The report documents work undertaken by LISU that was commissioned by the Oxford University Press (OUP) in 2003 to undertake an analysis of trends in journal pricing and related issues amongst a selection of scholarly publishers.

The output of twelve scholarly publishers, including OUP, was studied. A combination of methods was employed to assemble the various data used for the analyses. Price data between 2000 and 2004 were purchased electronically from Swets Blackwell. Other data were gathered manually from a variety of independent sources. Titles were included in the analysis only where they had remained with the same publisher throughout the period being considered. Those which ceased publication during this time, or which were newly introduced, were excluded.

Detailed analyses of prices in relation to number of pages and impact factors were undertaken for biomedical titles. As none of the appropriate information was available in a suitable electronic format, it was gathered manually from a variety of sources. For some publishers, there was insufficient data for a complete analysis; in particular, data on number of pages published in 1993 was not readily available. In addition, a correlation analysis was carried out for each publisher between price, impact factor and number of pages, to examine any inherent relationships between these features.

The following important points emerge from the work.

- Median overall journal prices vary widely between the publishers studied and range from £124 (Cambridge University Press) to £781 (Elsevier) in 2004.
- The range of price increases over the period 2000 to 2004 also varied considerably, from 27% (Cambridge University Press) to 94% (Sage).
- Median values for prices of Humanities and Social Sciences titles tend, on the whole, to be lower than those in other subject categories. It is notable that Elsevier has the highest median price in every subject area.
- Median biomedical journal prices range from £186 (Johns Hopkins University Press) to £731 (Elsevier) in 2004. Biomedical journal price increases over the period 2000 to 2004 ranged from 27% (Johns Hopkins University Press) to 92% (Sage).
- Increases in median prices of biomedical journals over the period 1993 to 2004 ranged from 80% (Taylor & Francis) to 352% (Sage).
- OUP displayed the lowest median price per page of biomedical titles from 2001 to 2004, with only Cambridge University Press lower in 2000. In 2004 the median price per page for OUP was 31 pence; in the same year the highest median price per page was 98 pence (Taylor & Francis).
- At 25%, Springer displayed the lowest increase in median price per page of biomedical journals from 2000 to 2004. This compares with the highest increase of 69% for the same period (Taylor & Francis).

- The range of biomedical journal impact factor values is quite wide both within and between publishers. Within publishers, the greatest range in 2002 (the latest year for which data were available) was from 0.333 to 32.890 (Lippincott Williams & Wilkins).
- Mean impact factor values of biomedical journals ranged from 1.47 (Kluwer and Springer) to 4.84 (Nature) in 2002.
- Overall, there is little evidence of a relationship between impact factor and price of biomedical journals. Examination of the data reveals that the few correlations which exist appear to be very weak and all indicate that higher prices tend to be associated with higher impact factors.
- With one exception, there has been an overall increase of between 22% (Kluwer) and 77% (Lippincott Williams & Wilkins) in mean impact factor values of biomedical journals over the period 1992 to 2002. The exception is Taylor & Francis, which recorded a fall of 4.1%.
- On the basis of price per point of impact factor of biomedical journals, OUP displayed the lowest median with a cost of £156 compared with the highest, Kluwer, at £525 for the most recent year.
- The increase in price per point of impact factor of biomedical journals for the period 1993 to 2003 ranged from 40% (Springer) to 183% (Taylor & Francis).
- No evidence was found to suggest that different rates of price increases had prevailed in the 1990s compared with those experienced after 2000.
- There is some evidence of the application of ‘blanket’ price increases by some publishers across the range of titles and subjects.

## 1. Introduction

Data on journal pricing could be viewed as commercially sensitive, although such figures must be made available so that purchasers can make informed decisions about their spending. The series of analyses of trends in journal subscriptions carried out on behalf of the Publishers' Association and based on a survey of their members were discontinued after 1998 (Watkinson 1999). Broad figures on price trends are available annually (see below), but a more in-depth analysis was required by the Oxford University Press (OUP) which has an interest in the relative pricing/value parameters of its main competitors. It sought reliable metrics, independently collated and analysed, on which to base marketing and promotion decisions. As a result, in 2003 LISU was commissioned to undertake a detailed analysis of trends in journal pricing and related issues amongst a selection of scholarly publishers.

The work undertaken by LISU should be viewed against a background of increasing concern from librarians and others in the client community regarding the affordability of journals, and the general trend in subscription price increases when related to limited institutional budgets. As a reaction, some radical suggestions are emerging regarding the future of scholarly communication including novel open archiving models (Davies & Greenwood, 2004; Prosser, 2003; Toledano, 2003). There is a clear need for reliable evidence regarding journal economics, including price trends, if the journal publishing industry is to contribute with authority to the ongoing discussion.

The following publishers were specified by the OUP to be included in the analysis:

- Blackwell Science and Blackwell Publishers
- Cambridge University Press
- Elsevier
- Johns Hopkins University Press
- Kluwer
- Lippincott Williams & Wilkins
- Nature (specialist journals)
- Oxford University Press
- Springer
- Sage
- Taylor & Francis
- University of Chicago Press

A note on the publishers involved, giving details of takeovers and mergers during the period under discussion, is included as Appendix A.

The titles included were initially all those that had been with the same publisher from 2000 to 2004. Titles that had moved from another publisher or ceased publication during that time frame and new launches were omitted. The estimated total number of titles produced by this group of publishers is approximately 6,000; it was therefore decided to concentrate a series of more detailed analyses on just those titles in the biomedical field. Details of the subject categories and journal titles included are given in Appendices B and C.

National data on increases in serials prices have undergone a number of changes in recent years, which are described in the LISU *Annual Library Statistics 2003* (Creaser et al, 2003). Data are published annually in the CILIP journal *Update* (CILIP, 2003); figures in respect of 2004 prices

had not been published at the time of writing. In order to set the current analysis in the wider context, the following table on prices and price increases may be helpful:

**Table 1.1 Periodical prices 1999-2003**

	1999		2000		2001		2002		2003	
	£	Inc. on 98	£	Inc. on 99	£	Inc. on 00	£	Inc. on 01	£	Inc. on 02
Social sciences	220.39	5%	244.46	11%	266.96	9%	324.09	21%	420.84	30%
Science	556.91	17%	612.48	10%	614.55	0%	644.45	5%	629.98	-2%
Medicine	305.81	15%	334.40	9%	349.55	5%	376.59	8%	367.49	-2%
Technology	298.70	14%	330.43	11%	357.03	8%	385.45	8%	442.48	15%
Humanities	58.99	12%	59.71	1%	64.74	8%	70.83	9%	66.23	-6%
Great Britain average	281.24	12%	309.59	10%	322.74	4%	356.96	11%	397.13	11%

Source: LISU Annual Library Statistics 2003, based on data from Swets Blackwell

## Methodology

Price data between 2000 and 2004 were purchased electronically from Swets Blackwell, for all journals published by the selected publishers in each year. Subject category information was also included. Journals which had not been with the same publisher continuously throughout the period were removed from the data set, and summary analyses for overall average prices and average prices by broad subject area were carried out. The total number of titles available for analysis was 5,946. Printed catalogues were used to cross-check any unusual data which came to light in the course of the analysis (Swets Blackwell 2000, 2001, 2002, 2003).

Additional information was then sought for biomedical titles; none of this was available in a suitable electronic format, and had to be gathered manually from a variety of sources:

**Impact factor** was obtained from printed copies of the ISI Science *Journal Citation Reports* (ISI, 1992, 1999, 2000, 2001, 2002). Inclusion of these data resulted in a considerable reduction in the number of titles available for analysis – for example, for OUP, of 91 biomedical titles available for 2000–2004, only 63 had impact factors available. Impact factor is only available retrospectively; to maintain as long a trend as possible in the analysis, price was related to the impact factor in the previous year. Note that data on impact factor for 2003 were not available at the time of collecting this information (April 2004). Another effect of analysing only those journals for which impact factors were available was to restrict the analysis to scholarly journals, omitting those of general interest which were included in the initial broad analysis.

**Number of pages** was obtained from one of two electronic databases available at Loughborough University: *Blackwell Synergy* (Blackwell Publishing) and *Swetswise* (Swets Information Services). *Blackwell Synergy* was the preferred source, as this gave the exact number of pages in each journal volume, however, many of the required journals were not listed. *Swetswise* data were virtually complete, but an estimate of the total pages in any year had to be made from the tables of contents. Again, number of pages is only available retrospectively, and was analysed in relation to price for the subsequent year. Data on page numbers were only collected for those journals which also had impact factors. Following the collection of page number data, impact

factor values for a small number of titles were deleted as being potentially inaccurate; the page number data for these titles were included, however.

**Price for 1993** was obtained from Swets Blackwell's published catalogue (1993). The UK domestic price was taken where differential pricing operated. Where necessary, prices were converted to sterling using 1993 exchange rates.

The inclusion of 1993 data resulted in a considerable reduction in the number of titles available for analysis (e.g. for the OUP, 91 biomedical titles for 2000–2004 was reduced to just 23 when 1993 price data were included). Some titles had not been published in 1993, others had no impact factor information for 1992. Key analyses on impact factor were therefore carried out on two bases, with and without 1993 titles. It proved impossible to source sufficient reliable data on the numbers of pages published in 1992.

At each stage of the analysis of biomedical titles, as much data as possible was included. For example, a journal which had an impact factor in every year, but for which page number data could not be found, would still be included in the analysis of price in relation to impact factor. If at any stage the number of titles which could be included for any publisher fell below ten, no analysis has been presented here.

There was a wide range of prices both within as well as between publishers. The distribution was such that, whilst the majority of titles were evenly spread across a relatively narrow price range, there were a small number of exceptional, expensive titles for almost all publishers. It was felt that the inclusion of these titles in calculating the mean price for each publisher would unduly distort the results. For this reason, the measure of average price presented throughout this report is the median – that value where half the titles cost less and half cost more. This gives a fairer comparison between publishers, reducing the influence of small numbers of exceptionally priced titles, presenting a more comparable and stable picture of the trends.

The analyses carried out, and reported in detail below, were

- Overall trends in journal prices by publisher, 2000–2004
- Trends in journal prices by broad subject area by publisher, 2000–2004
- Trends in journal prices of biomedical titles by publisher, 1993–2004
- Trends in price per point of impact factor for biomedical titles by publisher, 2000–2003 and 1993–2003
- Trends in price per page for biomedical titles by publisher, 2000–2004

In addition, a correlation analysis was carried out for each publisher between price, impact factor and number of pages, to examine any inherent relationships between these features.

Section 2 of this report presents a summary of the findings and comparison of publishers; Section 3 gives detailed figures and graphs by publisher. The appendix gives technical notes and statistical definitions.

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## 2. Results

### Overall price analysis, 2000–2004

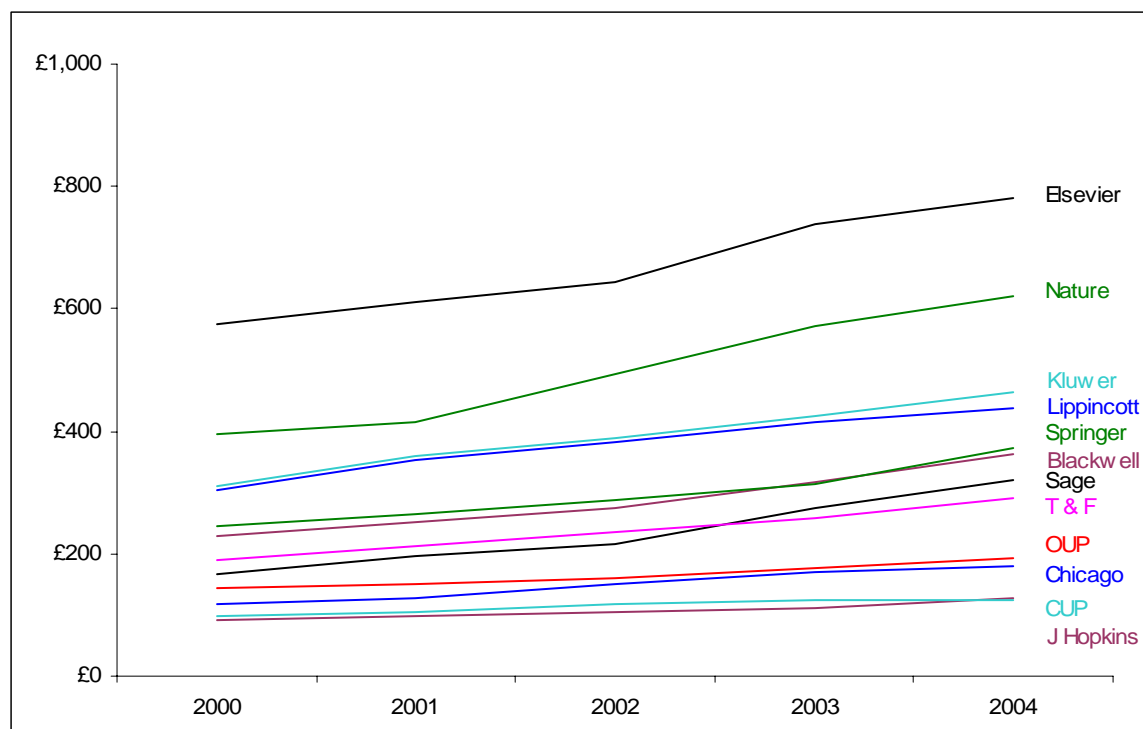
Median overall journal prices vary widely between the publishers included here, from £124 for Cambridge University Press to £781 for Elsevier, in 2004. The range of price increases over the period also varied considerably, from 27% at Cambridge University Press to 94% at Sage. The trends are detailed in Table 2.1 and illustrated in Fig 2.1.

**Table 2.1 Median journal prices – all subjects, 2000-04**

£

	2000	2001	2002	2003	2004	% change 00-04	No incl.
Sage	166	197	217	276	322	93.5%	296
Blackwell	227	251	275	318	362	59.1%	988
Nature	395	415	492	572	622	57.3%	52
Taylor & Francis	189	213	234	258	291	54.0%	809
Springer	245	265	289	314	372	52.3%	447
U. of Chicago	119	127	149	170	179	50.4%	44
Kluwer	312	361	390	424	464	48.8%	1,073
Lippincott	305	352	383	414	437	43.3%	235
Johns Hopkins UP	91	97	105	112	127	39.5%	168
Elsevier	575	612	643	739	781	36.0%	1,439
OUP	143	150	160	176	194	35.8%	252
Cambridge UP	98	106	118	125	124	26.5%	143

**Fig 2.1 Median journal prices – all subjects**



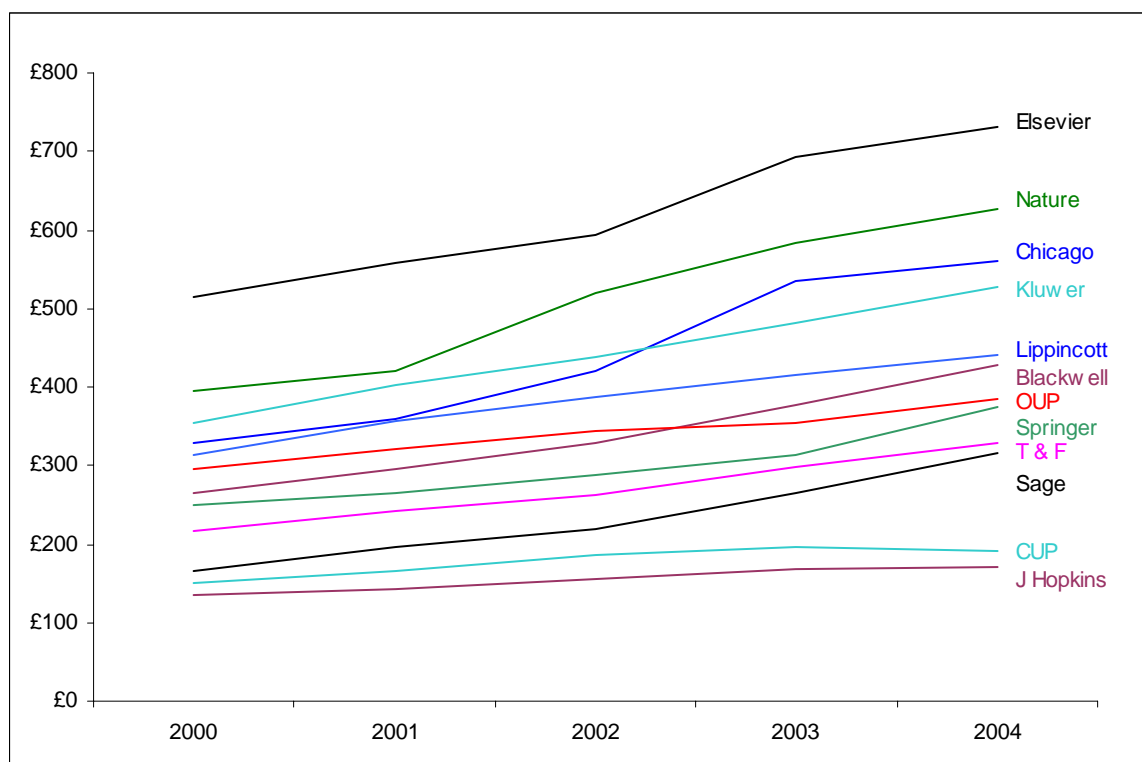
Part of the variation in overall price is due to the differences in subject coverage of the various publishers. Titles were allocated into six broad categories, and price comparisons made for each. Trends by subject are shown in Figs 2.2 to 2.7 and Tables 2.2 to 2.7; it is notable that Elsevier has the highest median price in every subject area, while Cambridge University Press and Johns Hopkins University Press are in the bottom three for all subjects which they publish.

**Table 2.2 Median journal prices – biomedical, 2000-04**

£

	2000	2001	2002	2003	2004	% change 00-04	No incl.
Sage	165	196	220	266	317	91.8%	74
U. of Chicago	329	358	421	536	561	70.5%	6
Blackwell	264	296	328	378	429	62.3%	569
Nature	395	420	519	583	627	58.7%	49
Taylor & Francis	216	241	262	299	329	52.3%	204
Springer	249	264	289	314	375	50.6%	230
Kluwer	353	404	439	481	527	49.3%	324
Elsevier	514	558	594	694	731	42.2%	589
Lippincott	313	356	387	417	440	40.8%	222
OUP	295	320	345	355	384	30.2%	91
Cambridge UP	150	166	185	196	191	27.8%	30
Johns Hopkins UP	135	143	155	167	171	26.9%	7

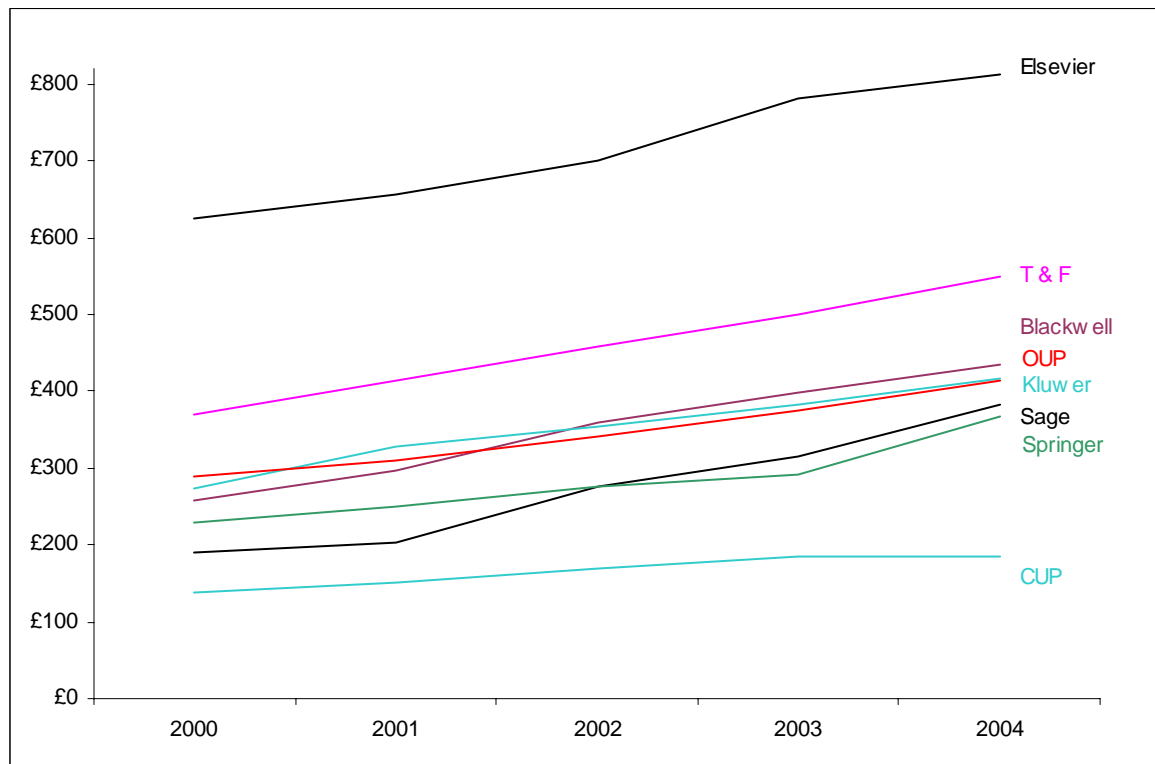
**Fig 2.2 Median journal prices – biomedical**



**Table 2.3 Median journal prices – computing, 2000-04**

£

	2000	2001	2002	2003	2004	% change 00-04	No incl.
Sage	190	202	275	316	382	101.3%	4
Blackwell	259	298	358	397	435	68.0%	5
Springer	229	249	275	292	368	60.3%	31
Kluwer	274	328	354	382	417	52.4%	107
Taylor & Francis	370	415	458	500	548	48.1%	13
OUP	290	310	340	375	413	42.4%	7
Cambridge UP	138	150	169	184	186	34.8%	5
Elsevier	624	657	699	782	813	30.2%	93

**Fig 2.3 Median journal prices – computing**

**Table 2.4 Median journal prices – humanities, 2000-04**

£

	2000	2001	2002	2003	2004	% change 00-04	No incl.
Sage	139	161	165	221	260	87.1%	26
Blackwell	100	117	141	154	181	81.0%	95
Taylor & Francis	120	131	145	169	195	62.1%	98
U. of Chicago	110	112	131	152	171	56.2%	15
Kluwer	215	241	263	285	306	42.6%	94
Johns Hopkins UP	90	96	104	109	123	36.8%	118
Elsevier	254	276	294	328	346	36.2%	28
Springer	103	110	124	134	138	34.0%	5
OUP	83	89	96	104	110	32.5%	41
Cambridge UP	72	76	84	92	91	26.4%	53

**Fig 2.4 Median journal prices – humanities**

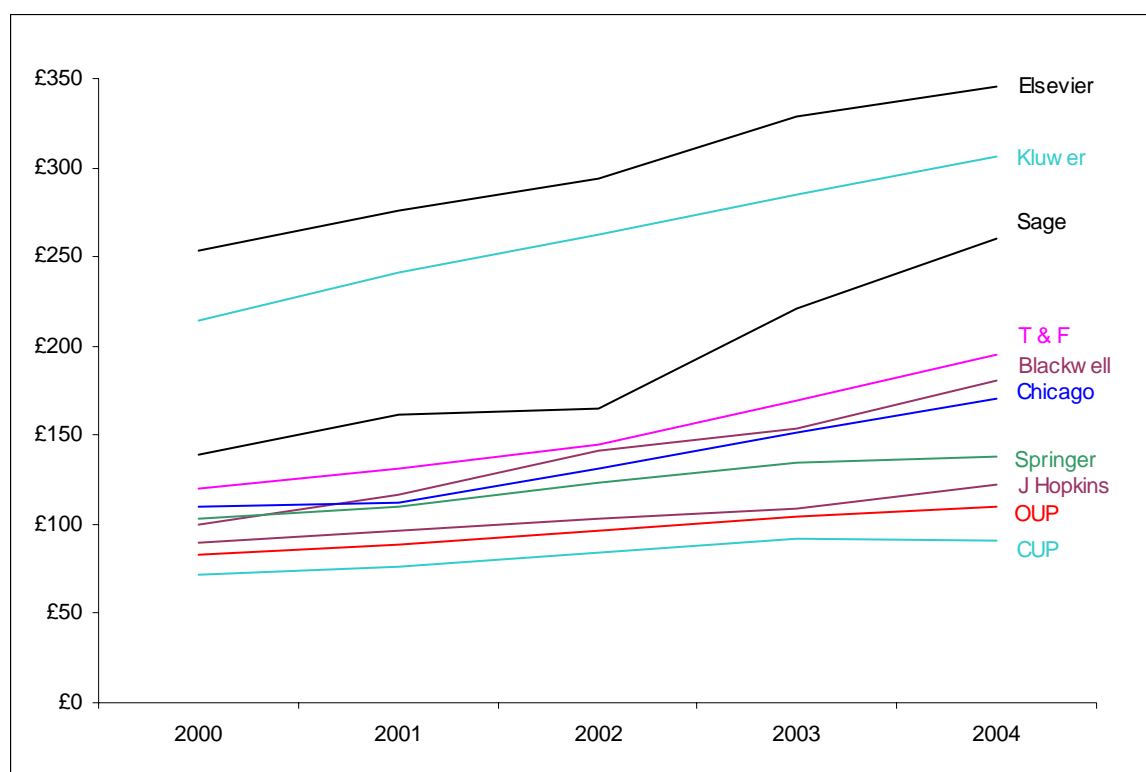


Table 2.5 Median journal prices – science, 2000-04

£

	2000	2001	2002	2003	2004	% change 00-04	No incl.
Sage	163	181	197	276	317	93.9%	23
Johns Hopkins UP	85	91	98	111	130	53.8%	13
Blackwell	287	318	329	388	433	50.8%	124
Lippincott	274	303	347	381	406	48.3%	8
Springer	369	398	432	492	539	46.2%	113
Taylor & Francis	331	370	401	425	483	45.9%	127
OUP	217	235	254	275	307	41.5%	25
Kluwer	454	486	531	590	635	40.0%	218
Nature	268	281	303	363	363	35.4%	3
Cambridge UP	178	195	218	238	238	33.7%	21
U. of Chicago	425	460	495	540	565	32.9%	7
Elsevier	1,016	1,093	1,158	1,288	1,349	32.7%	322

Fig 2.5 Median journal prices – science

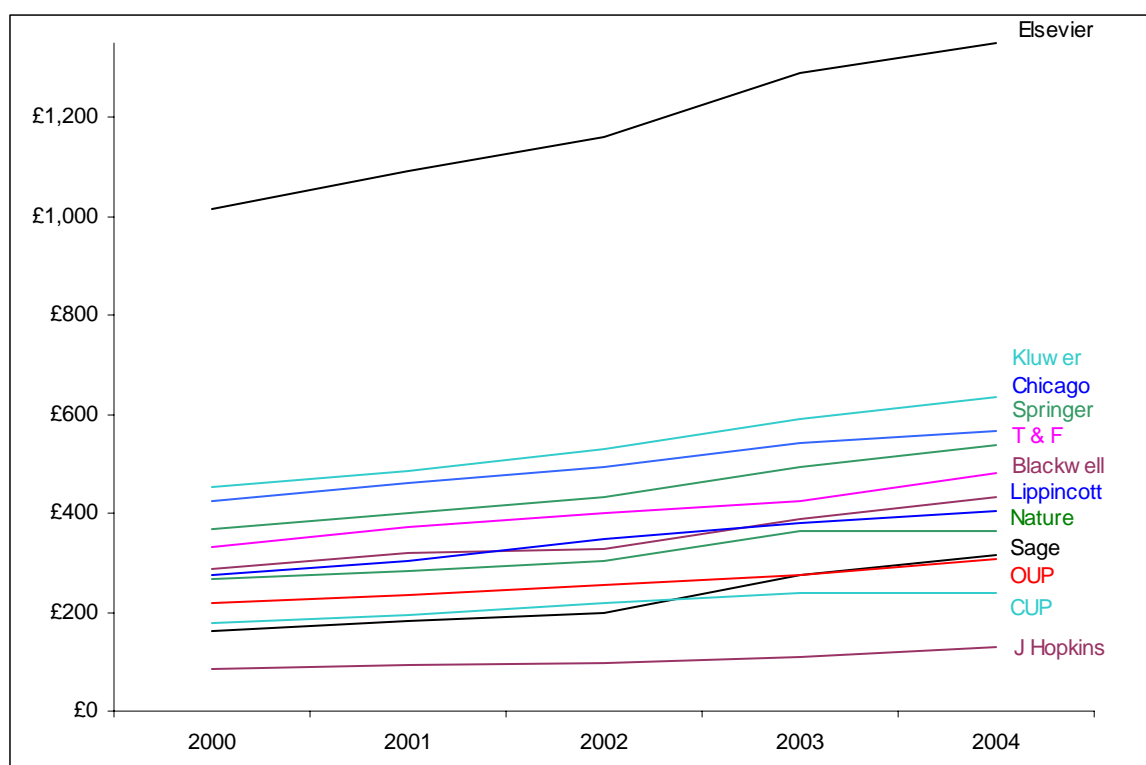
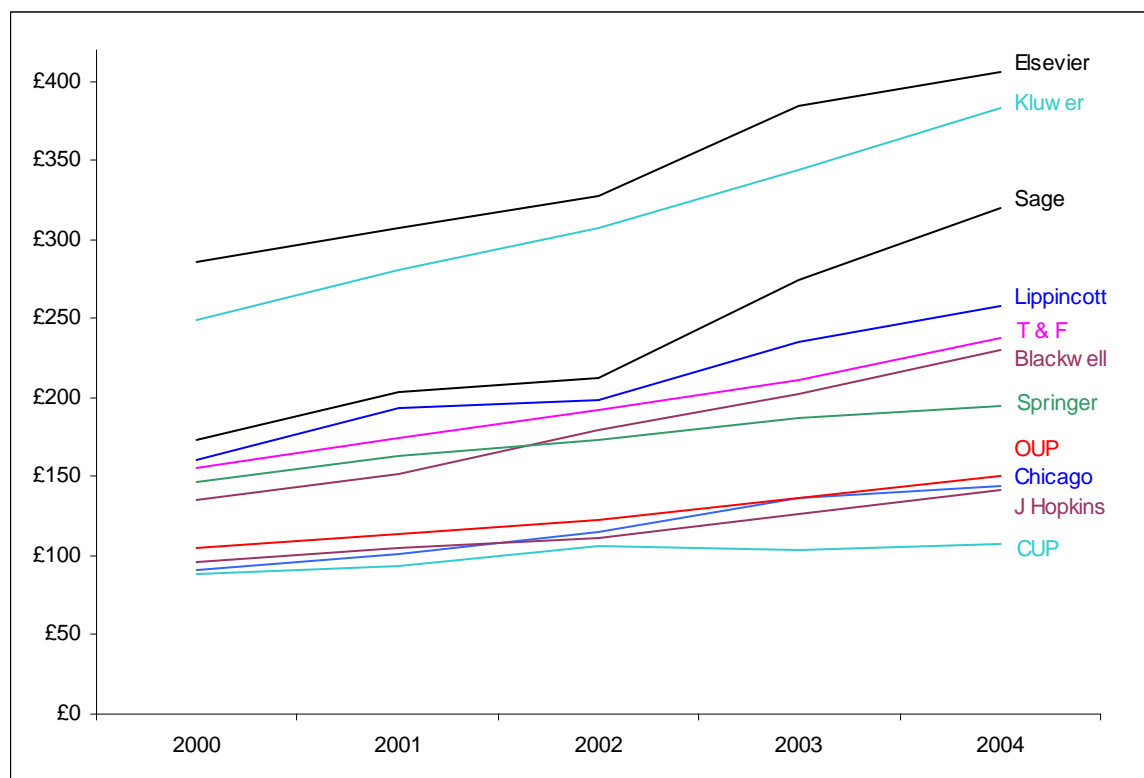


Table 2.6 Median journal prices – social science, 2000-04

£

	2000	2001	2002	2003	2004	% change 00-04	No incl.
Sage	173	204	213	275	320	85.2%	152
Blackwell	135	152	180	202	230	70.4%	167
Lippincott	161	193	199	235	258	61.0%	4
U. of Chicago	91	101	115	136	145	59.7%	16
Kluwer	249	281	307	344	383	53.6%	219
Taylor & Francis	156	174	192	211	238	52.6%	311
Johns Hopkins UP	97	105	112	126	142	46.6%	30
OUP	105	113	123	136	151	44.5%	76
Elsevier	286	308	328	385	406	41.8%	178
Springer	147	163	173	188	195	33.0%	32
Cambridge UP	88	94	106	104	108	22.7%	29

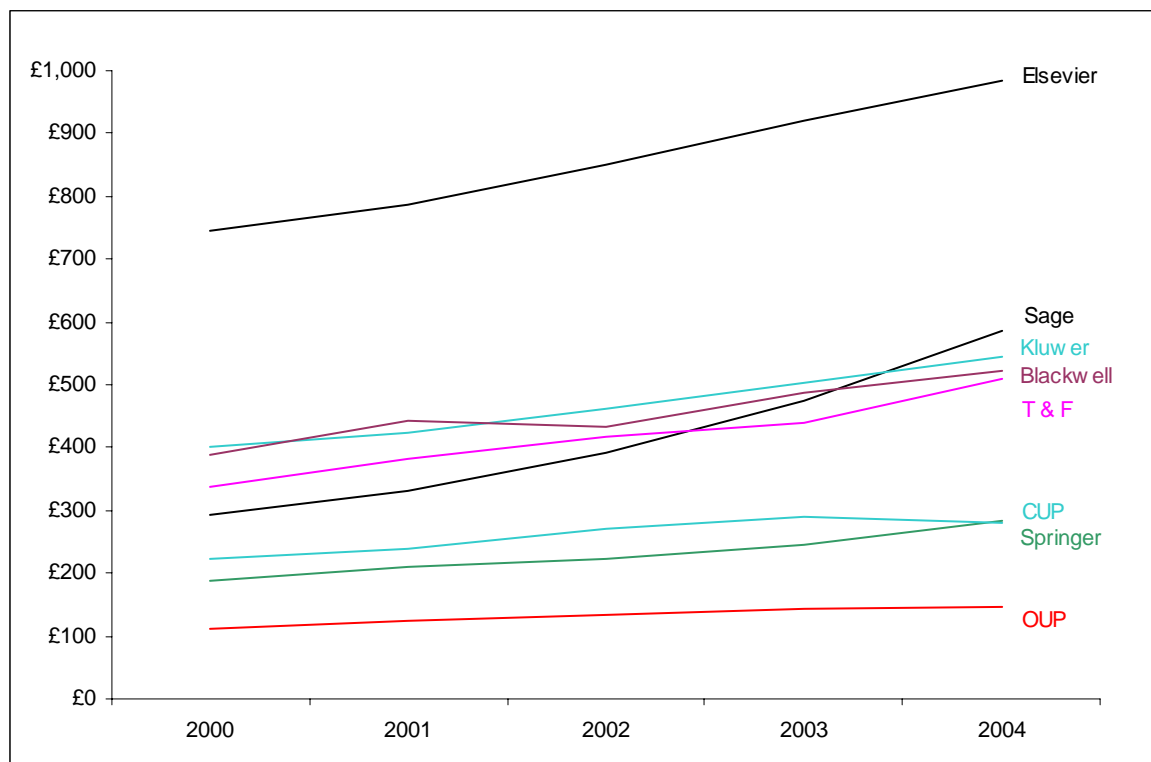
Fig 2.6 Median journal prices – social science



**Table 2.7 Median journal prices – technology, 2000-04**

£

	2000	2001	2002	2003	2004	% change 00-04	No incl.
Sage	293	331	393	475	586	100.3%	17
Taylor & Francis	336	382	416	441	511	52.1%	55
Springer	187	209	223	244	284	51.6%	36
Kluwer	402	424	463	504	544	35.2%	111
Blackwell	389	442	433	489	524	34.7%	28
Elsevier	744	788	849	921	984	32.3%	229
OUP	112	125	134	144	146	30.9%	12
Cambridge UP	224	238	270	290	280	25.0%	5

**Fig 2.7 Median journal prices – technology**

Sage has the largest increases in median prices over the period in all subjects (except humanities), ranging from 85% for social science to 101% for computers. Cambridge University Press has the lowest increase in three of the six subjects, and is in the bottom three for the remaining subjects, with a range from 21% in social science to 35% in computers.

Detailed examination of the data for individual publishers revealed some interesting insights into pricing policies. Elsevier was particularly consistent in the range of price increases applied across subject categories, with very little difference in the median increase applied in any year (Section 3.4.2). Taylor & Francis and Kluwer also show considerable consistency, particularly in the more recent years (Sections 3.6.2 and 3.11.2). The same publishers were also the most consistent in applying similar rates of increase across titles at all price levels, particularly for biomedical titles, and in the more recent years.

## Price of biomedical titles, 1993–2004

Inclusion of 1993 price data reduced the number of journals available considerably; in particular, it was not possible to include data from Cambridge University Press, Johns Hopkins University Press, Nature, or University of Chicago Press in this part of the analysis, as each had fewer than ten titles continuously available. The proportion of titles available in 2000–2004 which were also available in 1993 varied from 18% at Nature to 61% at Elsevier.

In some cases, it was apparent that the longer established journals had a different price profile from those which had not been available in 1993. At Elsevier, Sage, Springer and Taylor & Francis, those titles which were available in 1993 had a median price which was significantly higher in each year than the median for the larger set available from 2000, by up to 74%. At Blackwell, the longer established titles had a lower median price in 2000 and 2001, but the difference has been minimal in subsequent years. In general, rates of increase over the period do not appear to be significantly different for the two data sets, however. As the detailed analyses by publisher, presented in Section 3, show, rates of increase are relatively similar across the price range of biomedical journals.

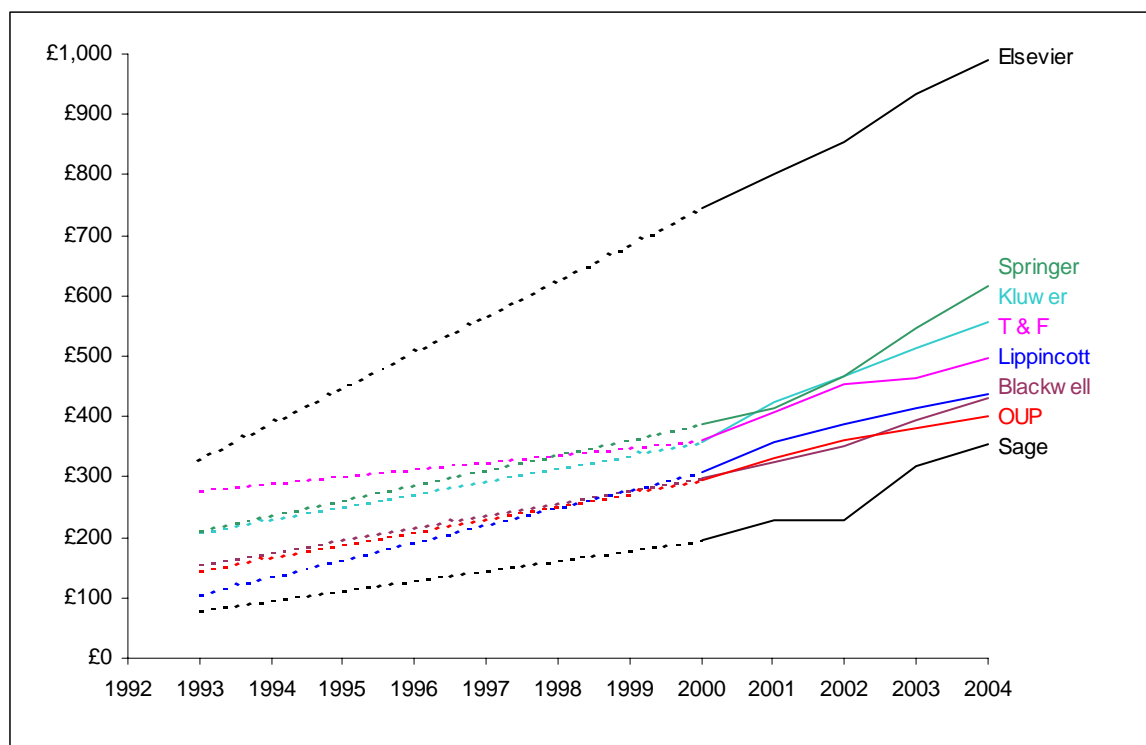
Table 2.8 and Fig 2.8 show the median prices by publisher for biomedical titles from 1993 to 2004. For most of the publishers included, the rate of increase for median prices appears fairly constant throughout the period, with increases over the period 1993 to 2000 at a similar average annual rate to those in the subsequent period. It had been speculated that some publishers had imposed large increases in the late 1990s, with subsequent increases at a more reasonable level. This is not borne out by the data available to LISU – indeed there is slight evidence that some publishers have applied higher rates of increase in the more recent years.

**Table 2.8 Median journal prices – biomedical, 1993-2004**

£

	1993	2000	2001	2002	2003	2004	% change 93-04	No incl.
Sage	79	197	230	230	317	355	352%	28
Lippincott	107	309	358	387	415	437	310%	53
Elsevier	327	745	801	856	933	991	203%	358
Springer	211	388	413	468	547	615	191%	126
OUP	145	295	330	360	380	400	176%	23
Blackwell	156	297	323	350	394	429	175%	111
Kluwer	207	358	424	466	513	556	169%	93
Taylor & Francis	277	362	408	452	465	498	80%	59

Fig 2.8 Median journal prices – biomedical, 1993-2004



### Average price per page: Biomedical titles

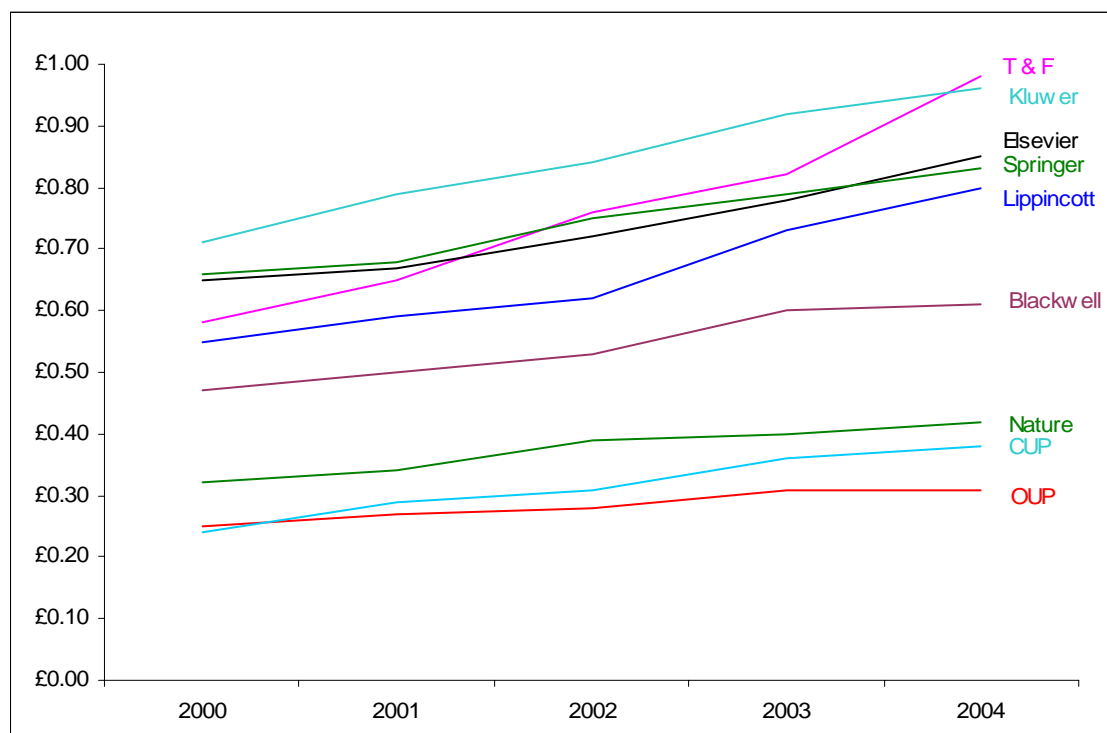
For this analysis, the average price per page for each journal has been calculated using the previous year's page number data, i.e. the average price per page for 2004 is calculated from the 2004 subscription divided by the total number of pages published in 2003. Only nine of the original twelve publishers could be included. There is a clear, and unsurprising, relationship between number of pages and journal price. The strength of this relationship varied between publishers, however, it was uniformly the case that larger journals tended to be more expensive.

Table 2.9 summarises the median price per page by publisher. Springer reports the lowest increase over this period, of 25%. This compares with an increase of 9.9% in the Retail Price Index between January 2000 and January 2004. Fig 2.9 shows the median price per page for all biomedical journals by publisher. The OUP has the lowest figures from 2001 to 2004, with only Cambridge University Press lower in 2000. Kluwer has been the most expensive in all but the most recent year.

Table 2.9 Median price per page 2000-2004

£

	2000	2001	2002	2003	2004	% change 00-04	No. Incl
Taylor & Francis	0.58	0.65	0.76	0.82	0.98	68.5%	80
Cambridge UP	0.24	0.29	0.31	0.36	0.38	56.0%	12
Lippincott	0.55	0.59	0.62	0.73	0.80	46.5%	101
Kluwer	0.71	0.79	0.84	0.92	0.96	35.0%	133
Elsevier	0.65	0.67	0.72	0.78	0.85	31.9%	338
Nature	0.32	0.34	0.39	0.40	0.42	31.2%	40
Blackwell	0.47	0.50	0.53	0.60	0.61	31.2%	359
OUP	0.25	0.27	0.28	0.31	0.31	25.5%	65
Springer	0.66	0.68	0.75	0.79	0.83	24.5%	134

**Fig 2.9 Median price per page, 2000-2004**

### Impact factors: Biomedical titles

It had been speculated that journals with higher impact factors might attract premium prices. To investigate this, correlation analysis was carried out for each publisher for each year. Overall, there was little evidence found for any relationship between impact factor and price. Only two publishers (of nine with sufficient data) showed any evidence of association, with higher impact factors associated with higher prices in all years. These are noted with the appropriate publishers' results in Section 3.

The range of impact factor values is quite wide both within and between publishers. In particular, in calculating the average price per point of impact factor, those journals with very low impact factors close to zero may as a consequence have exceptionally high prices per point of impact factor. Use of the median value for comparisons eliminates potential distortion from such titles.

Table 2.10 and Fig 2.10 illustrate the mean impact factor for biomedical journals by publisher from 1992 to 2002 (note that impact factor is available only retrospectively, and impact factor data were related to prices in the subsequent year). Taylor & Francis is the only publisher not to see an increase in their average impact factor over the period considered here. For the remaining publishers there has been an overall increase in average impact factor of between 22% and 77%.

Table 2.11 and Fig 2.11 show the mean impact factors for the larger data set available from 1999 to 2002. Elsevier shows the greatest increase over this period, of 21.2%; Springer is the only publisher to record a decrease, of less than 2%.

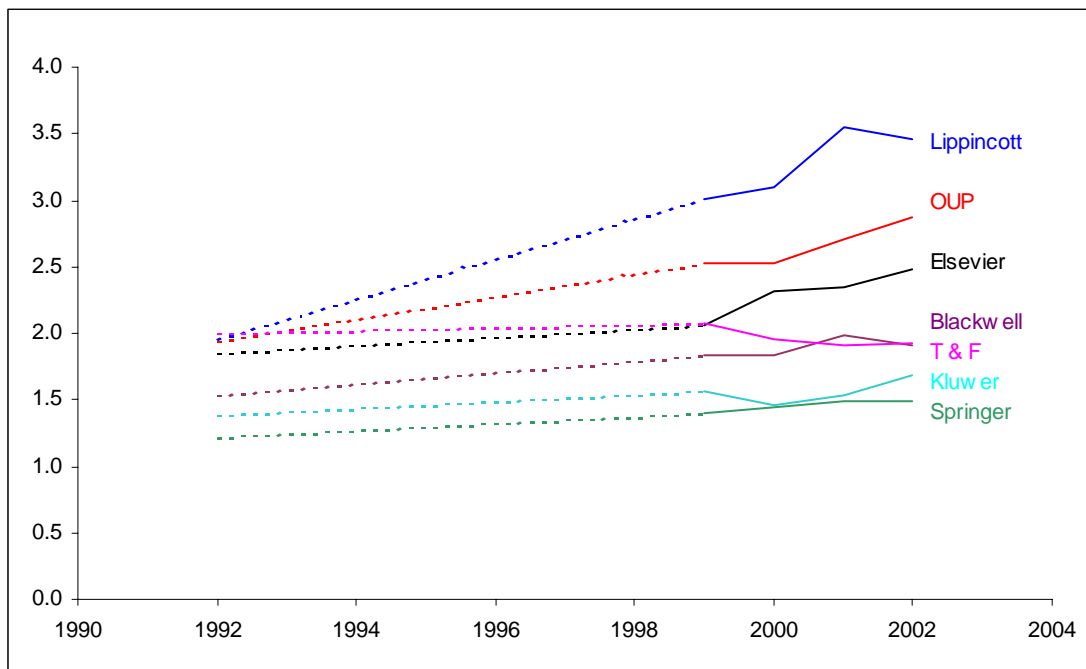
Impact factor is another area where there appear to be differences between the longer established journals (i.e. those continuously with the same publisher since 1993) and 'newer' titles. However, this pattern is not consistent between publishers, with four reporting higher mean impact factors for their more established titles (Blackwell, Kluwer, Lippincott Williams &

Wilkins and Taylor & Francis) and the remainder reporting lower mean values for these titles. Length of publication would not, from these data, appear to give a reliable indication of high impact of a title.

**Table 2.10 Mean impact factor 1992-2002**

	1992	1999	2000	2001	2002	% change 92-02	No. Incl
Lippincott	1.96	3.01	3.10	3.55	3.46	76.6%	29
OUP	1.95	2.53	2.52	2.71	2.87	47.4%	11
Elsevier	1.85	2.06	2.32	2.34	2.49	34.3%	206
Blackwell	1.54	1.83	1.83	1.99	1.91	24.2%	72
Springer	1.22	1.39	1.44	1.49	1.49	22.8%	86
Kluwer	1.38	1.57	1.46	1.54	1.69	22.1%	35
Taylor & Francis	2.00	2.08	1.96	1.91	1.92	-4.1%	19

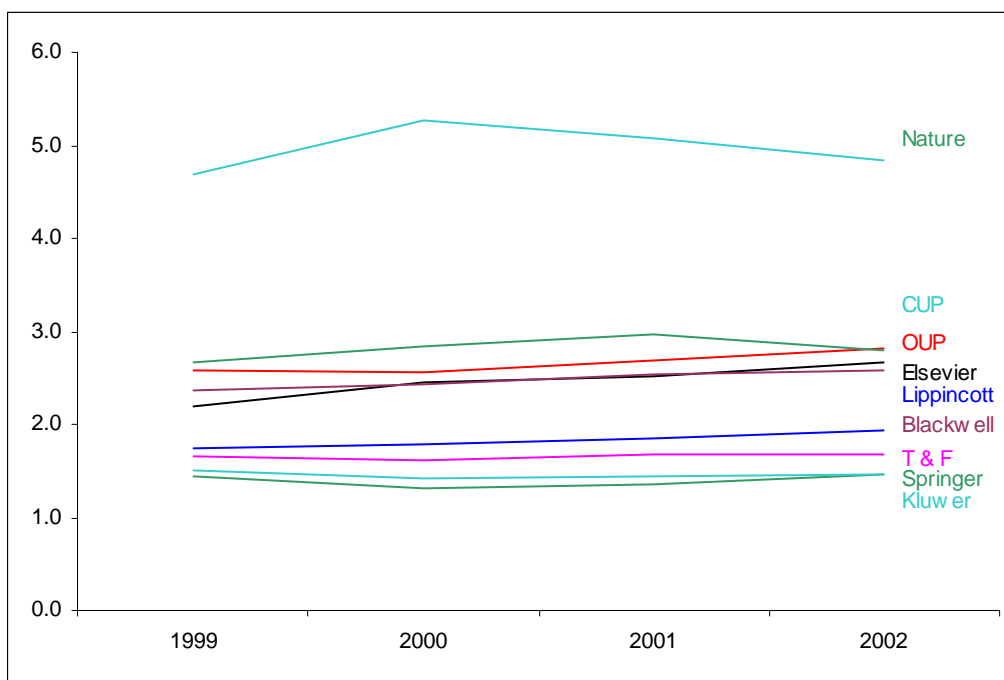
**Fig 2.10 Mean impact factor 1992-2002**



**Table 2.11 Mean impact factor 1999-2002**

	1999	2000	2001	2002	% change 99-02	No. Incl
Elsevier	2.20	2.45	2.52	2.66	21.2%	334
Blackwell	1.74	1.78	1.85	1.93	10.9%	352
Lippincott	2.36	2.43	2.55	2.59	9.4%	101
OUP	2.59	2.55	2.70	2.81	8.4%	63
Cambridge UP	2.67	2.83	2.97	2.80	5.0%	12
Nature	4.69	5.26	5.07	4.84	3.2%	40
Kluwer	1.43	1.31	1.36	1.47	2.6%	133
Taylor & Francis	1.67	1.62	1.68	1.68	1.0%	79
Springer	1.50	1.42	1.45	1.47	-1.7%	133

**Fig 2.11 Mean impact factor 1999-2002**



Combining data on impact factor with price information to give an average price per point of impact factor gives an alternative measure of value to the price per page analysis considered above. Table 2.12 and Fig 2.12 show the trends in median price per impact factor by publisher from 1993 to 2003. OUP has the lowest median of those publishers included, with Elsevier the highest. Springer has the lowest price increase, at 40.1%, with Taylor & Francis the highest.

**Table 2.12 Median price per point of impact factor 1993-2003**

£

	1993	2000	2001	2002	2003	% change 93-03	No. Incl
Taylor & Francis	184	296	304	467	523	183.4%	19
Lippincott	96	223	228	234	258	169.8%	29
Kluwer	236	361	428	474	501	112.1%	35
Elsevier	309	538	581	579	638	106.3%	206
Blackwell	164	217	242	244	281	71.7%	72
OUP	92	129	152	141	156	69.0%	11
Springer	425	547	546	542	596	40.1%	86

**Fig 2.12 Median price per point of impact factor 1993-2003**

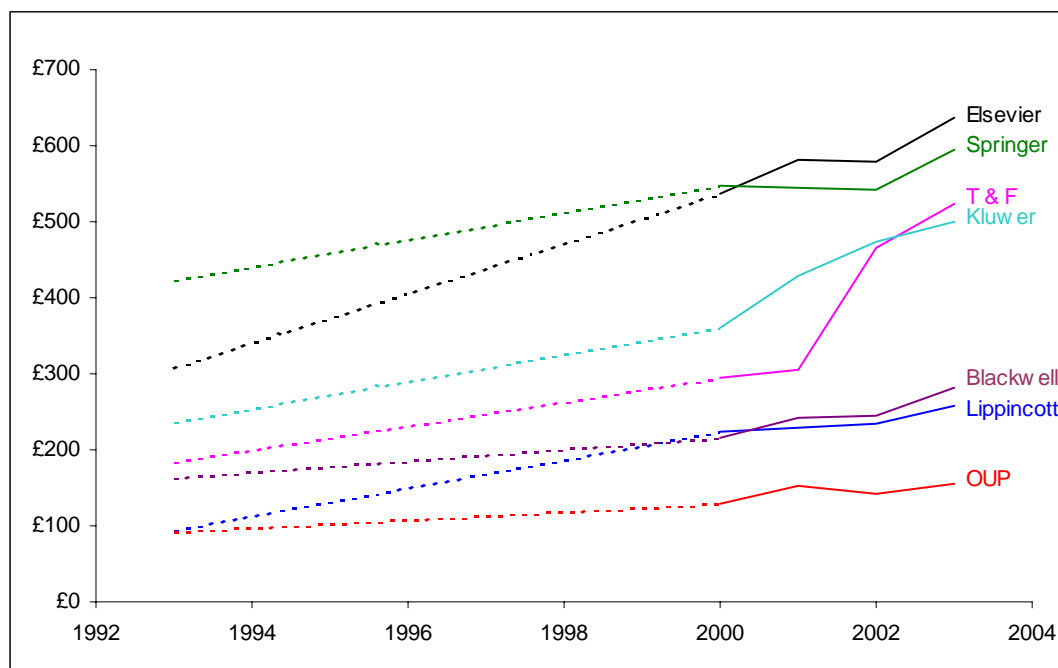


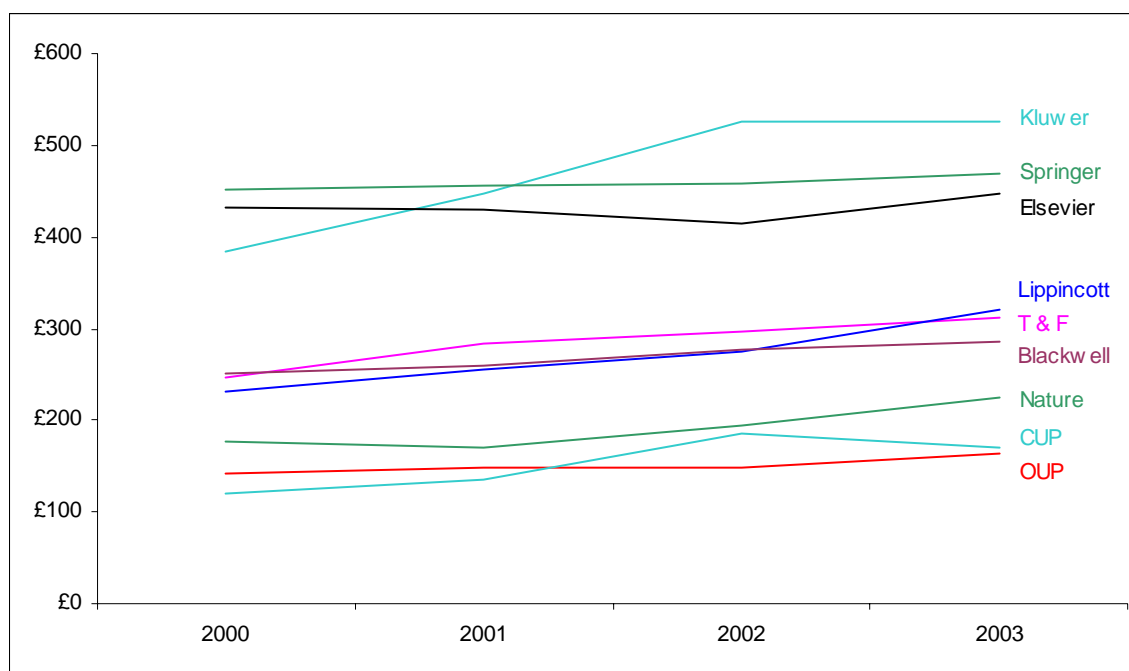
Table 2.13 and Fig 2.13 summarise the trends for the larger data set available from 2000 to 2003. The greatest increase has been at Cambridge University Press, at 43.7%, with Elsevier the lowest, at 3.7%. OUP and Cambridge University Press have the lowest prices; Springer is the most expensive.

**Table 2.13 Median price per point of impact factor 2000-2003**

£

	2000	2001	2002	2003	% change 00-03	No. Incl
Cambridge UP	119	135	185	171	43.7%	12
Lippincott	230	256	276	321	39.2%	101
Kluwer	385	448	527	525	36.3%	133
Nature	176	170	194	224	27.1%	40
Taylor & Francis	246	284	296	312	26.7%	79
OUP	143	148	149	163	14.5%	63
Blackwell	250	260	278	285	13.9%	352
Springer	451	455	458	470	4.1%	133
Elsevier	432	431	415	448	3.7%	334

**Fig 2.13 Median price per point of impact factor 2000-2003**



Some publishers showed evidence of significant correlations between the number of pages and impact factor; this was not uniform, but in all cases where an association was found, the pattern was such that journals with higher impact factors tended to have more pages.

One trend which is apparent for some publishers, but which was not investigated in depth due to time constraints, concerns the association between the level of price per point of impact factor and the rate at which it increases. In a number of cases, it appears that those journals with a lower price per impact factor increase in this measure at a greater rate than those with a higher price per impact factor, thus narrowing the 'value gap' (see for example Sections 3.2.4, 3.6.4, 3.10.5).

### 3. Detailed results by publisher

For each publisher, the following set of tables and graphs have been included:

- Overall journal prices and percentage increases, 2000-2004
- Median journal prices and median percentage increases by subject, 2000-2004
- Biomedical journal prices and percentage increases, 1993-2004  
*Not available for Cambridge University Press, Johns Hopkins University Press, Nature, University of Chicago Press*
- Price per impact factor for biomedical titles, 1993-2003  
*Not available for Cambridge University Press, Johns Hopkins University Press, Nature, Sage, University of Chicago Press*
- Price per impact factor for biomedical titles, 2000-2003  
*Not available for Johns Hopkins University Press, Sage, University of Chicago Press*
- Price per page for biomedical titles, 2000-2004  
*Not available for Johns Hopkins University Press, Sage, University of Chicago Press*

As well as five key points in the distribution covering the range of prices for each year, two individual titles have been shown in a number of the tables. These were chosen as the most extreme examples in the collection; i.e. those with the highest and lowest prices in the most recent year. For those tables giving percentage increases, the two extreme titles were chosen as those having the greatest and smallest increases over the period covered by the table.

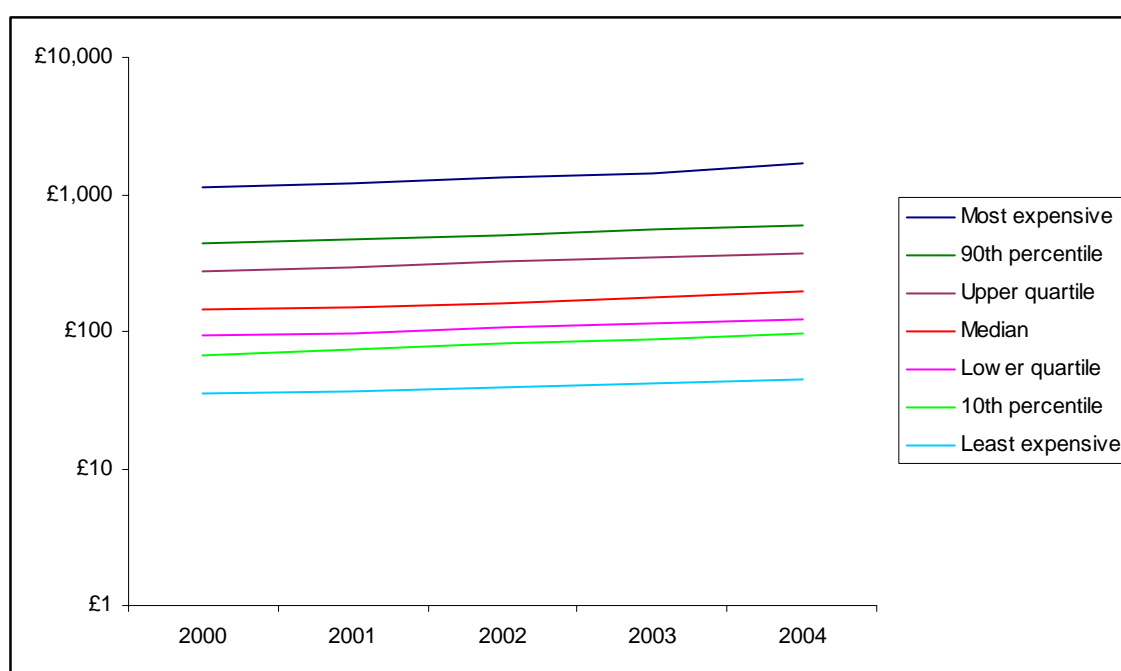
Commentary is only included where significant associations of interest were found, or where extreme results were observed for individual titles. Results for the OUP are presented first, followed by the remaining publishers in alphabetical order.

### 3.1 Oxford University Press

#### 3.1.1 Overall journal prices (£)

Total no. of titles included: 252

	2000	2001	2002	2003	2004	% change 2000-04
<i>Nucleic Acids Research: Internet</i>	1,126	1,200	1,322	1,443	1,672	48.5
90th percentile	445	468	495	560	595	33.7
Upper quartile	276	297	325	344	377	36.6
Median	143	150	160	176	194	35.8
Lower quartile	94	98	107	113	122	29.9
10th percentile	66	75	81	87	98	48.6
<i>Contributions to Political Economy</i>	35	37	39	42	45	28.6



N.B. This graph has a logarithmic scale

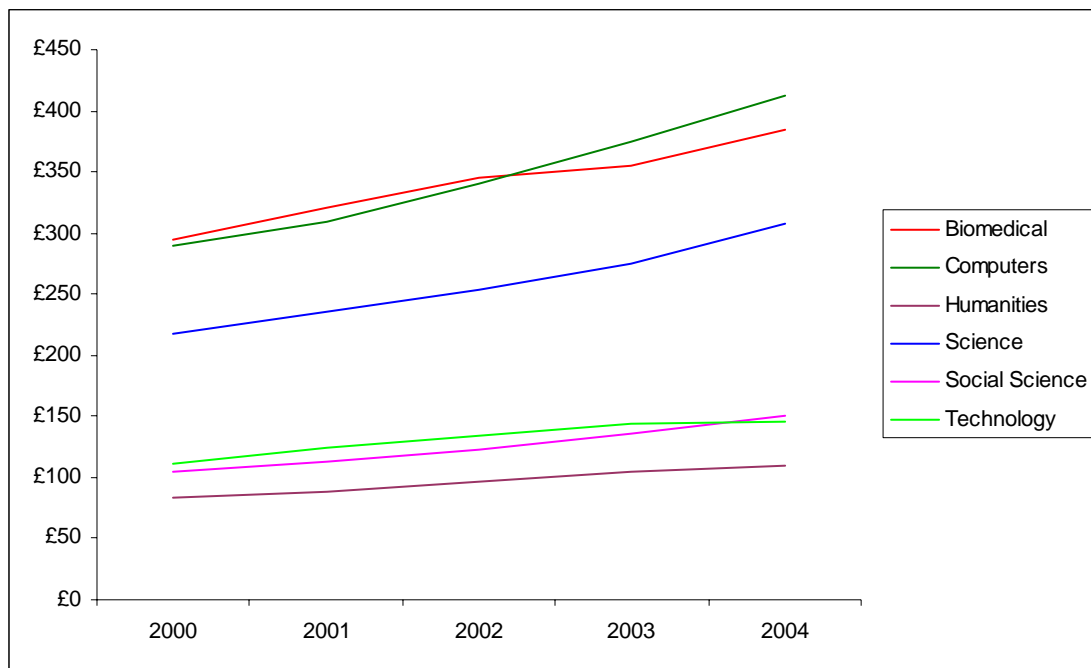
#### Percentage increases 2000-2004

	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>British Journal of Criminology: Internet</i>	10.0	15.5	16.8	53.2	127.6
90th percentile	11.6	12.9	14.2	16.5	63.2
Upper quartile	8.9	10.3	10.3	12.7	46.5
Median	6.9	7.9	8.8	10.1	37.5
Lower quartile	4.9	6.0	6.7	5.3	29.0
10th percentile	3.3	3.6	4.7	4.6	21.7
<i>Review of Financial Studies: Internet</i>	11.7	21.9	0.0	-40.8	-19.4

## 3.1.2 Median journal prices by subject (£)

Total no. of titles included: 252

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	91	295	320	345	355	384	30.2
Computers	7	290	310	340	375	413	42.4
Humanities	41	83	89	96	104	110	32.5
Science	25	217	235	254	275	307	41.5
Social Science	76	105	113	123	136	151	44.5
Technology	12	112	125	134	144	146	30.9



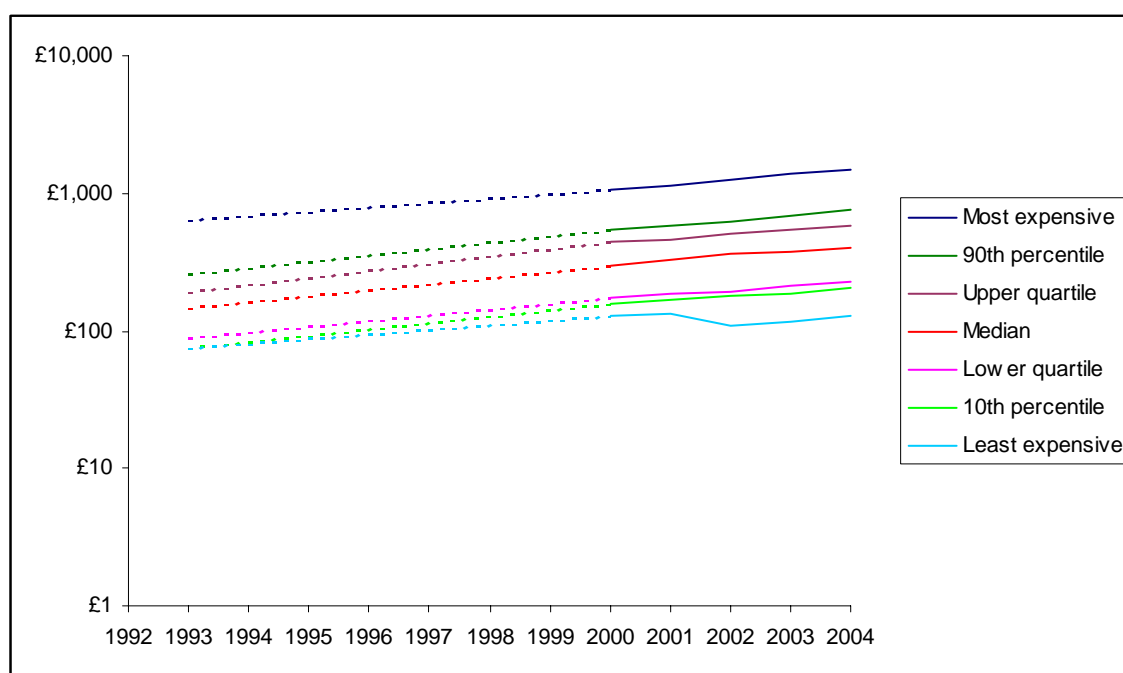
## Median percentage increases 2000-2004

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	91	6.5	7.7	7.9	10.3
Computers	7	6.9	7.1	9.3	12.2
Humanities	41	7.2	7.9	8.3	5.4
Science	25	6.9	7.8	8.8	10.0
Social Science	76	7.5	8.8	10.0	10.2
Technology	12	7.7	4.9	10.4	6.1

## 3.1.3 Biomedical journal prices (£)

Total no. of titles included: 23

	1993	2000	2001	2002	2003	2004	% change 1993-04
<i>Nucleic Acids Research</i>	650	1,065	1,135	1,250	1,365	1,502	131.1
90 <sup>th</sup> percentile	264	545	581	629	685	751	184.3
Upper quartile	195	451	462	503	548	590	202.3
Median	145	295	330	360	380	400	175.9
Lower quartile	89	175	185	195	213	229	157.8
10th percentile	75	155	166	177	188	206	174.7
<i>Medical Law Review</i>	75	127	135	110	118	130	73.3



N.B. This graph has a logarithmic scale

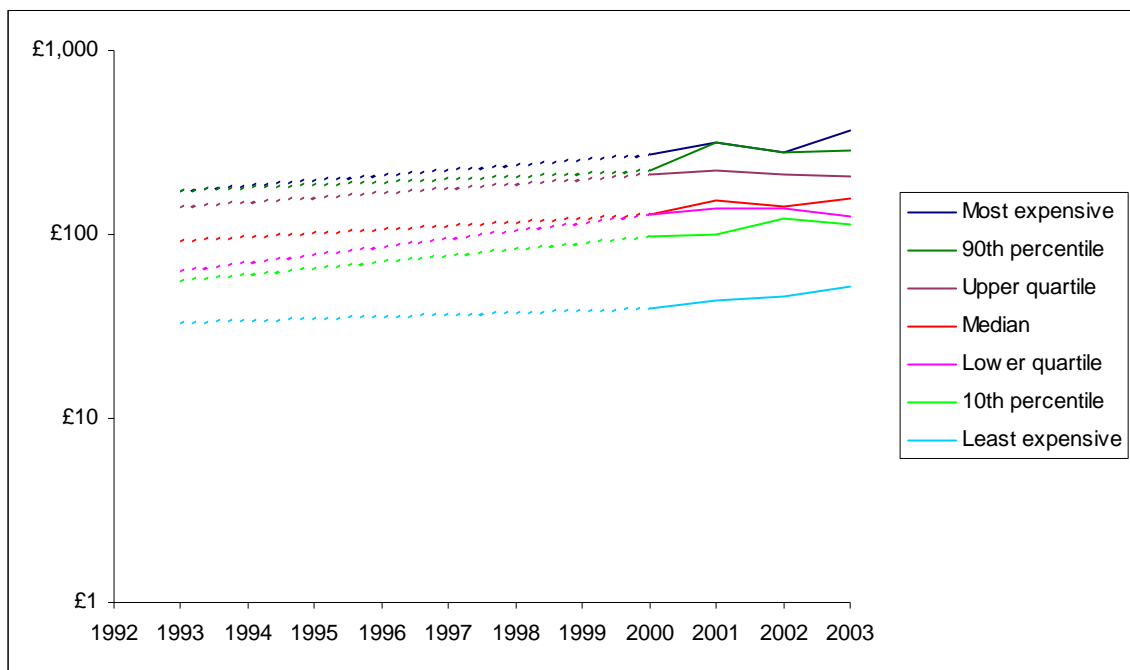
## Percentage increases 1993-2004

	% change 1993-2000	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 1993-04
<i>Human Molecular Genetics</i>	205.1	27.7	9.9	10.2	10.0	419.0
90 <sup>th</sup> percentile	151.1	9.6	11.1	10.3	10.3	256.9
Upper quartile	112.2	9.1	10.0	10.2	10.0	205.3
Median	102.6	6.6	8.6	8.2	8.0	172.7
Lower quartile	90.1	5.5	6.7	7.1	5.3	141.7
10th percentile	68.6	4.2	3.1	5.6	4.9	125.4
<i>Medical Law Review</i>	69.3	6.3	-18.5	7.3	10.2	73.3

3.1.4 Price per impact factor, biomedical titles 1993-2003 (£)

Total no. of titles included: 11

	1993	2000	2001	2002	2003	% change 1993-03
<i>Journal of Molluscan Studies</i>	175	274	314	277	368	110.6
90 <sup>th</sup> percentile	175	225	314	277	285	63.1
Upper quartile	143	213	221	214	205	43.7
Median	92	129	152	141	156	69.0
Lower quartile	64	127	140	138	125	94.1
10th percentile	57	97	99	121	113	99.5
<i>Brain</i>	33	40	44	47	52	55.4

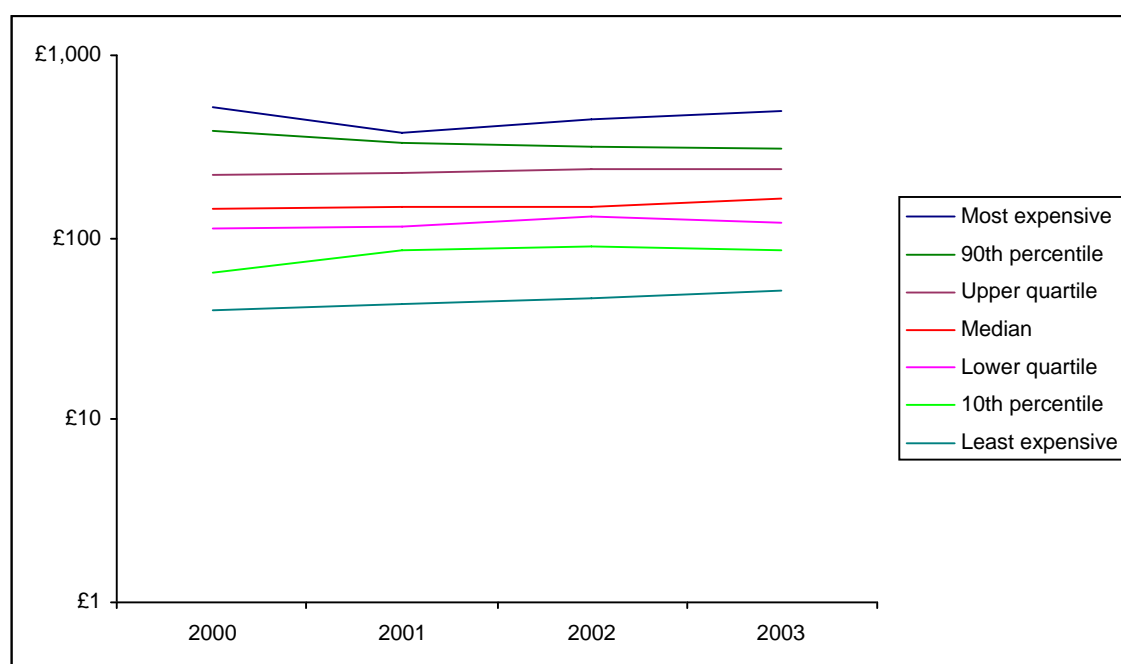


N.B. This graph has a logarithmic scale

## 3.1.5 Price per impact factor, biomedical titles 2000-2003 (£)

Total no. of titles included: 63

	2000	2001	2002	2003	% change 2000-03
<i>Journal of Tropical Pediatrics : Internet</i>	516	379	448	498	-3.6
90 <sup>th</sup> percentile	385	329	312	307	-20.3
Upper quartile	222	226	241	236	6.1
Median	143	148	149	163	14.5
Lower quartile	113	115	131	122	8.4
10th percentile	65	84	90	84	29.7
<i>Brain</i>	40	44	47	52	29.9



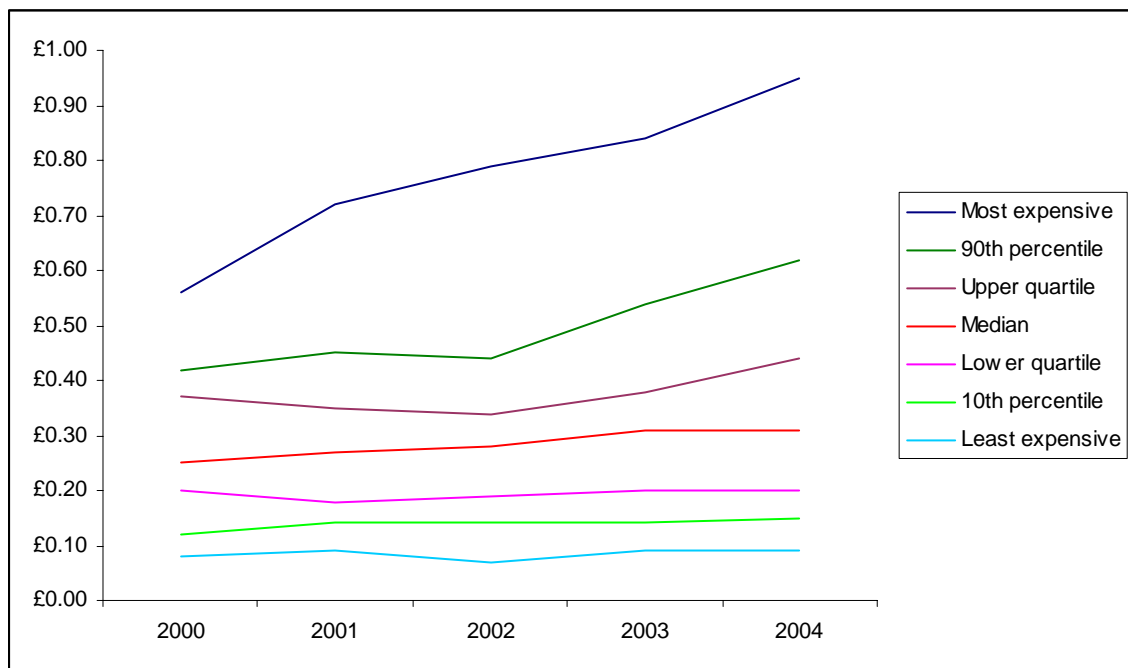
N.B. This graph has a logarithmic scale

There is some indication of a relationship between impact factor and number of pages over the period 2000 to 2003 for OUP. The correlation coefficients for each year were in the range 0.42 to 0.59, which is indicative of a positive relationship with larger journals tending to have higher impact factors.

## 3.1.6 Price per page, biomedical titles (£)

Total no. of titles included: 65

	2000	2001	2002	2003	2004	% change 2000-04
<i>Human Reproduction Update :</i>						
<i>Internet</i>	0.56	0.72	0.79	0.84	0.95	69.4
90th percentile	0.42	0.45	0.44	0.54	0.62	46.2
Upper quartile	0.37	0.35	0.34	0.38	0.44	19.5
Median	0.25	0.27	0.28	0.31	0.31	25.5
Lower quartile	0.20	0.18	0.19	0.20	0.20	0.3
10th percentile	0.12	0.14	0.14	0.14	0.15	18.2
<i>Biometrika</i>	0.08	0.09	0.07	0.09	0.09	18.1



Over the period 2001-2004 the correlation between the number of pages and the cost of the journal was between 0.47 and 0.69. This is evidence of a relationship between the two, with larger journals tending to be more expensive.

During the years 2002-2004, the correlation between the number of pages and the price per page is between  $-0.44$  and  $-0.55$ . This indicates an inverse relationship, with lower prices per page for larger journals. In the earliest two years considered, the correlations are  $-0.23$  and  $-0.29$ , which does not indicate a strong relationship.

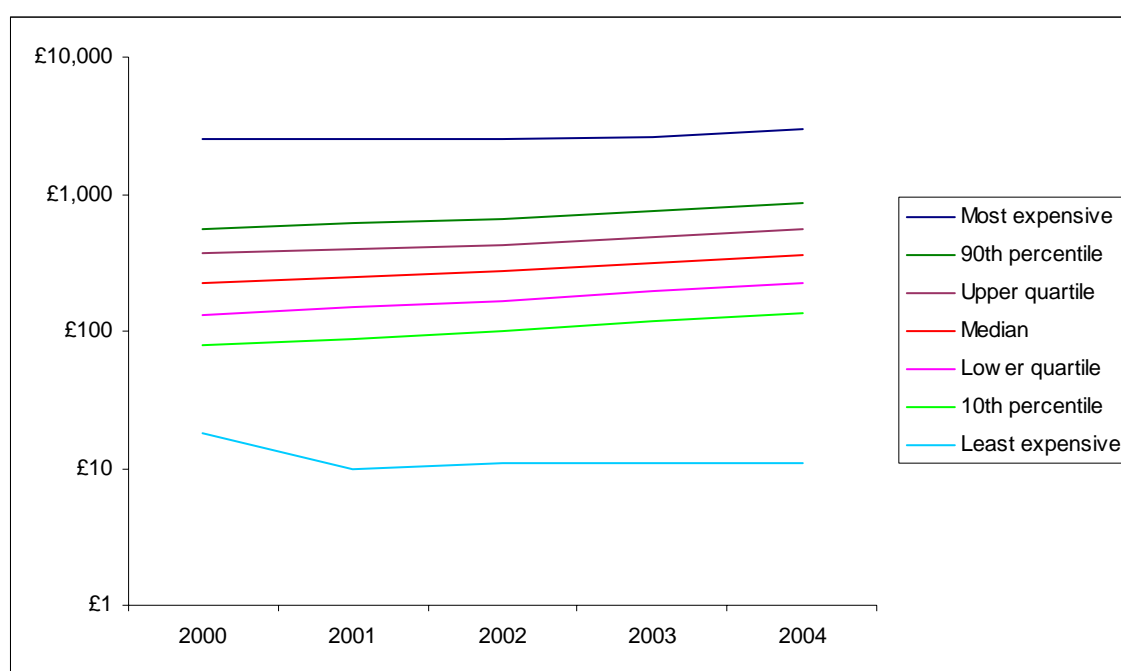
Over the first two years of the period considered here, the correlation of the price per page with the price was 0.62. This indicates a strong relationship between the two, with higher prices overall associated with higher prices per page. There is no significant correlation subsequently. Taken with the data relating price per page with page numbers noted above, this may be indicative of a change in pricing policy at OUP.

## 3.2 Blackwell

### 3.2.1 Overall journal prices (£)

Total no. of titles included: 988

	2000	2001	2002	2003	2004	% change 2000-04
<i>Monthly Notices of the Royal Astronomical Society: Premium –internet</i>	2,517	2,517	2,517	2,570	2,969	18.0
90th percentile	549	605	668	750	862	57.0
Upper quartile	366	400	431	485	564	54.2
Median	227	251	275	318	362	59.1
Lower quartile	132	148	163	199	226	71.2
10th percentile	78	88	100	120	136	74.0
<i>Oxford Today</i>	18	10	11	11	11	-38.9



N.B. This graph has a logarithmic scale

### Percentage increases 2000-2004

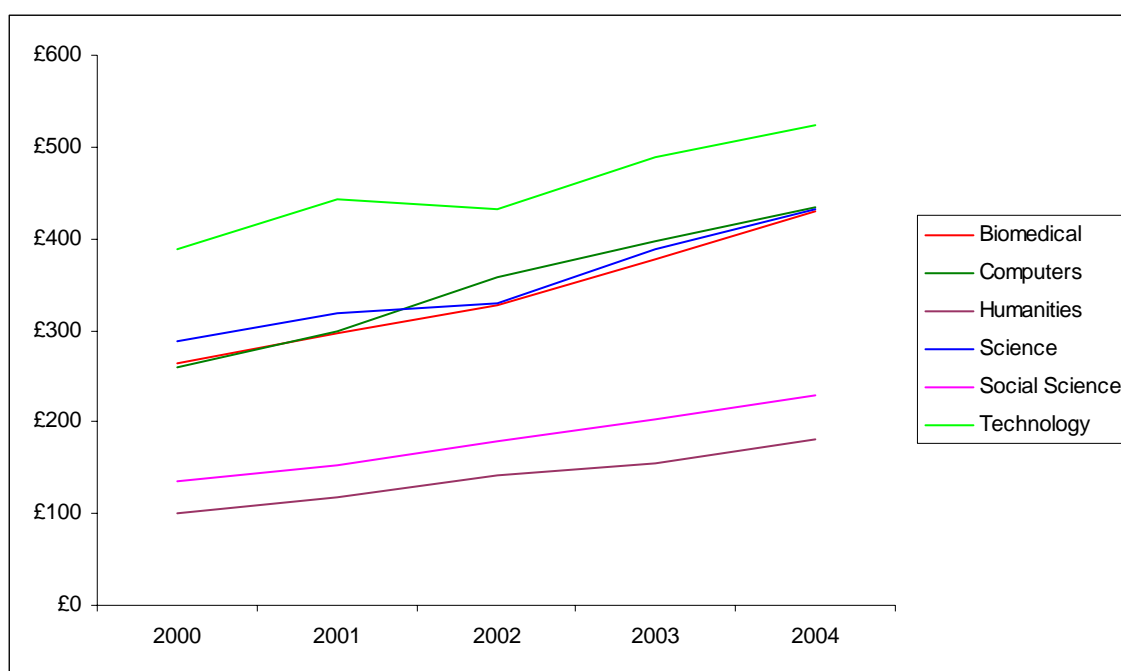
	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>Journal of Veterinary Emergency and Critical Care</i>	0.0	549.8	5.3	22.0	734.5
90 <sup>th</sup> percentile	22.1	23.0	31.2	25.1	120.2
Upper quartile	12.3	14.1	17.9	15.7	80.1
Median	8.2	8.6	11.7	10.3	56.1
Lower quartile	7.0	7.1	10.1	9.1	43.2
10th percentile	0.0	0.0	7.7	8.0	31.4
<i>Oxford Today</i>	-44.4	10.0	0.0	0.0	-38.9

It has not proved possible to cross-check the pricing data for the *Journal of Veterinary Emergency and Critical Care*, so these figures should be treated with caution.

## 3.2.2 Median journal prices by subject (£)

Total no. of titles included: 988

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	569	264	296	328	378	429	62.3
Computers	5	259	298	358	397	435	68.0
Humanities	95	100	117	141	154	181	81.0
Science	124	287	318	329	388	433	50.8
Social Science	167	135	152	180	202	230	70.4
Technology	28	389	442	433	489	524	34.7



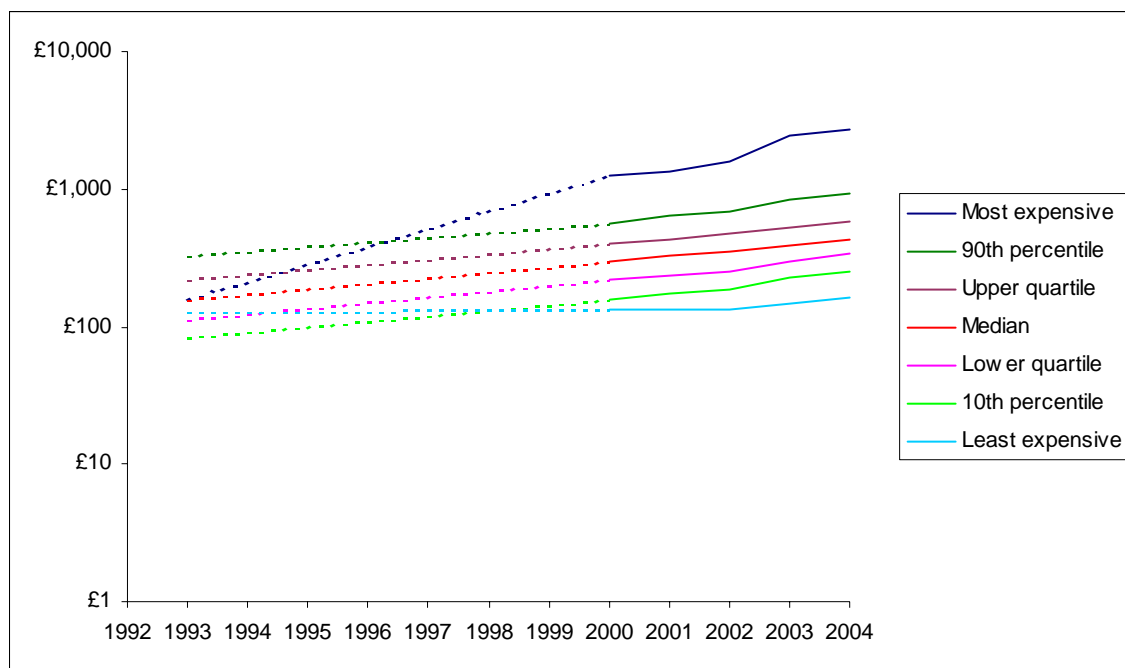
## Median percentage increases 2000-2004

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	569	7.9	8.0	12.0	14.0
Computers	5	12.2	13.6	10.9	9.4
Humanities	95	9.3	12.1	11.1	9.6
Science	124	7.9	7.9	10.8	11.7
Social Science	167	12.0	13.8	11.1	9.5
Technology	28	8.6	9.7	12.5	9.5

## 3.2.3 Biomedical journal prices (£)

Total no. of titles included: 111

	1993	2000	2001	2002	2003	2004	% change 1993-04
<i>Molecular Ecology : Premium - Internet</i>	155	1,273	1,322	1,578	2,460	2,754	1,677.0
<b>90<sup>th</sup> percentile</b>	323	570	635	695	849	923	185.9
<b>Upper quartile</b>	223	405	433	471	523	574	157.7
<b>Median</b>	156	297	323	350	394	429	175.1
<b>Lower quartile</b>	112	223	237	254	299	337	202.1
<b>10th percentile</b>	82	157	173	183	229	251	208.0
<i>Acta Ophthalmologica Scandinavica &amp; Supplementum</i>	130	134	134	133	149	162	24.4



N.B. This graph has a logarithmic scale

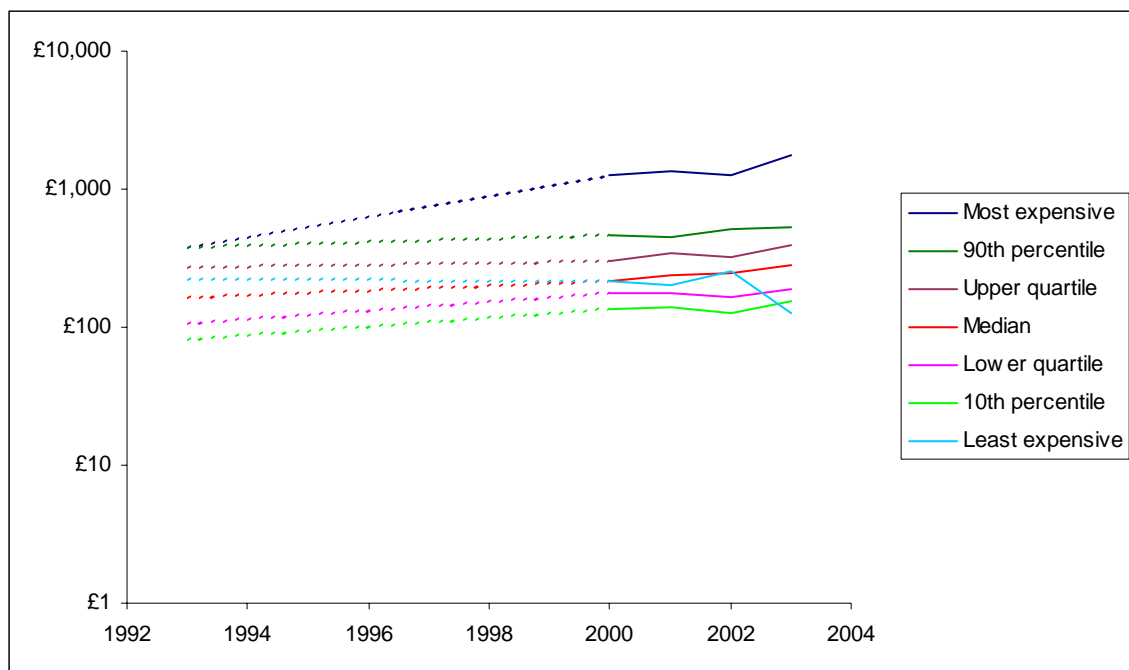
## Percentage increases 1993-2004

	% change 1993-2000	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 1993-04
<i>Molecular Ecology : Premium - Internet</i>	721.0	3.9	19.4	55.9	11.9	1,676.9
90 <sup>th</sup> percentile	187.4	17.5	19.4	30.6	17.7	370.2
Upper quartile	125.7	9.4	10.0	19.1	12.2	261.4
Median	84.2	7.9	7.9	12.0	9.0	186.1
Lower quartile	61.2	5.1	4.3	10.4	8.9	126.5
10th percentile	39.3	0.0	-1.8	8.0	8.0	94.2
<i>Journal of Medical Primatology</i>	-71.3	17.8	-0.2	19.8	8.9	-55.9

## 3.2.4 Price per impact factor, biomedical titles 1993-2003 (£)

Total no. of titles included: 72

	1993	2000	2001	2002	2003	% change 1993-03
<i>Journal of Oral Rehabilitation</i>	379	1,248	1,336	1,266	1,761	365.2
90 <sup>th</sup> percentile	374	466	455	507	534	42.6
Upper quartile	269	297	339	326	392	45.9
Median	164	217	242	244	281	71.7
Lower quartile	108	175	174	163	188	74.4
10th percentile	83	135	142	127	157	88.5
<i>International Journal of Experimental Pathology</i>	226	217	200	253	126	-44.1

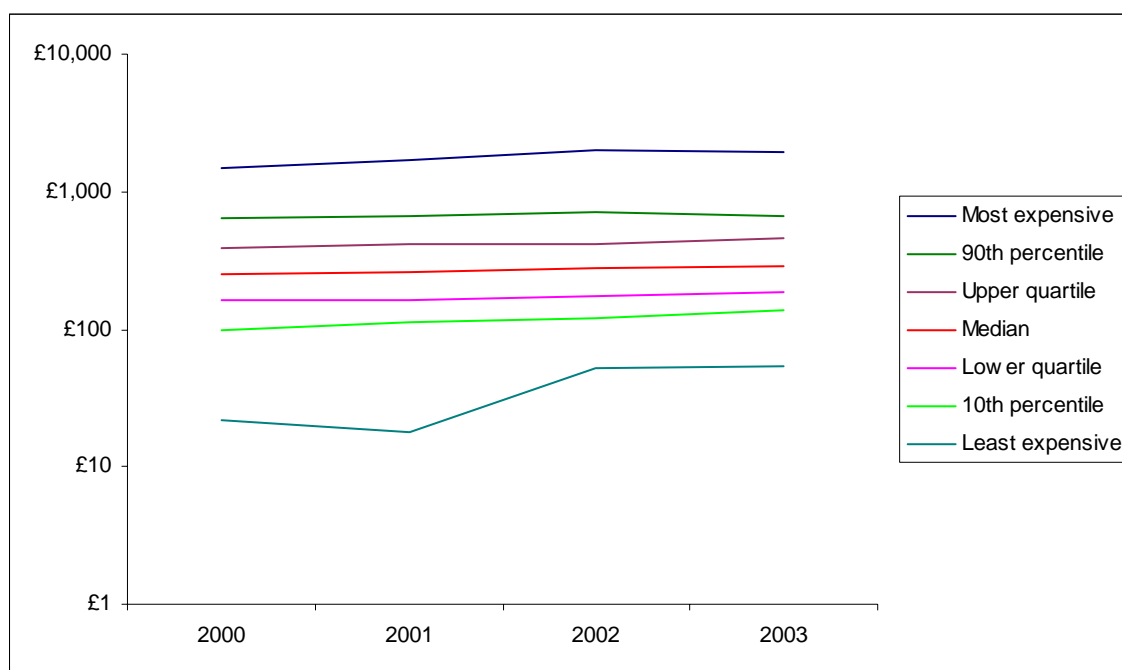


N.B. This graph has a logarithmic scale

## 3.2.5 Price per impact factor, biomedical titles 2000-2003 (£)

Total no. of titles included: 352

	2000	2001	2002	2003	% change 2000-03
<i>Journal of Applied Entomology</i>	1,472	1,717	1,982	1,943	31.9
90 <sup>th</sup> percentile	638	663	700	673	5.4
Upper quartile	383	416	421	455	18.8
Median	250	260	278	285	13.9
Lower quartile	164	163	174	187	14.2
10 <sup>th</sup> percentile	99	114	119	135	36.6
<i>Milbank Quarterly</i>	22	18	52	54	148.0



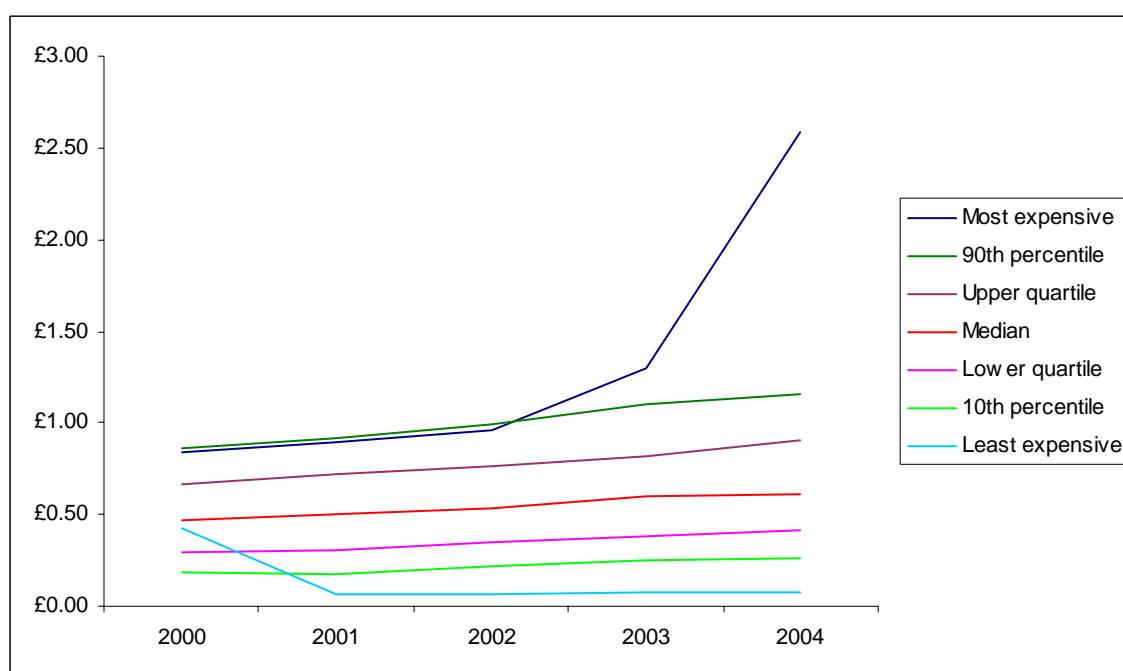
N.B. This graph has a logarithmic scale

There was a significant correlation between the impact factor and number of pages, of between 0.57 and 0.62 in each of the four years shown here. This shows evidence of a positive relationship, with journals with higher impact factors tending to have more pages.

## 3.2.6 Price per page, biomedical titles (£)

Total no. of titles included: 359

	2000	2001	2002	2003	2004	% change 2000-04
<i>Parasite Immunology : Premium - Internet</i>	0.84	0.90	0.96	1.30	2.58	208.2
90 <sup>th</sup> percentile	0.86	0.92	0.99	1.10	1.16	35.0
Upper quartile	0.66	0.72	0.76	0.82	0.91	38.5
Median	0.47	0.50	0.53	0.60	0.61	31.2
Lower quartile	0.29	0.31	0.35	0.38	0.42	42.5
10th percentile	0.19	0.18	0.22	0.25	0.26	36.3
<i>Ecological Research</i>	0.43	0.07	0.07	0.08	0.08	-80.6



An increase of more than 700% in the number of pages between 2000 and 2001 led to the large drop in the price per page of *Ecological Research*. In contrast, a decrease of 42% in the number of pages, combined with an increase of 15% in the price of *Parasite Immunology* led to the large jump between 2003-2004 in the price per page.

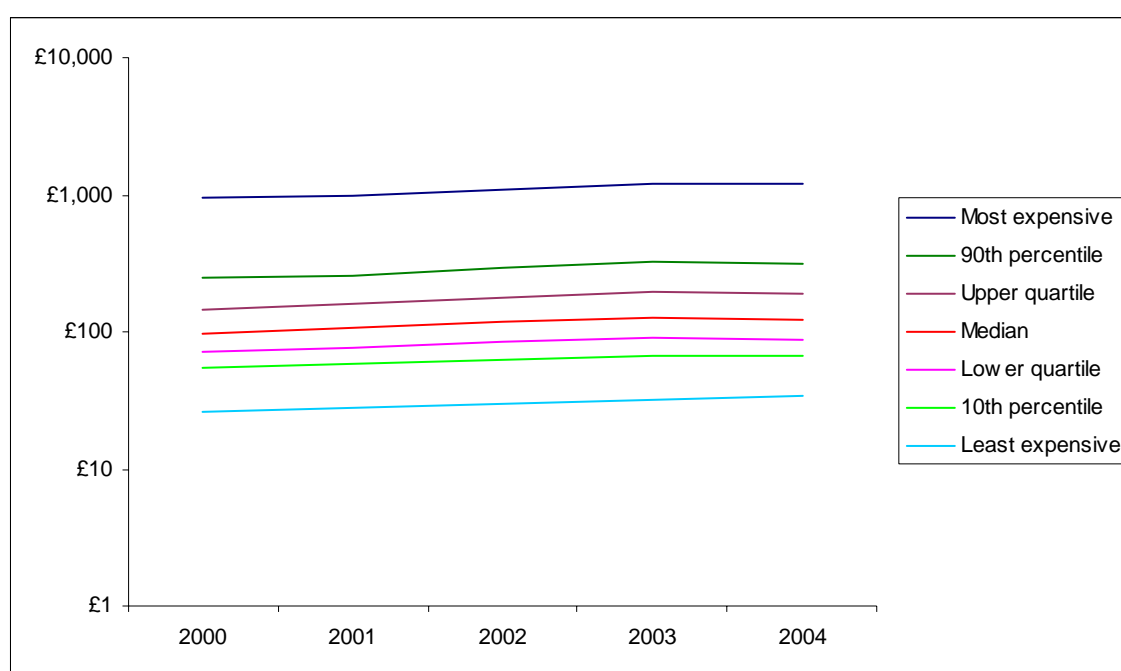
The correlation between the number of pages and total price was between 0.69 and 0.72 in each of the five years considered here. This shows strong evidence of a positive relationship, with larger journals tending to be more expensive.

### 3.3 Cambridge University Press

#### 3.3.1 Overall journal prices (£)

Total no. of titles included: 143

	2000	2001	2002	2003	2004	% change 2000-04
<i>Journal of Fluid Mechanics</i>	948	998	1096	1196	1184	24.9
90th percentile	247	260	297	323	312	26.2
Upper quartile	144	161	179	193	191	32.6
Median	98	106	118	125	124	26.5
Lower quartile	71	76	84	90	88	23.9
10th percentile	54	58	63	67	67	24.4
<i>Field Mycology</i>	26	28	30	32	34	30.8



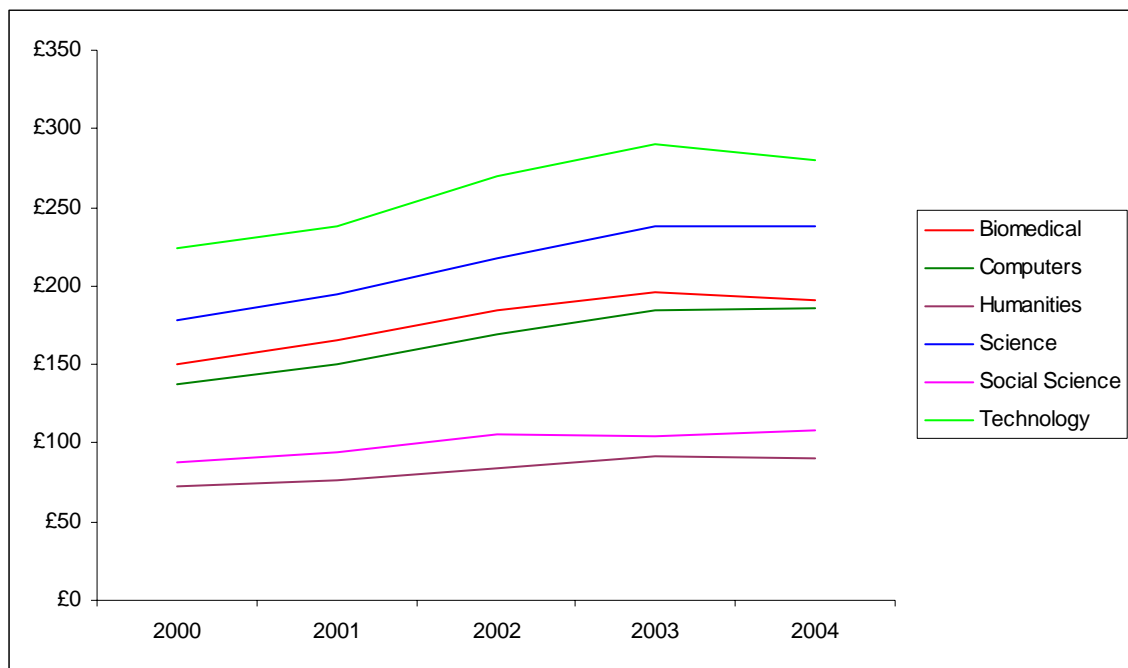
#### Percentage increases 2000-2004

	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>Journal of Biosocial Science</i>	7.9	12.5	8.3	24.8	64.0
90 <sup>th</sup> percentile	12.7	13.9	9.7	4.5	40.1
Upper quartile	9.4	12.5	9.1	0.0	32.5
Median	7.3	11.6	8.3	-1.3	27.5
Lower quartile	5.2	9.2	6.6	-2.4	23.6
10th percentile	1.8	6.6	5.2	-4.4	16.7
<i>Archaeological Dialogues</i>	0.0	-52.2	15.6	-10.0	-50.2

## 3.3.2 Median journal prices by subject (£)

Total no. of titles included: 143

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	30	150	166	185	196	191	27.8
Computers	5	138	150	169	184	186	34.8
Humanities	53	72	76	84	92	91	26.4
Science	21	178	195	218	238	238	33.7
Social Science	29	88	94	106	104	108	22.7
Technology	5	224	238	270	290	280	25.0



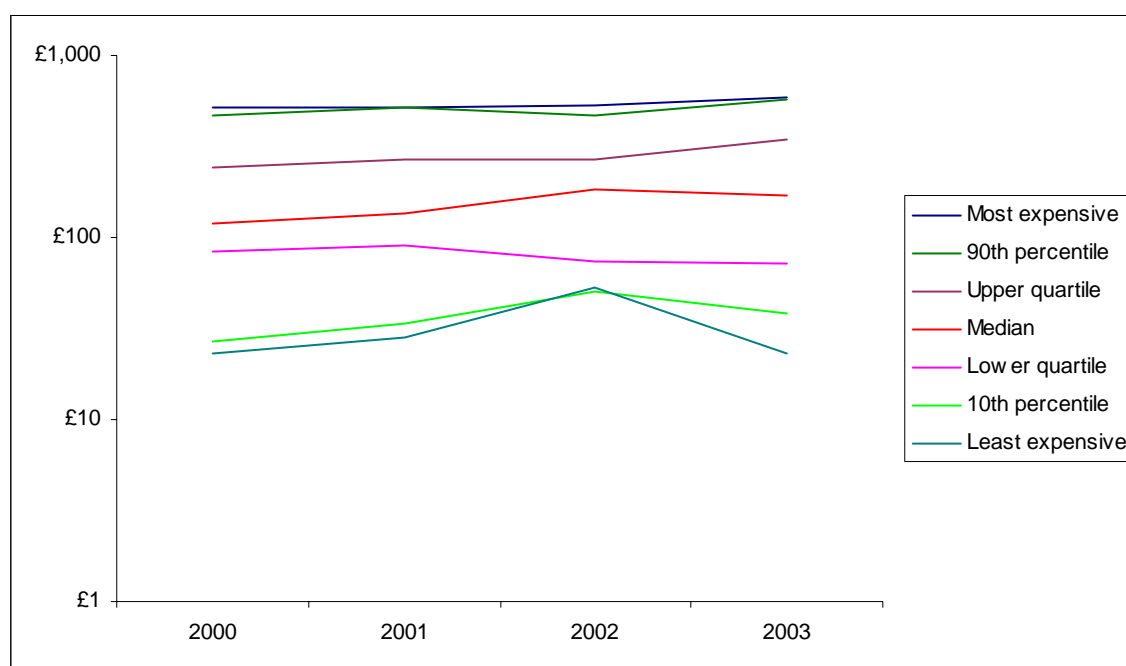
## Median percentage increases 2000-2004

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	30	7.6	11.8	8.5	-1.3
Computers	5	8.7	12.7	8.9	-1.2
Humanities	53	5.9	11.9	8.3	-1.3
Science	21	8.6	9.8	8.6	-1.0
Social Science	29	7.9	11.6	7.4	-1.1
Technology	5	6.3	11.7	7.6	-3.4

## 3.3.3 Price per impact factor, biomedical titles 2000-2003 (£)

Total no. of titles included: 12

	2000	2001	2002	2003	% change 2000-03
<i>Journal of Zoology</i>	514	522	538	585	13.8
90 <sup>th</sup> percentile	472	514	474	574	21.6
Upper quartile	241	270	267	342	41.7
Median	119	135	185	171	43.7
Lower quartile	84	91	74	72	-13.6
10th percentile	27	33	50	38	42.5
<i>Quarterly Reviews of Biophysics</i>	23	28	53	23	1.0

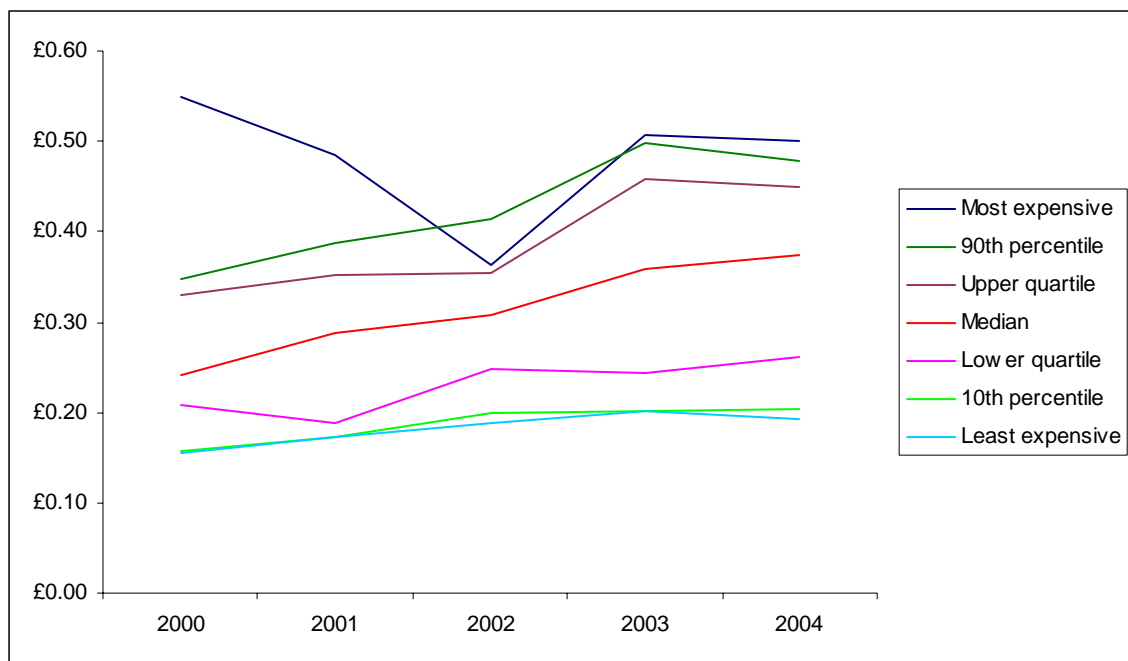


N.B. This graph has a logarithmic scale

## 3.3.4 Price per page, biomedical titles (£)

Total no. of titles included: 12

	2000	2001	2002	2003	2004	% change 2000-04
<i>Quarterly Reviews of Biophysics</i>	0.55	0.49	0.36	0.51	0.50	-8.6
90 <sup>th</sup> percentile	0.35	0.39	0.41	0.50	0.48	38.2
Upper quartile	0.33	0.35	0.35	0.46	0.45	36.6
Median	0.24	0.29	0.31	0.36	0.38	56.0
Lower quartile	0.21	0.19	0.25	0.24	0.26	25.5
10 <sup>th</sup> percentile	0.16	0.17	0.20	0.20	0.20	29.3
<i>Developmental Medicine and Child Neurology</i>	0.16	0.17	0.19	0.20	0.19	23.1



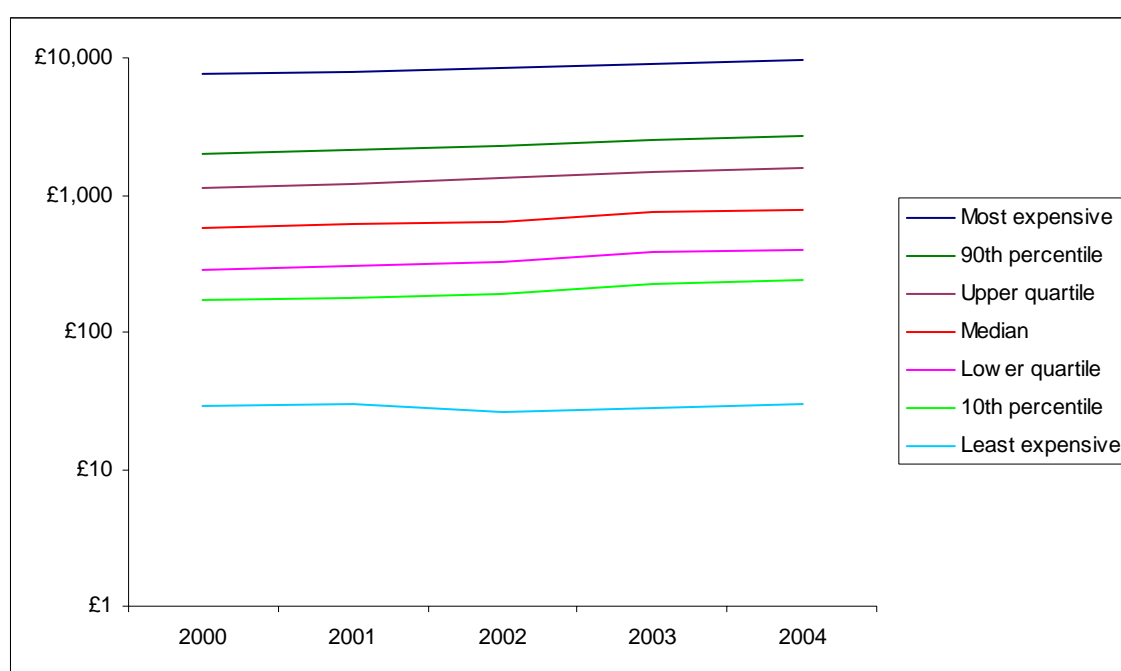
A 50% increase between 2001 and 2002 in the number of pages published, accompanied only by a 12% increase in price, led to the drop in price per page of *Quarterly Reviews of Biophysics* in 2002.

### 3.4 Elsevier

#### 3.4.1 Overall journal prices (£)

Total no. of titles included: 1,439

	2000	2001	2002	2003	2004	% change 2000-04
<i>Nuclear Physics – Section B</i>	7,672	7,916	8,389	9,064	9,546	24.4
90 <sup>th</sup> percentile	2,010	2,153	2,314	2,546	2,681	33.4
Upper quartile	1,125	1,221	1,320	1,472	1,549	37.7
Median	575	612	643	739	781	36.0
Lower quartile	284	304	329	378	403	42.1
10th percentile	170	180	192	225	239	40.6
<i>RBM News – Revue Europeene de Technologie Biomedicale</i>	29	30	26	28	30	3.1



N.B. This graph has a logarithmic scale

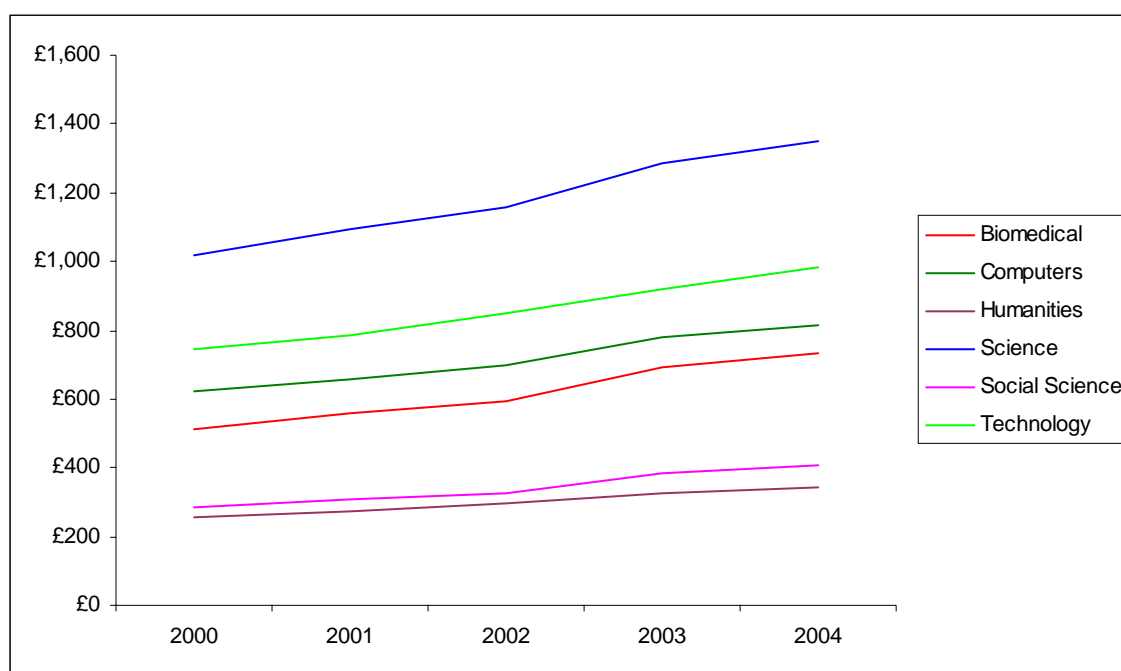
#### Percentage increases 2000-2004

	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>International Journal of Applied Earth Observation and Geoinformation</i>	-0.8	267.3	7.6	5.1	312.3
90 <sup>th</sup> percentile	12.9	10.6	24.9	7.8	68.1
Upper quartile	8.1	6.6	9.0	5.4	41.0
Median	5.9	6.5	7.5	5.3	27.8
Lower quartile	5.9	6.5	7.5	5.3	27.7
10th percentile	5.2	6.4	7.3	5.3	27.1
<i>Economic Systems</i>	-55.2	6.6	7.6	5.4	-45.8

## 3.4.2 Median journal prices by subject (£)

Total no. of titles included: 1,439

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	589	514	558	594	694	731	42.2
Computers	93	624	657	699	782	813	30.2
Humanities	28	254	276	294	328	346	36.2
Science	322	1,016	1,093	1,158	1,288	1,349	32.7
Social Science	178	286	308	328	385	406	41.8
Technology	229	744	788	849	921	984	32.3



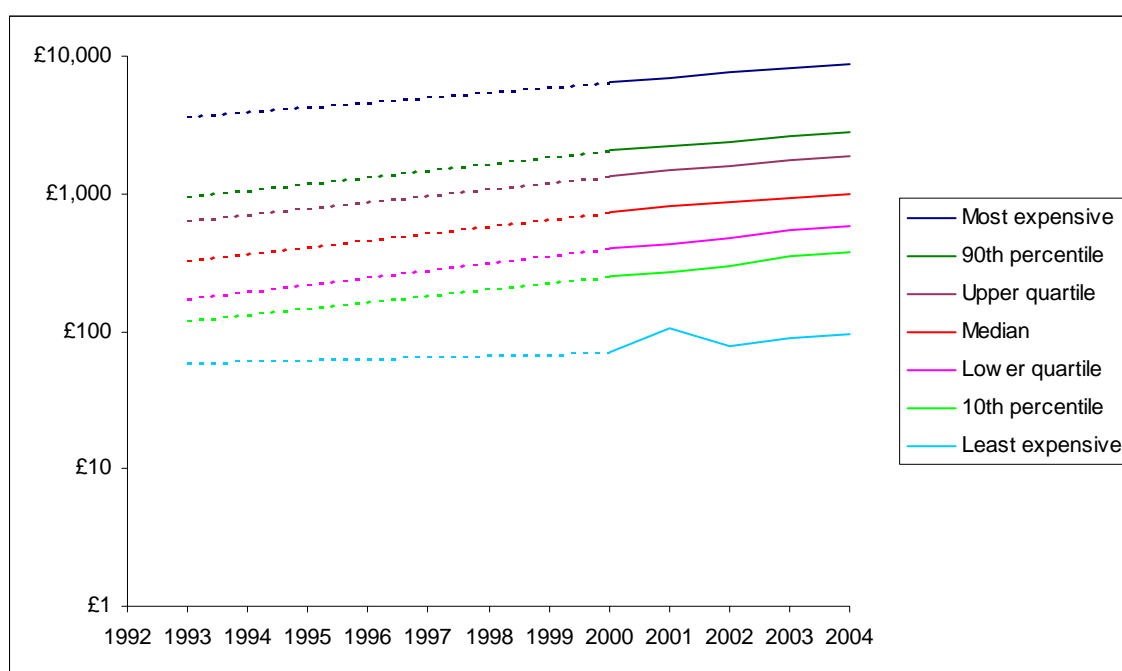
## Median percentage increases 2000-2004

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	589	5.9	6.5	7.6	5.3
Computers	93	5.9	6.5	7.5	5.3
Humanities	28	5.9	6.5	7.5	5.3
Science	322	5.9	6.5	7.5	5.3
Social Science	178	5.9	6.5	7.5	5.3
Technology	229	5.9	6.5	7.5	5.3

## 3.4.3 Biomedical journal prices (£)

Total no. of titles included: 358

	1993	2000	2001	2002	2003	2004	% change 1993-04
<i>Excerpta Medica - Adverse Reactions Titles</i>	3,612	6,399	6,920	7,543	8,222	8,863	145.4
90 <sup>th</sup> percentile	957	2,067	2,223	2,367	2,642	2,811	193.9
Upper quartile	632	1,361	1,462	1,588	1,756	1,855	193.6
Median	327	745	801	856	933	991	203.1
Lower quartile	176	397	434	474	543	573	225.9
10th percentile	122	250	271	296	353	372	205.7
<i>Option Bio</i>	60	71	105	79	90	96	60.4



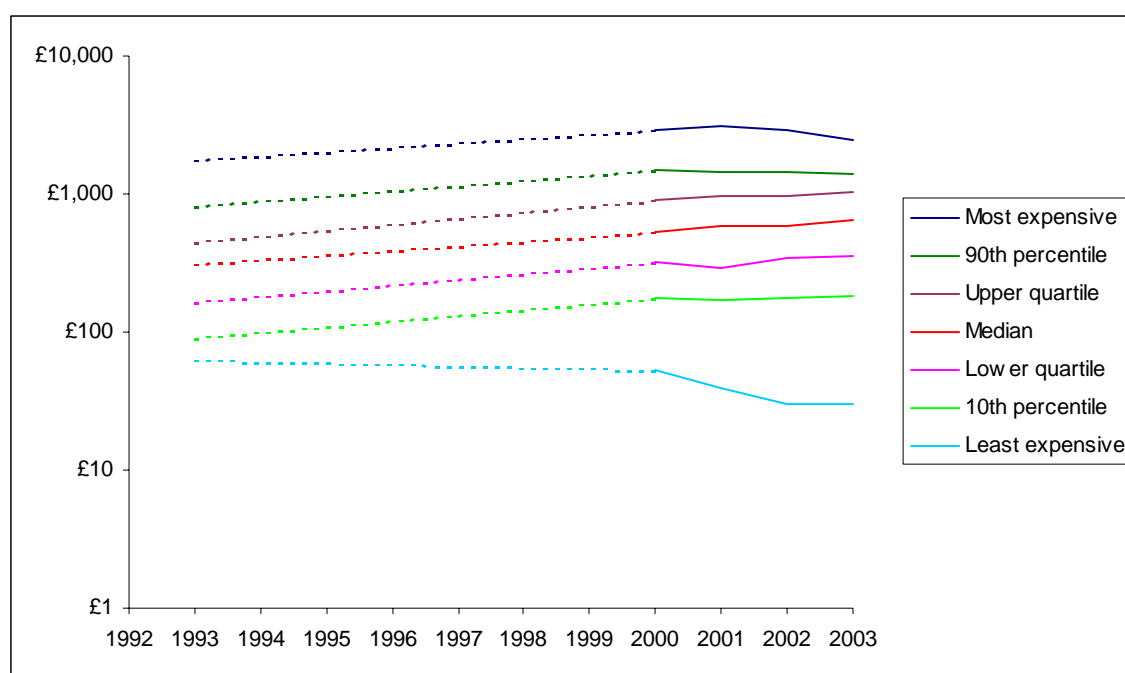
## Percentage increases 1993-2004

	% change 1993-2000	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 1993-04
<i>Colloids and Surfaces – B</i>						
– <i>Biointerfaces</i>	368.8	19.1	15.1	24.9	5.4	745.3
90th percentile	206.3	10.3	9.0	51.7	7.8	336.2
Upper quartile	145.4	8.1	6.7	9.0	5.5	261.7
Median	111.5	5.9	6.5	7.5	5.3	190.8
Lower quartile	81.6	5.9	6.5	7.5	5.3	150.1
10th percentile	61.0	5.9	6.5	7.5	5.3	107.5
<i>Journal of Hepatology</i>	-23.5	1.9	0.1	5.1	3.8	-14.8

## 3.4.4 Price per impact factor, biomedical titles 1993-2003 (£)

Total no. of titles included: 206

	1993	2000	2001	2002	2003	% change 1993-03
<i>Comparative Biochemistry and Physiology - A</i>	1,769	2,863	3,145	2,883	2,496	41.1
90 <sup>th</sup> percentile	805	1,483	1,464	1,440	1,415	75.7
Upper quartile	446	909	977	956	1,019	128.4
Median	309	538	581	579	638	106.3
Lower quartile	164	326	290	339	351	114.4
10th percentile	91	175	173	175	184	102.6
<i>FEMS Microbiology Reviews</i>	62	53	40	30	30	-51.7

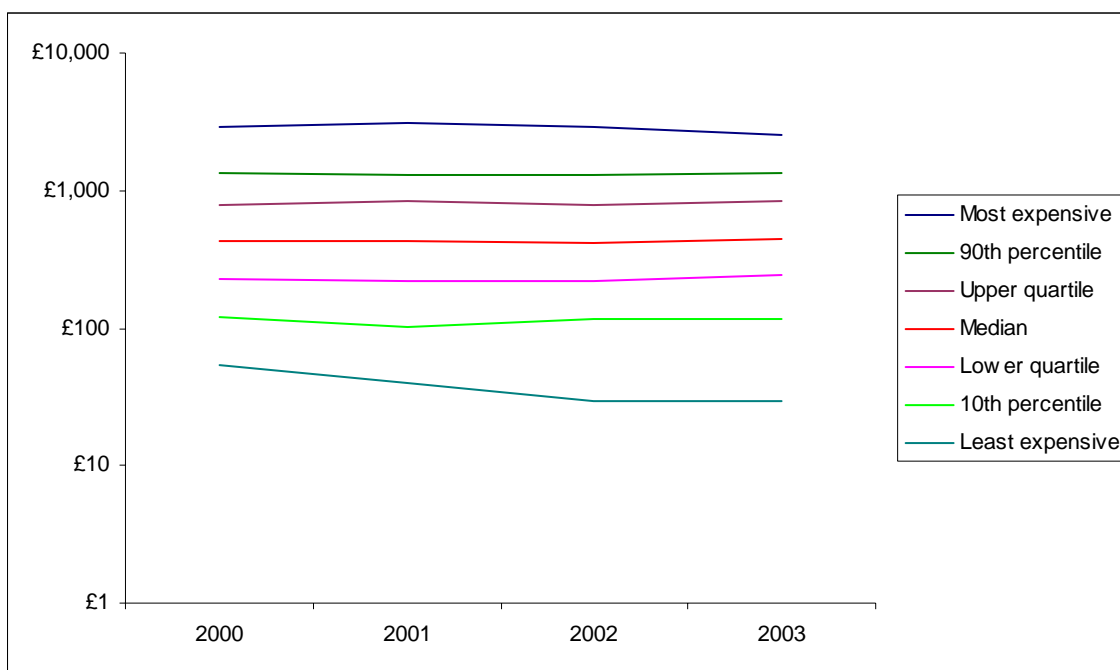


N.B. This graph has a logarithmic scale

3.4.5 Price per impact factor, biomedical titles 2000-2003 (£)

Total no. of titles included: 334

	2000	2001	2002	2003	% change 2000-03
<i>Comparative Biochemistry and Physiology - A</i>	2,863	3,145	2,883	2,496	-12.8
90 <sup>th</sup> percentile	1,325	1,310	1,293	1,331	0.4
Upper quartile	795	831	784	833	4.8
Median	432	431	415	448	3.7
Lower quartile	231	220	222	242	4.9
10th percentile	121	103	118	116	-4.3
<i>FEMS Microbiology Reviews</i>	53	40	30	30	-43.8

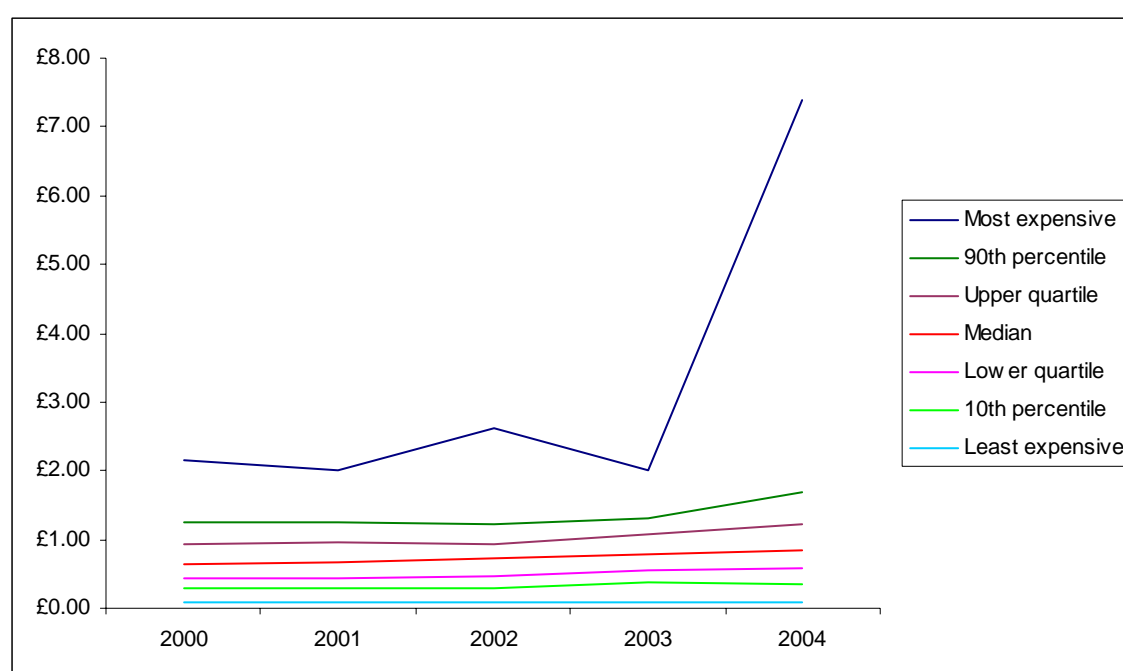


N.B. This graph has a logarithmic scale

## 3.4.6 Price per page, biomedical titles (£)

Total no. of titles included: 338

	2000	2001	2002	2003	2004	% change 2000-04
<i>Prostaglandins Leukotrienes and Essential Fatty Acids</i>	2.14	2.02	2.61	2.00	7.40	245.5
90 <sup>th</sup> percentile	1.25	1.26	1.21	1.31	1.68	33.6
Upper quartile	0.93	0.96	0.94	1.08	1.23	32.4
Median	0.65	0.67	0.72	0.78	0.85	31.9
Lower quartile	0.43	0.45	0.46	0.55	0.57	33.1
10th percentile	0.29	0.30	0.30	0.37	0.36	22.9
<i>Fertility and Sterility</i>	0.09	0.10	0.10	0.10	0.10	5.0



Note that *Prostaglandins, Leukotrienes and Essential Fatty Acids* appears to have had its number of issues halved from twelve to six in 2003 which accounts for the sudden increase in the price per page.

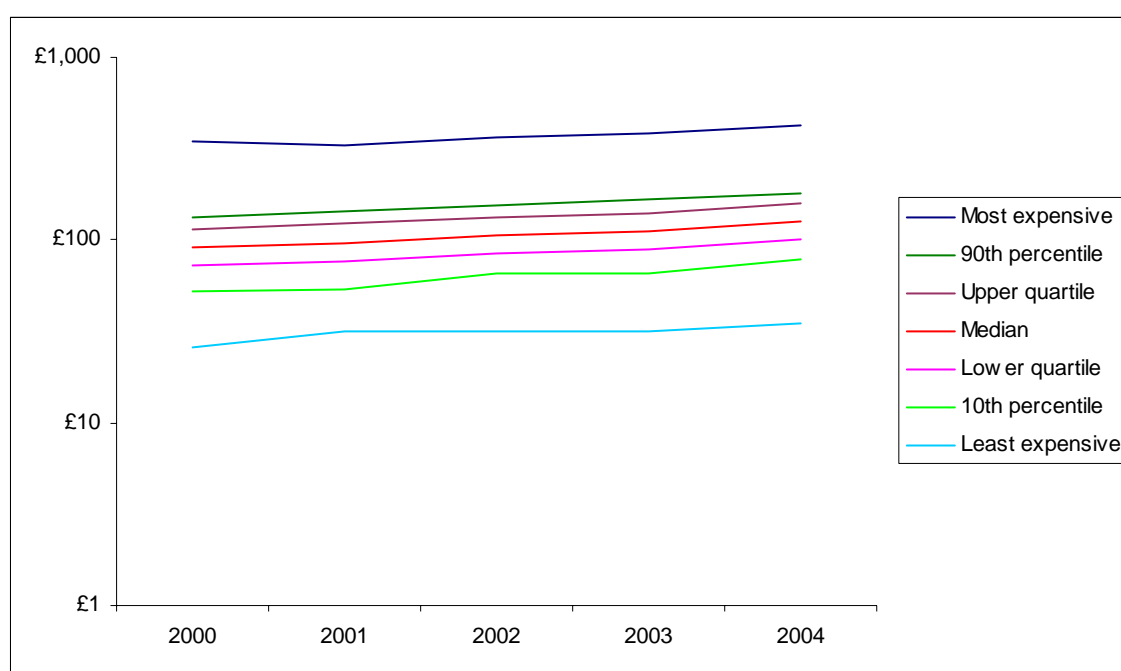
The correlation of the number of pages with price was between 0.67 and 0.72 in each of the five years considered here. This shows strong evidence of a positive relationship between the number of pages and price, with higher prices associated with a higher number of pages.

### 3.5 Johns Hopkins University Press

#### 3.5.1 Overall journal prices (£)

Total no. of titles included: 168

	2000	2001	2002	2003	2004	% change 2000-04
<i>Middle Eastern Studies</i>	347	333	362	383	425	22.6
90 <sup>th</sup> percentile	132	142	153	165	178	35.1
Upper quartile	113	122	132	139	157	38.4
Median	91	97	105	112	127	39.5
Lower quartile	72	77	84	90	100	38.8
10th percentile	53	54	65	65	78	48.4
<i>Buddhist Christian Studies – Internet</i>	26	32	32	32	35	33.3



N.B. This graph has a logarithmic scale

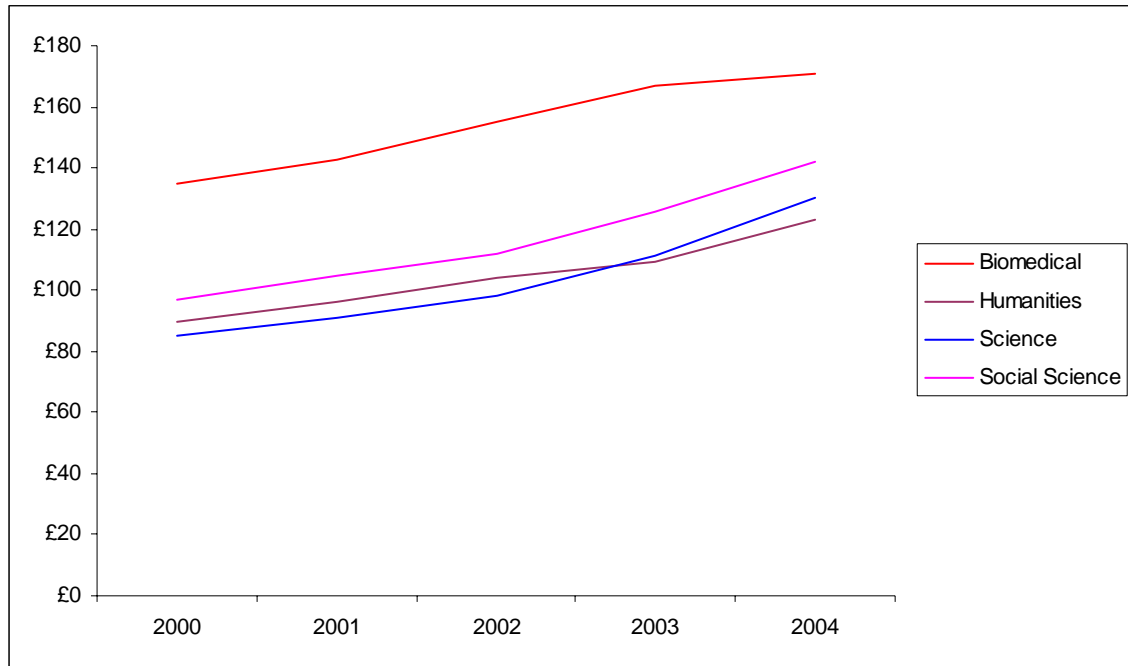
#### Percentage increases 2000-2004

	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>Journal of College Student Development</i>	54.5	0.0	57.6	4.2	153.8
90 <sup>th</sup> percentile	20.0	10.0	9.0	21.1	58.5
Upper quartile	7.7	8.8	7.8	16.7	44.1
Median	6.8	7.4	5.5	12.0	35.5
Lower quartile	6.1	6.1	3.9	6.4	28.9
10th percentile	0.0	3.1	0.0	3.7	23.0
<i>ICISD Review – Foreign Investment Law Journal</i>	0.0	3.1	0.0	1.7	4.9

## 3.5.2 Median journal prices by subject (£)

Total no. of titles included: 168

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	7	135	143	155	167	171	26.9
Humanities	118	90	96	104	109	123	36.8
Science	13	85	91	98	111	130	53.8
Social Science	30	97	105	112	126	142	46.6



## Median percentage increases 2000-2004

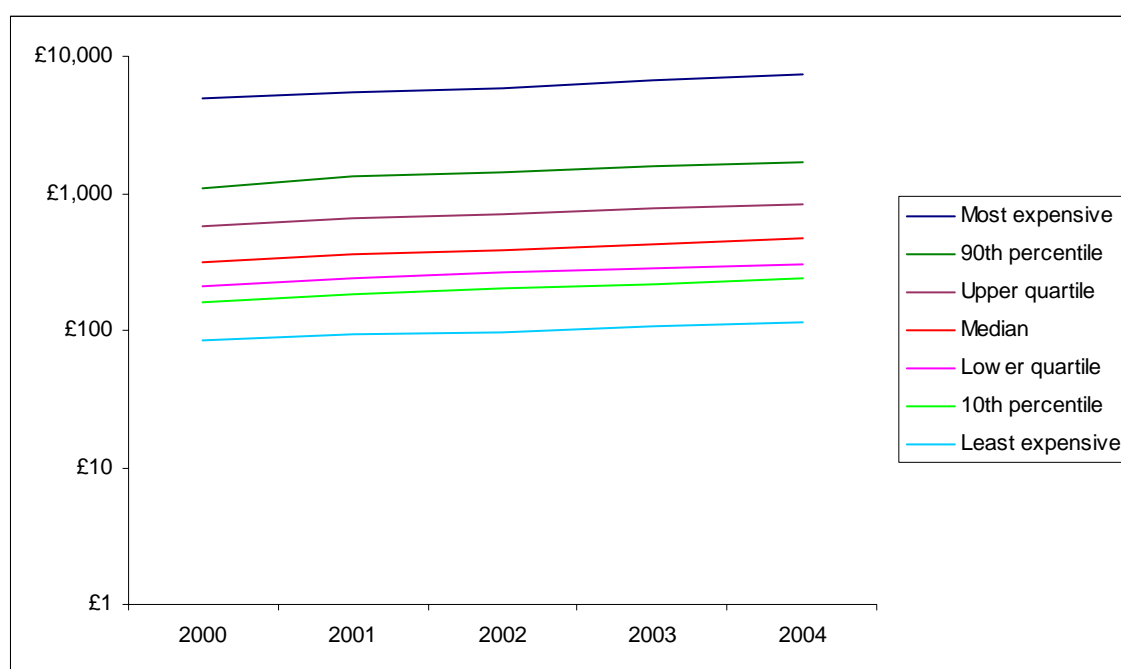
	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	7	6.3	7.6	8.0	11.1
Humanities	118	6.7	7.4	5.5	11.9
Science	13	6.5	6.1	4.5	14.3
Social Science	30	7.0	8.0	5.5	12.7

### 3.6 Kluwer

#### 3.6.1 Overall journal prices (£)

Total no. of titles included: 1,073

	2000	2001	2002	2003	2004	% change 2000-04
<i>Journal of Materials Science: Internet</i>	4,892	5,384	5,868	6,748	7,389	51.0
90 <sup>th</sup> percentile	1,075	1,313	1,438	1,554	1,676	55.8
Upper quartile	582	649	710	767	834	43.4
Median	312	361	390	424	464	48.8
Lower quartile	213	240	261	282	308	44.7
10th percentile	159	185	202	218	237	49.5
<i>Foundations of Chemistry</i>	84	93	98	106	113	35.6



N.B. This graph has a logarithmic scale

#### Percentage increases 2000-2004

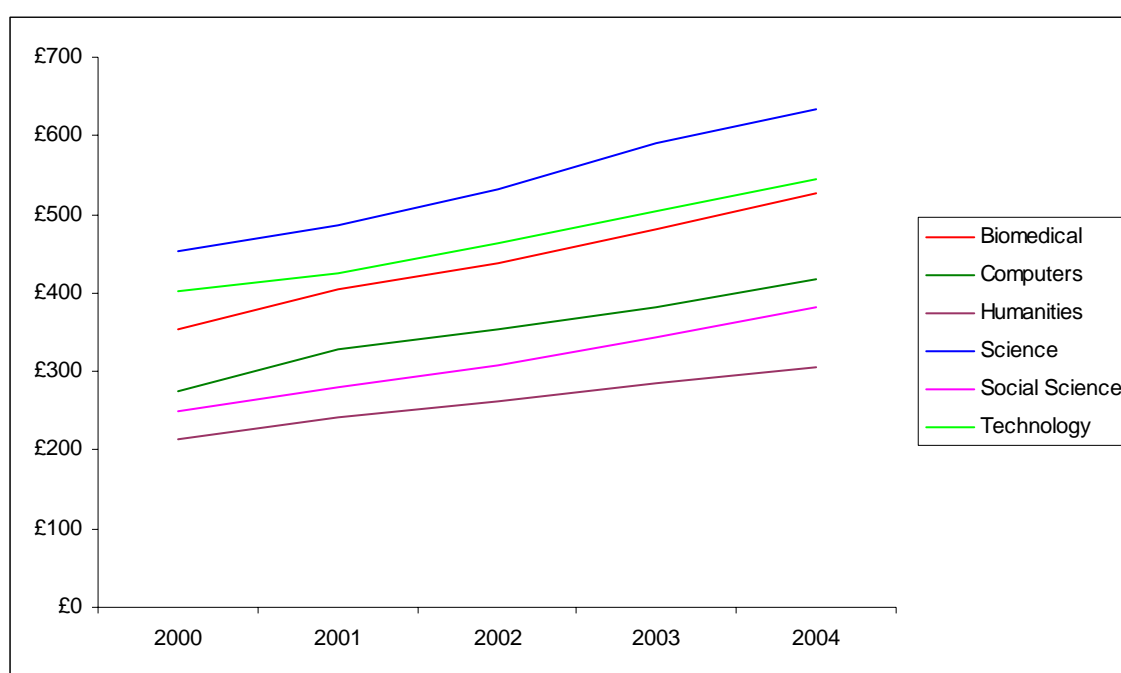
	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>Fire Technology</i>	203.6	8.9	8.2	25.2	347.5
90 <sup>th</sup> percentile	25.3	10.0	9.9	12.1	70.5
Upper quartile	19.8	9.1	8.2	7.6	57.9
Median	11.0	9.0	8.0	7.5	42.2
Lower quartile	10.0	8.9	8.0	7.5	39.2
10th percentile	5.9	6.3	7.8	7.4	30.8
<i>Foundations of Physics Letters : Internet</i>	-49.5	9.9	8.0	8.9	-33.7

It has not proved possible to cross-check the pricing data for *Fire Technology*, so these figures should be treated with caution. *Foundations of Physics Letters: Internet* was a new journal in 2000.

## 3.6.2 Median journal prices by subject (£)

Total no. of titles included: 1,073

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	324	353	404	439	481	527	49.3
Computers	107	274	328	354	382	417	52.4
Humanities	94	215	241	263	285	306	42.6
Science	218	454	486	531	590	635	40.0
Social Science	219	249	281	307	344	383	53.6
Technology	111	402	424	463	504	544	35.2



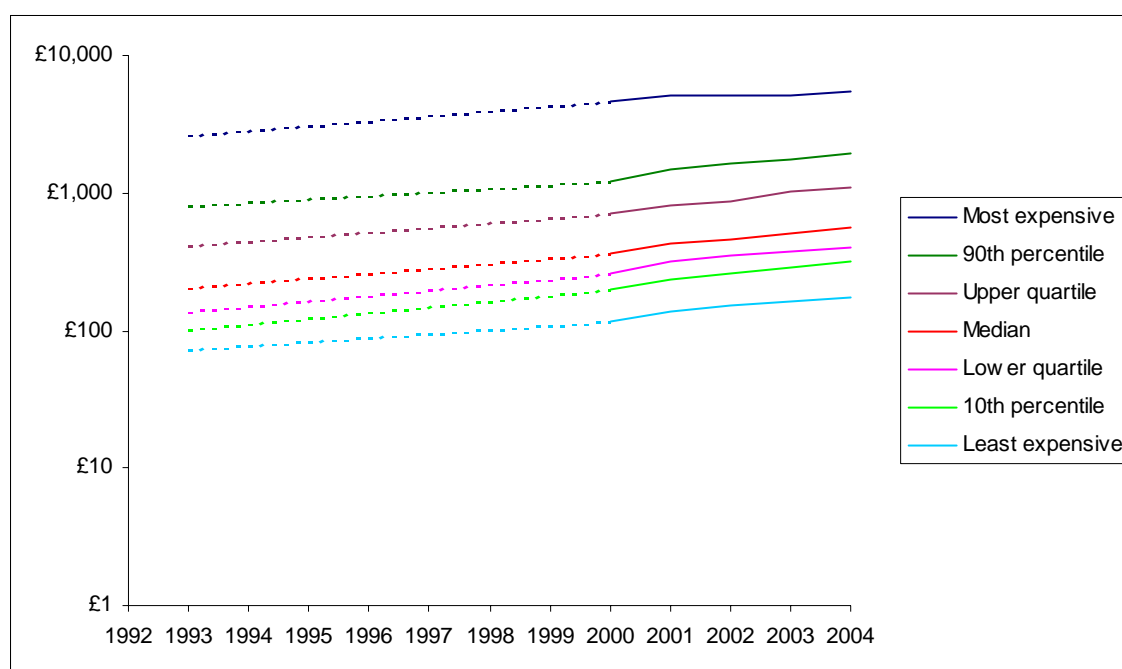
## Median percentage increases 2000-2004

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	324	12.0	9.0	8.0	7.5
Computers	107	10.3	9.0	8.0	7.5
Humanities	94	11.0	9.0	8.1	7.5
Science	218	11.1	9.0	8.0	7.5
Social Science	219	10.9	9.0	8.0	7.5
Technology	111	13.8	9.0	8.1	7.5

## 3.6.3 Biomedical journal prices (£)

Total no. of titles included: 93

	1993	2000	2001	2002	2003	2004	% change 1993-04
<i>Hydrobiologia</i>	2,645	4,638	5,104	5,104	5,104	5,516	108.5
90 <sup>th</sup> percentile	800	1,227	1,493	1,628	1,772	1,912	139.1
Upper quartile	414	719	805	878	1,023	1,100	165.6
Median	207	358	424	466	513	556	168.7
Lower quartile	137	263	315	346	374	402	194.6
10th percentile	102	197	236	257	288	321	213.9
<i>HEC Forum</i>	73	117	137	150	162	174	139.1



N.B. This graph has a logarithmic scale

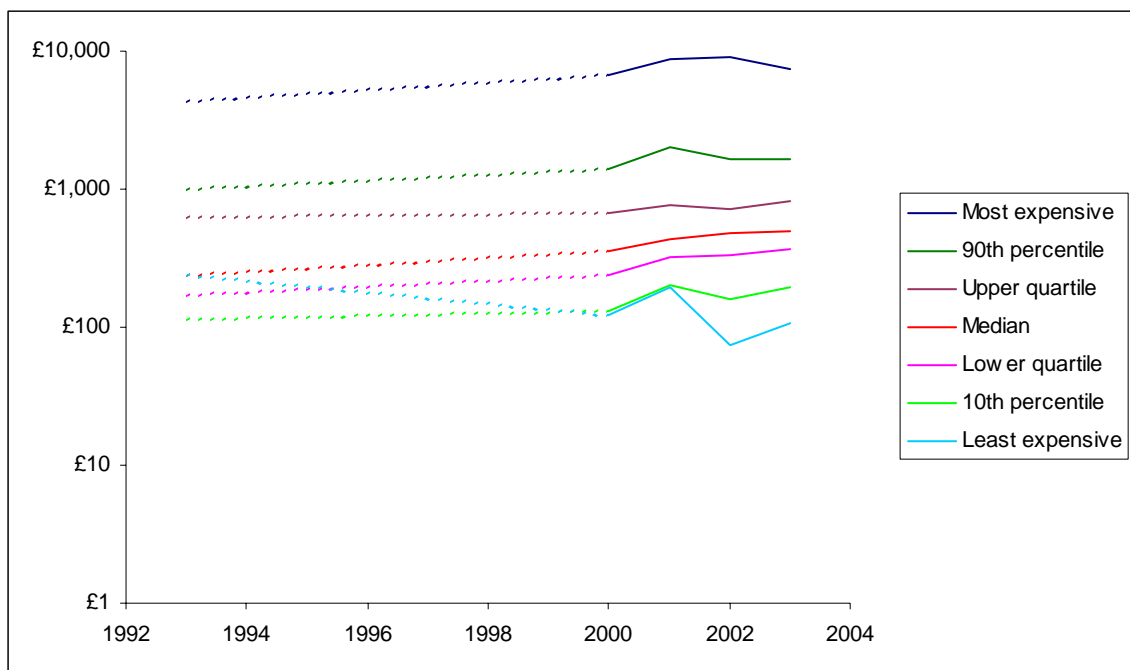
## Percentage increases 1993-2004

	% change 1993-2000	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 1993-04
<i>Journal of Genetic Counselling</i>	199.3	22.4	9.1	8.0	12.1	383.7
90 <sup>th</sup> percentile	118.3	33.5	10.8	9.7	12.1	243.2
Upper quartile	92.6	21.8	9.5	8.1	7.6	195.1
Median	70.2	19.4	9.0	8.0	7.5	156.3
Lower quartile	50.6	11.9	9.0	8.0	7.5	139.6
10th percentile	45.9	10.3	8.9	7.9	7.4	119.0
<i>Mycopathologia</i>	66.7	-26.3	0.0	8.0	7.3	42.4

3.6.4 Price per impact factor, biomedical titles 1993-2003 (£)

Total no. of titles included: 35

	1993	2000	2001	2002	2003	% change 1993-03
<i>Hydrobiologia</i>	4,301	6,597	8,770	8,971	7,355	71.0
90 <sup>th</sup> percentile	991	1,400	1,985	1,640	1,672	68.7
Upper quartile	633	671	756	710	806	27.2
Median	236	361	428	474	501	112.1
Lower quartile	168	235	317	337	370	120.4
10th percentile	116	131	201	159	197	70.1
<i>Investigational New Drugs - Journal of Anti Cancer Agents</i>	238	123	195	73	107	-55.2

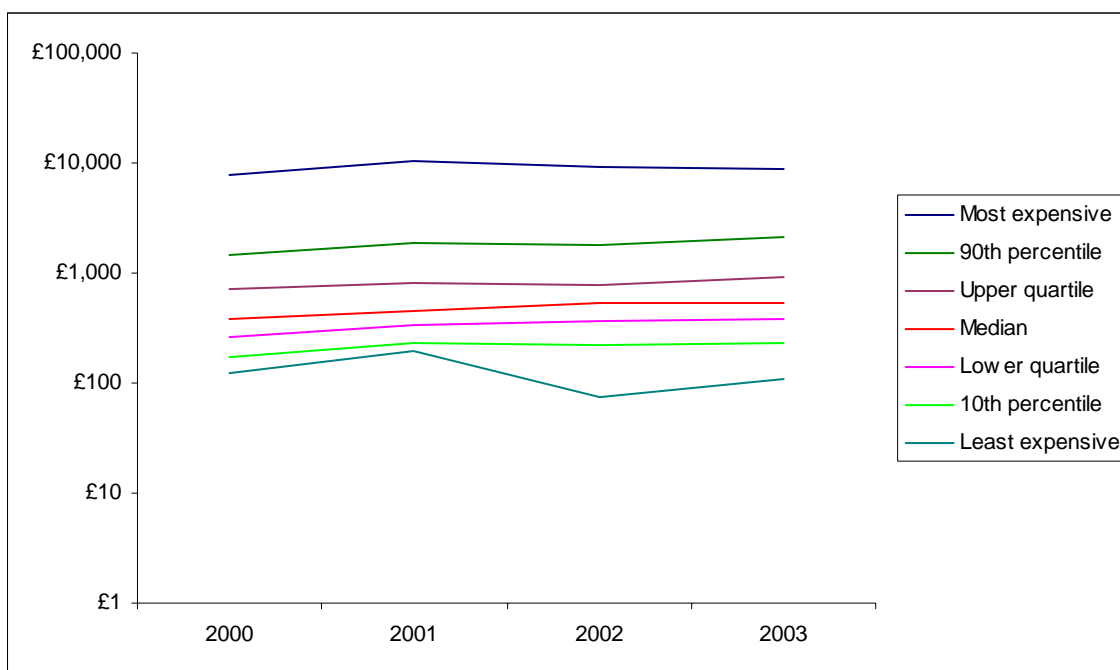


N.B. This graph has a logarithmic scale

3.6.5 Price per impact factor, biomedical titles 2000-2003 (£)

Total no. of titles included: 133

	2000	2001	2002	2003	% change 2000-03
<i>Hydrobiologia : Internet</i>	7,752	10,305	9,101	8,642	11.5
90 <sup>th</sup> percentile	1,482	1,866	1,832	2,132	43.9
Upper quartile	723	801	776	929	28.5
Median	385	448	527	525	36.3
Lower quartile	257	338	364	379	47.7
10th percentile	171	227	222	234	36.6
<i>Investigational New Drugs - Journal of Anti Cancer Agents</i>	123	195	73	107	-13.5

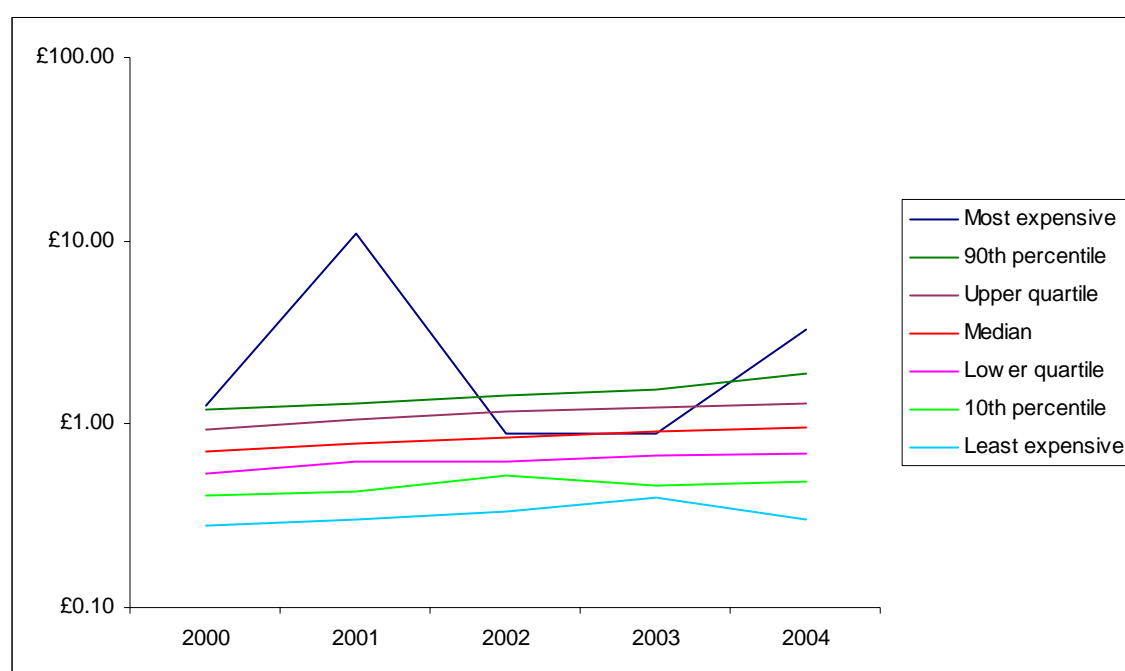


N.B. This graph has a logarithmic scale

## 3.6.6 Price per page, biomedical titles (£)

Total no. of titles included: 133

	2000	2001	2002	2003	2004	% change 2000-04
<i>Mycopathologia : Internet</i>	1.25	10.98	0.90	0.88	3.27	161.4
90 <sup>th</sup> percentile	1.20	1.30	1.45	1.53	1.87	56.1
Upper quartile	0.94	1.05	1.18	1.23	1.30	39.1
Median	0.71	0.79	0.84	0.92	0.96	35.0
Lower quartile	0.54	0.62	0.63	0.68	0.69	28.1
10th percentile	0.41	0.43	0.52	0.46	0.49	21.1
<i>Japanese Heart Journal</i>	0.28	0.30	0.33	0.40	0.30	6.0

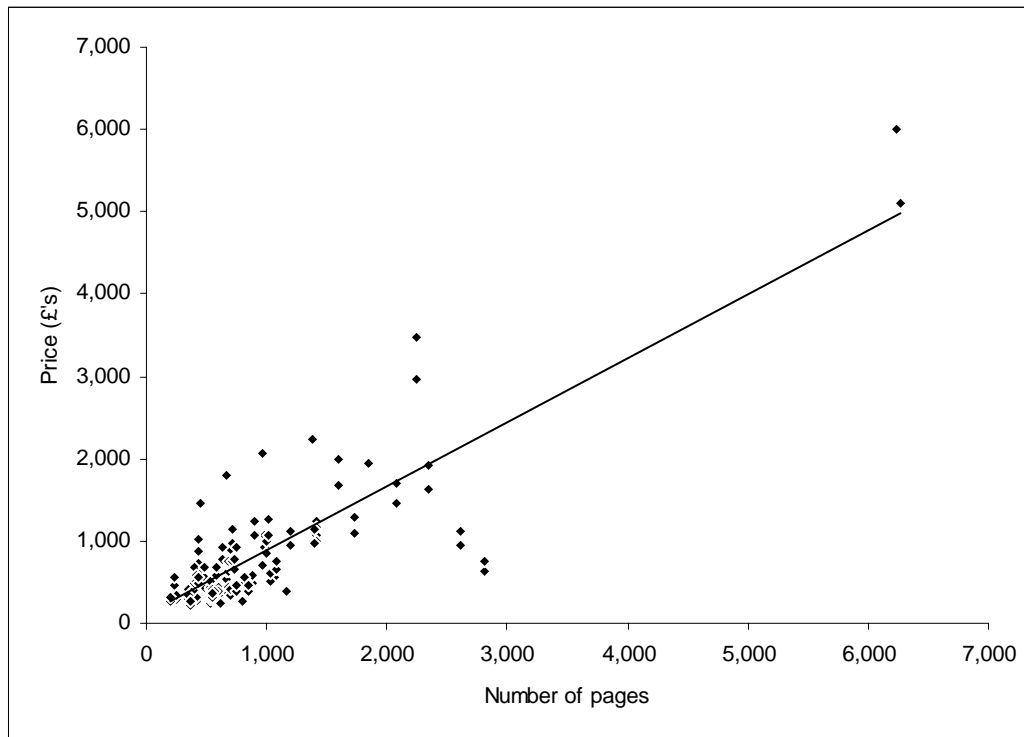


N.B. This graph has a logarithmic scale

There was only one issue of *Mycopathologia* in 2000.

The correlation of the number of pages with price was between 0.84 and 0.88 in each of the five years considered here. This shows very strong evidence of a positive relationship between the number of pages and price, with higher prices associated with a higher number of pages. This is illustrated in Fig 3.6.7 which shows a scatter plot of price versus the number of pages in 2002, where the correlation was 0.875, and illustrates the line of best fit.

### 3.6.7 Price against the number of pages (£) – 2002



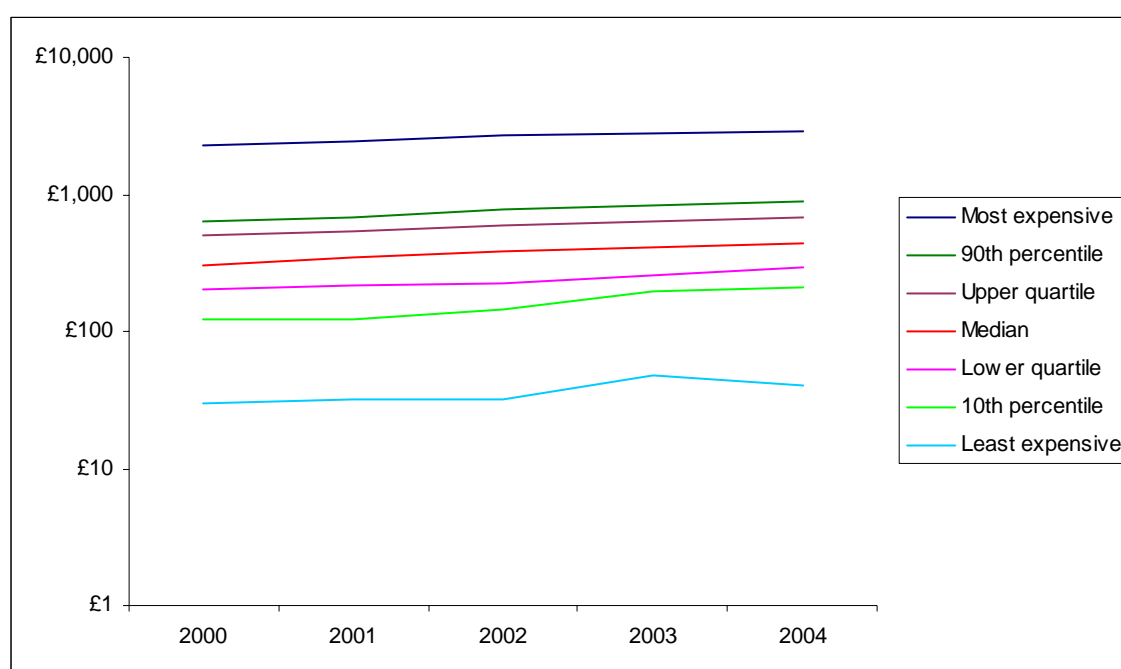
However, if we omit the two most expensive titles in each of the three years the correlation falls to between 0.62 and 0.67, and although this still illustrates some evidence of a relationship between the number of pages and the price of a journal, it does not indicate as strong a relationship as when the most expensive journals are included in the calculation.

### 3.7 Lippincott Williams & Wilkins

#### 3.7.1 Overall journal prices (£)

Total no. of titles included: 235

	2000	2001	2002	2003	2004	% change 2000-04
<i>NeuroReport</i>	2,245	2,406	2,671	2,808	2,920	30.1
90 <sup>th</sup> percentile	635	681	776	838	886	39.6
Upper quartile	494	541	592	639	686	38.9
Median	305	352	383	414	437	43.3
Lower quartile	201	214	221	259	289	43.8
10th percentile	124	124	146	199	209	68.4
<i>ASA Refresher Courses in Anesthesiology</i>	30	32	32	48	40	33.6



#### Percentage increases 2000-2004

	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>Orthopaedic Nursing Journal</i>	9.1	0.0	141.7	26.9	234.5
90 <sup>th</sup> percentile	16.5	16.3	21.2	11.6	76.9
Upper quartile	12.3	12.7	10.3	7.6	48.0
Median	11.1	10.7	8.3	6.8	42.5
Lower quartile	9.1	7.9	7.1	5.6	37.1
10th percentile	4.0	3.6	5.1	2.4	26.5
<i>Drugs in Pregnancy and Lactation</i>	12.8	28.6	-18.1	-31.8	-19.0

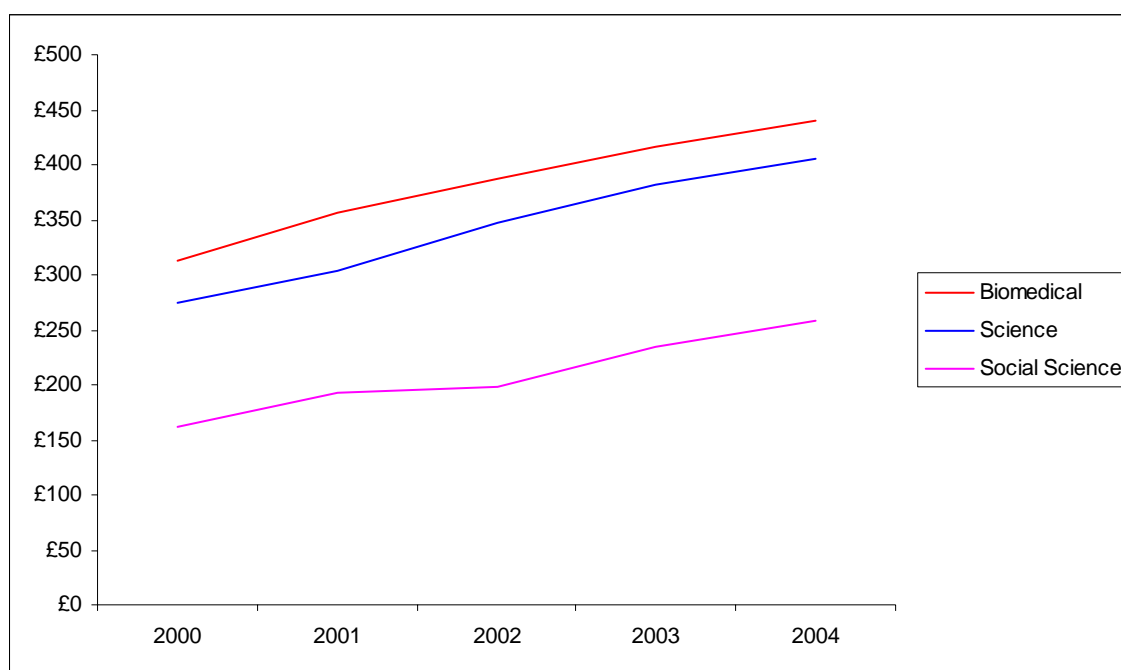
Note that *Drugs in Pregnancy and Lactation* is quoted as 'price varies per volume' in the printed Swets Blackwell catalogues.

**3.7.2 Median journal prices by subject (£)**

Total no. of titles included: 234

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	222	313	356	387	417	440	40.8
Science	8	274	303	347	381	406	48.3
Social Science	4	161	193	199	235	258	61.0

There is also one humanities title, omitted from this table.

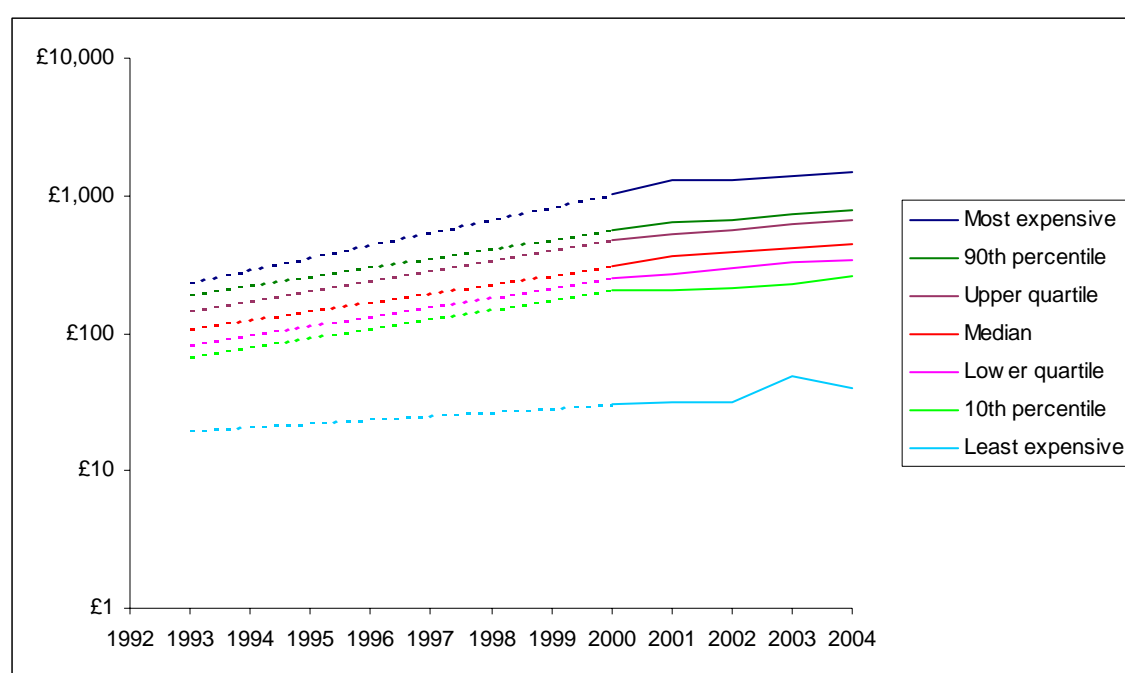
**Median percentage increases 2000-2004**

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	222	11.1	10.6	8.3	6.8
Science	8	10.6	11.2	9.0	6.9
Social Science	4	14.0	10.4	6.5	7.0

## 3.7.3 Biomedical journal prices (£)

Total no. of titles included: 53

	1993	2000	2001	2002	2003	2004	% change 1993-04
<i>Spine - Hagerstown</i>	234	1,034	1,285	1,285	1,398	1,492	537.8
90 <sup>th</sup> percentile	189	568	635	670	745	778	312.3
Upper quartile	147	480	522	570	622	659	347.4
Median	107	309	358	387	415	437	309.8
Lower quartile	83	248	270	301	326	339	310.2
10th percentile	67	206	208	215	229	264	291.5
<i>ASA Refresher Courses in Anesthesiology -</i>	20	30	32	32	48	40	100.4



N.B. This graph has a logarithmic scale

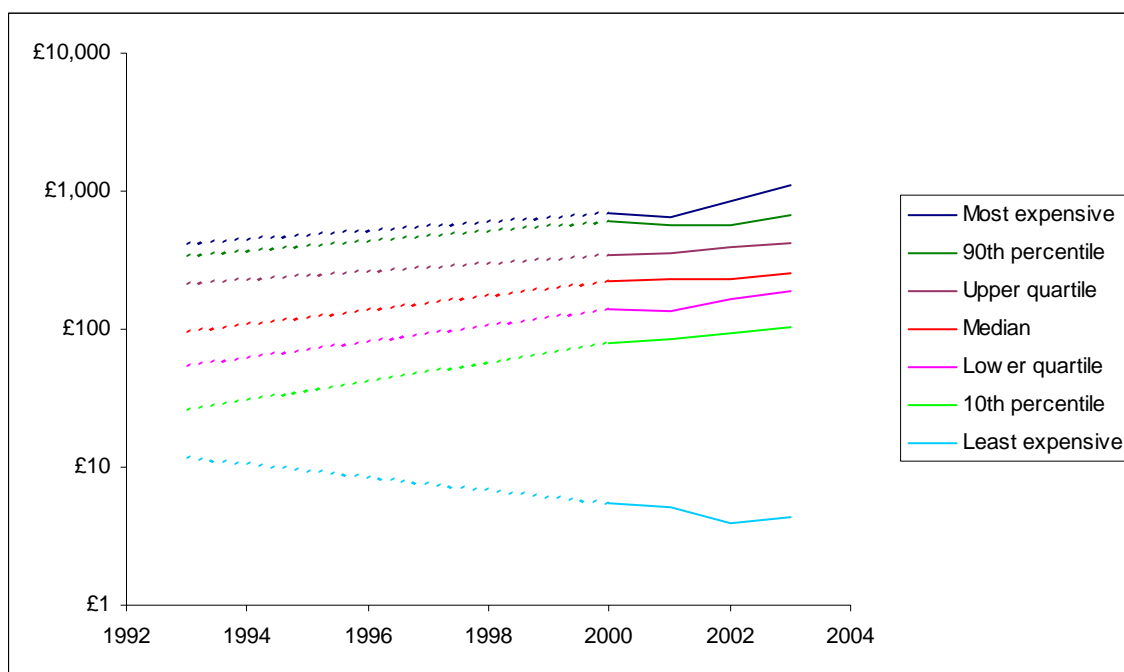
## Percentage increases 1993-2004

	% change 1993-2000	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 1993-04
<i>Spine - Hagerstown</i>	342.0	10.3	12.6	8.8	6.7	537.8
90 <sup>th</sup> percentile	244.0	13.0	13.0	11.7	10.3	391.3
Upper quartile	225.3	12.1	12.0	10.4	7.5	359.1
Median	192.3	10.8	10.7	8.8	6.7	319.5
Lower quartile	167.7	8.7	7.2	6.9	5.8	271.9
10th percentile	147.3	5.7	1.5	3.7	1.4	185.6
<i>ASA Refresher Courses in Anesthesiology -</i>	50.1	6.8	-0.2	50.2	-16.7	100.4

3.7.4 Price per impact factor, biomedical titles 1993-2003 (£)

Total no. of titles included: 29

	1993	2000	2001	2002	2003	% change 1993-03
<i>Annals of Plastic Surgery</i>	418	702	638	836	1,110	165.1
90 <sup>th</sup> percentile	341	616	566	559	665	94.9
Upper quartile	215	348	361	388	426	98.6
Median	96	223	228	234	258	169.8
Lower quartile	55	140	133	167	186	235.1
10th percentile	26	79	85	94	102	293.9
<i>Ca - a Cancer Journal for Clinicians</i>	12	6	5	4	4	-63.4

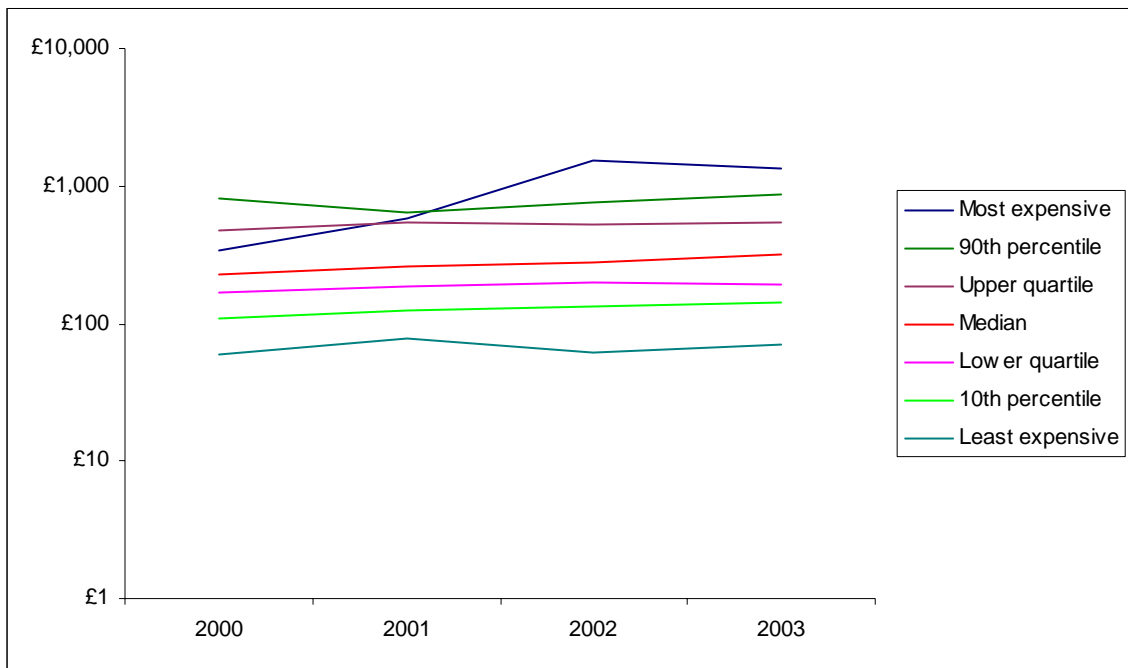


N.B. This graph has a logarithmic scale

3.7.5 Price per impact factor, biomedical titles 2000-2003 (£)

Total no. of titles included: 101

	2000	2001	2002	2003	% change 2000-03
<i>Neurosurgery Quarterly</i>	340	586	1,525	1,331	291.1
90 <sup>th</sup> percentile	825	634	759	879	6.6
Upper quartile	481	538	520	546	13.6
Median	230	256	276	321	39.2
Lower quartile	170	184	197	191	12.2
10th percentile	110	126	132	142	29.3
<i>Medicine - Baltimore</i>	59	77	62	70	19.5

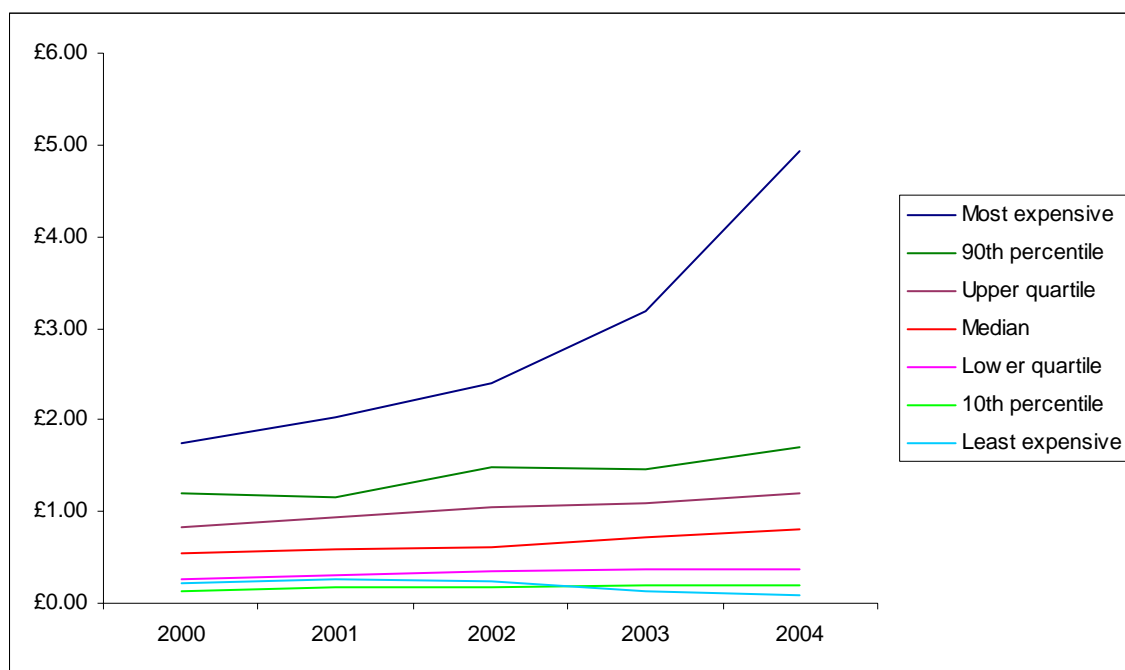


N.B. This graph has a logarithmic scale

## 3.7.6 Price per page, biomedical titles (£)

Total no. of titles included: 101

	2000	2001	2002	2003	2004	% change 2000-04
<i>Reviews in Medical Microbiology</i>	1.74	2.04	2.41	3.19	4.94	183.6
90 <sup>th</sup> percentile	1.19	1.16	1.48	1.47	1.71	43.5
Upper quartile	0.84	0.93	1.04	1.10	1.20	42.5
Median	0.55	0.59	0.62	0.73	0.80	46.5
Lower quartile	0.27	0.31	0.34	0.37	0.38	42.7
10th percentile	0.14	0.17	0.18	0.20	0.20	43.8
<i>Obstetrics and Gynaecology - New York</i>	0.22	0.27	0.24	0.13	0.09	-60.2



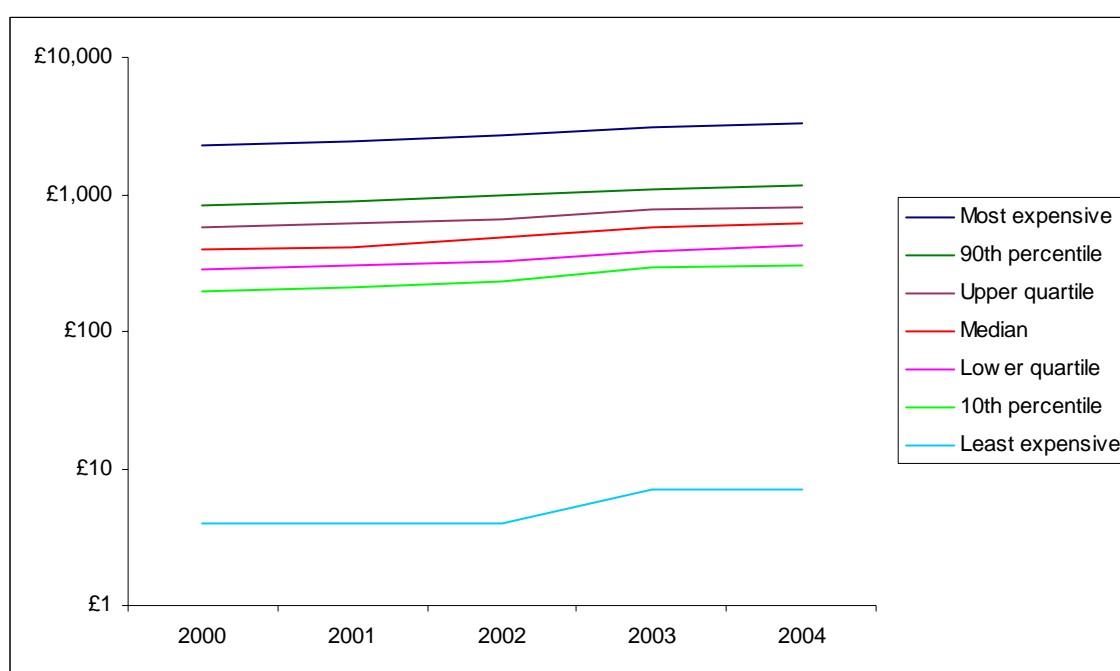
The correlation of the price per page with the number of pages was between 0.59 and 0.63 in each of the four years in the period 2000-2003. This indicates that there is strong evidence of a positive relationship between the number of pages and the overall price per page, with the larger journals also being associated with a higher price per page.

### 3.8 Nature

#### 3.8.1 Overall journal prices (£)

Total no. of titles included: 52

	2000	2001	2002	2003	2004	% change 2000-04
<i>Oncogene and Oncogene Reviews : Internet</i>	2,256	2,468	2,667	3,134	3,341	48.1
90 <sup>th</sup> percentile	820	880	978	1,086	1,164	42.0
Upper quartile	565	614	668	777	815	44.2
Median	395	415	492	572	622	57.3
Lower quartile	285	304	326	380	426	49.6
10th percentile	193	207	228	289	302	56.6
<i>Raphaels Astronomical Ephemeris</i>	4	4	4	7	7	72.4



N.B. This graph has a logarithmic scale

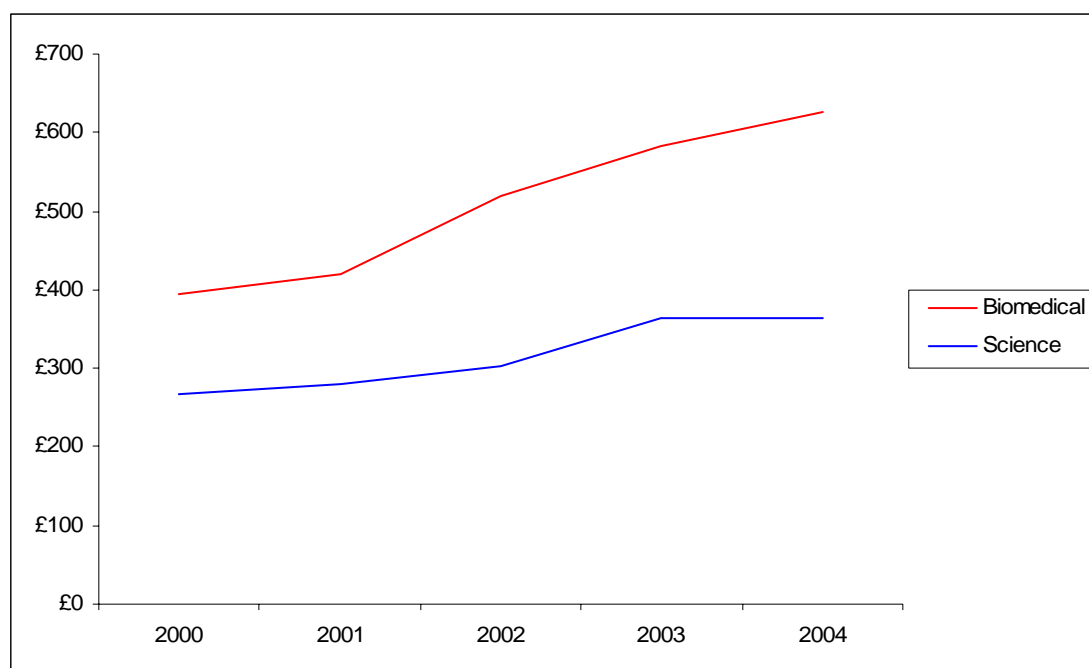
#### Percentage increases 2000-2004

	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>Nature Biotechnology</i>	8.5	71.9	9.1	25.0	154.2
90 <sup>th</sup> percentile	10.2	19.0	28.8	24.0	77.7
Upper quartile	9.8	10.7	17.8	11.0	59.5
Median	6.4	8.1	11.6	7.9	43.1
Lower quartile	4.9	5.5	6.6	4.2	32.0
10th percentile	0.0	3.6	4.0	0.0	22.9
<i>Evidence Based Dentistry: Internet</i>	0.0	9.3	6.1	-6.9	8.0

**3.8.2 Median journal prices by subject (£)**

Total no. of titles included: 52

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	49	395	420	519	583	627	58.7
Science	3	268	281	303	363	363	35.4

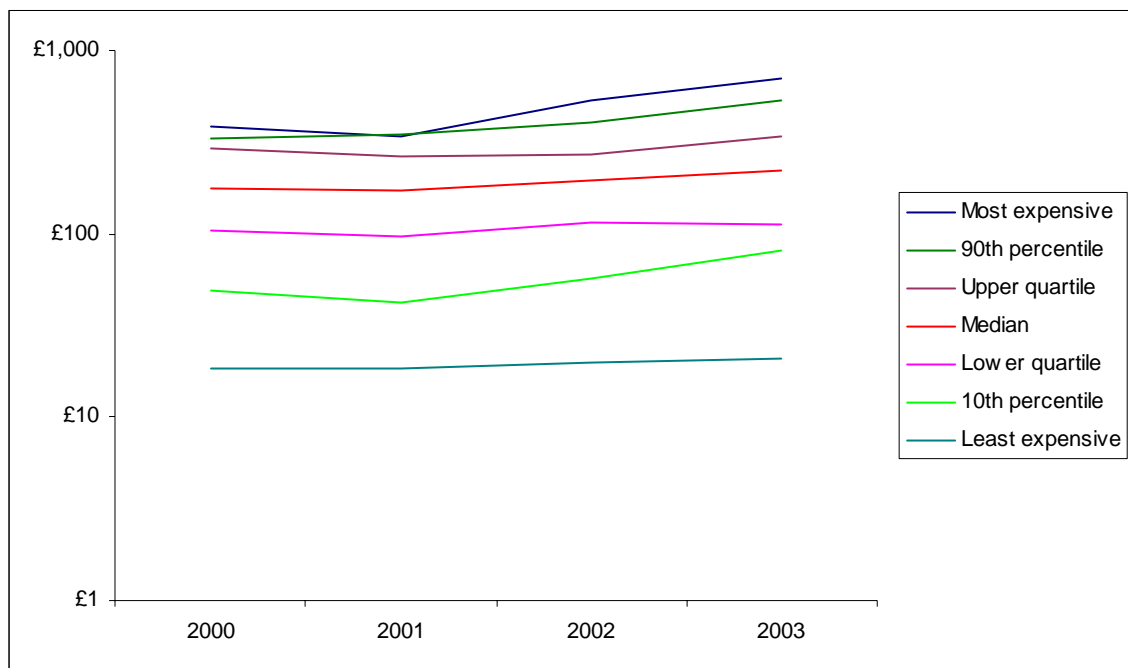
**Median percentage increases 2000-2004**

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	49	6.6	8.1	11.6	8.0
Science	3	4.9	7.8	19.8	0.0

## 3.8.3 Price per impact factor, biomedical titles 2000-2003 (£)

Total no. of titles included: 40

	2000	2001	2002	2003	% change 2000-03
<i>Prostate Cancer and Prostatic Disease: Internet</i>	383	344	532	701	83.2
90 <sup>th</sup> percentile	333	344	400	528	58.6
Upper quartile	293	263	271	338	15.5
Median	176	170	194	224	27.1
Lower quartile	105	96	114	113	7.9
10th percentile	49	42	57	82	67.9
<i>Nature Genetics</i>	19	19	20	21	12.1

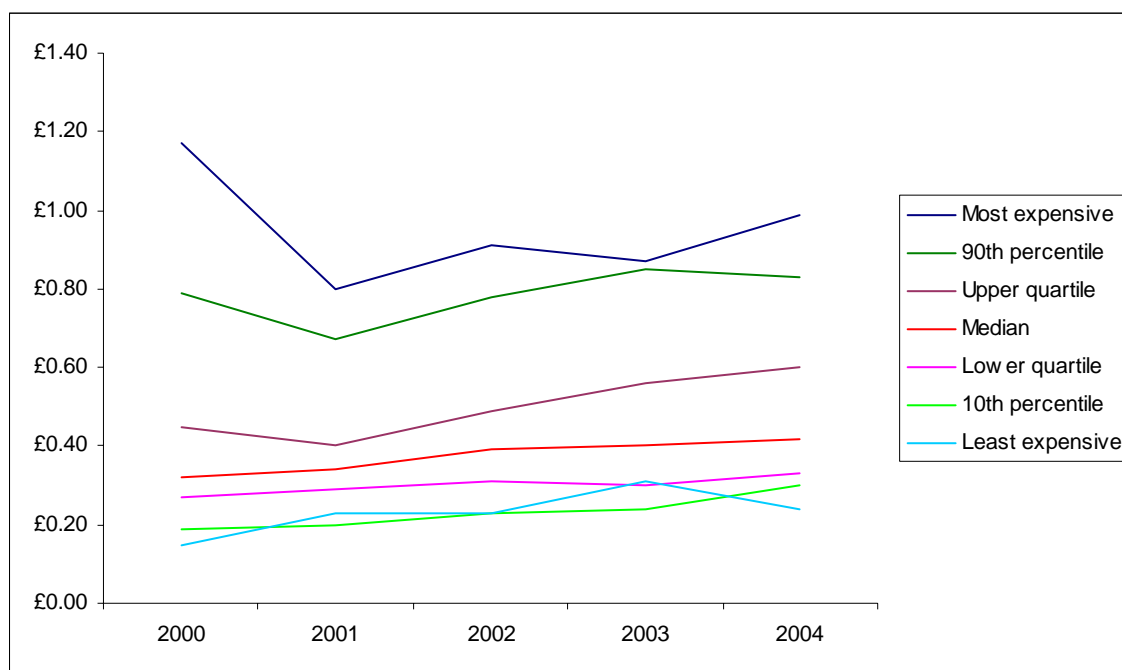


N.B. This graph has a logarithmic scale

## 3.8.4 Price per page, biomedical titles (£)

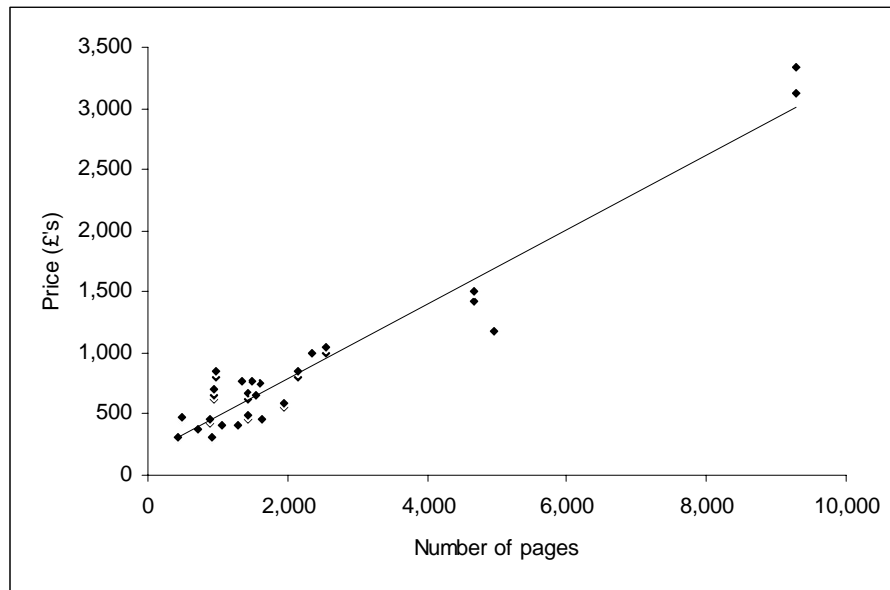
Total no. of titles included: 40

	2000	2001	2002	2003	2004	% change 2000-04
<i>Microcirculation</i>	1.17	0.80	0.91	0.87	0.99	-16.0
90 <sup>th</sup> percentile	0.79	0.67	0.78	0.85	0.83	4.0
Upper quartile	0.45	0.40	0.49	0.56	0.60	33.3
Median	0.32	0.34	0.39	0.40	0.42	31.2
Lower quartile	0.27	0.29	0.31	0.30	0.33	21.3
10th percentile	0.19	0.20	0.23	0.24	0.30	60.2
<i>British Journal of Cancer &amp; Supplements</i>	0.15	0.23	0.23	0.31	0.24	62.0



The correlation of the number of pages with price is between 0.88 and 0.96 in each of the five years considered here. This indicates that there is an extremely strong positive relationship between the cost of a journal and the number of pages, with more expensive journals tending to have a larger number of pages. This is illustrated in Fig 3.8.5, which shows a scatter graph for 2004 (where the correlation was highest) and also shows the line of best fit.

### 3.8.5 Price versus the number of pages – 2004



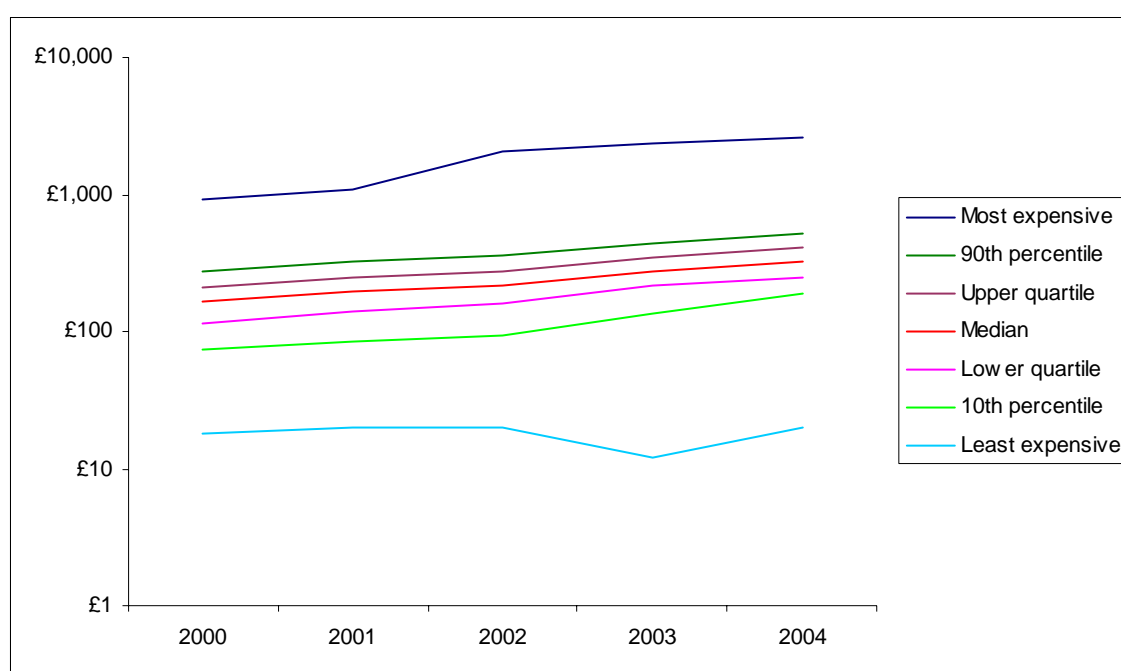
In each of the three years between 2001 and 2003, the correlation of price per page and page numbers is between  $-0.42$  and  $-0.45$ . This gives some indication of an inverse relationship between the two, so that as the number of pages increases the price per page decreases and vice versa.

### 3.9 Sage

#### 3.9.1 Overall journal prices (£)

Total no. of titles included: 296

	2000	2001	2002	2003	2004	% change 2000-04
<i>Journal of Composite Materials – Lancaster</i>	930	1,099	2,036	2,341	2,600	179.6
90 <sup>th</sup> percentile	276	322	360	444	513	85.7
Upper quartile	209	249	275	349	413	98.1
Median	166	197	217	276	322	93.5
Lower quartile	114	142	159	215	245	114.2
10th percentile	73	85	95	137	189	157.7
<i>International Journal of Music Education &amp; Music Education International</i>	18	20	20	12	20	17.1



N.B. This graph has a logarithmic scale

#### Percentage increases 2000-2004

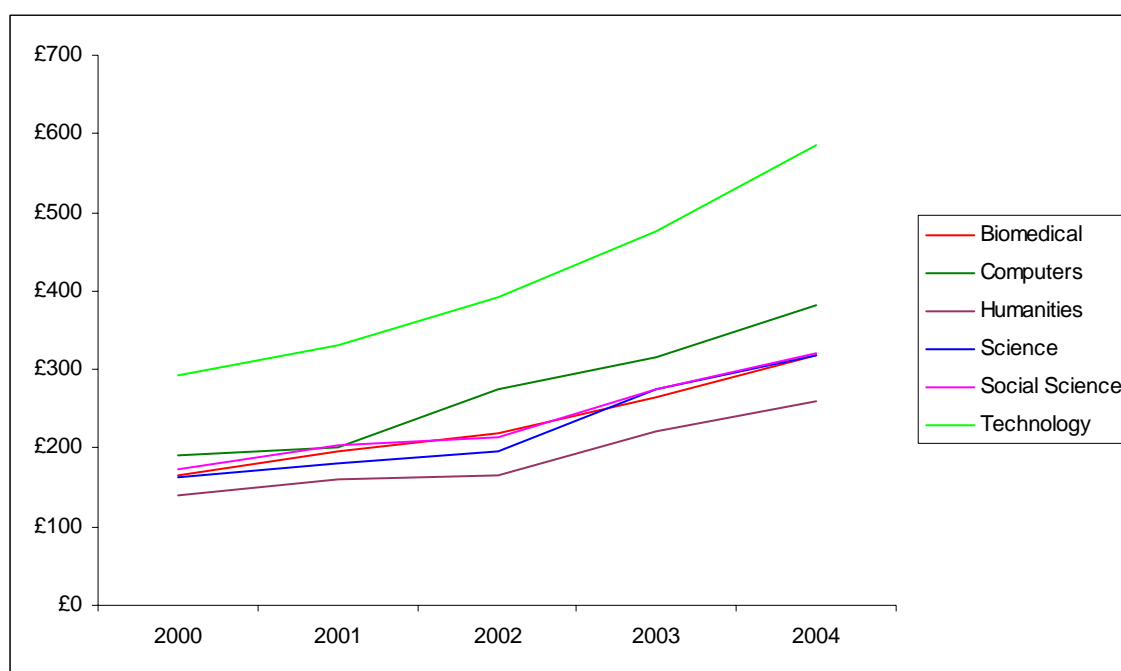
	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>Review of Public Personnel Administration</i>	0.0	364.4	71.6	81.3	1,345.0
90 <sup>th</sup> percentile	28.4	45.8	52.6	46.4	232.6
Upper quartile	19.1	14.6	42.8	19.9	125.8
Median	16.0	6.2	26.7	14.9	86.3
Lower quartile	9.8	-3.5	14.1	10.7	71.1
10th percentile	5.5	-4.6	8.8	7.8	60.3
<i>International Journal of Music Education &amp; Music Education International</i>	15.9	1.0	-40.0	66.7	17.1

The increase in price of *Review of Public Personnel Administration* in 2002 was from a very low base, of £25.

## 3.9.2 Median journal prices by subject (£)

Total no. of titles included: 296

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	74	165	196	220	266	317	91.8
Computers	4	190	202	275	316	382	101.3
Humanities	26	139	161	165	221	260	87.1
Science	23	163	181	197	276	317	93.9
Social Science	152	173	204	213	275	320	85.2
Technology	17	293	331	393	475	586	100.3



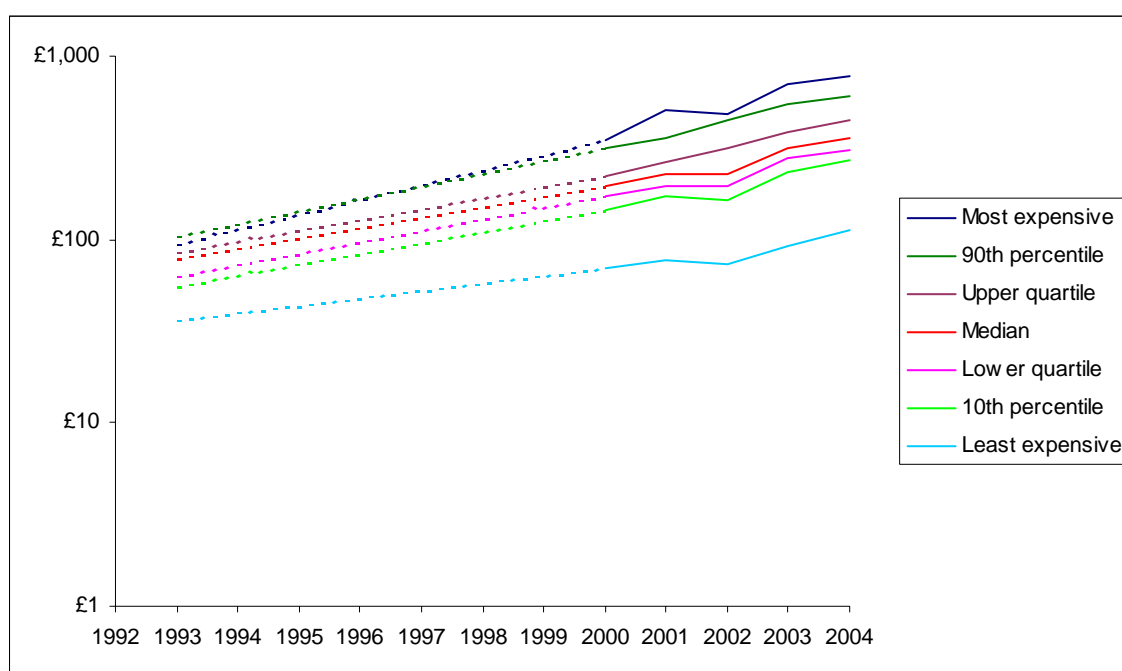
## Median percentage increases 2000-2004

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	74	16.8	7.5	29.8	13.8
Computers	4	6.3	50.6	13.2	11.3
Humanities	26	13.3	6.3	15.2	15.1
Science	23	13.8	5.4	26.7	15.1
Social Science	152	16.7	0.0	38.8	14.9
Technology	17	7.2	71.7	15.0	11.3

## 3.9.3 Biomedical journal prices (£)

Total no. of titles included: 28

	1993	2000	2001	2002	2003	2004	% change 1993-04
<i>American Behavioral Scientist</i>	95	347	509	488	711	786	727.4
90 <sup>th</sup> percentile	105	313	354	447	550	607	479.8
Upper quartile	85	221	262	315	383	445	422.0
Median	79	197	230	230	317	355	351.6
Lower quartile	63	172	197	197	280	309	394.4
10th percentile	56	145	171	165	235	272	383.1
<i>Psychology and Developing Societies</i>	36	70	77	73	93	112	211.1



N.B. This graph has a logarithmic scale

## Percentage increases 1993-2004

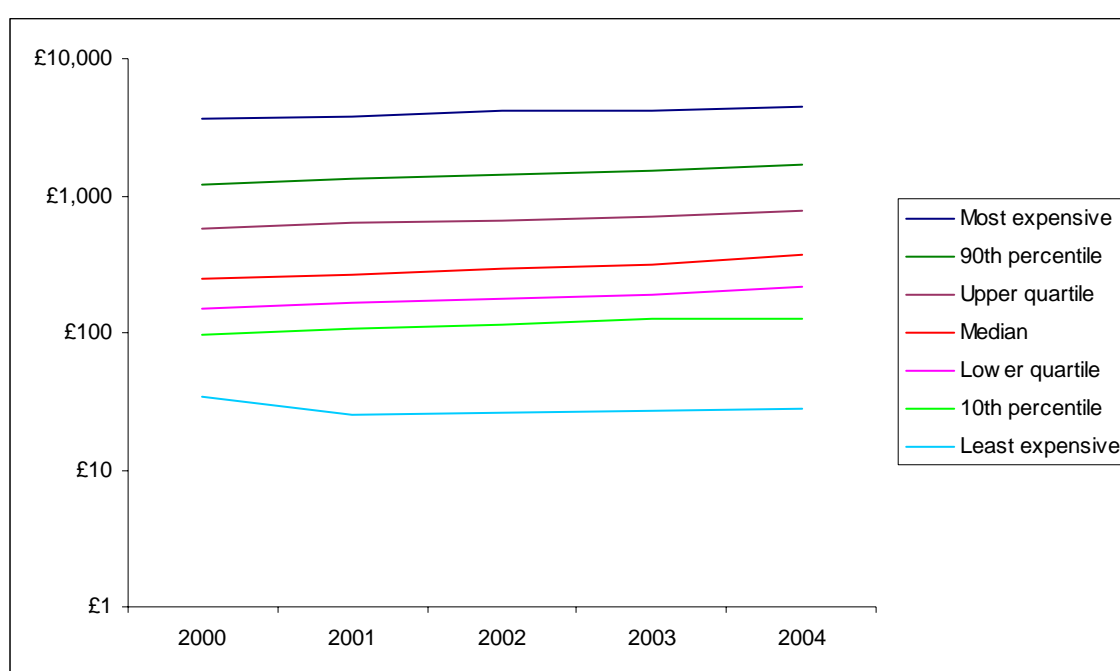
	% change 1993-2000	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 1993-2004
<i>American Behavioral Scientist</i>	265.3	46.7	-4.2	45.8	10.5	727.4
90 <sup>th</sup> percentile	263.5	25.3	16.9	44.9	19.4	522.7
Upper quartile	196.0	18.8	1.7	42.8	15.0	446.6
Median	160.8	16.7	-2.8	41.2	11.6	381.6
Lower quartile	138.5	14.1	-4.0	35.8	10.3	338.9
10th percentile	106.6	9.8	-5.0	15.0	8.9	238.0
<i>Journal of Biomaterials Applications</i>	12.9	7.6	86.2	15.2	11.3	190.0

### 3.10 Springer

#### 3.10.1 Overall journal prices (£)

Total no. of titles included: 447

	2000	2001	2002	2003	2004	% change 2000-04
<i>Zentralblatt Math</i>	3,590	3,803	4,106	4,235	4,457	24.1
90 <sup>th</sup> percentile	1,209	1,328	1,430	1,525	1,660	37.3
Upper quartile	573	628	660	705	773	34.8
Median	245	265	289	314	372	52.3
Lower quartile	150	166	176	188	220	46.4
10th percentile	97	107	115	125	127	31.4
<i>Heilberufe</i>	34	25	26	27	28	-18.1



N.B. This graph has a logarithmic scale

#### Percentage increases 2000-2004

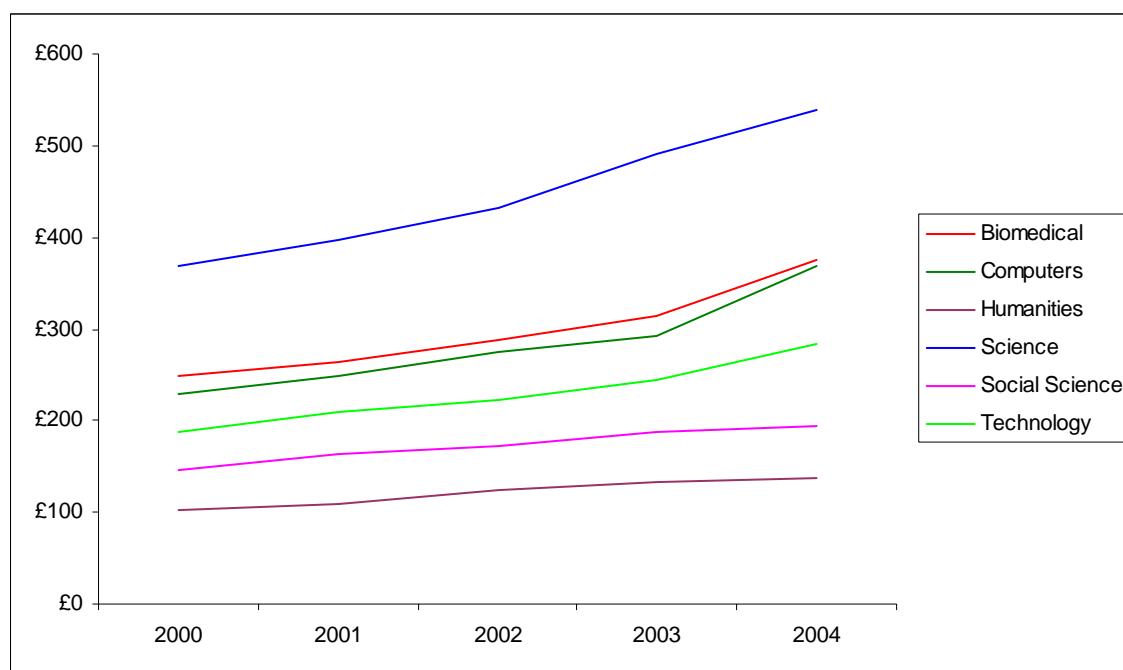
	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>Zeitschrift fur Epileptologie</i>	0.0	-10.5	671.2	11.7	670.8
90 <sup>th</sup> percentile	16.0	15.0	16.3	30.7	82.9
Upper quartile	10.5	10.6	9.5	13.6	56.6
Median	7.6	7.1	6.6	8.9	34.0
Lower quartile	3.2	3.9	3.4	5.9	24.2
10th percentile	0.0	1.0	-1.1	3.0	11.1
<i>Bioprocess and Biosystems Engineering</i>	0.0	-46.1	-1.8	10.1	-41.7

The increase in 2003 for *Zeitschrift fur Epileptologie* was from a low base of £22 in 2002. *Bioprocess and Biosystems Engineering* had 12 issues in 2001 and only six in 2002.

## 3.10.2 Median journal prices by subject (£)

Total no. of titles included: 447

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	230	249	264	289	314	375	50.6
Computers	31	229	249	275	292	368	60.3
Humanities	5	103	110	124	134	138	34.0
Science	113	369	398	432	492	539	46.2
Social Science	32	147	163	173	188	195	33.0
Technology	36	187	209	223	244	284	51.6



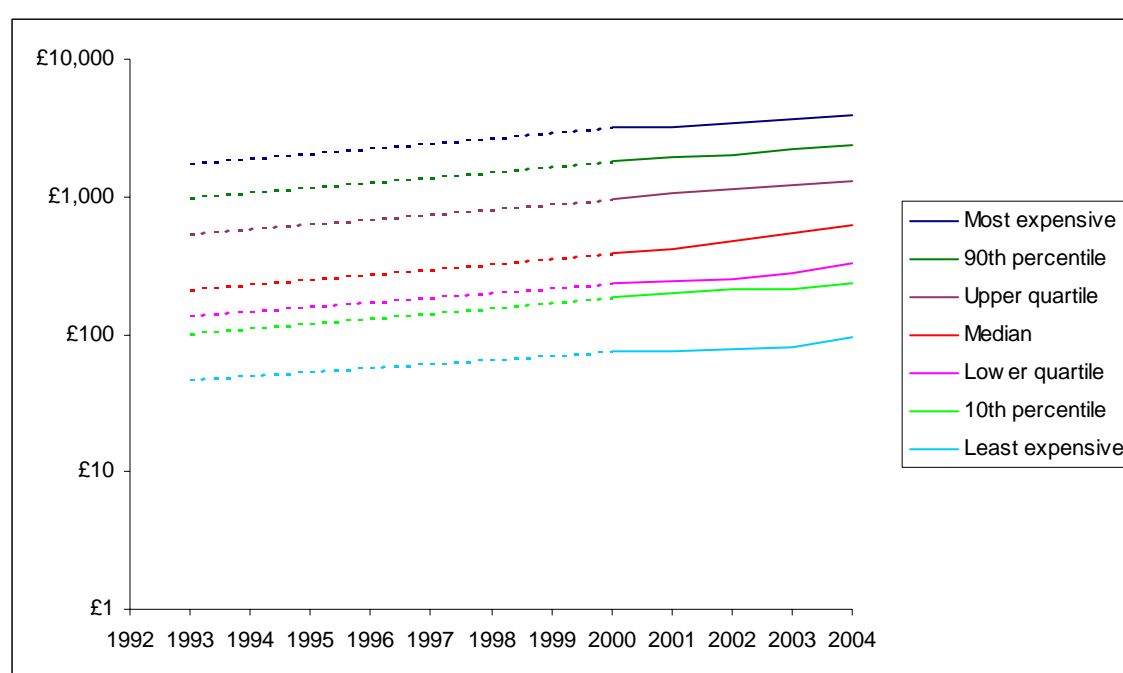
## Median percentage increases 2000-2004

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	230	6.9	6.3	6.5	9.6
Computers	31	7.7	8.1	6.0	11.1
Humanities	5	7.2	1.9	4.2	4.3
Science	113	7.6	8.2	7.4	7.8
Social Science	32	9.6	5.3	7.0	7.6
Technology	36	9.1	7.6	5.8	8.4

## 3.10.3 Biomedical journal prices (£)

Total no. of titles included: 126

	1993	2000	2001	2002	2003	2004	% change 2000-04
<i>Experimental Brain Research</i>	1,767	3,174	3,246	3,437	3,656	3,937	122.8
90 <sup>th</sup> percentile	989	1,785	1,910	2,004	2,189	2,343	136.8
Upper quartile	536	973	1,067	1,142	1,224	1,299	142.6
Median	211	388	413	468	547	615	191.0
Lower quartile	138	234	244	253	274	323	133.9
10th percentile	103	183	198	210	210	233	125.1
<i>Ethik in der Medizin</i>	47	76	76	79	81	95	100.1



N.B. This graph has a logarithmic scale

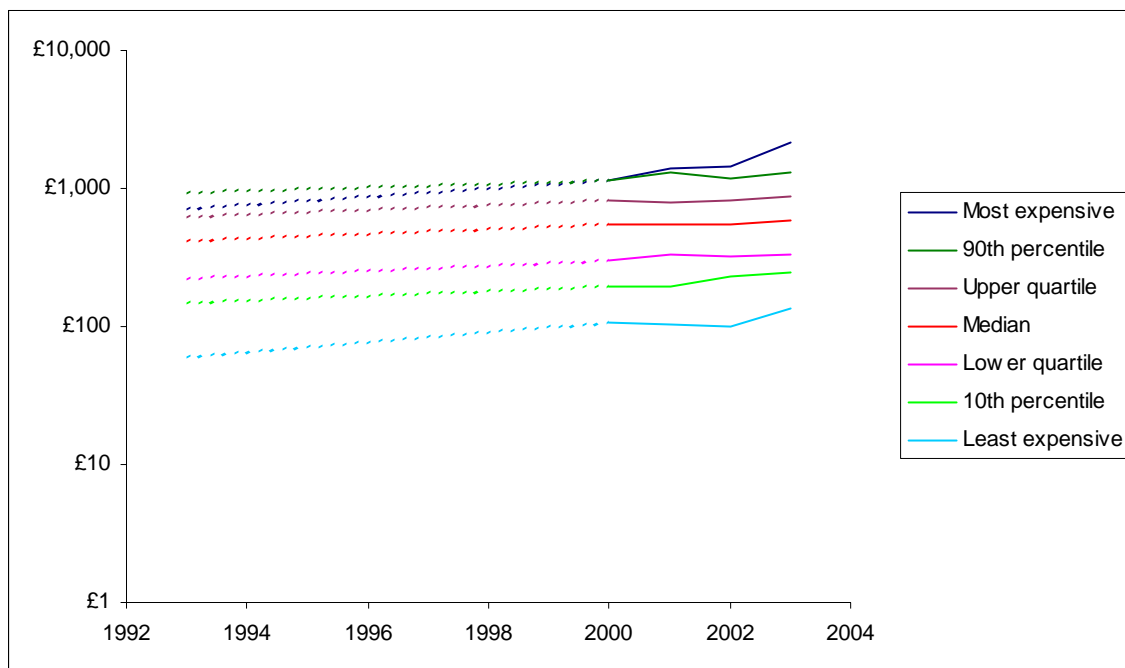
## Percentage increases 1993-2004

	% change 1993-2000	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 1993-2004
<i>Osteoporosis International</i>	313.3	7.3	8.6	6.7	19.2	512.5
90 <sup>th</sup> percentile	131.9	11.5	12.1	12.3	30.8	260.0
Upper quartile	98.3	7.9	8.7	8.3	11.7	195.9
Median	75.3	6.1	6.7	7.2	9.7	134.8
Lower quartile	54.5	0.0	3.3	3.3	8.1	99.6
10th percentile	33.1	0.0	2.3	-0.4	6.1	60.6
<i>Anatomy and Embryology - Berlin</i>	96.2	2.1	2.9	3.1	-45.0	16.8

## 3.10.4 Price per impact factor, biomedical titles 1993-2003 (£)

Total no. of titles included: 86

	1993	2000	2001	2002	2003	% change 1993-03
<i>Parasitology Research</i>	711	1,146	1,374	1,449	2,170	205.3
90 <sup>th</sup> percentile	920	1,159	1,303	1,187	1,286	39.7
Upper quartile	631	830	794	810	877	39.0
Median	425	547	546	542	596	40.1
Lower quartile	225	298	336	316	330	46.6
10th percentile	148	197	197	234	243	64.0
<i>Diabetologia</i>	60	108	104	101	135	124.6



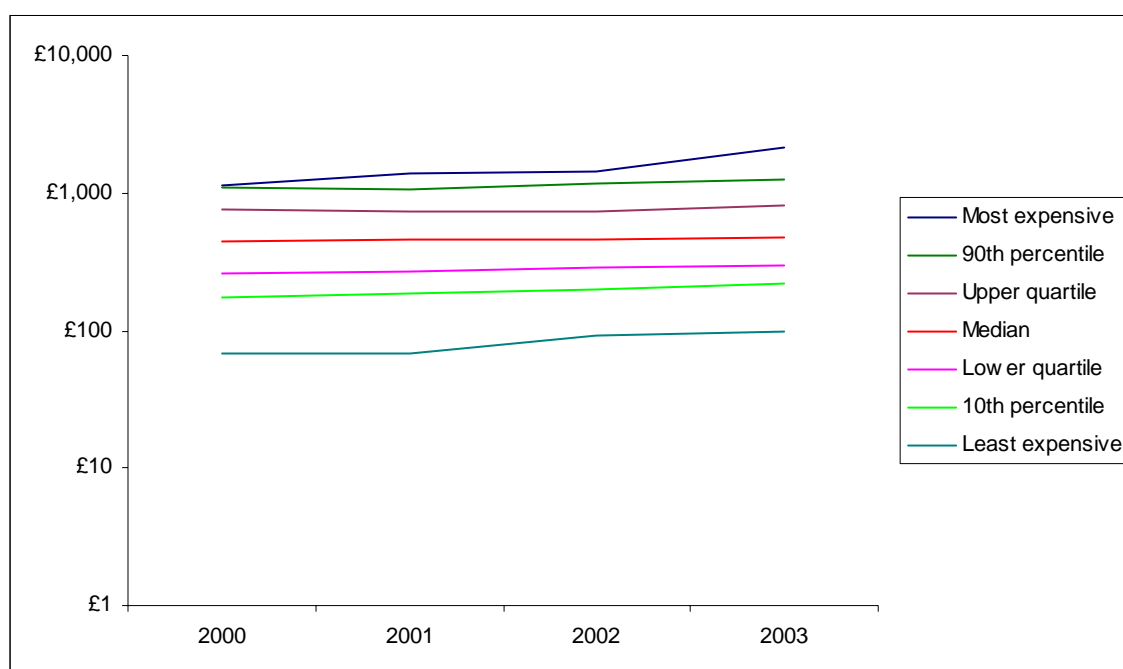
N.B. This graph has a logarithmic scale

Between 2001 and 2003 there was evidence of a positive association between price and impact factor; i.e. journals with higher impact factors were likely to also have higher prices (correlation coefficients ranged from 0.43 to 0.48).

## 3.10.5 Price per impact factor, biomedical titles 2000-2003 (£)

Total no. of titles included:133

	2000	2001	2002	2003	% change 2000-03
<i>Parasitology Research</i>	1,146	1,374	1,449	2,170	89.3
90 <sup>th</sup> percentile	1,091	1,068	1,166	1,274	16.8
Upper quartile	769	730	731	800	4.0
Median	451	455	458	470	4.1
Lower quartile	256	267	288	296	15.4
10th percentile	174	184	199	223	27.8
<i>Ecosystems</i>	67	68	93	98	46.4

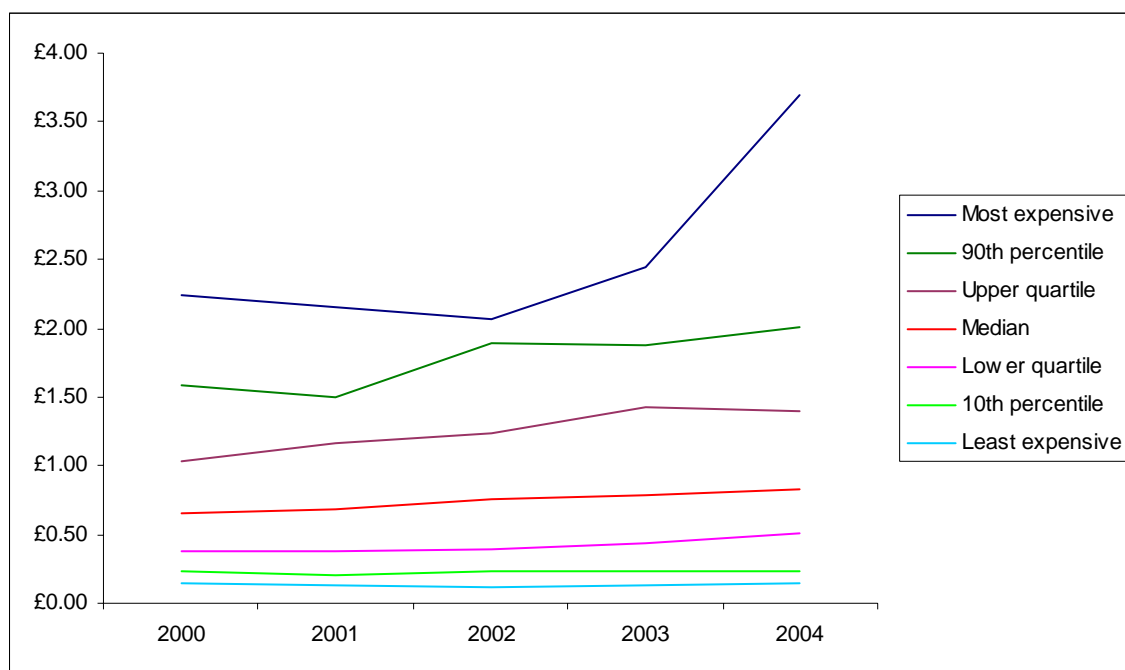


N.B. This graph has a logarithmic scale

## 3.10.6 Price per page, biomedical titles (£)

Total no. of titles included: 134

	2000	2001	2002	2003	2004	% change 2000-04
<i>Radiation and Environmental Biophysics</i>	2.24	2.15	2.07	2.44	3.70	65.4
90 <sup>th</sup> percentile	1.58	1.50	1.89	1.88	2.01	27.7
Upper quartile	1.04	1.16	1.24	1.43	1.40	34.4
Median	0.66	0.68	0.75	0.79	0.83	24.5
Lower quartile	0.38	0.38	0.39	0.44	0.51	35.4
10th percentile	0.23	0.21	0.23	0.23	0.23	0.8
<i>Internist - Berlin</i>	0.15	0.13	0.11	0.13	0.15	-3.3



Over the period 2000-2004 the correlation between the number of pages and the cost of the journal was between 0.46 and 0.61. This is evidence of a relationship between the two, with larger journals tending to be more expensive.

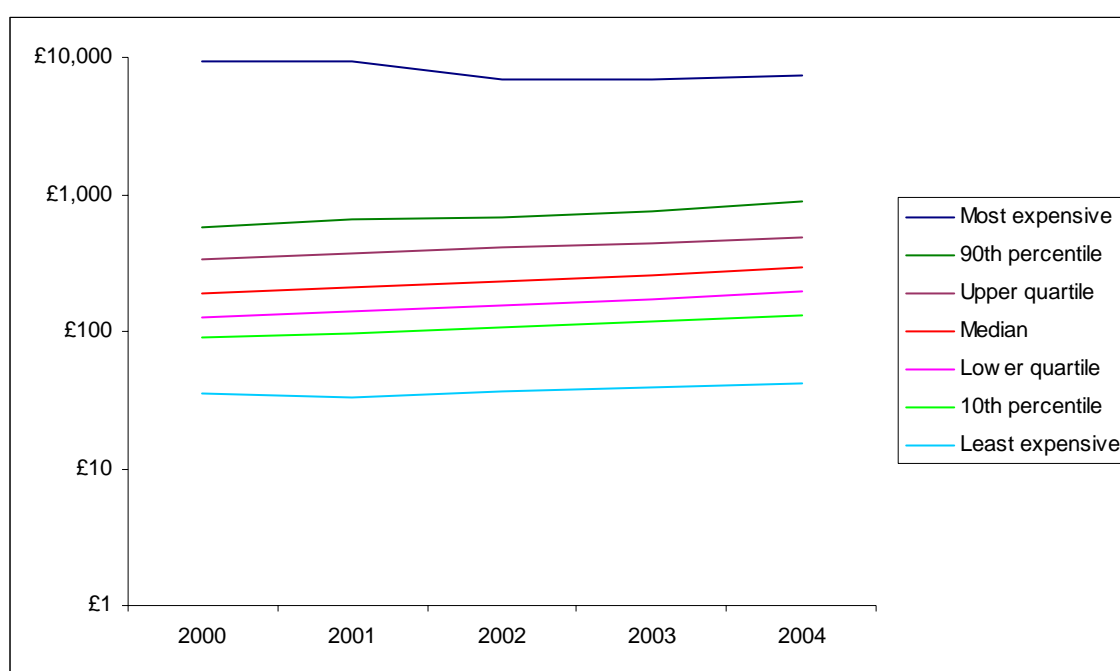
The correlation of the price per page with the price was between 0.45 and 0.52 over the period considered here. This indicates a relationship between the two, with higher prices overall associated with higher prices per page. This suggests that an increase in price is not necessarily followed with an increase in the number of pages.

### 3.11 Taylor & Francis

#### 3.11.1 Overall journal prices (£)

Total no. of titles included: 809

	2000	2001	2002	2003	2004	% change 2000-04
<i>Ferroelectrics</i>	9,301	9,301	6,959	6,815	7,463	-19.8
90 <sup>th</sup> percentile	584	663	670	755	877	50.1
Upper quartile	330	371	405	432	482	46.1
Median	189	213	234	258	291	54.0
Lower quartile	125	139	155	170	193	54.4
10 <sup>th</sup> percentile	89	98	106	119	131	47.7
<i>Norwegian Archaeological Review</i>	35	33	36	39	42	20.2



N.B. This graph has a logarithmic scale

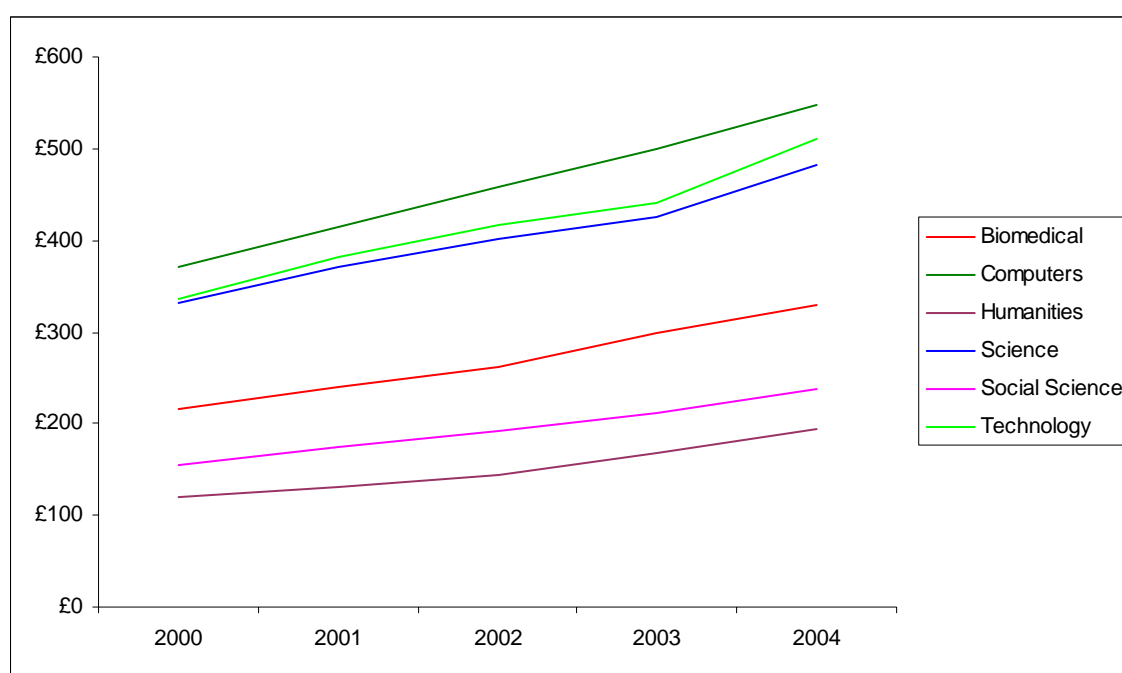
#### Percentage increases 2000-2004

	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>Critique – Journal for Critical Studies of the Middle East</i>	832.2	0.0	9.2	69.2	1,621.0
90 <sup>th</sup> percentile	55.3	49.0	23.2	39.1	106.5
Upper quartile	19.2	13.4	9.5	9.8	72.6
Median	12.2	9.1	9.1	9.5	44.2
Lower quartile	9.0	8.8	5.6	7.6	39.3
10 <sup>th</sup> percentile	8.7	2.9	-1.0	-2.2	18.7
<i>Journal of Musicological Research</i>	15.5	4.3	-18.8	-40.8	-42.1

## 3.11.2 Median journal prices by subject (£)

Total no. of titles included: 808

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	204	216	241	262	299	329	52.3
Computers	13	370	415	458	500	548	48.1
Humanities	98	120	131	145	169	195	62.1
Science	127	331	370	401	425	483	45.9
Social Science	311	156	174	192	211	238	52.6
Technology	55	336	382	416	441	511	52.1



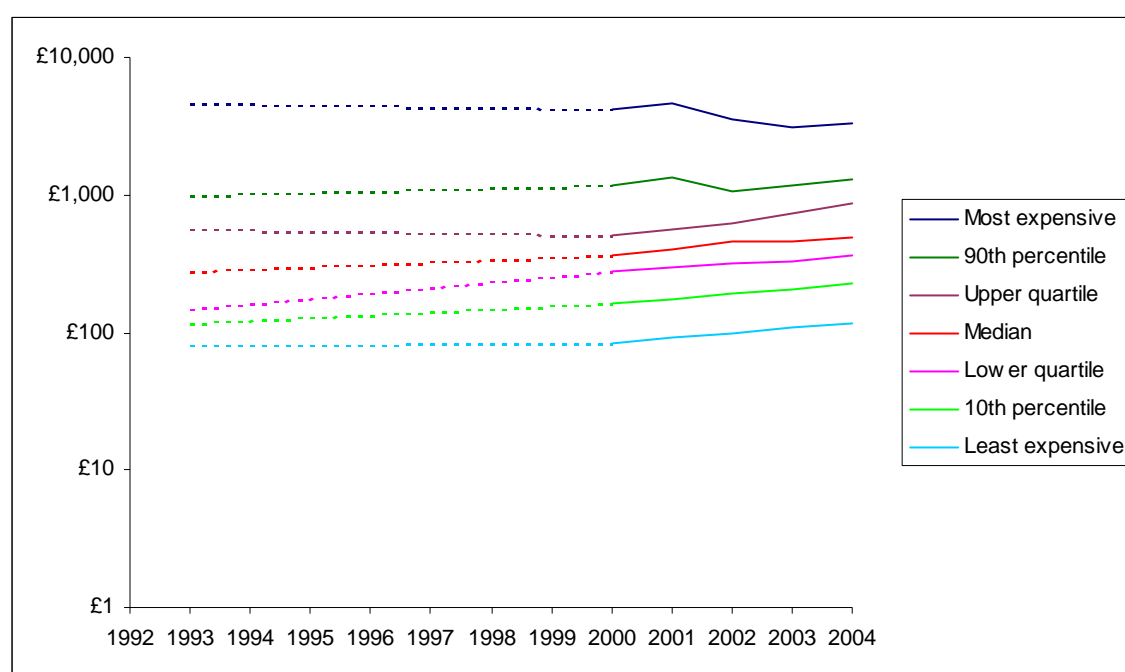
## Median percentage increases 2000-2004

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	204	10.1	9.0	9.1	9.5
Computers	13	9.1	9.0	9.1	9.5
Humanities	98	9.1	9.0	9.2	9.6
Science	127	11.4	8.9	9.0	9.5
Social Science	311	9.2	9.0	9.2	9.5
Technology	55	10.6	9.0	8.1	9.5

## 3.11.3 Biomedical journal prices (£)

Total no. of titles included: 59

	1993	2000	2001	2002	2003	2004	% change 1993-04
<i>International Journal of Neuroscience</i>	4,569	4,171	4,672	3,498	3,060	3,351	-26.7
90 <sup>th</sup> percentile	1,005	1,181	1,326	1,074	1,165	1,294	28.7
Upper quartile	558	508	567	615	723	856	53.3
Median	277	362	408	452	465	498	79.9
Lower quartile	146	279	299	322	332	363	149.4
10th percentile	118	161	176	192	208	227	92.0
<i>Eating Disorders - the Journal of Treatment and Prevention</i>	80	83	91	99	107	117	46.1



N.B. This graph has a logarithmic scale

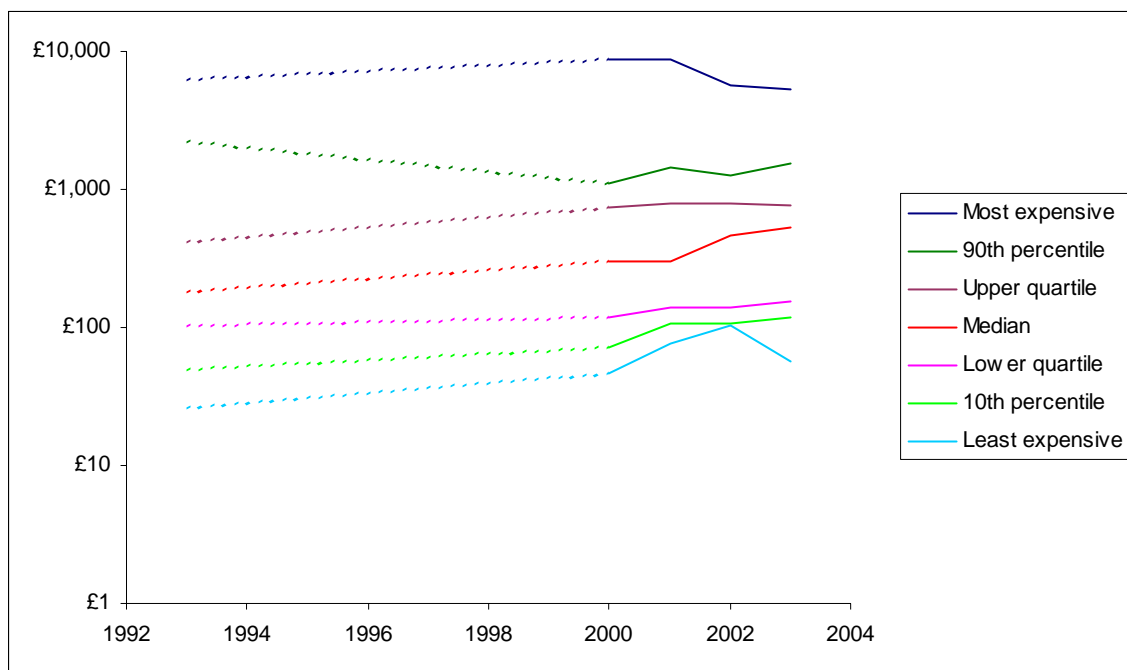
## Percentage increases 1993-2004

	% change 1993-2000	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 1993-2004
<i>Disability and Rehabilitation</i>	248.5	9.1	25.7	34.9	9.5	606.2
90 <sup>th</sup> percentile	161.6	14.8	17.7	21.2	20.4	263.0
Upper quartile	93.3	12.3	9.7	9.2	9.6	196.5
Median	23.4	10.8	8.9	9.0	9.5	73.8
Lower quartile	0.8	8.9	2.5	5.4	9.4	31.6
10th percentile	-23.7	7.1	-17.0	-11.3	8.0	-24.0
<i>Ecology of Food and Nutrition</i>	-82.2	15.6	4.7	-16.6	9.5	-80.4

**3.11.4 Price per impact factor, biomedical titles 1993-2003 (£)**

Total no. of titles included: 19

	1993	2000	2001	2002	2003	% change 1993-03
<i>International Journal of Neuroscience</i>	6,320	8,727	8,865	5,623	5,285	-16.4
90 <sup>th</sup> percentile	2,222	1,092	1,455	1,242	1,565	-29.6
Upper quartile	414	729	799	780	762	84.4
Median	184	296	304	467	523	183.4
Lower quartile	103	117	139	141	156	52.1
10 <sup>th</sup> percentile	50	72	106	106	117	135.9
<i>Critical Reviews in Biochemistry and Molecular Biology</i>	26	46	76	102	57	122.0

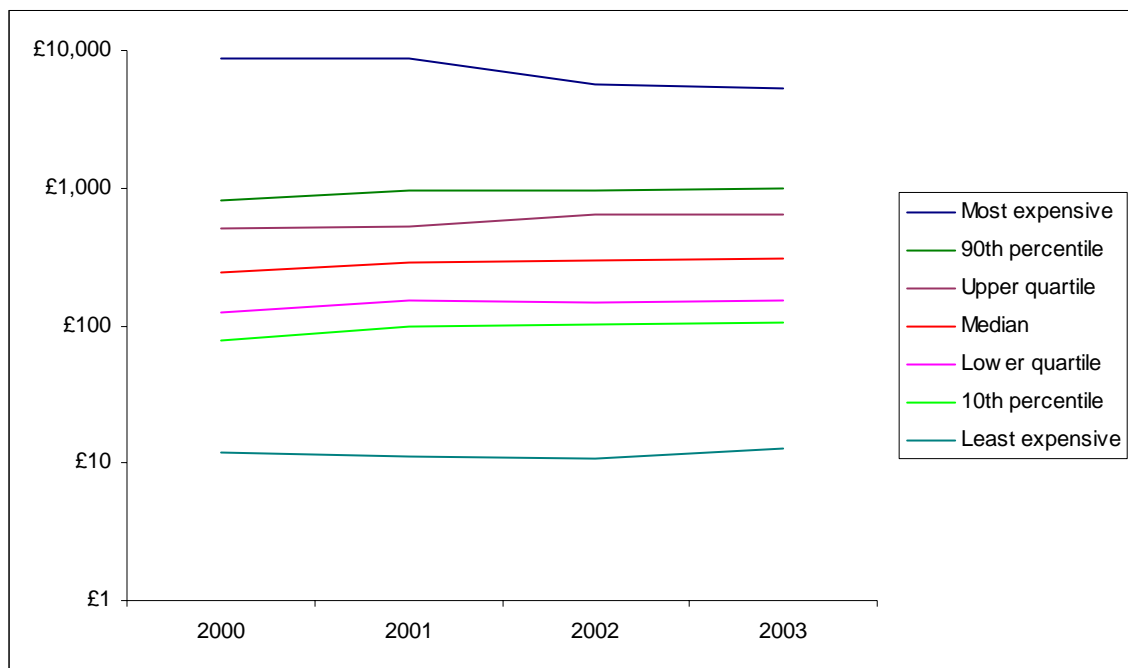


N.B. This graph has a logarithmic scale

## 3.11.5 Price per impact factor, biomedical titles 2000-2003 (£)

Total no. of titles included: 79

	2000	2001	2002	2003	% change 2000-03
<i>International Journal of Neuroscience</i>	8,727	8,865	5,623	5,285	-39.4
90 <sup>th</sup> percentile	815	952	967	997	22.3
Upper quartile	503	530	640	638	27.0
Median	246	284	296	312	26.7
Lower quartile	125	150	148	152	21.8
10th percentile	79	98	102	104	31.3
<i>Systematic Biology</i>	12	11	11	13	7.5

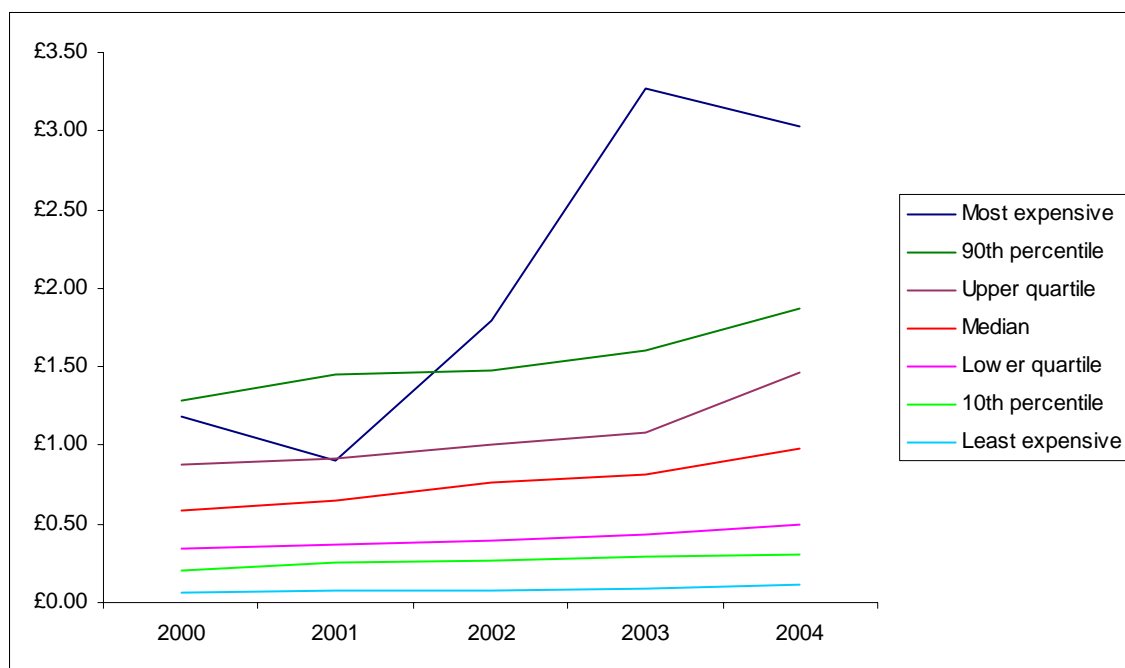


N.B. This graph has a logarithmic scale

## 3.11.6 Price per page, biomedical titles (£)

Total no. of titles included: 80

	2000	2001	2002	2003	2004	% change 2000-04
<i>Growth Factors - London</i>	1.18	0.91	1.80	3.27	3.03	156.7
90 <sup>th</sup> percentile	1.29	1.45	1.48	1.61	1.87	45.1
Upper quartile	0.88	0.92	1.01	1.08	1.46	65.8
Median	0.58	0.65	0.76	0.82	0.98	68.5
Lower quartile	0.35	0.37	0.39	0.43	0.50	42.6
10 <sup>th</sup> percentile	0.21	0.25	0.27	0.29	0.31	46.0
<i>Systematic Biology</i>	0.07	0.08	0.08	0.09	0.11	52.5



The increase in the price per page of *Growth Factors* in 2002 was due to a fall of 40% in the number of pages, which was followed by a further fall of 67% in 2003

In the period 2002-2004, the correlation between the number of pages and the cost of the journal was between 0.51 and 0.57, increasing each year. This indicates a relationship between the two, with larger journals tending to be more expensive. The increase in correlation each year suggests that this relationship is becoming more pronounced.

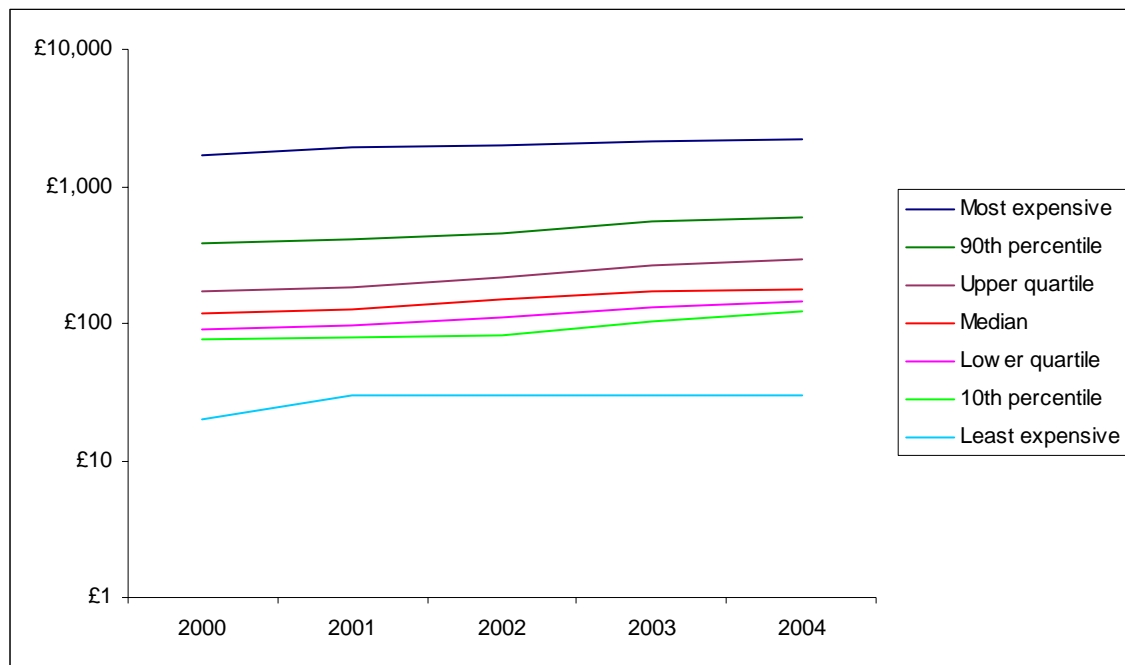
Over the five-year period, the correlation of the price per page with price was between 0.51 and 0.79. However, this has decreased every year, and although it indicates evidence of a positive relationship, it would be interesting to see if this continues to decline. The implication here is that more expensive titles tended to be more expensive per page as well as overall, but this relationship is declining in strength.

### 3.12 University of Chicago Press

#### 3.12.1 Overall journal prices (£)

Total no. of titles included: 44

	2000	2001	2002	2003	2004	% change 2000-04
<i>Astrophysical Journal &amp; Astrophysical Journal – Supplements</i>	1,705	1,915	2,025	2,130	2,210	29.6
90 <sup>th</sup> percentile	388	414	458	564	590	52.2
Upper quartile	173	185	214	269	293	69.4
Median	119	127	149	170	179	50.4
Lower quartile	89	98	109	129	145	63.3
10th percentile	77	79	83	105	121	58.0
<i>History of Science Society Newsletter</i>	20	30	30	30	30	50.0



N.B. This graph has a logarithmic scale

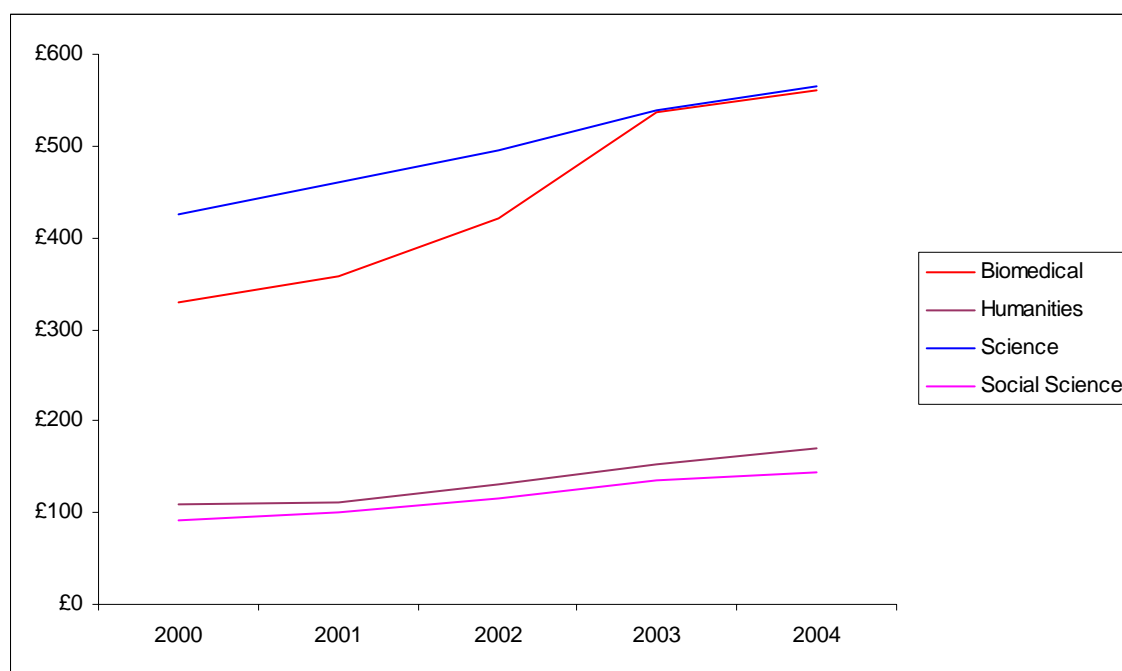
#### Percentage increases 2000-2004

	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04	% change 2000-04
<i>Law and Social Inquiry</i>	24.5	3.4	51.7	-2.0	91.3
90 <sup>th</sup> percentile	25.5	22.3	12.1	1.6	64.8
Upper quartile	19.7	21.4	8.4	-1.1	52.3
Median	17.2	20.6	6.4	-2.0	39.9
Lower quartile	14.5	10.3	-0.9	-6.5	30.3
10th percentile	13.1	3.4	-4.7	-10.7	21.0
<i>Astrophysical Journal – Supplement Series Only</i>	17.7	8.9	-7.9	-10.7	5.5

**3.12.2 Median journal prices by subject (£)**

Total no. of titles included: 44

	Number included	2000	2001	2002	2003	2004	% change 2000-04
Biomedical	6	329	358	421	536	561	70.5
Humanities	15	110	112	131	152	171	56.2
Science	7	425	460	495	540	565	32.9
Social Science	16	91	101	115	136	145	59.7

**Median percentage increases 2000-2004**

	Number included	% change 2000-01	% change 2001-02	% change 2002-03	% change 2003-04
Biomedical	6	7.0	17.1	19.6	7.2
Humanities	15	6.7	17.0	13.7	10.6
Science	7	12.3	5.7	5.8	3.8
Social Science	16	7.5	17.1	19.3	10.4

## Appendix A: Note on the publishers included

Below is a list of publishers which since 1993 have either been taken over by or merged with those publishers included in this analysis.

### **Blackwell:**

Blackwell Scientific  
Futura  
Munksgaard  
Scriptor Publisher  
Turpin

### **Elsevier**

Ablex  
Academic Press  
Butterworth Heinemann  
Cahners  
Gustav Fischer Verlag  
Hanley & Belfus  
JAI Press  
Mosby-Year Book Inc  
Pergamon Press  
WB Saunders

### **Kluwer**

Human Sciences Press  
Plenum

### **Lippincott Williams & Wilkins**

Williams & Wilkins

### **Nature**

Macmillan

### **Springer**

Birkhauser Verlag Switz

### **Sage**

Technomic Publishing Co

### **Taylor & Francis**

Brunner Mazel  
Carfax  
Chapman & Hall  
CRC press  
Frank Cass  
Gordon & Breach/Harwood  
Martin Dunitz  
Parthenon  
Routledge

## Appendix B: Subject categories included in analysis of biomedical journals

Allergy	Mycology
Anatomy & Morphology	Neurosciences
Anaesthesiology	Nutrition & Dietetics
Behavioural Science	Obstetrics & Gynaecology
Biochemical Research Methods	Oncology
Biochemistry and Molecular Biology	Ophthalmology
Biology	Orthopaedics
Biology, miscellaneous	Otorhinolaryngology
Biotechnology & Applied Microbiology	Parasitology
Cardiac & Cardiovascular Systems	Pathology
Cell Biology	Paediatrics
Chemistry, Medicinal	Peripheral Vascular Disease
Clinical Neurology	Pharmacology & Pharmacy
Dentistry, Oral Surgery and Medicine	Physiology
Dermatology & Venereal Diseases	Plant Sciences
Developmental Biology	Psychiatry
Ecology	Psychology
Emergency Medicine & Critical Care	Public, Environmental & Occupational Health
Endocrinology & Metabolism	Radiology, Nuclear Medicine & Medical Imaging
Entomology	Reproductive Biology
Gastroenterology & Hepatology	Respiratory System
Genetics & Heredity	Rheumatology
Geriatrics & Gerontology	Substance Abuse
Health Care Sciences & Services	Surgery
Haematology	Toxicology
Immunology	Transplantation
Infectious Diseases	Tropical Medicine
Marine & Freshwater Biology	Urology & Nephrology
Medical Informatics	Veterinary Sciences
Medical Laboratory Technology	Virology
Medicine, General & Internal	Zoology
Medicine, Research & Experimental	
Microbiology	

## Appendix C: Biomedical titles analysed

The following titles were included in the calculation of median prices for biomedical journals from 2000-2004. All other analyses were based on subsets of this list, comprising those titles:

- with the same publisher in 1993
- having impact factors for 1999-2002
- having impact factors for 1992 and 1999-2002
- having impact factors for 1999-2002 and page number data for 1999-2003

### Blackwells

*Acta Anaesthesiologica Scandinavica & Supplementum*  
*Acta Crystallographica - Section D*  
*Acta Neurologica Scandinavica & Supplements*  
*Acta Neuropsychiatrica*  
*Acta Obstetrica et Gynecologica Scandinavica*  
*Acta Ophthalmologica Scandinavica & Supplementum*  
*Acta Physiologica Scandinavica - Print & Premium - Internet & Supplementum / Acta Physiologica Scandinavica & Supplementum / Acta Physiologica Scandinavica : Premium – Internet / Acta Psychiatrica Scandinavica & Supplements*  
*Acta Zoologica / Acta Zoologica - Print & Premium – Internet / Acta Zoologica : Premium - Internet*  
*Addiction*  
*African Journal of Ecology*  
*Agricultural and Forest Entomology*  
*Alimentary Pharmacology and Therapeutics*  
*Allergology International / Allergology International - Print & Premium - Internet / Allergology International : Premium - Internet*  
*Allergy & Allergy Supplements*  
*American Journal of Gastroenterology*  
*American Journal of Reproductive Immunology*  
*Anaesthesia / Anaesthesia - Print & Premium - Internet / Anaesthesia : Premium - Internet*  
*Anatomia Histologia Embryologia*  
*Andrologia / Andrologia - Print & Premium - Internet*  
*Animal Genetics - Print & Premium – Internet / Animal Genetics : Premium - Internet*  
*Animal Science Journal*  
*Annals of Human Genetics*  
*Annals of Noninvasive Electrocardiology*  
*Annals of the College of Surgeons Hong Kong / Annals of the College of Surgeons Hong Kong - Print & Premium – Internet / Annals of the College of Surgeons Hong Kong : Premium - Internet*  
*ANZ Journal of Surgery / ANZ Journal of Surgery - Print & Premium – Internet / ANZ Journal of Surgery : Premium - Internet*  
*APMIS - Acta Pathologica Microbiologica et Immunologica Scandinavica & Supplements*  
*Artificial Organs - Cambridge - Print & Premium – Internet / Artificial Organs - Cambridge : Premium - Internet*  
*Asian Journal of Social Psychology*  
*Austral Ecology*  
*Australasian Journal of Dermatology / Australasian Journal of Dermatology - Print & Premium - Internet / Australasian Journal of Dermatology : Premium - Internet*  
*Australasian Journal on Ageing*  
*Australasian Psychiatry / Australasian Psychiatry - Print & Premium - Internet / Australasian Psychiatry : Premium - Internet*  
*Australasian Radiology / Australasian Radiology - Print & Premium - Internet / Australasian Radiology : Premium - Internet*  
*Australian and New Zealand Journal of Obstetrics and Gynaecology*  
*Australian and New Zealand Journal of Psychiatry / Australian and New Zealand Journal of Psychiatry - Print & Premium – Internet / Australian and New Zealand Journal of Psychiatry : Premium - Internet*  
*Australian Journal of Entomology / Australian Journal of Entomology - Print & Premium – Internet / Australian Journal of Entomology : Premium - Internet*

*Australian Journal of Rural Health / Australian Journal of Rural Health - Print & Premium – Internet / Australian Journal of Rural Health : Premium - Internet*  
*Australian Occupational Therapy Journal / Australian Occupational Therapy Journal - Print & Premium – Internet / Australian Occupational Therapy Journal : Premium - Internet*  
*Autonomic and Autacoid Pharmacology - Institutional Subscription / Autonomic and Autacoid Pharmacology - Institutional Subscription : Premium – Internet / Autonomic and Autacoid Pharmacology - Institutional Subscription-Print & Premium - Internet*  
*Basic and Clinical Pharmacology and Toxicology & Supplements*  
*Biological Journal of the Linnean Society*  
*Biometrics*  
*Bipolar Disorders*  
*Birth – Malden / Birth - Malden : Premium – Internet / Birth - Print & Premium - Internet*  
*BJOG - an International Journal of Obstetrics and Gynaecology & Supplements*  
*BJU International - British Journal of Urology-Incl Free CD ROM & Supplements / BJU International - Including Free CD ROM - Print & Supplements & Premium - Internet*  
*Botanical Journal of the Linnean Society*  
*Breast Journal / Breast Journal - Print & Premium – Internet / Breast Journal : Premium - Internet*  
*British Journal of Clinical Pharmacology / British Journal of Clinical Pharmacology - Print & Premium – Internet / British Journal of Clinical Pharmacology : Premium - Internet*  
*British Journal of Dermatology - Premium - Internet & Supplements – Internet / British Journal of Dermatology & Supplements / British Journal of Dermatology & Supplements - Print & Premium - Internet*  
*British Journal of Haematology / British Journal of Haematology - Print & Premium – Internet / British Journal of Haematology : Premium - Internet*  
*British Journal of Learning Disabilities / British Journal of Learning Disabilities - Print & Premium – Internet / British Journal of Learning Disabilities : Premium - Internet*  
*Cell Proliferation / Cell Proliferation - Print & Premium – Internet / Cell Proliferation : Premium - Internet*  
*Cellular Microbiology / Cellular Microbiology - Print & Premium – Internet / Cellular Microbiology : Premium - Internet*  
*Cephalalgia - International Journal of Headache / Cephalalgia - International Journal of Headache - Print & Premium – Internet / Cephalalgia - International Journal of Headache : Premium - Internet*  
*Child - Care Health and Development / Child - Care Health and Development - Print & Premium – Internet / Child - Care Health and Development : Premium - Internet*  
*Cladistics - International Journal of Willi Hennig Society*  
*Clinical and Experimental Allergy - Print & Premium - Internet & Reviews / Clinical and Experimental Allergy : Premium - Internet*  
*Clinical and Experimental Dermatology / Clinical and Experimental Dermatology - Print & Premium – Internet / Clinical and Experimental Dermatology : Premium - Internet*  
*Clinical and Experimental Immunology / Clinical and Experimental Immunology - Print & Premium – Internet / Clinical and Experimental Immunology : Premium - Internet*  
*Clinical and Experimental Ophthalmology / Clinical and Experimental Ophthalmology - Print & Premium – Internet / Clinical and Experimental Ophthalmology : Premium - Internet*  
*Clinical and Experimental Pharmacology and Physiology - Print & Premium – Internet / Clinical and Experimental Pharmacology and Physiology & Supplements / Clinical and Experimental Pharmacology and Physiology : Premium - Internet*  
*Clinical and Laboratory Haematology / Clinical and Laboratory Haematology - Print & Premium – Internet / Clinical and Laboratory Haematology : Premium - Internet*  
*Clinical Endocrinology – Oxford / Clinical Endocrinology - Oxford - Print & Premium – Internet / Clinical Endocrinology - Oxford : Premium - Internet*  
*Clinical Genetics*  
*Clinical Microbiology and Infection / Clinical Microbiology and Infection - Print & Premium – Internet / Clinical Microbiology and Infection : Premium - Internet*  
*Clinical Oral Implant Research*  
*Clinical Otolaryngology and Allied Sciences / Clinical Otolaryngology and Allied Sciences - Print & Premium – Internet / Clinical Otolaryngology and Allied Sciences : Premium - Internet*  
*Clinical Physiology and Functional Imaging / Clinical Physiology and Functional Imaging - Print & Premium – Internet / Clinical Physiology and Functional Imaging : Premium - Internet*  
*Clinical Transplantation*  
*Colorectal Disease / Colorectal Disease - Print & Premium – Internet / Colorectal Disease : Premium - Internet*  
*Community Dentistry and Oral Epidemiology*

*Conservation Biology / Conservation Biology - Print & Premium – Internet / Conservation Biology : Premium - Internet*  
*Contact Dermatitis*  
*Cytopathology / Cytopathology - Print & Premium – Internet / Cytopathology : Premium - Internet*  
*Dental Traumatology*  
*Dermatologic Surgery / Dermatologic Surgery - Print & Premium – Internet / Dermatologic Surgery : Premium - Internet*  
*Dermatologic Therapy*  
*Development Growth and Differentiation / Development Growth and Differentiation - Print & Premium – Internet / Development Growth and Differentiation : Premium - Internet*  
*Developmental Science*  
*Diabetes Obesity and Metabolism / Diabetes Obesity and Metabolism - Print & Premium – Internet / Diabetes Obesity and Metabolism : Premium - Internet*  
*Diabetic Medicine / Diabetic Medicine - Print & Premium – Internet / Diabetic Medicine : Premium - Internet*  
*Differentiation*  
*Digestive Endoscopy*  
*Diseases of the Esophagus*  
*Echocardiography*  
*Ecological Entomology / Ecological Entomology - Print & Premium – Internet / Ecological Entomology : Premium - Internet*  
*Ecological Research / Ecological Research - Print & Premium – Internet / Ecological Research : Premium - Internet*  
*Ecology Letters / Ecology Letters - Print & Premium – Internet / Ecology Letters : Premium - Internet*  
*Emergency Medicine - Carlton - Print & Premium - Internet*  
*Emergency Medicine Australasia / Emergency Medicine Australasia : Premium - Internet*  
*Entomologia Experimentalis et Applicata / Entomologia Experimentalis et Applicata - Print & Premium – Internet / Entomologia Experimentalis et Applicata : Premium - Internet*  
*Entomological Science & Japanese Journal of Entomology - New Series*  
*Environmental Microbiology / Environmental Microbiology - Print & Premium – Internet / Environmental Microbiology : Premium - Internet*  
*Epilepsia / Epilepsia - Print & Premium - Internet*  
*Ethology / Ethology : Premium - Internet*  
*European Journal of Biochemistry / European Journal of Biochemistry - Print & Premium – Internet / European Journal of Biochemistry : Premium - Internet*  
*European Journal of Cancer Care - English Edition / European Journal of Cancer Care - English Edition - Print & Premium – Internet / European Journal of Cancer Care - English Edition : Premium - Internet*  
*European Journal of Clinical Investigation / European Journal of Clinical Investigation - Print & Premium – Internet / European Journal of Clinical Investigation : Premium - Internet*  
*European Journal of Dental Education*  
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*Human Movement Science*  
*Il Farmaco*  
*Immunology Letters*  
*Implantodontie*  
*Infant Behavior and Development*  
*Injury - International Journal for the Care of the Injured*  
*Insect Biochemistry and Molecular Biology*  
*Insect Biochemistry and Molecular Biology & Journal of Insect Physiology*  
*Intelligence - Kidlington*  
*Intensive and Critical Care Nursing*  
*International Biodeterioration and Biodegradation*  
*International Journal for Parasitology*  
*International Journal of Antimicrobial Agents*  
*International Journal of Aromatherapy*  
*International Journal of Biochemistry and Cell Biology*  
*International Journal of Biological Macromolecules*  
*International Journal of Cardiology*  
*International Journal of Drug Policy*  
*International Journal of Gynaecology and Obstetrics*  
*International Journal of Nursing Studies*  
*International Journal of Obstetric Anesthesia*  
*International Journal of Oral and Maxillofacial Surgery*  
*International Journal of Pediatric Otorhinolaryngology*  
*International Journal of Psychophysiology*  
*International Journal of Radiation Oncology Biology Physics*  
*Joint Bone Spine*  
*Journal of Adolescence*  
*Journal of Affective Disorders*  
*Journal of Aging Studies*

*Journal of Anxiety Disorders*  
*Journal of Applied Developmental Psychology*  
*Journal of Arid Environments*  
*Journal of Autoimmunity*  
*Journal of Behavior Therapy and Experimental Psychiatry*  
*Journal of Biochemical and Biophysical Methods*  
*Journal of Biomechanics*  
*Journal of Bioscience and Bioengineering*  
*Journal of Biotechnology*  
*Journal of Bodywork and Movement Therapies*  
*Journal of Chemical Neuroanatomy*  
*Journal of Chromatography - B*  
*Journal of Clinical Anesthesia - Kidlington*  
*Journal of Clinical Neuroscience*  
*Journal of Clinical Virology*  
*Journal of Comparative Pathology*  
*Journal of Cranio Maxillo Facial Surgery*  
*Journal of Dentistry*  
*Journal of Dermatological Science*  
*Journal of Diabetes and its Complications*  
*Journal of Electromyography and Kinesiology*  
*Journal of Ethnopharmacology*  
*Journal of Experimental Child Psychology*  
*Journal of Experimental Marine Biology and Ecology*  
*Journal of Experimental Social Psychology*  
*Journal of Feline Medicine and Surgery - European Society of Feline Medicine*  
*Journal of Gastrointestinal Surgery*  
*Journal of Hand Surgery - British and European Volume / Journal of Hand Surgery - British and European Volume  
& American Volume*  
*Journal of Hepatology*  
*Journal of Hospital Infection*  
*Journal of Immunological Methods*  
*Journal of Infection*  
*Journal of Inorganic Biochemistry*  
*Journal of Insect Physiology*  
*Journal of Invertebrate Pathology*  
*Journal of Magnetic Resonance*  
*Journal of Mathematical Behavior*  
*Journal of Microbiological Methods*  
*Journal of Molecular and Cellular Cardiology*  
*Journal of Molecular Biology*  
*Journal of Molecular Catalysis - B - Enzymatic*  
*Journal of Molecular Graphics and Modelling*  
*Journal of Neuroimmunology*  
*Journal of Neuroscience Methods*  
*Journal of Nutritional Biochemistry*  
*Journal of Orthopaedic Nursing*  
*Journal of Orthopaedic Research*  
*Journal of Pain and Symptom Management*  
*Journal of Pharmacological and Toxicological Methods*  
*Journal of Photochemistry and Photobiology - B - Biology*  
*Journal of Physiology - Paris*  
*Journal of Psychiatric Research*  
*Journal of Psychosomatic Research*  
*Journal of Reproductive Immunology*  
*Journal of Research in Personality*  
*Journal of School Psychology - Kidlington*  
*Journal of Sea Research*  
*Journal of Steroid Biochemistry and Molecular Biology*  
*Journal of Stored Products Research*

*Journal of Structural Biology*  
*Journal of Substance Abuse Treatment*  
*Journal of Surgical Research*  
*Journal of the Neurological Sciences*  
*Journal of Theoretical Biology*  
*Journal of Thermal Biology*  
*Journal of Virological Methods*  
*Journal of Vocational Behavior*  
*Knee*  
*Landscape and Urban Planning*  
*Learning and Individual Differences*  
*Learning and Motivation*  
*Leukemia Research*  
*Life Sciences*  
*Lung Cancer - Kidlington*  
*Magnetic Resonance Imaging*  
*Manual Therapy*  
*Mathematical Biosciences*  
*Matrix Biology - Journal of the International Society for Matrix Biology*  
*Maturitas*  
*Medecine et Droit*  
*Medecine et Maladies Infectieuses*  
*Medical Dosimetry*  
*Medical Engineering and Physics*  
*Medical Hypotheses*  
*Metabolic Engineering*  
*Methods - a Companion to Methods in Enzymology*  
*Microbes and Infection*  
*Microbial Pathogenesis*  
*Microvascular Research*  
*Midwifery*  
*Molecular and Biochemical Parasitology*  
*Molecular and Cellular Endocrinology*  
*Molecular and Cellular Probes*  
*Molecular Aspects of Medicine*  
*Molecular Brain Research*  
*Molecular Genetics and Metabolism*  
*Molecular Imaging and Biology*  
*Molecular Immunology*  
*Molecular Phylogenetics and Evolution*  
*Molecular Therapy*  
*Mutation Research - Genetic Toxicology and Environmental Mutagenesis*  
*Mutation Research - Reviews*  
*Neurobiology of Aging*  
*Neurobiology of Disease*  
*Neurobiology of Learning and Memory*  
*Neurochemistry International*  
*NeuroImage*  
*Neuromuscular Disorders*  
*Neuropeptides - Orlando*  
*Neuropharmacology*  
*Neurophysiologie Clinique - Clinical Neurophysiology*  
*Neuropsychiatrie de l'Enfance et de l'Adolescence*  
*Neuropsychologia - International Journal in Behaviour and Cognitive Neuroscience*  
*Neuroscience*  
*Neuroscience and Biobehavioral Reviews*  
*Neuroscience Letters & Supplements*  
*Neuroscience Research & Supplements*  
*Neurotoxicology and Teratology*  
*New Ideas in Psychology*

*Nitric Oxide - Part B of Archives of Biochemistry and Biophysics*  
*Nuclear Medicine and Biology*  
*Nutrition - New York*  
*Nutrition Research*  
*Option Bio*  
*Oral Oncology*  
*Osteoarthritis and Cartilage*  
*Paediatric Respiratory Reviews*  
*Pain - Journal of the International Association for the Study of Pain*  
*Parasitology International*  
*Parkinsonism and Related Disorders*  
*Pathologie Biologie*  
*Pathophysiology*  
*Patient Education and Counseling*  
*Pediatric Neurology*  
*Peptides - New York*  
*Personality and Individual Differences*  
*Pesticide Biochemistry and Physiology*  
*Pharmacological Research*  
*Pharmacology Biochemistry and Behavior*  
*Physical Therapy in Sport*  
*Physiological and Molecular Plant Pathology*  
*Physiology and Behavior*  
*Phytochemistry*  
*Placenta*  
*Plant Science - Kidlington*  
*Plasmid - International Journal devoted to Extrachromosomal Gene Systems*  
*Pratiques Psychologiques*  
*Preventive Medicine*  
*Preventive Veterinary Medicine*  
*Process Biochemistry*  
*Progress in Biophysics and Molecular Biology*  
*Progress in Lipid Research*  
*Progress in Neuro Psychopharmacology and Biological Psychiatry*  
*Progress in Neurobiology*  
*Progress in Pediatric Cardiology*  
*Progress in Retinal and Eye Research*  
*Prostaglandins and Other Lipid Mediators*  
*Prostaglandins Leukotrienes and Essential Fatty Acids*  
*Protein Expression and Purification*  
*Psychiatry Research - Neuroimaging Section*  
*Psychiatry Research - Regular Section Only*  
*Psychologie Francaise*  
*Psychology of Sport and Exercise*  
*Psychoneuroendocrinology*  
*Public Health*  
*Pulmonary Pharmacology and Therapeutics*  
*Radiography - Sidcup*  
*Radiotherapy and Oncology*  
*RBM News - Revue Europeenne de Technologie Biomedicale*  
*Reanimation*  
*Regulatory Peptides*  
*Regulatory Toxicology and Pharmacology*  
*Reproductive Toxicology*  
*Research in Microbiology*  
*Research in Microbiology & Microbes and Infection*  
*Research in Veterinary Science*  
*Respiratory Medicine*  
*Respiratory Physiology and Neurobiology*  
*Resuscitation*

*Revue de l'Infirmiere et Supplements*  
*Revue de Medecine Interne*  
*Revue du Rhumatisme - Edition Francaise / Revue du Rhumatisme - Edition Francaise & Supplements*  
*Revue Francaise d'Allergologie et d'Immunologie Clinique*  
*Schizophrenia Research*  
*Seizure*  
*Seminars in Cancer Biology*  
*Seminars in Cell and Developmental Biology*  
*Seminars in Immunology*  
*Seminars in Neonatology*  
*Sleep Medicine*  
*Sleep Medicine Reviews*  
*Social Science and Medicine*  
*Steroids*  
*Surgical Neurology*  
*Surgical Oncology*  
*Theoretical Population Biology*  
*Theriogenology*  
*Thrombosis Research & Supplements & Vessels*  
*Tissue and Cell*  
*Toxicology - Kidlington*  
*Toxicology and Applied Pharmacology*  
*Toxicology in Vitro*  
*Toxicology Letters*  
*Toxicon*  
*Transactions of the Royal Society of Tropical Medicine and Hygiene*  
*Transfusion and Apheresis Science*  
*Transfusion Clinique et Biologique*  
*Transplant Immunology*  
*Trends in Biochemical Sciences*  
*Trends in Biotechnology*  
*Trends in Cardiovascular Medicine*  
*Trends in Cell Biology*  
*Trends in Cognitive Sciences*  
*Trends in Ecology and Evolution*  
*Trends in Endocrinology and Metabolism*  
*Trends in Genetics*  
*Trends in Immunology*  
*Trends in Microbiology*  
*Trends in Molecular Medicine*  
*Trends in Neurosciences*  
*Trends in Parasitology*  
*Trends in Pharmacological Sciences*  
*Tuberculosis*  
*Vaccine*  
*Vascular Pharmacology*  
*Veterinary Immunology and Immunopathology*  
*Veterinary Journal*  
*Veterinary Microbiology*  
*Veterinary Parasitology*  
*Virology - Orlando*  
*Virus Research*  
*Vision Research*

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*Bulletin of the History of Medicine / Bulletin of the History of Medicine - Print & Internet / Bulletin of the History of Medicine : Internet*  
*Perspectives in Biology and Medicine : Internet*  
*Philosophy Psychiatry and Psychology / Philosophy Psychiatry and Psychology - Print & Internet / Philosophy Psychiatry and Psychology : Internet*

**Kluwer**

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*Administration and Policy in Mental Health / Administration and Policy in Mental Health : Internet*  
*Aerobiologia - International Journal of Aerobiology / Aerobiologia - International Journal of Aerobiology : Internet*  
*Aids and Behavior / Aids and Behavior : Internet*  
*American Journal of Community Psychology / American Journal of Community Psychology : Internet*  
*American Journal of Psychoanalysis / American Journal of Psychoanalysis : Internet*  
*Angiogenesis / Angiogenesis : Internet*  
*Annals of Biomedical Engineering*  
*Antonie van Leeuwenhoek - International Journal General Molec Microbiol & Biodegradation / Antonie van Leeuwenhoek : Internet*  
*Apoptosis – Dordrecht / Apoptosis - Dordrecht : Internet*  
*Applied Biochemistry and Microbiology*  
*Applied Psychophysiology and Biofeedback*  
*Aquatic Ecology / Aquatic Ecology : Internet*  
*Archives of Sexual Behavior / Archives of Sexual Behavior : Internet*  
*Behavior Genetics / Behavior Genetics : Internet*  
*Biochemical Genetics / Biochemical Genetics : Internet*  
*Biochemistry - New York - English Translation of Biokhimiya*  
*BioControl - Journal of the International Organisation for Biological Control / BioControl - Journal of the International Organisation for Biological Control : Internet*  
*Biodegradation / Biodegradation : Internet*  
*Biodiversity and Conservation / Biodiversity and Conservation : Internet*  
*Biogerontology / Biogerontology : Internet*  
*Biologia Plantarum / Biologia Plantarum : Internet*  
*Biological Invasions / Biological Invasions : Internet*  
*Biomedical Engineering - New York*  
*Biomedical Microdevices / Biomedical Microdevices : Internet*  
*BioMetals / BioMetals : Internet*  
*Bioscience Reports / Bioscience Reports : Internet*  
*Biotechnology Letters / Biotechnology Letters : Internet*  
*Brain Topography - Journal of Functional Neurophysiology / Brain Topography - Journal of Functional Neurophysiology : Internet*  
*Breast Cancer Research and Treatment / Breast Cancer Research and Treatment : Internet*  
*Bulletin of Experimental Biology and Medicine*  
*Cancer and Metastasis Reviews / Cancer and Metastasis Reviews : Internet*  
*Cancer Causes and Control / Cancer Causes and Control : Internet*  
*Cardiac Electrophysiology Review / Cardiac Electrophysiology Review : Internet*  
*Cardiovascular Drugs and Therapy / Cardiovascular Drugs and Therapy : Internet*  
*Cell and Tissue Banking*  
*Cell Biology and Toxicology / Cell Biology and Toxicology : Internet*  
*Cellular and Molecular Neurobiology / Cellular and Molecular Neurobiology : Internet*  
*Child Psychiatry and Human Development / Child Psychiatry and Human Development : Internet*  
*Chromosome Research / Chromosome Research : Internet*  
*Clinical and Experimental Metastasis / Clinical and Experimental Metastasis : Internet*  
*Clinical Child and Family Psychology Review / Clinical Child and Family Psychology Review : Internet*  
*Cognitive Therapy and Research / Cognitive Therapy and Research : Internet*  
*Community Mental Health Journal / Community Mental Health Journal : Internet*  
*Conservation Genetics / Conservation Genetics : Internet*  
*Cytotechnology / Cytotechnology : Internet*  
*Digestive Diseases and Sciences / Digestive Diseases and Sciences : Internet*  
*Documenta Ophthalmologica / Documenta Ophthalmologica : Internet*  
*Doklady Biochemistry and Biophysics*  
*Doklady Biological Sciences*  
*Ecotoxicology / Ecotoxicology : Internet*  
*Educational Psychology Review / Educational Psychology Review : Internet*  
*Environmental Biology of Fishes / Environmental Biology of Fishes : Internet*  
*European Journal of Epidemiology / European Journal of Epidemiology : Internet*  
*Evolutionary Ecology / Evolutionary Ecology : Internet*  
*Experimental and Applied Acarology / Experimental and Applied Acarology : Internet*

*Familial Cancer / Familial Cancer : Internet*  
*Fish Physiology and Biochemistry / Fish Physiology and Biochemistry : Internet*  
*Genetic Programming and Evolvable Machines / Genetic Programming and Evolvable Machines : Internet*  
*Glycoconjugate Journal / Glycoconjugate Journal : Internet*  
*Health Care Analysis / Health Care Analysis : Internet*  
*Health Care Management Science*  
*Health Services and Outcomes Research Methodology / Health Services and Outcomes Research Methodology : Internet*  
*Heart Failure Reviews / Heart Failure Reviews : Internet*  
*HEC Forum / HEC Forum : Internet*  
*Human Physiology*  
*Hydrobiologia / Hydrobiologia : Internet*  
*Inflammation / Inflammation : Internet*  
*Integrated Pest Management Reviews / Integrated Pest Management Reviews : Internet*  
*International Journal for the Advancement of Counselling / International Journal for the Advancement of Counselling : Internet*  
*International Journal of Cardiovascular Imaging / International Journal of Cardiovascular Imaging : Internet*  
*International Journal of Primatology / International Journal of Primatology : Internet*  
*International Ophthalmology / International Ophthalmology : Internet*  
*International Urology and Nephrology / International Urology and Nephrology : Internet*  
*Investigational New Drugs - Journal of Anti Cancer Agents / Investigational New Drugs - Journal of Anti Cancer Agents : Internet*  
*Japanese Heart Journal*  
*Journal of Abnormal Child Psychology / Journal of Abnormal Child Psychology : Internet*  
*Journal of Adult Development / Journal of Adult Development : Internet*  
*Journal of Applied Psychology / Journal of Applied Psychology : Internet*  
*Journal of Assisted Reproduction and Genetics / Journal of Assisted Reproduction and Genetics : Internet*  
*Journal of Autism and Developmental Disorders / Journal of Autism and Developmental Disorders : Internet*  
*Journal of Behavioral Education / Journal of Behavioral Education : Internet*  
*Journal of Behavioral Medicine / Journal of Behavioral Medicine : Internet*  
*Journal of Bioenergetics and Biomembranes / Journal of Bioenergetics and Biomembranes : Internet*  
*Journal of Biological Physics / Journal of Biological Physics : Internet*  
*Journal of Biomolecular NMR / Journal of Biomolecular NMR : Internet*  
*Journal of Career Development / Journal of Career Development : Internet*  
*Journal of Chemical Ecology / Journal of Chemical Ecology : Internet*  
*Journal of Clinical Immunology / Journal of Clinical Immunology : Internet*  
*Journal of Clinical Monitoring and Computing / Journal of Clinical Monitoring and Computing : Internet*  
*Journal of Clinical Psychology in Medical Settings / Journal of Clinical Psychology in Medical Settings : Internet*  
*Journal of Community Health / Journal of Community Health : Internet*  
*Journal of Computer Aided Molecular Design / Journal of Computer Aided Molecular Design : Internet*  
*Journal of Contemporary Psychotherapy / Journal of Contemporary Psychotherapy : Internet*  
*Journal of Cross-Cultural Gerontology / Journal of Cross-Cultural Gerontology : Internet*  
*Journal of Developmental and Physical Disabilities / Journal of Developmental and Physical Disabilities : Internet*  
*Journal of Evolutionary Biochemistry and Physiology*  
*Journal of Fluorescence / Journal of Fluorescence : Internet*  
*Journal of Gambling Studies / Journal of Gambling Studies : Internet*  
*Journal of Genetic Counseling / Journal of Genetic Counseling : Internet*  
*Journal of Happiness Studies / Journal of Happiness Studies : Internet*  
*Journal of Immigrant Health / Journal of Immigrant Health : Internet*  
*Journal of Inherited Metabolic Disease / Journal of Inherited Metabolic Disease : Internet*  
*Journal of Insect Behavior / Journal of Insect Behavior : Internet*  
*Journal of Insect Conservation / Journal of Insect Conservation : Internet*  
*Journal of Interventional Cardiac Electrophysiology / Journal of Interventional Cardiac Electrophysiology : Internet*  
*Journal of Mammalian Evolution / Journal of Mammalian Evolution : Internet*  
*Journal of Mammary Gland Biology and Neoplasia / Journal of Mammary Gland Biology and Neoplasia : Internet*  
*Journal of Materials Science - Materials in Medicine / Journal of Materials Science - Materials in Medicine : Internet*  
*Journal of Medical Humanities / Journal of Medical Humanities : Internet*  
*Journal of Medical Systems / Journal of Medical Systems : Internet*

*Journal of Molecular Histology / Journal of Molecular Histology : Internet*  
*Journal of Muscle Research and Cell Motility / Journal of Muscle Research and Cell Motility : Internet*  
*Journal of Neurocytology / Journal of Neurocytology : Internet*  
*Journal of Neurooncology / Journal of Neurooncology : Internet*  
*Journal of Nonverbal Behavior / Journal of Nonverbal Behavior : Internet*  
*Journal of Occupational Rehabilitation / Journal of Occupational Rehabilitation : Internet*  
*Journal of Pharmacokinetics and Pharmacodynamics / Journal of Pharmacokinetics and Pharmacodynamics : Internet*  
*Journal of Primary Prevention / Journal of Primary Prevention : Internet*  
*Journal of Psychopathology and Behavior Assessment / Journal of Psychopathology and Behavior Assessment : Internet*  
*Journal of Rational Emotive and Cognitive Behavior Therapy / Journal of Rational Emotive and Cognitive Behavior Therapy : Internet*  
*Journal of Religion and Health / Journal of Religion and Health : Internet*  
*Journal of the History of Biology / Journal of the History of Biology : Internet*  
*Journal of Thrombosis and Thrombolysis / Journal of Thrombosis and Thrombolysis : Internet*  
*Journal of Traumatic Stress / Journal of Traumatic Stress : Internet*  
*Journal of Youth and Adolescence / Journal of Youth and Adolescence : Internet*  
*Landscape Ecology / Landscape Ecology : Internet*  
*Maternal and Child Health Journal / Maternal and Child Health Journal : Internet*  
*Metabolic Brain Disease / Metabolic Brain Disease : Internet*  
*Microbiology - New York*  
*Molecular and Cellular Biochemistry / Molecular and Cellular Biochemistry : Internet*  
*Molecular Biology*  
*Molecular Biology Reports / Molecular Biology Reports : Internet*  
*Molecular Diversity / Molecular Diversity : Internet*  
*Motivation and Emotion / Motivation and Emotion : Internet*  
*Mycopathologia / Mycopathologia : Internet*  
*Neural Processing Letters : Internet*  
*Neurochemical Research / Neurochemical Research : Internet*  
*Neurophysiology - New York*  
*Neuropsychology Review / Neuropsychology Review : Internet*  
*Neuroscience and Behavioral Physiology*  
*Origins of Life and Evolution of the Biosphere / Origins of Life and Evolution of the Biosphere : Internet*  
*Pastoral Psychology / Pastoral Psychology : Internet*  
*Pharmaceutical Chemistry Journal*  
*Photosynthesis Research*  
*Photosynthetica / Photosynthetica : Internet*  
*Pituitary / Pituitary : Internet*  
*Plant Cell Tissue and Organ Culture / Plant Cell Tissue and Organ Culture : Internet*  
*Plant Ecology / Plant Ecology : Internet*  
*Plant Growth Regulation / Plant Growth Regulation : Internet*  
*Plant Molecular Biology / Plant Molecular Biology : Internet*  
*Prevention Science*  
*Protein Journal / Protein Journal : Internet*  
*Psychiatric Quarterly / Psychiatric Quarterly : Internet*  
*Quality of Life Research / Quality of Life Research : Internet*  
*Radiochemistry*  
*Reviews in Endocrine and Metabolic Disorders / Reviews in Endocrine and Metabolic Disorders : Internet*  
*Russian Journal of Bioorganic Chemistry*  
*Russian Journal of Developmental Biology*  
*Russian Journal of Ecology*  
*Russian Journal of Genetics*  
*Russian Journal of Marine Biology*  
*Russian Journal of Plant Physiology*  
*Sex Roles - A Journal of Research / Sex Roles - A Journal of Research : Internet*  
*Sexual Abuse - a Journal of Research and Treatment / Sexual Abuse - a Journal of Research and Treatment : Internet*  
*Sexuality and Disability / Sexuality and Disability : Internet*

*Somatic Cell and Molecular Genetics / Somatic Cell and Molecular Genetics - Print & Internet / Somatic Cell and Molecular Genetics : Internet*  
*Substance Abuse*  
*Systematic Parasitology / Systematic Parasitology : Internet*  
*Transgenic Research / Transgenic Research : Internet*  
*Tropical Animal Health and Production / Tropical Animal Health and Production : Internet*  
*Veterinary Research Communications / Veterinary Research Communications : Internet*  
*Virus Genes / Virus Genes : Internet*  
*Wetlands Ecology and Management / Wetlands Ecology and Management : Internet*  
*World Journal of Microbiology and Biotechnology / World Journal of Microbiology and Biotechnology : Internet*

## **Lippincott**

*AACN Clinical Issues - Advanced Practice in Acute and Critical Care*  
*Academic Physician and Scientist*  
*Advances in Anatomic Pathology*  
*Advances in Nursing Science*  
*Advances in Skin and Wound Care*  
*Adverse Drug Reaction Bulletin - Hagerstown*  
*AIDS - an International Monthly Journal*  
*Alzheimer Disease and Associated Disorders*  
*American Journal of Clinical Oncology*  
*American Journal of Dermatopathology*  
*American Journal of Forensic Medicine and Pathology*  
*American Journal of Physical Medicine and Rehabilitation*  
*American Journal of Surgical Pathology*  
*American Journal of the Medical Sciences*  
*American Journal of Therapeutics*  
*Anesthesia and Analgesia*  
*Anesthesiology - Hagerstown*  
*Annals of Plastic Surgery*  
*Annals of Surgery*  
*Annals of Surgical Oncology*  
*Anti Cancer Drugs*  
*Applied Immunohistochemistry and Molecular Morphology*  
*Arteriosclerosis Thrombosis and Vascular Biology*  
*ASA Refresher Courses in Anesthesiology - American Society of Anesthesiology*  
*ASAIO Journal*  
*AUA News - American Urological Association*  
*Back Letter*  
*Behavioural Pharmacology*  
*Blood Coagulation and Fibrinolysis*  
*Blood Pressure Monitoring*  
*Bone and Joint - The Newsletter on Musculoskeletal Medicine*  
*Ca - a Cancer Journal for Clinicians*  
*Cancer Nursing*  
*Cardiology in Review*  
*CCNQ - Critical Care Nursing Quarterly*  
*CIN - Computers Informatics Nursing*  
*Circulation - Hagerstown*  
*Circulation Research*  
*Clinical Dismorphology*  
*Clinical Journal of Pain*  
*Clinical Journal of Sport Medicine*  
*Clinical Neuropharmacology*  
*Clinical Nuclear Medicine*  
*Clinical Obstetrics and Gynecology*  
*Clinical Orthopaedics and Related Research*  
*Clinical Pulmonary Medicine*  
*CNS - Journal for Advanced Nursing Practice*  
*Cognitive and Behavioral Neurology*

*Contemporary Diagnostic Radiology*  
*Contemporary Neurosurgery*  
*Contemporary Oncology*  
*Continuum - Baltimore*  
*Cornea*  
*Coronary Artery Disease*  
*Critical Care Medicine*  
*Current Opinion in Anaesthesiology*  
*Current Opinion in Cardiology*  
*Current Opinion in Clinical Nutrition and Metabolic Care*  
*Current Opinion in Critical Care*  
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*Current Opinion in Gastroenterology*  
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*Current Opinion in Infectious Diseases*  
*Current Opinion in Lipidology*  
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*Current Opinion in Oncology*  
*Current Opinion in Ophthalmology*  
*Current Opinion in Organ Transplantation*  
*Current Opinion in Orthopaedics*  
*Current Opinion in Otolaryngology Head Neck Surgery*  
*Current Opinion in Pediatrics*  
*Current Opinion in Psychiatry*  
*Current Opinion in Pulmonary Medicine*  
*Current Opinion in Rheumatology*  
*Current Opinion in Urology*  
*Diagnostic Molecular Pathology*  
*Dimensions of Critical Care Nursing*  
*Drugs in Pregnancy and Lactation*  
*Drugs in Pregnancy and Lactation - Quarterly*  
*Ear and Hearing*  
*Emergency Medicine News*  
*Endocrinologist*  
*Epidemiology - Baltimore*  
*European Journal of Cancer Prevention*  
*European Journal of Cardiovascular Prevention and Rehabilitation*  
*European Journal of Emergency Medicine*  
*European Journal of Gastroenterology and Hepatology*  
*Evidence-Based Eye Care*  
*Exercise and Sports Sciences Reviews*  
*Eye and Contact Lens*  
*Gastroenterology Nursing & GI Buyer's Guide*  
*Genetics in Medicine*  
*Health Care Management Review*  
*Health Care Manager*  
*Heart Disease - a Journal of Cardiovascular Medicine*  
*Holistic Nursing Practice*  
*Home Healthcare Nurse*  
*Hospital Pharmacy*  
*Hypertension*  
*Implant Dentistry*  
*Infectious Diseases in Clinical Practice*  
*Inflammatory Bowel Diseases*  
*International Anesthesiology Clinics*  
*International Clinical Psychopharmacology*  
*International Drug Therapy Newsletter*  
*International Journal of Rehabilitation Research*

*International Ophthalmology Clinics*  
*Investigative Radiology*  
*JCR - Journal of Clinical Rheumatology*  
*Journal for Nurses in Staff Development*  
*Journal of Acquired Immune Deficiency Syndromes*  
*Journal of Ambulatory Care Management*  
*Journal of Behavioral Health Services and Research*  
*Journal of Bronchology*  
*Journal of Burn Care and Rehabilitation*  
*Journal of Cardiovascular Nursing*  
*Journal of Cardiovascular Pharmacology & Supplements*  
*Journal of Cerebral Blood Flow and Metabolism*  
*Journal of Clinical Engineering*  
*Journal of Clinical Gastroenterology*  
*Journal of Clinical Neuromuscular Disease*  
*Journal of Clinical Neurophysiology*  
*Journal of Clinical Psychopharmacology*  
*Journal of Computer Assisted Tomography*  
*Journal of Craniofacial Surgery*  
*Journal of Developmental and Behavioral Pediatrics*  
*Journal of ECT*  
*Journal of Endodontics*  
*Journal of Glaucoma*  
*Journal of Head Trauma Rehabilitation*  
*Journal of Hospice and Palliative Nursing*  
*Journal of Hypertension*  
*Journal of Immunotherapy*  
*Journal of Infusion Nursing*  
*Journal of Lower Genital Tract Disease*  
*Journal of Nervous and Mental Disease*  
*Journal of Neuro Ophthalmology*  
*Journal of Neurosurgical Anesthesiology*  
*Journal of Nursing Administration & JONA's Healthcare Law Ethics and Regulation*  
*Journal of Occupational and Environmental Medicine*  
*Journal of Orthopaedic Trauma*  
*Journal of Pediatric Gastroenterology and Nutrition*  
*Journal of Pediatric Hematology Oncology*  
*Journal of Pediatric Orthopaedics*  
*Journal of Pediatric Orthopaedics - Part B*  
*Journal of Pelvic Medicine and Surgery*  
*Journal of Perinatal and Neonatal Nursing*  
*Journal of Prosthetics and Orthotics*  
*Journal of Psychiatric Practice*  
*Journal of Spinal Disorders and Techniques*  
*Journal of the American Academy of Child and Adolescent Psychiatry*  
*Journal of the American Medical Directors Association*  
*Journal of the American Society of Nephrology*  
*Journal of Thoracic Imaging*  
*Journal of Trauma - Injury Infection and Critical Care*  
*Journal of Urology*  
*Journal of Vascular and Interventional Radiology*  
*Journal of Women's Imaging*  
*Laryngoscope*  
*Lippincott's Case Management*  
*MCN - American Journal of Maternal Child Nursing*  
*Medical Care*  
*Medicine - Baltimore*  
*Melanoma Research*  
*Menopause - the Journal of the North American Menopause Society*  
*Neurologist*

*Neurology*  
*NeuroReport*  
*Neurosurgery - Hagerstown*  
*Neurosurgery Quarterly*  
*Nuclear Medicine Communications*  
*Nurse Educator*  
*Nursing Administration Quarterly*  
*Nursing Research - Hagerstown*  
*Nutrition and the MD*  
*Nutrition Today*  
*OB Gyn Malpractice Prevention*  
*Obstetric Anesthesia Digest*  
*Obstetrical and Gynecological Survey*  
*Obstetrics and Gynecology - New York*  
*Oncology Times*  
*Ophthalmic Plastic and Reconstructive Surgery*  
*Optometry and Vision Science*  
*Orthopaedic Nursing Journal*  
*Otology and Neurotology*  
*Outcomes Management*  
*Pancreas*  
*Pathology Case Reviews*  
*Pediatric Emergency Care*  
*Pediatric Infectious Disease Journal*  
*Pediatric Physical Therapy*  
*Pediatric Research*  
*Pharmacogenetics*  
*Plastic and Reconstructive Surgery*  
*Plastic Surgical Nursing*  
*Primary Care Case Reviews*  
*Problems in General Surgery*  
*Psychiatric Genetics*  
*Psychosomatic Medicine*  
*Quality Letter for Healthcare Leaders*  
*Quality Management in Health Care*  
*Radiologist*  
*RETINA - American Journal of Retinal and Vitreous Diseases*  
*Reviews in Medical Microbiology*  
*Sexually Transmitted Diseases*  
*Shock*  
*Southern Medical Journal*  
*Spine - Hagerstown*  
*Sports Medicine Digest*  
*Stroke - a Journal of Cerebral Circulation*  
*Surgical Laparoscopy Endoscopy and Percutaneous Techniques*  
*Survey of Anesthesiology*  
*Techniques in Hand and Upper Extremity Surgery*  
*Techniques in Neurosurgery*  
*Techniques in Orthopaedics*  
*Techniques in Shoulder and Elbow Surgery*  
*Therapeutic Drug Monitoring*  
*Topics in Emergency Medicine*  
*Topics in Language Disorders*  
*Transplantation - Baltimore*

## **Nature**

*Bone Marrow Transplantation & Supplements / Bone Marrow Transplantation : Internet*  
*British Dental Journal / British Dental Journal : Internet*  
*British Journal of Cancer & Supplements*  
*British Journal of Pharmacology & Proceedings Supplement / British Journal of Pharmacology : Internet*

*Cancer Gene Therapy*  
*Care of the Critically Ill*  
*Cell Death and Differentiation / Cell Death and Differentiation : Internet*  
*European Journal of Clinical Nutrition / European Journal of Clinical Nutrition : Internet*  
*European Journal of Human Genetics / European Journal of Human Genetics : Internet*  
*Evidence Based Dentistry : Internet*  
*Eye - An International Journal of Ophthalmology*  
*Gene Therapy / Gene Therapy : Internet*  
*Genes and Immunity*  
*Heredity / Heredity : Internet*  
*International Journal of Impotence Research / International Journal of Impotence Research : Internet*  
*International Journal of Obesity and Related Metabolic Disorders / International Journal of Obesity and Related Metabolic Disorders : Internet*  
*Journal of Human Hypertension / Journal of Human Hypertension : Internet*  
*Journal of Perinatology*  
*Leukemia / Leukemia : Internet*  
*Microcirculation*  
*Modern Pathology*  
*Molecular Psychiatry / Molecular Psychiatry : Internet*  
*Nature Biotechnology*  
*Nature Cell Biology*  
*Nature Genetics*  
*Nature Immunology*  
*Nature Medicine*  
*Nature Neuroscience*  
*Nature Structural and Molecular Biology*  
*Neuropsychopharmacology*  
*Oncogene and Oncogene Reviews / Oncogene and Oncogene Reviews : Internet*  
*Prostate Cancer and Prostatic Diseases / Prostate Cancer and Prostatic Diseases : Internet*  
*Spinal Cord / Spinal Cord : Internet*

## **OUP**

*Age and Ageing / Age and Ageing : Internet*  
*American Journal of Epidemiology & Epidemiologic Reviews*  
*Annals of Botany*  
*Annals of Occupational Hygiene*  
*Annals of Oncology - English Edition / Annals of Oncology - English Edition : Internet*  
*Behavioral Ecology / Behavioral Ecology : Internet*  
*Bioinformatics – Oxford / Bioinformatics - Oxford : Internet*  
*Biometrika*  
*Brain / Brain : Internet*  
*British Journal of Anaesthesia*  
*British Medical Bulletin*  
*Cancer Science*  
*Carcinogenesis/ / Carcinogenesis : Internet*  
*Cerebral Cortex / Cerebral Cortex : Internet*  
*Chemical Senses / Chemical Senses : Internet*  
*Clinical Psychology - Science and Practice / Clinical Psychology - Science and Practice : Internet*  
*European Journal of Orthodontics / European Journal of Orthodontics : Internet*  
*European Journal of Public Health / European Journal of Public Health : Internet*  
*Family Practice – Oxford / Family Practice - Oxford : Internet*  
*Glycobiology / Glycobiology : Internet*  
*Health Policy and Planning / Health Policy and Planning : Internet*  
*Health Promotion International / Health Promotion International : Internet*  
*Human Molecular Genetics / Human Molecular Genetics : Internet*  
*Human Reproduction*  
*Human Reproduction Update / Human Reproduction Update : Internet*  
*International Immunology / International Immunology : Internet*  
*International Journal for Quality in Health Care / International Journal for Quality in Health Care : Internet*  
*International Journal of Epidemiology / International Journal of Epidemiology : Internet*

*Japanese Journal of Clinical Oncology / Japanese Journal of Clinical Oncology : Internet*  
*Journal of Antimicrobial Chemotherapy & Supplement / Journal of Antimicrobial Chemotherapy : Internet*  
*Journal of Experimental Botany / Journal of Experimental Botany : Internet*  
*Journal of Heredity / Journal of Heredity : Internet*  
*Journal of Molluscan Studies / Journal of Molluscan Studies : Internet*  
*Journal of Pediatric Psychology / Journal of Pediatric Psychology : Internet*  
*Journal of Plankton Research / Journal of Plankton Research : Internet*  
*Journal of Public Health - Zeitschrift fuer Gesundheitswissenschaften / Journal of Public Health - Zeitschrift fuer Gesundheitswissenschaften : Internet*  
*Journal of the History of Medicine and Allied Sciences*  
*Journal of the National Cancer Institute & Monographs*  
*Journal of Tropical Pediatrics / Journal of Tropical Pediatrics : Internet*  
*Journal of Urban Health*  
*Medical Law Review / Medical Law Review : Internet*  
*Molecular Biology and Evolution*  
*Molecular Human Reproduction / Molecular Human Reproduction : Internet*  
*Mutagenesis / Mutagenesis : Internet*  
*Nephrology Dialysis Transplantation / Nephrology Dialysis Transplantation : Internet*  
*Nucleic Acids Research / Nucleic Acids Research : Internet*  
*Occupational Medicine*  
*Protein Engineering Design and Selection / Protein Engineering Design and Selection : Internet*  
*Psychotherapy Research / Psychotherapy Research : Internet*  
*QJM - Monthly Journal of the Association of Physicians / QJM - Monthly Journal of the Association of Physicians : Internet*  
*Rheumatology - Oxford & Supplements / Rheumatology - Oxford : Internet*  
*Toxicological Sciences / Toxicological Sciences : Internet*

## **Sage**

*Abstracts in Social Gerontology - Current Literature on Aging*  
*Adaptive Behavior*  
*American Behavioral Scientist*  
*Applied Psychological Measurement*  
*Autism*  
*Behavior Modification*  
*Biological Research for Nursing*  
*Clin Alert & Cumulative Index*  
*Clinical Nursing Research*  
*Complementary Health Practice Review*  
*Counseling Psychologist*  
*Culture and Psychology*  
*Emotional and Behavioural Difficulties*  
*Evaluation and the Health Professions*  
*Family Journal*  
*Feminism and Psychology*  
*Graft*  
*Group Analysis*  
*Group Processes and Intergroup Relations*  
*Health : Interdisciplinary Journal for the Social Study of Health Illness and Medicine*  
*Health Education and Behavior*  
*Health Informatics Journal*  
*Health Promotion Practice*  
*Hispanic Journal of Behavioral Sciences*  
*Illness Crisis and Loss*  
*International Journal of Social Psychiatry*  
*JOGNN - Journal of Obstetric Gynecologic and Neonatal Nursing & AWHONN Lifelines*  
*Journal for Specialists in Group Work*  
*Journal of Adolescent Research*  
*Journal of Aging and Health*  
*Journal of Applied Behavioral Science*  
*Journal of Applied Gerontology*

*Journal of Bioactive and Compatible Polymers*  
*Journal of Biological Rhythms*  
*Journal of Biomaterials Applications*  
*Journal of Biomolecular Screening*  
*Journal of Black Psychology*  
*Journal of Career Assessment*  
*Journal of Child Health Care*  
*Journal of Clinical Pharmacology*  
*Journal of Cross Cultural Psychology*  
*Journal of Diagnostic Medical Sonography*  
*Journal of Early Adolescence*  
*Journal of Family Nursing*  
*Journal of Fire Protection Engineering*  
*Journal of Geriatric Psychiatry and Neurology*  
*Journal of Health Psychology - London*  
*Journal of Holistic Nursing*  
*Journal of Human Lactation*  
*Journal of Humanistic Psychology*  
*Journal of Language and Social Psychology*  
*Journal of Neuroimaging*  
*Journal of Pediatric Oncology Nursing*  
*Journal of Pharmacy Practice*  
*Journal of Psychopharmacology*  
*Journal of the Association of Nurses in AIDS Care*  
*Journal of Transcultural Nursing*  
*Medical Care Research and Review*  
*Medical Decision Making*  
*Neurorehabilitation and Neural Repair*  
*Neuroscientist*  
*Nursing Science Quarterly*  
*Personality and Social Psychology Bulletin*  
*Policy Politics and Nursing Practice*  
*Psychology and Developing Societies*  
*Psychology of Music*  
*Qualitative Health Research*  
*Research on Aging*  
*School Psychology International*  
*Sexualities*  
*Small Group Research*  
*Theory and Psychology*  
*Transcultural Psychiatry*  
*Western Journal of Nursing Research*

## **Springer**

*Abdominal Imaging*  
*Acta Diabetologica*  
*Acta Endoscopica*  
*Acta Medica Austriaca*  
*Acta Neurochirurgica*  
*Acta Neuropathologica*  
*Aesthetic Plastic Surgery*  
*Anaesthesist*  
*Analytical and Bioanalytical Chemistry*  
*Anatomy and Embryology - Berlin*  
*Animal Cognition*  
*Annals of Hematology*  
*Annals of Vascular Surgery*  
*Applied Microbiology and Biotechnology*  
*Archives of Dermatological Research*  
*Archives of Gynecology and Obstetrics*

*Archives of Microbiology*  
*Archives of Orthopaedic and Trauma Surgery*  
*Archives of Toxicology / Archives of Toxicology & Supplements*  
*Archives of Virology / Archives of Virology & Archives of Virology – Supplements / Archives of Virology & Archives of Virology - Supplements & Archives of Virology - Internet*  
*Archives of Women's Mental Health*  
*Arthroskopie*  
*Basic Research in Cardiology*  
*Behavioral Ecology and Sociobiology*  
*Bioprocess and Biosystems Engineering*  
*Botanica Helvetica*  
*Brain Tumor Pathology*  
*Bundesgesundheitsblatt Gesundheitsforschung Gesundheitsschutz*  
*Calcified Tissue International*  
*Cancer Chemotherapy and Pharmacology*  
*Cancer Immunology and Immunotherapy*  
*Cardiovascular and Interventional Radiology*  
*Cell and Tissue Research*  
*Chemoecology*  
*Child's Nervous System*  
*Chirurg*  
*Chromatographia*  
*Chromosoma*  
*Clinical and Experimental Nephrology*  
*Clinical Autonomic Research*  
*Clinical Oral Investigations*  
*Clinical Rheumatology*  
*CMLS - Cellular and Molecular Life Sciences*  
*Comparative Clinical Pathology*  
*Coral Reefs - Journal of the International Society for Reef Studies*  
*Current Genetics*  
*Current Microbiology*  
*Deutsche Dermatologie*  
*Development Genes and Evolution*  
*Diabetologia*  
*DNP - Der Neurologe und Pyschiater*  
*Dysphagia*  
*Ecosystems*  
*Emergency Radiology - A Journal of Practical Imaging*  
*Ethik in der Medizin*  
*European Archives of Oto Rhino Laryngology*  
*European Archives of Psychiatry and Clinical Neuroscience*  
*European Biophysics Journal*  
*European Child and Adolescent Psychiatry*  
*European Journal of Applied Physiology*  
*European Journal of Clinical Microbiology and Infectious Diseases*  
*European Journal of Clinical Pharmacology*  
*European Journal of Health Economics - HEPAC*  
*European Journal of Nuclear Medicine and Molecular Imaging*  
*European Journal of Nutrition*  
*European Journal of Orthopaedic Surgery and Traumatology*  
*European Journal of Pediatrics*  
*European Journal of Plastic Surgery*  
*European Journal of Wildlife Research*  
*European Radiology*  
*European Spine Journal*  
*European Surgery*  
*Experimental Brain Research*  
*Extremophiles*  
*Forum der Psychoanalyse*

*Forum der Psychoanalyse & Psychotherapeut*  
*Functional and Integrative Genomics*  
*Gastric Cancer*  
*Gefasschirurgie*  
*Graefe's Archive for Clinical and Experimental Ophthalmology*  
*Gynakologe*  
*Hausarzt - Zeitschrift fur den Hausarzt*  
*Hautarzt*  
*Heart and Vessels*  
*Heilberufe*  
*Helgoland Marine Research*  
*Hernia*  
*Herzschrittmachertherapie und Elektrophysiologie*  
*Histochemistry and Cell Biology*  
*HNO*  
*Human Genetics - Berlin*  
*Ichthyological Research*  
*Immunogenetics*  
*Inflammation Research*  
*Insectes Sociaux*  
*Intensive Care Medicine*  
*Intensivmedizin und Notfallmedizin*  
*International Archives of Occupational and Environmental Health*  
*International Journal of Biometeorology*  
*International Journal of Clinical Oncology*  
*International Journal of Colorectal Disease*  
*International Journal of Legal Medicine*  
*International Orthopaedics*  
*International Urogynecology Journal*  
*Internist - Berlin*  
*Invertebrate Neuroscience*  
*Japanese Journal of Ophthalmology*  
*Journal of Anesthesia - Japan Society of Anesthesiology*  
*Journal of Artificial Organs*  
*Journal of Biochemistry and Molecular Biology*  
*Journal of Biological Inorganic Chemistry*  
*Journal of Bone and Mineral Metabolism*  
*Journal of Cancer Research and Clinical Oncology*  
*Journal of Comparative Physiology - A - Sensory Neural Behavioral Physiology / Journal of Comparative Physiology - A - Sensory Neural Behavioral Physiology - Print & Internet*  
*Journal of Comparative Physiology - B - Biochemical Systemic and Envi Physiology / Journal of Comparative Physiology - B - Biochemical Systemic Envi Physiology - Print & Internet*  
*Journal of Cutaneous Medicine and Surgery*  
*Journal of Ethology*  
*Journal of Gastroenterology*  
*Journal of Hepato Biliary Pancreatic Surgery*  
*Journal of Human Genetics*  
*Journal of Industrial Microbiology and Biotechnology / Journal of Industrial Microbiology and Biotechnology : Internet*  
*Journal of Infection and Chemotherapy*  
*Journal of Mathematical Biology*  
*Journal of Membrane Biology*  
*Journal of Microbiology and Biotechnology*  
*Journal of Molecular Evolution*  
*Journal of Molecular Medicine*  
*Journal of Neural Transmission - Basic Neurosciences - Neurology Section - Psychiatry Sect*  
*Journal of Neurology*  
*Journal of Orofacial Orthopedics*  
*Journal of Orthopaedic Science*  
*Journal of Plant Growth Regulation*

*Journal of Plant Research*  
*Journal of Public Health - Zeitschrift fuer Gesundheitswissenschaften / Journal of Public Health - Zeitschrift fuer Gesundheitswissenschaften : Internet*  
*Journal of the Association for Research in Otolaryngology*  
*Kardiologie-Assistenz*  
*Kidney - a Current Survey of World Literature*  
*Knee Surgery Sports Traumatology Arthroscopy*  
*Langenbecks Archive of Surgery*  
*Lasers in Medical Science*  
*Lung*  
*Magnetic Resonance Materials in Physics Biology and Medicine*  
*Mammalian Genome*  
*Manuelle Medizin*  
*Marine Biology*  
*Marine Biotechnology*  
*Medical Electron Microscopy*  
*Medical Microbiology and Immunology*  
*Medicinal Chemistry Research*  
*Medizinische Klinik*  
*Microbial Ecology*  
*MMW - Fortschritte der Medizin & Beilage & Extrablatt & Cardiovascularia*  
*Molecular Genetics and Genomics*  
*Molecules and Cells*  
*Monatsschrift fur Kinderheilkunde*  
*Mund Kiefer und Gesichtschirurgie*  
*Mycorrhiza*  
*Mycoscience*  
*Naunyn Schmiedeberg's Archives of Pharmacology*  
*Nervenarzt*  
*Neurological Sciences*  
*Neuroradiology*  
*Neurosurgical Review*  
*Notfall und Rettungsmedizin*  
*Oecologia*  
*Oncologie*  
*Onkologe*  
*Ophthalmologe*  
*Orthopade*  
*Osteoporosis International*  
*Pain Digest*  
*Parasitology Research*  
*Pathologe - Pathologie und Klinik*  
*Pediatric and Developmental Pathology*  
*Pediatric Cardiology*  
*Pediatric Nephrology*  
*Pediatric Radiology*  
*Pediatric Surgery International*  
*Pflugers Archiv*  
*Plant Cell Reports*  
*Planta*  
*Polar Biology*  
*Promed - Das Praxismagazin fur Arztliche Fortbildung*  
*Psychological Research*  
*Psychopharmacology - Berlin*  
*Psychopraxis - Wien*  
*Psychotherapie Forum*  
*Radiation and Environmental Biophysics*  
*Radiologe*  
*Rechtsmedizin*  
*Rheumatology International*

*Schmerz und Akupunktur*  
*Sexual Plant Reproduction*  
*Skeletal Radiology*  
*Social Psychiatry and Psychiatric Epidemiology*  
*Sozial und Praventivmedizin*  
*Spektrum der Augenheilkunde*  
*Springer Seminars in Immunopathology*  
*Stomatologie*  
*Strahlentherapie und Onkologie*  
*Supportive Care in Cancer*  
*Surgery Today*  
*Surgical and Radiologic Anatomy - English Edition*  
*Surgical Endoscopy and Other Interventional Techniques*  
*Techniques in Coloproctology*  
*Transplant International*  
*Trauma und Berufskrankheit*  
*TU - Technische Überwachung*  
*Unfallchirurg*  
*Urologe - Ausgabe A*  
*Urological Research*  
*Virchows Archiv*  
*Wiener Klinische Wochenschrift & Supplements*  
*World Journal of Surgery*  
*World Journal of Urology*  
*Zeitschrift für Epileptologie*  
*Zeitschrift für Gerontologie und Geriatrie*  
*Zeitschrift für Herz Thorax und Gefässchirurgie*  
*Zeitschrift für Kardiologie*  
*Zeitschrift für Rheumatologie*  
*Zoomorphology*

### **Taylor & Francis**

*Acta Dermato Venereologica & Supplements*  
*Acta Odontologica Scandinavica*  
*Acta Oncologica*  
*Acta Orthopaedica Scandinavica & Supplements*  
*Acta Oto Laryngologica & Supplements*  
*Acta Paediatrica - International Journal of Paediatrics & Supplements*  
*Addiction Biology*  
*Advances in Physiotherapy*  
*Aging and Mental Health*  
*Aging Male*  
*AIDS Abstracts - Abingdon*  
*AIDS Care - Psychological and Socio Medical Aspects of AIDS HIV*  
*American Journal on Addictions*  
*Amyloid - Journal of Protein Folding Disorders*  
*Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders*  
*Annals of Clinical Psychiatry / Annals of Clinical Psychiatry : Internet*  
*Annals of Human Biology*  
*Annals of Medicine & Supplement*  
*Anxiety Stress and Coping*  
*Aphasiology*  
*Archives of Andrology*  
*Augmentative and Alternative Communication - AAC*  
*Autoimmunity*  
*Avian Pathology*  
*Biocatalysis and Biotransformation*  
*Biocontrol Science and Technology*  
*Biofouling*  
*Biomarkers*

*Biotechnic and Histochemistry*  
*Blood Pressure*  
*Brain Injury*  
*British Journal of Guidance and Counselling*  
*British Journal of Neurosurgery*  
*Cell Communication and Adhesion*  
*Chemistry and Ecology*  
*Child Care in Practice*  
*Chinese Medical Sciences Journal*  
*CIT Stress Trauma and Crisis*  
*Climacteric*  
*Clinical and Developmental Immunology*  
*Clinical Intensive Care Journal*  
*Cognition and Emotion*  
*Cognitive Behaviour Therapy*  
*Cognitive Neuropsychiatry*  
*Cognitive Neuropsychology*  
*Connective Tissue Research*  
*Critical Public Health*  
*Critical Reviews in Biochemistry and Molecular Biology / Critical Reviews in Biochemistry and Molecular Biology : Internet*  
*Critical Reviews in Biotechnology / Critical Reviews in Biotechnology : Internet*  
*Critical Reviews in Clinical Laboratory Sciences / Critical Reviews in Clinical Laboratory Sciences : Internet*  
*Critical Reviews in Computed Tomography / Critical Reviews in Computed Tomography : Internet*  
*Critical Reviews in Microbiology / Critical Reviews in Microbiology : Internet*  
*Critical Reviews in Plant Sciences / Critical Reviews in Plant Sciences - Print & Internet / Critical Reviews in Plant Sciences : Internet*  
*Critical Reviews in Toxicology / Critical Reviews in Toxicology : Internet*  
*Cytokines Cellular and Molecular Therapy*  
*Cytotherapy*  
*Death Studies*  
*Deviant Behavior*  
*Disability and Rehabilitation*  
*Disability and Society*  
*DNA Sequence - Journal of DNA Sequencing and Mapping*  
*Drug and Alcohol Review*  
*Drug Delivery*  
*Drug Design and Discovery*  
*Drugs - Education Prevention and Policy*  
*Early Child Development and Care*  
*Eating Disorders - the Journal of Treatment and Prevention*  
*Ecology of Food and Nutrition*  
*Educational Psychology - Basingstoke*  
*Educational Psychology in Practice*  
*Endothelium - Reading*  
*European Journal of Cognitive Psychology*  
*European Journal of Contraception and Reproductive Health Care & ESC Quarterly Newsletter*  
*European Journal of Psychology*  
*European Journal of Psychotherapy Counselling and Health*  
*European Journal of Work and Organizational Psychology*  
*Experimental Aging Research*  
*Experimental Lung Research*  
*Free Radical Research*  
*Grana*  
*Growth Factors - London*  
*Gynecological Endocrinology*  
*Harvard Review of Psychiatry / Harvard Review of Psychiatry : Internet*  
*Health Care for Women International*  
*Health Risk and Society*  
*Hematology - Reading*

*Historical Biology*  
*HPB - Official Journal of International Hepato Pancreato Biliary Association*  
*Human Fertility*  
*Ichnos*  
*Infectious Diseases in Obstetrics and Gynecology*  
*Inhalation Toxicology*  
*International Forum of Psychoanalysis*  
*International Journal of Behavioral Development*  
*International Journal of Cardiovascular Interventions*  
*International Journal of Hyperthermia*  
*International Journal of Intelligence and Counter Intelligence*  
*International Journal of Neuroscience*  
*International Journal of Pest Management*  
*International Journal of Psychiatry in Clinical Practice*  
*International Journal of Psychology*  
*International Journal of Psychotherapy*  
*International Journal of Radiation Biology*  
*International Journal of Sustainable Development and World Ecology*  
*International Journal of Toxicology*  
*International Review of Psychiatry - Abingdon*  
*International Reviews in Immunology*  
*Issues in Comprehensive Pediatric Nursing*  
*Issues in Mental Health Nursing*  
*IUBMB Life - International Union of Biochemistry and Molecular Biology*  
*Journal of Addictions Nursing*  
*Journal of Applied Sport Psychology*  
*Journal of Audiovisual Media in Medicine*  
*Journal of Child Psychotherapy*  
*Journal of Constructivist Psychology*  
*Journal of Cosmetic and Laser Therapy*  
*Journal of Dermatological Treatment*  
*Journal of Drug Targeting*  
*Journal of Enzyme Inhibition and Medicinal Chemistry*  
*Journal of Forensic Psychiatry and Psychology*  
*Journal of Intellectual and Developmental Disability*  
*Journal of Investigative Surgery*  
*Journal of Loss and Trauma*  
*Journal of Maternal Fetal and Neonatal Medicine*  
*Journal of Medical Engineering and Technology*  
*Journal of Mental Health - Abingdon*  
*Journal of Natural History*  
*Journal of Neurogenetics*  
*Journal of Neurovirology*  
*Journal of Nutritional and Environmental Medicine*  
*Journal of Obstetrics and Gynaecology - Abingdon*  
*Journal of Rehabilitation Medicine & Supplements*  
*Journal of Reproductive and Infant Psychology*  
*Journal of Sexual Aggression*  
*Journal of Substance Use*  
*Journal of Theoretical Medicine*  
*Laterality*  
*Leukemia and Lymphoma*  
*Marine and Freshwater Behaviour and Physiology*  
*Mediators of Inflammation*  
*Medical Mycology*  
*Medicine Conflict and Survival*  
*Memory*  
*Microbial Ecology in Health and Disease*  
*Minimally Invasive Therapy and Allied Technologies*  
*Molecular Membrane Biology*

*Mortality*  
*Neuropsychological Rehabilitation*  
*New Genetics and Society*  
*Nicotine and Tobacco Research*  
*Nordic Journal of Psychiatry*  
*Nutritional Neuroscience*  
*Pathology - Abingdon*  
*Pediatric Hematology and Oncology*  
*Pediatric Pathology and Molecular Medicine*  
*Pediatric Rehabilitation*  
*Physiotherapy Theory & Practice*  
*Platelets - Basingstoke*  
*Psychoanalytic Psychotherapy*  
*Psychodynamic Practice*  
*Psychology and Health*  
*Quarterly Journal of Experimental Psychology - Section A*  
*Quarterly Journal of Experimental Psychology - Section B*  
*Radiation Effects and Defects in Solids*  
*Reading and Writing Quarterly*  
*Reading Psychology*  
*Receptors and Channels*  
*SAR and QSAR in Environmental Research*  
*Sarcoma*  
*Scandinavian Cardiovascular Journal & Supplements*  
*Scandinavian Journal of Clinical and Laboratory Investigation & Supplements*  
*Scandinavian Journal of Gastroenterology & Supplements*  
*Scandinavian Journal of Infectious Diseases & Supplements*  
*Scandinavian Journal of Occupational Therapy*  
*Scandinavian Journal of Plastic and Reconstructive Surgery and Hand Surgery & Supplements*  
*Scandinavian Journal of Primary Health Care*  
*Scandinavian Journal of Public Health & Supplements*  
*Scandinavian Journal of Rheumatology & Supplements*  
*Scandinavian Journal of Urology and Nephrology & Supplements*  
*Sexual Addiction and Compulsivity - the Journal of Treatment and Prevention*  
*Sexual and Relationship Therapy*  
*Sexualities Evolution and Gender*  
*Somatosensory and Motor Research*  
*Stress - the International Journal on the Biology of Stress*  
*Synchrotron Radiation News*  
*Systematic Biology*  
*Thinking and Reasoning*  
*Toxicologic Pathology*  
*Toxicology Mechanisms and Methods*  
*Uppsala Journal of Medical Sciences & Supplements*  
*Visual Cognition*  
*Work and Stress*

**University of Chicago Press**

*American Journal of Human Genetics*  
*American Naturalist*  
*Clinical Infectious Diseases & Supplements*  
*International Journal of Plant Sciences - Botanical Gazette*  
*Physiological and Biochemical Zoology*  
*Quarterly Review of Biology*

## Appendix D: Technical notes

### a) Notes on the calculations and presentation

Throughout, the summary statistics (described below) have been calculated separately for each year to illustrate overall trends in pricing. Thus the increases shown do not, unless otherwise indicated, refer to particular titles, but to the general pattern of increase for the publishers' titles as a whole. In the publisher tables of percentage increases, the percentile figures given are the percentiles of the increases, not the increases in the percentiles.

For the greatest possible accuracy, percentage changes in the tables have been calculated on the detailed figures before rounding for presentation. In some cases, where prices are low, this has resulted in apparent discrepancies between the prices in the table and the percentage changes noted.

'Bundled' titles have been omitted throughout. It became clear during the data gathering process that special deals on price were often available for purchase of sets of titles which were also available individually. In order to avoid double counting, and the distorting effect of what were usually relatively expensive bundles of titles, these were omitted from the analysis wherever they could be identified. Single titles available in more than one format have been included in all their available formats, however.

No analysis has been carried out where fewer than ten titles were available for analysis.

In many of the graphs where the range of data reported is wide, a logarithmic scale has been used. This has two advantages – it allows greater detail to be shown for the lowest values in the range; and it compresses the values at the upper end of the range. Thus similar percentage increases are seen to have similar profiles, whether at the lowest or highest part of the distribution.

### b) Definitions of statistical terms

*90<sup>th</sup> percentile* the value which is exceeded by 10% of titles

*Upper quartile* the value which is exceeded by 75% of titles

*Median* the mid-point of the distribution, which is exceeded by 50% of titles. In skewed distributions, where the mean may be unduly influenced by a small number of extreme values, this is the preferred measure of the 'average'.

*Lower quartile* the value which is exceeded by 75% of the titles

*10<sup>th</sup> percentile* the value which is exceeded by 90% of titles

*Correlation* a measure of linear association between two variables. The correlation coefficient takes values in the range  $-1$  to  $+1$ ; positive values indicate that high levels of one variable are associated with high levels of the other; negative coefficients indicate that high levels of one variable are associated with low levels of the other. Values close to zero indicate no linear relationship between the two.



## **LISU Mission Statement and Strategic Aims**

### **Mission statement**

LISU aims to be the authoritative national centre for the collection and dissemination of statistical data to support the management of UK library and information services (LIS), and to be the major UK provider of expert advice on the effective use of such data.

### **Strategic aims**

1. To provide data for the advocacy of LIS with government and the media.
2. To increase the understanding and use of statistics by LIS managers.
3. To maintain over time databases for key LIS sectors, and to make data available in print and/or electronic formats.
4. To encourage benchmarking in LIS, and to provide benchmarking services.
5. To provide on request objective advice to LIS managers, linked to interpretation of local data.
6. To underpin UK research into LIS, through the databases and through advice in statistical analysis.
7. To undertake research into the development and use of valid data for the sector.
8. To make constructive use of data across the different LIS sectors.

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