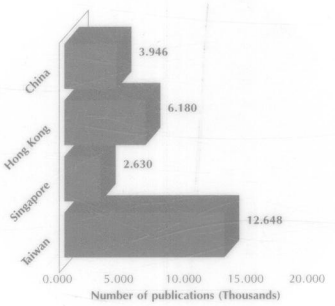
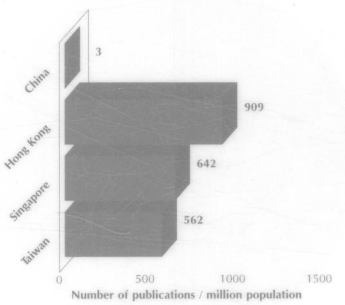
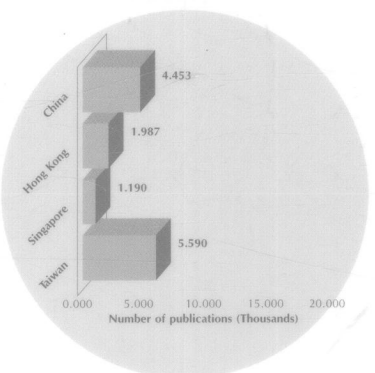
Life Science Academic Output In Predominantly Chinese Communities **1990 to 2001**

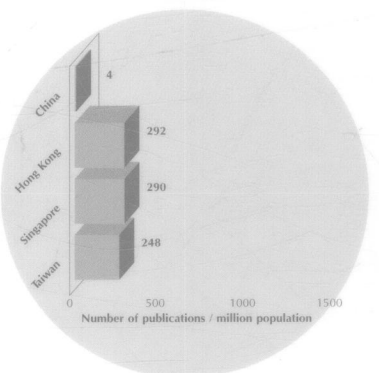
China, Hong Kong, Singapore and Taiwan



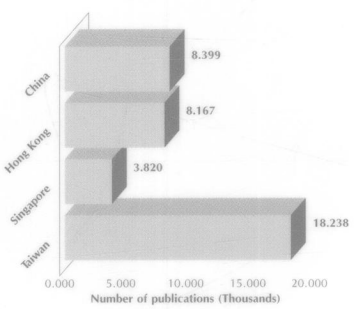


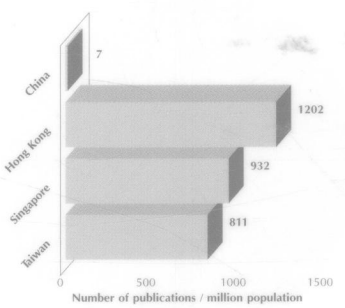
Clinical Science





Pre-clinical Science





Clinical and Pre-clinical Science

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By ***Johan Karlberg***

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Foreword

In 1998, the Faculty of Medicine at The University of Hong Kong, Hong Kong SAR established a Clinical Trials Centre to act as an interface between the industry and investigator teams at the university and affiliated hospitals. Trial activities have since focused on evaluating new clinical treatments, procedures, devices and diagnostic tools -- commonly developed by large international pharmaceutical companies from North America, Europe and Japan. Reasons for involvement in such research are both academic and financial, in addition to the possibility of improving the care of trial participants.

Most clinical trials of new treatments are of the highest quality; with a good study design, sufficient number of trial participants and sufficient resources to conduct essential investigations and laboratory tests. Since trials aim to provide evidence for both treatment efficacy and treatment safety of new medical treatments, the results are of interest not only locally, but also to clinical researchers and clinicians world-wide. Since the likelihood is high of having results published in international clinical research journals of high repute, the trial results can therefore have a high impact on the global medical scientific community. For this reason, clinical trials on new medical treatments generally have a high academic value, or what we usually call HIGH IMPACT RESEARCH.

A pharmaceutical or biotechnology company usually funds all parts of a clinical trial -- including drug cost, clinical investigations, laboratory tests processing, investigator and nursing fees, data management, statistical analysis and medical writing. Since the trial results are commonly reviewed by drug regulatory authorities in the US, Europe or Japan, trial costs affecting the quality of the data collected cannot be cut, or acceptance would be jeopardised. Clinical trials not only embrace patient treatment costs, but also provide investigator teams with extra funding for staff employment. In an academic medical institution, the investigator trial fee provided by the sponsor for the work conducted by the clinical research team is commonly used to enhance other research activities that are not easily funded by other means. One important by-product of trial involvement is thus that the investigator team may be able to produce additional, independent research. More funding leads to more research, which leads to an increasing number of studies published in international publications -- and ultimately HIGHER IMPACT and greater prestige for the team and its institution.

The question posed by this book is simple – how HIGH IMPACT is CLINICAL RESEARCH in HONG KONG in comparison with other predominantly Chinese communities like China, Taiwan and Singapore, and to some extent also with the rest of the world? The Clinical Trials Centre at HKU is keen to attract more clinical trials to Hong Kong – an initiative which both encourages the biotechnology industry in Hong Kong and establishes Hong Kong as a bridge to biotechnology development in mainland China. The ambition is also to attract more research and development teams from the international pharmaceutical industry to Hong Kong.

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February 2003

Introduction

Several emerging regions in Asia, Eastern Europe, Africa, and South and Latin America are conducting clinical trials on new drugs, devices and diagnostic tools. This study does not attempt to present a 'big picture' addressing the possibilities or problems concerning the conduct of clinical trials across these regions. Instead, it focuses on a single location in one region -- Hong Kong in Asia. The question being addressed is: What is needed in an emerging region to strive for excellence in order to become a competitive location for the conduct of biotechnology research, when compared with established regions, in say North America, the European Commission and Japan? Many interacting factors are important when striving for excellence. In biotechnology, these not only include the need for long-term financial support from governments and the industry. Also critical is the establishment of an infrastructure that makes the region attractive to large international pharmaceutical companies and researchers of a high international standard. The required infrastructure ranges from access to office space and well-trained local researchers and research support staff to implementing and complying with international guidelines.

Involvement in global clinical trials is certainly a first important step to becoming a player in the biotechnology arena. But that is not enough if the aim is to establish a self-financed local biotechnology industry. The way is long and the investment is large from early discovery of a molecule in the laboratory of a pre-clinical research through clinical trials to the market. But many well-known international pharmaceutical companies were established on the strength of university researchers making important new medical discoveries. With the backing of investors, they were able to develop their molecule into a new medical therapy -- to the benefit of patients and society at large. This has happened many times in North America, Europe, Japan and other developed regions -- and it can be emulated in new emerging biotechnology regions as well.

Before 1996, very few Phase I-III trials for global registration purposes were conducted in Asia outside of Japan. It was hard to name a single local research and development team of an international pharmaceutical company represented in the region. But since then Hong Kong, along with other countries in Asia, has suddenly become an important hub for global clinical trials. Consider, for instance, the quantum leap in clinical trial certificates for phase I-III clinical trials that have been approved by Hong Kong's Department of Health. Between 1988 and 1995, the annual number of certificates approved was 22. This number increased to 56 between 1996 and 1999 -- and to 113 between 2000 and 2001. There were five times more clinical trials of new pharmaceutical entities initiated in 2001 than over the previous five years – and the pace of growth was 500% over 10 years, or 50% per year. Growth in clinical trial activities will certainly continue for decades. How do we know this trend will continue in Hong Kong and in Asia? Well, firstly, it's a global trend – more compounds need to be

developed, so more trials per compound need to be conducted, so more patients will be required for each clinical trial. Secondly, Asia has a large patient population and many potential investigators, which are two important selection criteria for a trial site. Thirdly, some diseases are much more prevalent in Asia than in other continents. Fourthly, the potential market for a new treatment can be large in Asia. Finally, the Asian biotechnology industry is developing very rapidly and also needs to conduct its own trials.

However, some important factors will eventually lead to a negative impact on the expected increase in clinical trial activities and biotechnology development in Hong Kong and Asia if they are not addressed effectively and in a timely manner. Governments, including the Hong Kong SAR Government, must listen, understand and take initiatives to meet the needs of the industry. With the anticipated increase in trial activities will be a growing requirement for well-qualified study site personnel and well-trained personnel working locally for international pharmaceutical companies. It is also important to understand and establish various quality assurance programmes, including international accreditation(s) of clinical laboratory tests, standardisation and audits of the operation of ethics committees, the acceptance and enforcement of international clinical trial guidelines, and the operation of other clinical trial support services.

But who should take the lead to start the transition towards a clinical trial environment up to acceptable international standards? Government institutions, private entities, or both? It is the author's view that this will only happen if there is sufficient 'critical mass' involved -- in both pre-clinical and as well as clinical phases of drug development. In addition, a drug regulatory authority is essential in the region, to advise the industry during various drug development phases and ensure recognition of study results by drug regulatory authorities oversees. If a new drug is not accepted overseas, it cannot be marketed overseas.

The Hospital Authority of the Hong Kong SAR Government is responsible for patient care of most citizens in Hong Kong. The Authority has been very successful in its work, as implied by one of the world's lowest infant mortality rates (about 3 in 1000) and highest life expectancy (about 80 years). A high standard of medical care is, of course, an important aspect when a new therapy enters the clinical testing phase. Hong Kong has two universities with medical faculties – The University of Hong Kong and the Chinese University of Hong Kong – and six other universities.

By outlining academic output over the past 12 years (1990-2001) in the medical and biology, or life science area by various institutions in Hong Kong, this report aims to identify strengths as well as weaknesses from a

pre-clinical and clinical research point of view. Since interest is growing in understanding the differences between ethnic groups in response to medical treatments and safety are becoming more and more interesting, it is also important to compare Hong Kong research with output from three other regions with predominantly Chinese populations – namely China, Singapore and Taiwan. Some comparison with other countries in Asia, as well as countries in other continents, is also relevant as a measure of international recognition and competence.

Reference

Clinical Trial Reporter, Lippincott Williams & Wilkins, Asia Ltd, Hong Kong SAR 2002;1:9.

Research Output and Research Impact

There is no universally accepted and adopted way to describe academic research output, despite demand for such a generally accepted instrument, even at the level of deciding appropriate resource allocation to universities or individual university departments, or for staff promotion purposes. The number of publications is a simple way of measuring academic output. But from a scientific point of view, not all publications carry the same weight or make the same impact. A research report reviewed and accepted by a scientific journal - peer reviewed - is commonly seen as having a higher scientific value than a 'non-peer reviewed' published research report. However, one peer-reviewed journal may have a higher impact factor – i.e. a larger number of citations for each individual paper published in the journal – than another peer-reviewed journal. A further complicating factor is that only a few papers represent most citations in any journal, so a study is not necessarily important even if it is published in a journal with a high impact factor. Comparing the impact factors of journals is meaningless, for instance, if they serve different disciplines in which widely different citation practices may prevail. However, for better or worse, the global trend is for academic publication citation statistics to be increasingly used as a standard metric to assess the quality of scientific work. Both the citation statistics of an individual paper and the 'impact factor' of the journal publishing it is being taken more and more seriously.

This study presents a general comparison of the academic output in life science from January 1990 to November 2001 between Hong Kong institutions, and between Hong Kong and other regions. The results are not presented for funding purposes, staff promotion or for comparison of individual departments. The aim is rather to identify the strengths and weaknesses of clinical research in Hong Kong as an emerging centre for biotechnology development. For this reason, a rather simple method is adopted -- based partly on some common assumptions and practices.

- **Database:** Publications published in peer-reviewed journals are usually seen as having high impact compared to other types of scientific communication, such as abstracts from meetings, book chapters and departmental reports. This is why only publications listed in the Medline data-base are included.
- **Years:** The Medline data-base lists publications over the last four decades. But this analysis is restricted to the last 12 years: between January 1990 and November 2001.
- **Full-publications:** Only full publications (original or review articles, not letters) are included.
- **Corresponding Address:** The corresponding address in the address field of the Medline data-base was used to identify the country and institution of each individual publication. This address virtually always represents the institution that contributed to the majority of research behind the publication, i.e. hypotheses generation, study design, study conduct, funding, data management, medical statistics and medical writing.

• **Citation Report:** Publications included in local scientific journals can be listed in the Medline data-base, but they may not be included in the Journal Citation Reports (JCR) data-base, if they have a low overall impact on the international community. Only publications found both in the Medline data-base and listed in the 2000 version of the JCR data-base were included for most comparisons

• **Adjusted Impact Factor:** Some areas of research have an average a much lower Impact Factor than other areas, due to a tradition or custom of including either few or many citations in individual publications. All journals in a specific area of the (JCR) data-base are rated in terms of their Impact Factor in relation to each other, rather than in relation to all journals for all areas taken together. This provides an Area Specific or Subject Category Impact Factor; in other words, an Adjusted Impact Factor as illustrates on page 22 – "Impact Factor by Area".

• **Very High Impact Factor:** The number of publications found in a few general medical scientific journals of very high impact and high repute are also presented in isolation. Four journals were deemed to represent High Impact Clinical Science – The Lancet, New England Journal of Medicine (N Engl J Med), Journal of the American Medical Association (JAMA) and British Medical Journal (BMJ). Two additional journals were chosen to represent High Impact Basic Science: Nature and Science.

• **Population Statistics:** The population size, infant mortality rate and life expectancy of some countries are used in some analyses, from figures published elsewhere.

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Journal Citation Reports – ISI. Available at : http://www.isinet.com/isi/products/citation/jcr.

Jemec GBE. Impact factor to assess academic output [correspondence]. – The Lancet 2001; 358:1373.

Horgan A. BMJ's impact factor increases by 24% [new roundup]. – BMJ 2002; 325:8.

Vital Statistics World Health Organisation – Available at : http://www.who.int/country/en

Global Research Impact given by the Number of Publications

A simple and easy measure of the research impact of a country is the total number of publications. Figure 1 gives the number of full publications – excluding letters as the mode of communication – in Medline between January 1990 and November 2001 for the top 50 countries globally. Disregarding population density, it is not surprising that the United States has the largest number, followed by Japan and United Kingdom. The figures in Figure 1 should be regarded with some caution since about 25% of all full publications in Medline during the years of observation could not be linked to any particular country. Some publications do not give the country in the address of correspondence field; others used local languages such as Italian, German or Swedish to identify the country. Two countries, namely the US and UK, were often identified by individual states or institutions. Despite of this relatively high drop-out rate, the overall picture is nevertheless deemed realistic since the drop-out rate can be assumed to be quite similar between countries. When all the countries previously belonging to "western" Europe were combined, the number of publications increased to 1.22 million -- similar to the US tally of 1.29 million. Note, that 18th position is taken by Taiwan, 24th by China, 31st by Hong Kong and 35th by Singapore when the total number of publications are taken as the measure for comparison. About 62,000 publications were identified from the four predominantly Chinese communities combined over the 12 years of study.

The overall aim of medical research is to find new treatments or preventive measures for proper management of disease in the community. It is thus be appropriate to incorporate publication density measure as an index of research activity in a population -- such as the number of publications per million people in a population. Figure 1 includes this index, along with the top 50 countries ranked in this way. The top five countries are: Sweden, Israel, Finland, Denmark and Switzerland. Singapore, Hong Kong and Taiwan are 21st, 23rd and 25th, respectively. China, understandably given its huge population, is not among the top 50 countries based on the population density publication index.

Virtually all countries with a sizeable biotechnology industry rank among the top 20 countries in both listings in Figure 1. Countries rated between places 21 and 30 on the population adjusted listing in Figure 1 may be considered representative of emerging countries with the 'know how' to develop competitive international biotechnological industries in the next few decades.

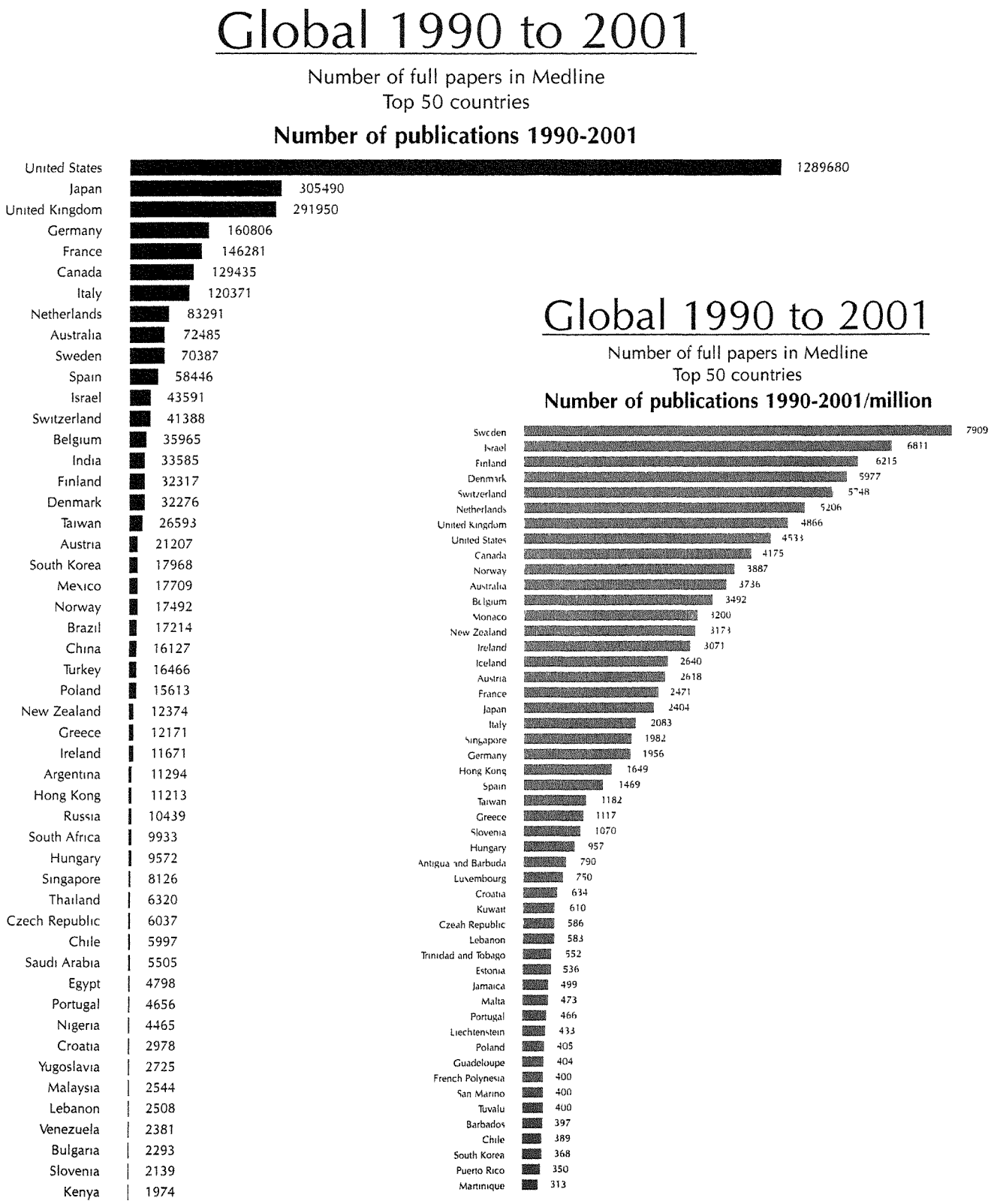


Figure 1. The number of publications in Medline between January,1990 and November, 2001 for the top 50 countries globally; the total number of publications (left) and the total number of publications per million population (right).

Research Output and Public Health

The number of publications in medical and biology fields should be of importance for the health care of a population, since a highly active academic staff certainly enhances both the teaching quality of medical professionals and the health of the population at large. Figure 2A shows the association between infant mortality rate (the number of deaths during the first year of life per 1,000 live births) and the number of publications per million populations. There is no association between infant mortality rate and among the countries with a low publication density, but there is a significant (non-linear regression, $p<0.01$) trend from a value of 20 publications per million inhabitants. A similar significant ($p<0.05$) pattern can be noted for life expectancy in relation to the publication density number (Figure 2B). Clearly, there is an association between vital health statistics and the number of publications in life science. Consequently, it can be argued that scientific publications in life science not only have an impact on the international academic community, but also on the health of local populations where research is conducted.

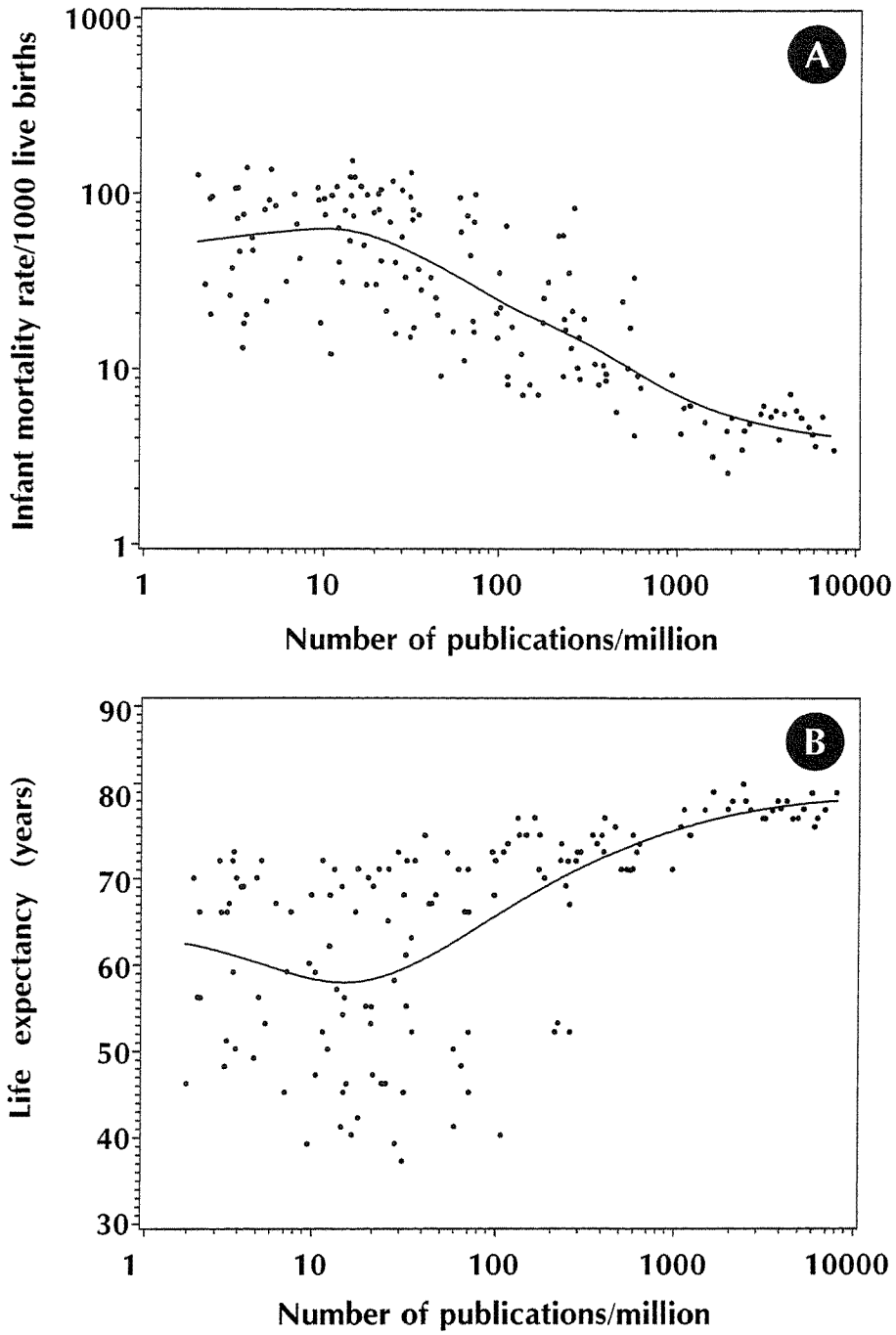


Figure 2. The number of publications in Medline per million population between January 1990 and November 2001 for 153 countries all having a population above 0.5 million inhabitants and at least two publications per million inhabitants, plotted in relation to (A) infant mortality rate (number of deaths during the first year of life of 1000 live births) and (B) life expectancy in years, respectively. A logarithmic scale with the base of 10 has been used for the publication rate and the infant mortality rate for an improved visual display of the data.

Asian Research Impact given by the Number of Publications

Figure 3 shows the number of Medline publications for Asian countries, ranked by total number of publications and number of publications per million population. In Asia, there are about 10 countries with a significant academic output in life science. Based on the population-adjusted publication tally, Israel is on top followed by Japan, Singapore, Hong Kong and Taiwan. However, based on total publications, a few other countries emerge among Asia's top 10 countries, namely India, South Korea, China, Turkey and Thailand. There is thus a significant difference in academic activity among the 53 Asian countries, with very low activity for the majority.

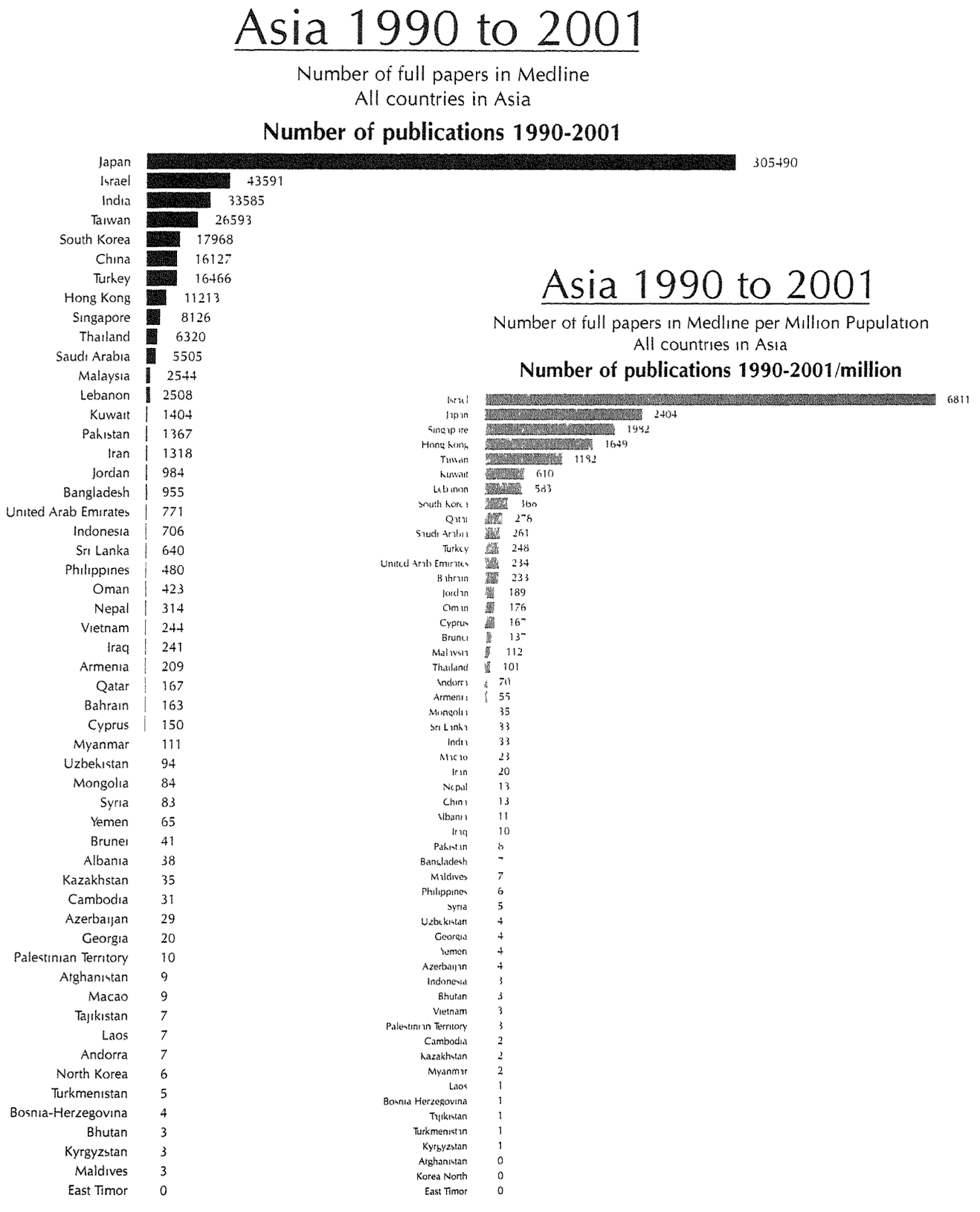


Figure 3. The number of publications in Medline between January 1990 and November 2001 for all Asian countries (n=53); the total number of publications (left) and the total number of publications per million population (right).

Research Impact given by the Number of Very High Impact Publications

Instead of counting the number of full publications found in Medline, the level of high impact medical research can identified by the number of studies published in those few journals with both a very high impact factor and a wide readership. In this presentation, four such journals – The Lancet, New England Journal of Medicine (N Engl J Med), Journal of the American Medical Association (JAMA) and the British Medical Journal (BMJ) – were selected to represent the most important and prestigious publications in Clinical Science. Two other journals – Nature and Science – were chosen to represent Pre-clinical Science. Arguably, other journals of very high impact might have been considered as well, so readers should draw their own conclusions from the following results.

Table 1 provides the number of publications between 1990 and 2001 in the six selected journals with a very high impact having an address of the corresponding author in China, Hong Kong, Singapore or Taiwan. For comparison, the corresponding figures for the five countries with the highest number of Medline publications per million populations as shown in Figure 1 are provided in Table 1 as well. Among the latter group of countries Sweden has the highest number of publications (n=321) in the very high impact Clinical Science area, while Denmark proportionately has the highest number (0.90%) of Medline publications of very high impact Clinical Science papers. In the Pre-clinical Science area, Switzerland has a significantly higher number of publications (n=331) than any of the others giving comparable high proportion (0.61%) of such important publications in relation to the total number of Medline publications from Switzerland.

Figure 4 and Table 1 show the corresponding numbers for the four predominantly Chinese communities. Hong Kong accounts for 55% of all publications in the four very high impact factor Clinical Science journals, while China accounts for 55% of the very high impact Pre-clinical Science publications. In proportion to the number of Medline publications, Hong Kong and China are comparable with the "top" five countries with 0.58% in Clinical Science (Table 1). In this comparison, neither Singapore nor Taiwan emerge in a favourable position. Since Hong Kong is part of China – 'one country, two systems' – the two combined are arguably perfectly matched, with one strong in Clinical Science and the other in Pre-clinical Science.

Table 1. The number of publications between 1990 and 2001 in some selected general journals with a very high impact representing Clinical and Pre-clinical Science with the corresponding address of the author in China, Hong Kong, Singapore or Taiwan. For comparison, the corresponding figures for the five countries with the highest number of Medline publications per million population (Figure 1) are included as well.

	Total Number of Publications								
	Sweden n	Israel n	Finland n	Denmark n	Switzerland n	China n	Hong Kong n	Singapore n	Taiwan n
Clinical Science									
The Lancet	160	76	92	118	62	4	13	6	4
N Engl J Med	42	104	32	24	64	4	30	9	9
JAMA	16	59	21	13	73	3	7	1	4
BMJ	103	34	102	134	24	2	15	0	6
Total	321	273	247	289	223	13	65	16	23
Pre-clinical Science									
Nature	77	81	19	21	161	14	3	6	1
Science	59	72	16	15	170	15	3	8	2
Total	136	153	35	36	331	29	6	14	3
Grand Total	457	426	282	325	554	42	71	30	26
Total Publication*	70387*	55745	32317	32276	54078	16127	11213	8126	26593
Very High Impact, %	0.65**	0.76	0.87	1.01	1.02	0.26	0.63	0.37	0.10
Clinical Science, %	0.49***	0.49	0.76	0.90	0.41	0.08	0.58	0.20	0.09
Pre-clinical Science, %	0.19****	0.27	0.11	0.11	0.61	0.18	0.05	0.17	0.01

* numbers taken from Figure 1

** 457/70387*100

*** 321/70387*100

**** 136/70387*100

Very High Impact Research Output

Number of full papers in six major journals by country

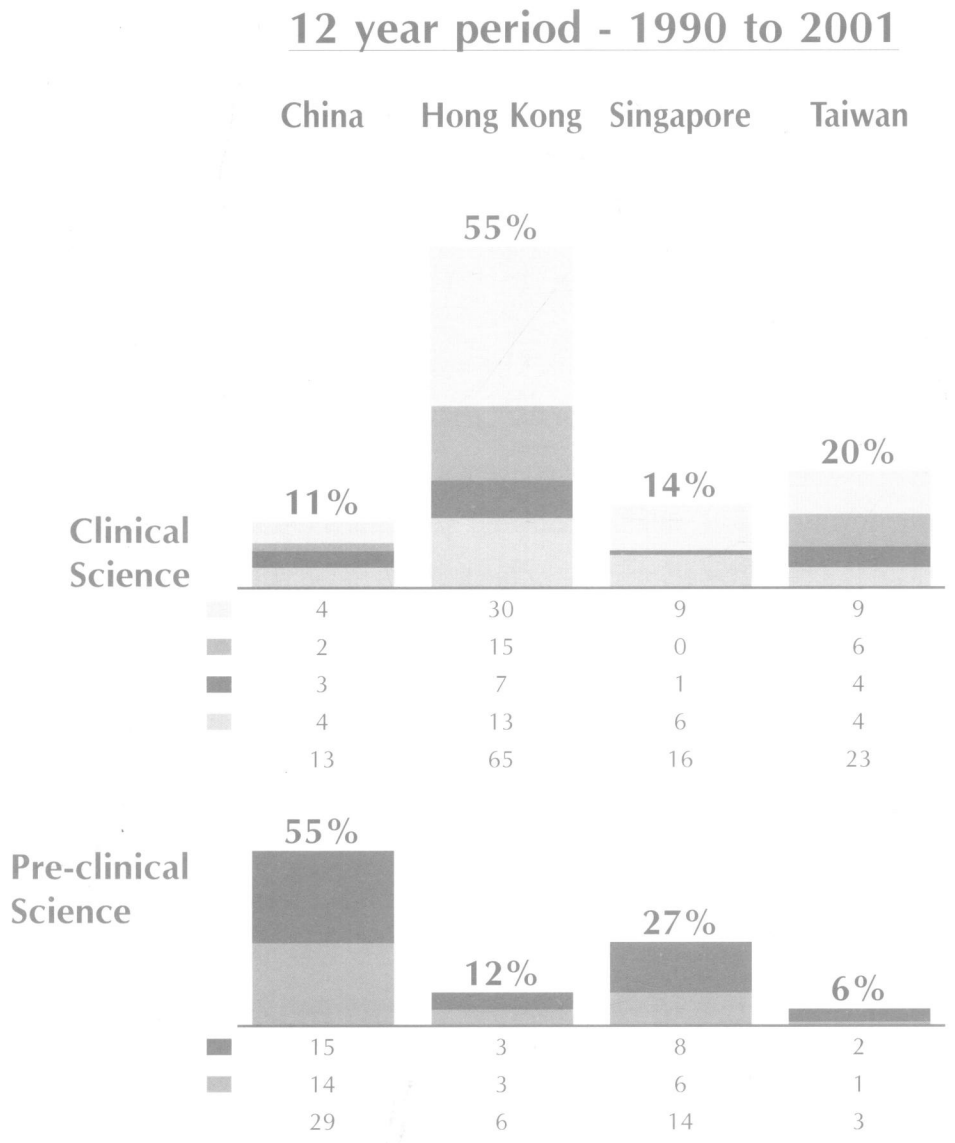


Figure 4. Very High Impact research output in China, Hong Kong, Singapore and Taiwan. Very High Clinical Science impact is here represented by the number of publications between 1990 and 2001 in four major general journals, i.e. The Lancet, New England Journal of Medicine (N Engl J Med), Journal of the American Medical Association (JAMA) and the British Medical Journal (BMJ). High Pre-clinical Science impact is here represented by the number of publications in two major journals, i.e. Science and Nature.

Table 2 provides similar figures for the various parties in Hong Kong. Most (63/65) of the very high impact Clinical Science publications are from the two Medical University Faculties, with a similar contribution. The very few (n=6) Hong Kong publications in Pre-clinical Science published in Nature or Science are from The University of Hong Kong (n=2) and other Academic Institutions in Hong Kong (n=4), but none from the Chinese University of Hong Kong.

From these results, it can be concluded that Hong Kong holds a strong position in Clinical Science in relation to the other three predominantly Chinese communities, as well as in relation to the globally top five countries, while very high impact in Pre-clinical Science falls short in Hong Kong.

Table 2. The number of publications in some selected general journals with a very high impact representing Clinical Science and Pre-clinical Science with the corresponding address of the author in Hong Kong; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other Hong Kong Universities (Academia) and other institutions including Government and private hospitals (Other).

	No. of Publications in Very High Impact Journals, n				
Journal	CUHK	HKU	Academia	Other	Total
Clinical Science					
The Lancet	14	15	1	0	30
N Engl J Med	8	7	0	0	15
JAMA	0	6	0	1	7
BMJ	9	3	0	1	13
Total	31	31	1	2	65
Pre-clinical Science					
Nature	0	2	1	0	3
Science	0	0	3	0	3
Total	0	2	4	0	6
Grand Total	31	33	5	2	71

Citation Index

The Journal Citation Reports is an essential and comprehensive resource for journal evaluation, using citation data drawn from over 8,400 journals worldwide. Coverage is both multidisciplinary and international, and incorporates journals from over 3,000 publishers in 60 nations. The JCR is the only source of citation data on journals, and includes virtually all specialties in the areas of science, technology and the social sciences. JCR Web shows the relationship between citing and cited journals in a clear, easy-to-use framework. JCR Web is available annually in two editions: a) the Science Edition contains data from roughly 5,000 science and technology journals; b) the Social Sciences Edition contains data from roughly 1,500 social sciences journals.

This analysis is based on the Science Edition year 2000 version and no part of the Social Sciences Edition.

Impact Factor

The journal impact factor is a measure of the frequency with which the average article in a journal has been cited in a particular year. The impact factor is calculated by dividing the number of current citations to articles published in the two previous years by the total number of articles published in the two previous years.

Impact Factor by Area

The Science Edition of the Journal Citation Reports of year 2000 includes 169 different areas, as listed in Table 3. The areas are given in alphabetical order. The median impact factor (IF) is given for each area, computed over all the individual journals listed in a certain area. The number of journals listed under each area is also provided in Table 3 Some journals are included in more than one area. Note that many of the clinical areas such as Anesthesiology, Cardiac and Cardiovascular Systems, Clinical Neurology, General and Internal Medicine, Obstetrics and Gynecology, Orthopedics, Pediatrics and Surgery have a median IF of 0.6 to 1.1. A higher median IF (1.5 to 2.0) can be seen in other areas such as Endocrinology and Metabolism, Gastroenterology and Hepatology, Hematology, Immunology, Infectious Diseases, Neurosciences and Oncology. Obviously, the practice of citation is different in the various areas -- making if virtually impossible to compare a journal's IF belonging to one area with the IF of a journal belonging to another area.

Table 3. The listing includes all areas (n=169) of the year 2000 Science Edition of the Journal Citation Reports. The median impact factor (IF) of the area specific journals and the number of journals (N) are given for each area. Note that a journal can be included in more than one area.

Area	Area Median IF	Journals n
Acoustics	0.650	27
Agricultural Economics & Policy	0.423	6
Agricultural Engineering	0.550	9
Agriculture Dairy & Animal Science	0.521	44
Agriculture Multidisciplinary	0.319	28
Agriculture Soil Science	0.754	29
Agronomy	0.507	37
Allergy	1.292	15
Anatomy & Morphology	0.896	20
Andrology	1.357	4
Anesthesiology	0.927	23
Astronomy & Astrophysics	1.447	37
Automation & Control Systems	0.400	44
Behavioral Sciences	1.498	39
Biochemical Research Methods	1.594	43
Biochemistry & Molecular Biology	1.397	310
Biodiversity Conservation	0.839	16
Biology	0.835	51
Biology Miscellaneous	1.293	62
Biophysics	0.994	66
Biotechnology & Applied Microbiology	0.973	134
Cardiac & Cardiovascular Systems	1.099	62
Cell Biology	2.145	147
Chemistry Analytical	1.247	65
Chemistry Applied	0.641	55
Chemistry Inorganic & Nuclear	1.142	38
Chemistry Medicinal	1.397	35
Chemistry Multidisciplinary	0.735	119
Chemistry Organic	1.605	46
Chemistry Physical	1.317	91
Clinical Neurology	1.113	136
Computer Science Artificial Intelligence	0.575	71
Computer Science Cybernetics	0.457	19
Computer Science Hardware & Architecture	0.441	49
Computer Science Information Systems	0.483	67
Computer Science Interdisciplinary Applications	0.468	75
Computer Science Software Graphics Progamming	0.498	74
Computer Science Theory & Methods	0.585	67
Construction & Building Technology	0.319	29
Critical Care Medicine	1.407	15
Crystallography	1.364	17
Dentistry Oral Surgery & Medicine	0.890	46
Dermatology Oral Surgery & Venereal Diseases	0.921	36
Developmental Biology	2.353	33
Ecology	1.025	100
Education Scientific Disciplines	0.303	13
Electrochemistry	1.326	16
Emergency Medicine	0.739	12
Endocrinology & Metabolism	1.896	89
Energy & Fuels	0.352	66
Engineering Aerospace	0.225	26
Engineering Biomedical	0.982	41
Engineering Chemical	0.455	117
Engineering Civil	0.330	63
Engineering Electrical & Electronic	0.495	204
Engineering Environmental	0.464	36
Engineering Geological	0.367	17
Engineering Industrial	0.296	31
Engineering Manufacturing	0.309	35
Engineering Marine	0.127	4
Engineering Mechanical	0.350	102
Engineering Multidisciplinary	0.306	58
Engineering Ocean	0.336	14
Engineering Petroleum	0.135	26
Entomology	0.585	65
Environmental Sciences	0.822	127
Fisheries	0.766	35
Food Science & Technology	0.660	94
Forestry	0.376	29
Gastroenterology & Hepatology	1.699	44
Genetics & Heredity	1.965	114
Geochemistry & Geophysics	0.932	45
Geography	0.868	23
Geology	0.831	36
Geosciences Interdisciplinary	0.691	117
Geriatrics & Gerontology	1.413	22
Health Care Sciences & Services	0.963	44
Hematology	1.473	60
History & Philosophy of Science	0.333	31
Horticulture	0.543	19
Imaging Science & Photographic Technology	0.431	14
Immunology	1.943	116
Infectious Diseases	1.872	36
Instruments & Instrumentation	0.480	52
Integrative & Complementary Medicine	0.579	8
Limnology	0.891	12
Marine & Freshwater Biology	0.894	71
Materials Science Biomaterials	0.653	10
Materials Science Ceramics	0.320	24
Materials Science Characterization & Testing	0.366	21
Materials Science Coatings & Films	0.629	16
Materials Science Composites	0.411	19
Materials Science Multidisciplinary	0.562	167
Materials Science Paper & Wood	0.310	20
Materials Science Textiles	0.313	14
Mathematics	0.415	176
Mathematics Applied	0.559	144
Mathematics Miscellaneous	0.923	20
Mechanics	0.531	91
Medical Ethics	0.810	5
Medical Informatics	0.893	16
Medical Laboratory Technology	1.063	24
Medicine General & Internal	0.583	105
Medicine Legal	0.939	9
Medicine Research & Experimental	1.422	74
Metallurgy & Metallurgical Engineering	0.304	65
Meteorology & Atmospheric Sciences	1.262	40
Microbiology	1.511	83
Microscopy	1.249	10
Mineralogy	0.961	24
Mining & Mineral Processing	0.178	18
Multidisciplinary Sciences	0.366	49
Mycology	0.921	14
Neuroimaging	0.997	15
Neurosciences	1.758	203
Nuclear Science & Technology	0.470	30
Nutrition & Dietetics	1.220	50
Obstetrics & Gynecology	0.950	57
Oceanography	0.753	38
Oncology	1.626	102
Operations Research & Management Sciences	0.400	51
Ophthalmology	0.773	41
Optics	0.684	57
Ornithology	0.625	14
Orthopedics	0.795	39
Otorhinolaryngology	0.818	29
Paleontology	0.793	27
Parasitology	0.818	21
Pathology	1.174	67
Pediatrics	0.812	71
Peripheral Vascular Disease	1.596	45
Pharmacology & Pharmacy	1.279	181
Physics Applied	0.823	69
Physics Atomic Molecular & Chemical	1.442	30
Physics Condensed Matter	0.898	54
Physics Fluids & Plasmas	1.227	19
Physics Mathematical	1.008	29
Physics Multidisciplinary	0.671	69
Physics Nuclear	1.419	20
Physics Particles & Fields	1.284	19
Physiology	1.391	76
Plant Sciences	0.816	137
Polymer Science	0.641	69
Psychiatry	1.556	82
Psychology	1.323	56
Public Environmental & Occupational Health	1.271	88
Radiology Nuclear Medicine & Medical Imaging	1.017	80
Rehabilitation	0.909	20
Remote Sensing	0.783	9
Reproductive Biology	1.952	23
Respiratory System	1.575	29
Rheumatology	1.398	23
Robotics	0.385	12
Spectroscopy	1.397	37
Sport Sciences	0.732	61
Statistics & Probability	0.459	69
Substance Abuse	1.495	9
Surgery	0.810	136
Telecommunications	0.400	47
Thermodynamics	0.393	37
Toxicology	1.308	77
Transplantation	2.093	16
Transportation Science & Technology	0.175	17
Tropical Medicine	0.894	12
Urology & Nephrology	1.370	43
Veterinary Sciences	0.446	126
Virology	2.219	28
Water Resources	0.579	47
Zoology	0.717	111

Surgery as an Example of Area Adjusted Journal Impact Factor

As an illustration, one single area, Surgery, was selected to illustrate the variation in IF among journals listed under one and the same area. Table 4 includes all journals in Surgery with an IF information in the Science Edition of year 2000 Journal Citation Reports. The journals are listed according to the IF and are all ranked (%) in relation to their position in the Surgery research area. The IF figures range from 0.059 to 5.987. This analysis simply codes each journal in three Impact Factor (IF) Codes: A, B and C. All A IF code represents the top 1/3 journals in relation to their IF within the area the journal is listed. This means that all journals with a ranking between 100.0% and 66.7% are given an IF code A. An IF code B is consequently given for journals ranking between 66.6% and 33.3%, and an IF code C to the lowest 1/3 ranked journals, i.e. area adjusted journal impact factor. The same procedure was used in the following description of all 168 areas, as listed in Table 3.

In the following figures we have divided the bars representing the number of publications into three groups; i.e. High Impact (IF code A), Good Impact (IF code B) and Low Impact (IF code C).

Table 4. All journals in Surgery listed in the Science Edition of year 2000 Journal Citation Reports. The journals are listed according to the Impact Factor (IF) and ranked (%) in relation to their position in the Surgery research area. The top 1/3 ranked journals - 100% to 66.7% - are given an 'A' Impact Code, the mid 1/3 ranked journals - 66.6% to 33.3% - are given a 'B' Impact Code and the low 1/3 ranked journals - 66.6% to 33.3% - are given a 'C' Impact Code. The medium Impact Factor in the Surgery research area is 0.81.

Journal Name	IF	Ranking %	Impact Factor Code	Journal Name	IF	Ranking %	Impact Factor Code
ANN SURG	5.997	100.0	A	J BURN CARE REHABIL	0.810	50.7	B
AM J SURG PATHOL	4.269	99.3	A	MINIM INVAS NEUROSUR	0.805	49.3	B
TRANSPLANTATION	4.035	98.5	A	J HAND SURG AM	0.795	48.5	B
J ENDOVASC SURG	3.276	97.8	A	J LAPAROENDOSC ADV S	0.783	47.8	B
J VASC SURG	3.114	97.1	A	OPHTHALMIC SURG LAS	0.775	47.1	B
J THORAC CARDIOV SUR	3.057	96.3	A	BRIT J ORAL MAX SURG	0.771	46.3	B
BRIT J SURG	2.935	95.6	A	J INVEST SURG	0.756	45.6	B
J NEUROSURG	2.918	94.9	A	EUR SURG RES	0.754	44.9	B
NEUROSURGERY	2.894	94.1	A	CHIRURG	0.721	44.1	B
J NEUROL NEUROSUR PS	2.846	93.4	A	CLEFT PALATE CRAN J	0.718	43.4	B
J AM COLL SURGEONS	2.805	92.6	A	SURG LAPARO ENDO PER	0.691	42.6	B
ANN SURG ONCOL	2.799	91.9	A	TRANSPLANT P	0.678	41.9	B
SHOCK	2.785	91.2	A	BRIT J PLAST SURG	0.675	41.2	B
ARCH SURG CHICAGO	2.629	90.4	A	EUR J SURG	0.663	40.4	B
SURGERY	2.456	89.7	A	STEREOT FUNCT NEUROS	0.657	39.7	B
LASER SURG MED	2.348	89.0	A	J CRANIO MAXILL SURG	0.636	39.0	B
J BONE JOINT SURG AM	2.222	88.2	A	AUST NZ J SURG	0.627	38.2	B
LIVER TRANSPLANT	2.150	87.5	A	J RECONSTR MICROSURG	0.621	37.5	B
AM J SURG	2.116	86.8	A	LASER MED SCI	0.620	36.8	B
J CATARACT REFR SURG	2.071	86.0	A	CLIN NEUROL NEUROSUR	0.619	36.0	B
J REFRACT SURG	2.061	85.3	A	OPER TECHN SPORT MED	0.606	35.3	B
SURG ENDOSC ULTRAS	2.056	84.6	A	J CARDIOVASC SURG	0.573	34.6	B
TRANSPLANT INT	2.049	83.8	A	PHLEBOLOGY	0.571	33.8	B
WORLD J SURG	2.020	83.1	A	CHILD NERV SYST	0.563	33.1	C
HEAD NECK-J SCI SPEC	1.917	82.4	A	ANN CHIR GYNAECOL	0.550	32.4	C
CLIN TRANSPLANT	1.841	81.6	A	ANN CHIR	0.545	31.6	C
ANN THORAC SURG	1.928	80.9	A	J CRANIOFAC SURG	0.541	30.9	C
CURR PROB SURG	1.826	80.1	A	BRIT J NEUROSURG	0.539	30.1	C
ENDOSCOPY	1.817	79.4	A	MICROSURG	0.517	29.4	C
LANGENBECK ARCH SURG	1.770	78.7	A	J ROY COLL SURG EDIN	0.510	28.7	C
INT J COLORECTAL DIS	1.707	77.9	A	ARCH ORTHOP TRAUM SU	0.507	27.9	C
DIS COLON RECTUM	1.690	77.2	A	NEUROSURG QU ART	0.500	27.2	C
J SURG RES	1.674	76.5	A	UNFALLCHIRURG	0.496	26.5	C
SEMIN SURG ONCOL	1.650	75.7	A	J HAND SURG BRIT EUR	0.495	25.7	C
DERMATOL SURG	1.647	75.0	A	PEDIATR SURG INT	0.491	25.0	C
J BONE JOINT SURG BR	1.612	74.3	A	INT SURG	0.488	24.3	C
EUR J VASC ENDOVASC	1.565	73.5	A	GYNAECOL ENDOSC	0.485	23.5	C
J SURG ONCOL	1.541	72.8	A	INT J SURG PATHOL	0.463	22.8	C
ARCH OTOLARYNGOL	1.527	72.1	A	SCAND J PLAST RECONS	0.450	22.1	C
J TRAUMA	1.498	71.3	A	ANN ROY COLL SURG	0.439	21.3	C
OBES SURG	1.464	70.6	A	J ENDOVASC THER	0.425	20.6	C
EUR J SURG ONCOL	1.434	69.9	A	CAN J SURG	0.422	19.9	C
PLAST RECONSTR SURG	1.427	69.1	A	AESTHET PLAST SURG	0.414	19.1	C
NEUROSURG CLIN N AM	1.265	68.4	A	NEUROCHIRURGIE	0.390	18.4	C
SURG CLIN N AM	1.252	67.6	A	NEUROL MED CHIR	0.387	17.6	C
ARTHROSCOPY	1.217	66.9	A	INJURY	0.363	16.9	C
J PEDIATR SURG	1.216	66.2	B	NEUROSURG REV	0.358	16.2	C
J CLIN LASER MED SUR	1.205	65.4	B	SURG TODAY	0.356	15.4	C
EUR J CARDIO THORAC	1.187	64.7	B	EUR J PEDIATR SURG	0.350	14.7	C
CLIN ORTHOP RELAT R	1.182	64.0	B	SURG RADIOL ANAT	0.314	14.0	C
AM SURGEON	1.101	63.2	B	ZBL CHIR	0.302	13.2	C
ANN VASC SURG	1.073	62.5	B	SURG ONCOL	0.293	12.5	C
SURG NEUROL	1.018	61.8	B	MINIM INVASIV THER	0.291	11.8	C
OTOLARYNG HEAD NECK	0.977	61.0	B	ACTA CHIR BELG	0.270	11.0	C
J SHOULDER ELB SURG	0.973	60.3	B	KNEE	0.255	10.3	C
ZBL NEUROCHIR	0.939	59.6	B	CRIT REV NEUROSURG	0.233	9.6	C
J NEUROSURG ANESTH	0.937	58.8	B	CLIN TECH SMALL AN P	0.228	8.8	C
INT J ORAL MAX SURG	0.932	58.1	B	J CARDIAC SURG	0.224	8.1	C
HEPATO GASTROENTEROL	0.905	57.4	B	TECH NEUROSURG	0.215	7.4	C
ORAL SURG ORAL MED O	0.865	56.6	B	J CHIR-PARIS	0.213	6.6	C
ANN PLAS SURG	0.864	55.9	B	REV CHIR ORTHOP	0.212	5.9	C
CARDIOVASC SURG	0.862	55.1	B	SKULL BASE SURG	0.185	5.1	C
BURNS	0.856	54.4	B	S AFR J SURG	0.159	4.4	C
THORAC CARDIOV SURG	0.850	53.7	B	EUR J PLAST SURG	0.159	3.7	C
ACTA NEUROCHIR	0.817	52.9	B	NEUROL SURG TOKYO	0.156	2.9	C
CLIN PLAST SURG	0.816	52.2	B	NEUROCIRUGIA	0.154	2.2	C
PEDIATR NEUROSURG	0.811	51.5	B	CHIR GASTROENTEROL	0.078	1.5	C
DIGEST SURG	0.810	50.0	B	CESK SLOV NEUROL N	0.059	0.7	C

Medline Listed Journals with No Impact Factor

There are a few journals included in Medline that have no IF information given in the Science Edition of Journal Citation Reports. Many of these journals have entered the Medline data-base in recent years, thus not providing enough current information to be counted in terms of the IF evaluation. Other journals have been listed in Medline for a longer period, but for various reasons have not been given an IF. Table 5 lists some journals found in Medline but not included in the Science Edition of Journal Citation Reports in year 2000. The publications identified here had corresponding addresses in China, Hong Kong, Singapore or Taiwan and were published from January 1990 to November 2001. As noted from the listing in Table 5, almost all journals are local, i.e. published in one of the four predominantly Chinese regions.

Such local journals have little or no impact on the scientific community from a global perspective. Perhaps publications accepted in local journals did not initially stand up to international standards. It seems thus reasonable to omit the non-IF journals and related publications when describing research output between regions and institutions. The following only counts Medline publications published in journals with an IF ranking.

We have to acknowledge that publications occurring in local journals – being listed or not listed in Medline – counts for a significant position of the life science research output. However, such publications are not easily accessed to the international research community due to that the journal is only available in local libraries and/or that non-English language is used. The standard of the papers published in local journal are commonly not received by an international board of scientist also affecting the quality of the research communication. It may however be important that health information distributed to the local health practitioners in the local language through local journals, but they are commonly based on results already appearing in international journals.

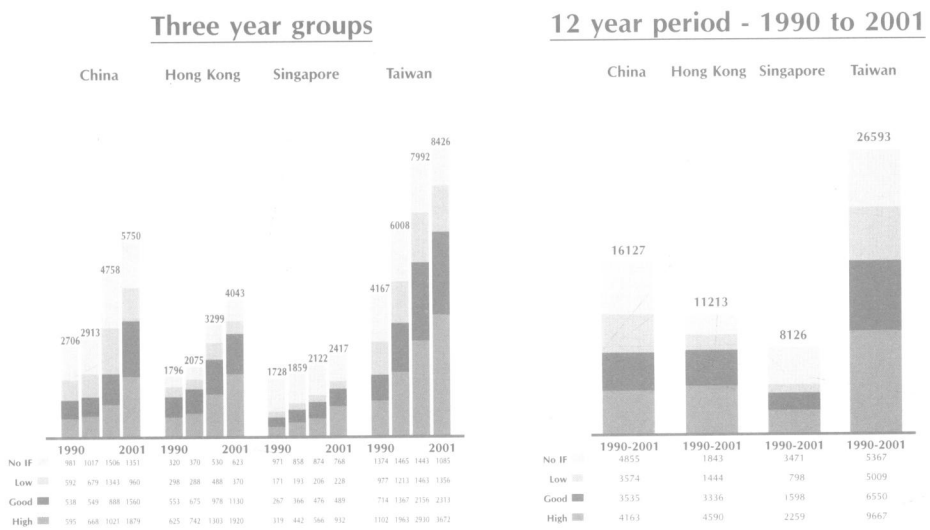
Table 5. Journals included in Medline with no Impact Factor information in the Science Edition of year 2000 Journal Citation Reports. The list includes those journals with 80 identified publications or more with the corresponding address in China, Hong Kong, Singapore or Taiwan during 1990 to 2001.

Journal Name	Number of publications
ANN ACAD MED SINGAPO	1643
ZHONGHUA YI XUE ZA Z	1492
SINGAPORE MED J	1312
GAOXIONG YI XUE KE X	584
ZHONGHUA MIN GUO XIA	584
KAOHSIUNG J MED SCI	545
BIOCHIM BIOPHYS ACTA	380
YAN KE XUE BAO	372
PROC NATL SCI COUNC	309
YI CHUAN XUE BAO	297
ZHONGHUA MIN GUO WEI	265
ACTA ANAESTHESIOL SI	260
CHIN J BIOTECHNOL	255
ZHONGHUA YI XUE YI C	250
ZHONGGUO ZHONG YAO Z	221
SOUTHEAST ASIAN J TR	163
ZHONGGUO XIU FU CHON	160
J TRADIT CHIN MED	151
WEI SHENG YAN JIU	142
ZHONGHUA GAN ZANG BI	140
YAO XUE XUE BAO	132
MA ZUI XUE ZA ZHI	125
ZHEN CI YAN JIU	117
HUAN JING KE XUE	103
CHIN J DENT RES	102
HONG KONG MED J	96
SHENG WU GONG CHENG	94
ZHONGGUO ZHONG XI YI	90
J CHROMATOGR B BIOME	87
ZHONGHUA ZHONG LIU Z	85
J ADV NURS	83
J SINGAPORE PAEDIATR	83
AUSTRALAS RADIOL	82
ZHONGHUA WAI KE ZA Z	81
HUA XI KOU QIANG YI	80

Figure 5 gives the number of Medline publications for China, Hong Kong, Singapore and Taiwan for the twelve years (1990-2001) and four three-year periods (e g 1990-1992, etc) The lower panel of Figure 5 gives the same numbers but divided by the population of the respective region, in millions The bars have been divided into four parts, each representing the type of publications from an Area Adjusted Impact Factor point of view, a low IF corresponds to the Impact Factor Code 'C' (Please refer to page 24), a good Impact Factor corresponds to the Impact Factor Code 'B', a High Impact Factor corresponds to the Impact Factor Code 'A' No Impact Factor means that the journal where the publication was printed is not listed in the Journal Citation Reports for year 2000

Medline Research Output

Number of full papers in Medline by country



Number of full papers in Medline by country / million population

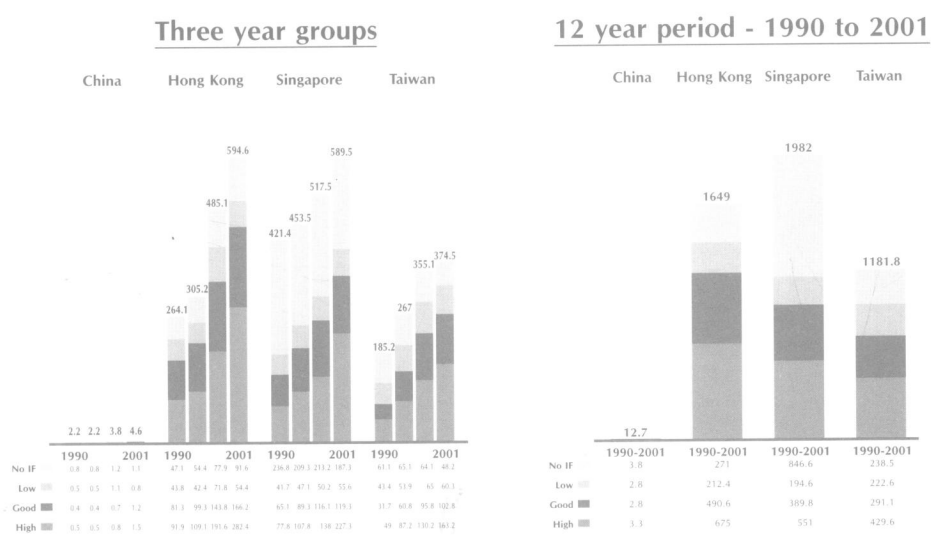


Figure 5. Number of Medline publications published between 1990 and 2001. The number is given for China, Hong Kong, Singapore and Taiwan for all 12 years together, and for four three-year periods (eg. 1990-1992, etc). The total number of publications is given in the upper panel and per million population in the lower panel. Each bar has been divided into four groups of publications – no impact factor and a low, good or high Area Adjusted IF, as described on page 24.

Figure 6 gives the same numbers as Figure 5, with the exception that publications included in journals with no Impact Factor have been omitted for logical reasons as discussed on page 26 Taiwan has the largest number of publications followed by China, Hong Kong and Singapore However, adding the figures for China and Hong Kong results in a number close to that of Taiwan

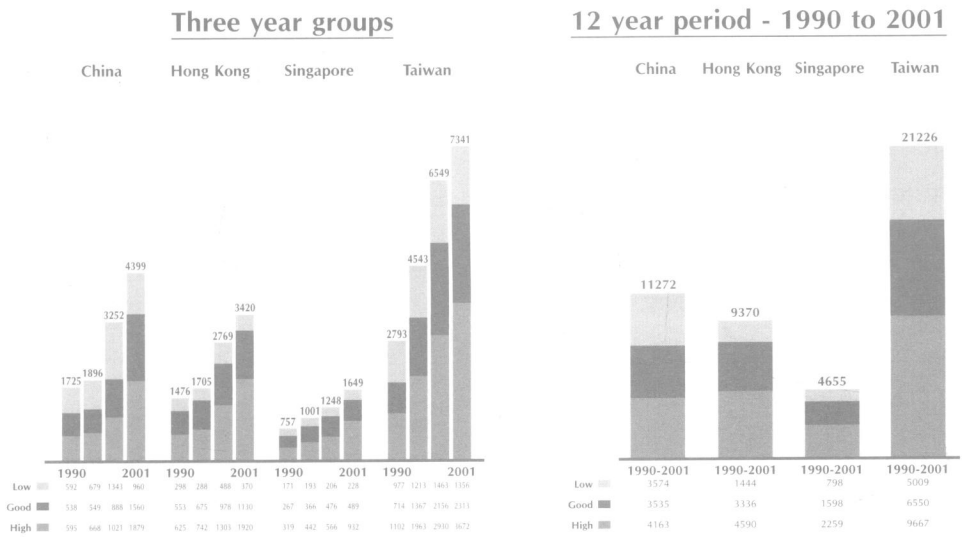
The increase in the total number of Medline publications with an Impact Factor from 1990-1992 to 1999-2001 is similar in the four regions, i e 255 0% for China, 231 7% for Hong Kong, 217 8% for Singapore and 262 8% for Taiwan

The proportion of the publications with an Impact Factor Code 'A', or High Impact Factor, is 50 0% for Hong Kong, 48 5% for Singapore, 45 5% for Taiwan and 36 9% for China

After adjustment of the underlying population in each region, Hong Kong stands out to be most productive, followed by Singapore and Taiwan China for obvious reasons scores very low for the number of Medline publications adjusted for the underlying population

Impact Research Output

Number of full papers (with impact factor) in Medline by country



Number of full papers (with impact factor) in Medline by country / million population

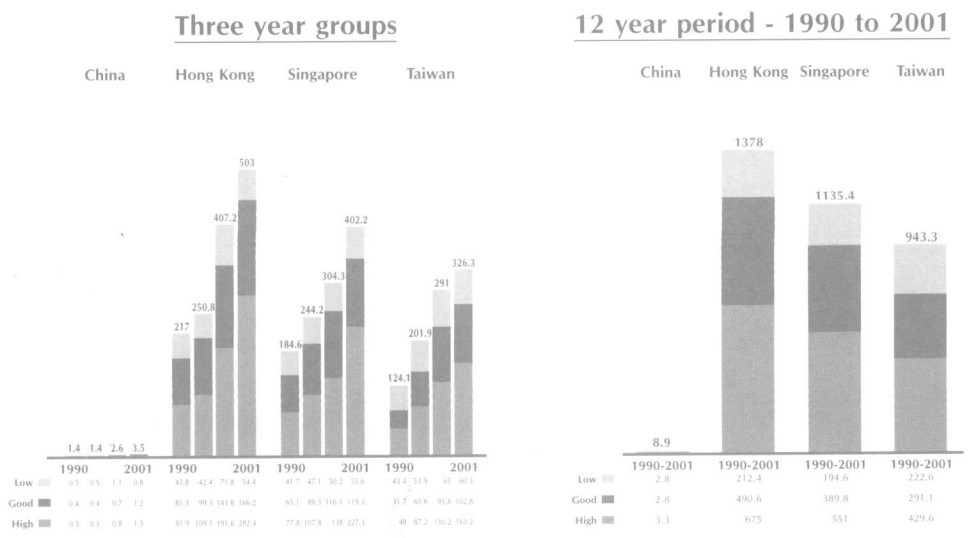


Figure 6. Number of Medline publications published between 1990 and 2001. The number is given for China, Hong Kong, Singapore and Taiwan for all 12 years together, and for four three-year periods (eg. 1990-1992, etc). The total number of publications is given in the upper panel and per million population in the lower panel. Each bar has been divided into three groups of publications – a low, good and high Area Adjusted IF, as described on page 24.

Hong Kong Total Academic Output

In Figure 7 the total number of Medline publications (1990-2001) among Hong Kong institutions divided into the three IF categories, i.e. low, good and high (upper panel). The percentage above each bar represents the contribution made by each institution to the total Hong Kong publication number. The lower panel of Figure 7 gives the corresponding figures for the last three years (1999-2001) of comparison.

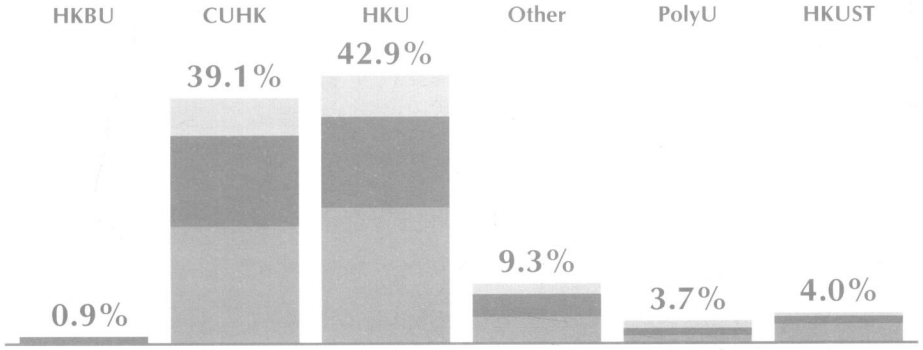
Among the various institutions in Hong Kong, The University of Hong Kong rates as number one considering the total number of Medline full publications from 1990 to 2001, representing 42.2%, i.e. 3.8% more than the runner-up, the Chinese University of Hong Kong. The remaining number of publications comes from non-academic institutions or organizations such as governmental hospitals and private hospitals (9.3%), with another 8.6% from other Hong Kong academic institutions. A similar rate of publication is also seen among the various Hong Kong institutions over the last three years (1999-2001), although the three universities without a Medical Faculty all increased their publication rate slightly against the two medical schools. However, the two medical schools together still account for the vast majority (77.7%) of the total number of Hong Kong publications.

The proportion of high Area Adjusted Impact Factor publications (Impact Factor Code 'A') among Hong Kong Institutions for the whole period of observation (1990-2001) is 70.9% for the Hong Kong University of Science and Technology (HKUST), 51.1% for HKU, 47.2% for Chinese University of Hong Kong (CUHK), 44.3% for Hong Kong Baptist University (HKBU), 43.5% for other and 34.1% for The Hong Kong Polytechnic University (PolyU). This percentages increased over the last three years (1999-2001) for all institutions except for the non-academic institutions (Other), showing a decreasing trend in the proportion of high Area Adjusted Impact Factor. The calculations are all based on the numbers provided in Figure 7.

Hong Kong Institutions

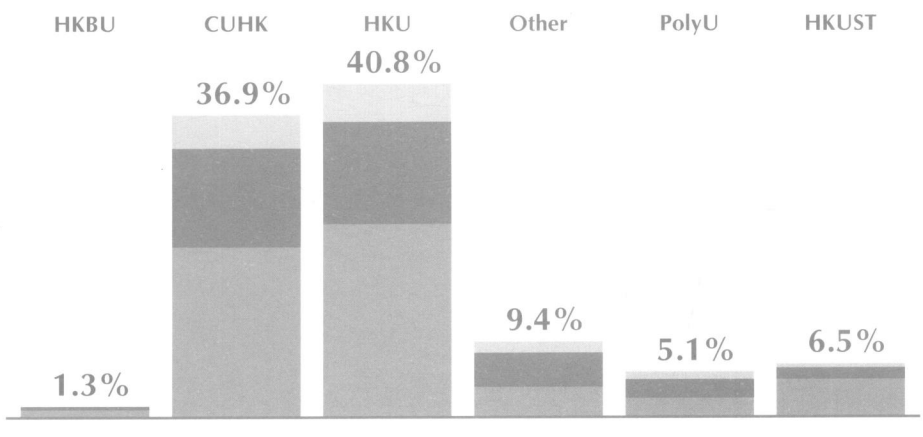
Number of full papers (with impact factor) in Medline

12 year period - 1990 to 2001



	12 years	12 years	12 years	12 years	12 years	12 years
Low	13	552	632	139	80	23
Good	31	1381	1328	353	146	87
High	35	1726	2047	379	117	268
Total	79	3659	4007	871	343	378

3 year period - 1999 to 2001



	3 years	3 years	3 years	3 years	3 years	3 years
Low	0	131	149	53	21	15
Good	18	420	430	140	76	41
High	25	707	809	128	78	165
Total	43	1258	1388	321	175	221

Figure 7. The total number of Medline publications (1990-2001) among Hong Kong institutions divided into the three Area Adjusted IF categories, i.e. low, good and high (upper panel). The percentage above each bars represents the contribution made by each institution to the total Hong Kong publication number. The lower panel gives the corresponding figures for the last three years (1999-2001) of comparison. The institutions correspond to Hong Kong Baptist University (HKBU), Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), non-academic institutions/organizations (Other), Hong Kong Polytechnic University (PolyU) and the Hong Kong University of Science and Technology (HKUST).

Hong Kong Area Specific Academic Output

Figure 8 gives two different area listings in descending order; the number of publications with an IF value and the median Impact Factor for all Clinical and Pre-clinical publications identified. For definition of Clinical and Pre-clinical publication see Table 6, pages 38-39. The publications are those having 'Hong Kong' in the corresponding address field from 1999-2001. The number of publications is an important factor when considering the impact that a certain area has on the international scientific community. From this viewpoint, Surgery, Pharmacology and Pharmacy, and Oncology emerge on top. However, based on the rating of the median Impact Factor of those journals where the identified publications have appeared, the picture becomes quite different with Peripheral Vascular Disease, Virology and Reproductive Biology being the top three rated, while Surgery is relegated to 26th position with a median IF of 1.434.

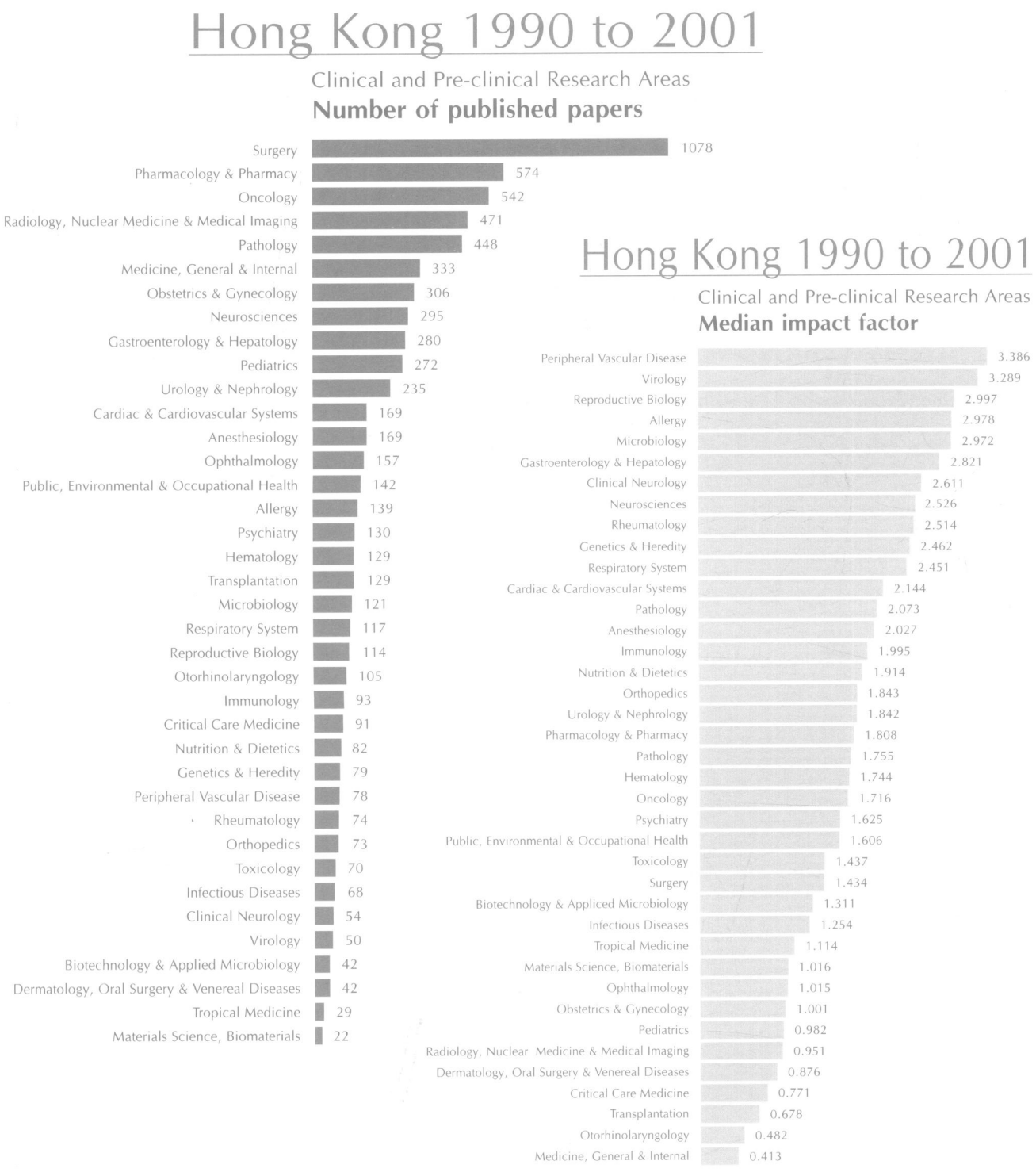


Figure 7. The left graph gives the various areas in descending order, sorted by the number of publications with an IF with 'Hong Kong' in the corresponding address during the period 1990-2001. The right graph includes the areas in descending order sorted by the median Impact Factor of all Hong Kong publications between 1990 and 2001. The area listed are those given in bold in Table 6.

Figure 9 includes the same graph (left) as in Figure 8, i e the total number of Medline full Hong Kong Clinical and Pre-clinical publications with an Impact Factor sorted in descending order The right graph in Figure 9 gives the descending order of the Median Area Adjusted Impact Factor, i e the Median of the ranking % of all publications identified for Hong Kong in a certain area The three top areas are Orthopedics, Reproductive Biology and Anesthesiology with Median Area Adjusted Impact Factors of 92 3%, 87 1% and 86 4%, respectively These figures form a better basis for comparison between areas than a direct comparison of the Impact Factor, as provided by the Science Edition of the Journal Citation Reports

The recommendation made here is that the overall impact of an area should be based on both the total number of publications and the value of the Area Adjusted Impact Factor

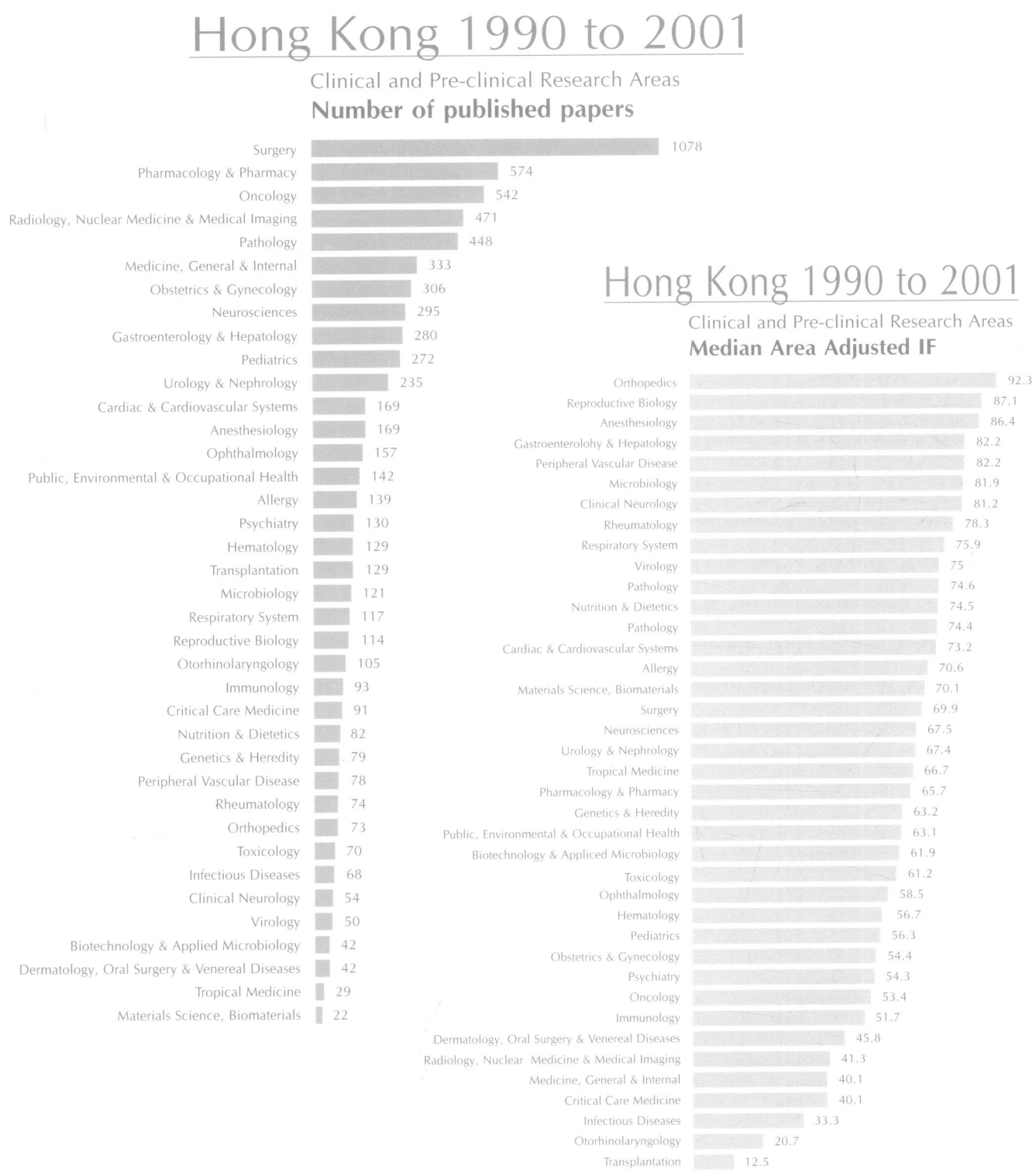


Figure 9. The left graph gives in descending order the number of Hong Kong publications in Medline with an Impact Factor during the period 1990-2001. The right graph includes the areas sorted in descending order after the Median Area Adjusted IF, as previously described on page 24. The areas listed are given in bold in Table 6.

Area Specific Publication Impact

The remaining part of this report includes information about each of the areas listed with bold text in Table 6, representing the major areas in clinical and pre-clinical science research. One additional area has been included: the Multidisciplinary Sciences subject category. The reason for including this table is because the two most important journals in Pre-clinical Science – Nature and Science – are listed in this subject category.

The information of five other areas are not given in tables since the number of publications was still relatively small to provide any useful information. The five areas are Allergy, Aneshesiology, Biochemical Research Methods, Medical Laboratory Technology and Medicine, Research and Experimental.

The remaining selected areas are described in alphabetical order both by Table and Figures in the Appendix.

Table 6. This table gives all details for all Area specific publications identified in Medline between 1990 and 2001 with 'Hong Kong' in the corresponding address. All publications counted here were published in a journal listed in the Science Edition of the Journal Citation Reports for year 2000. The table gives the median Impact Factor given in various ways and the number of category A, B and C publications as well as the total number of publications. The areas given in bold represent the major areas of publication and are mostly clinically and pre-clinically oriented; these areas are the focus of the remaining part of this report.

	Global		Hong Kong									
	All Areas IF	Area IF	Area IF	Adjusted IF	Publications A type		Publications B type		Publications C type		Publications Total	
Area of Research	Median	Median	Median	Median	n	%	n	%	n	%	n	%
Acoustics	0.783	0.650	1.366	84.6	10	100.0	0	0.0	0	0.0	10	100.0
Agriculture, Dairy & Animal Science	0.783	0.521	1.823	100.0	1	100.0	0	0.0	0	0.0	1	100.0
Allergy	0.783	1.858	2.978	70.6	86	61.9	22	15.8	31	22.3	139	100.0
Anatomy & Morphology	0.783	0.896	1.385	73.7	21	84.0	3	12.0	1	4.0	25	100.0
Andrology	0.783	1.357	1.357	66.7	9	69.2	4	30.8	0	0.0	13	100.0
Anesthesiology	0.783	0.927	2.027	86.4	150	88.8	12	7.1	7	4.1	169	100.0
Behavioral Sciences	0.783	1.498	1.419	44.7	2	33.3	4	66.7	0	0.0	6	100.0
Biochemical Research Methods	0.783	1.594	1.756	59.5	7	36.8	11	57.9	1	5.3	19	100.0
Biochemistry & Molecular Biology	0.783	1.882	2.852	68.4	86	55.5	37	23.9	32	20.6	155	100.0
Biology	0.783	0.835	1.989	72.5	5	71.4	2	28.6	0	0.0	7	100.0
Biology, Miscellaneous	0.783	1.293	2.002	66.9	2	50.0	2	50.0	0	0.0	4	100.0
Biophysics	0.783	2.094	3.055	72.7	64	77.1	16	19.3	3	3.6	83	100.0
Biotechnology & Applied Microbiology	0.783	0.973	1.311	61.9	18	42.9	24	57.1	0	0.0	42	100.0
Cardiac & Cardiovascular Systems	0.783	1.099	2.144	73.0	86	50.9	68	40.2	15	8.9	169	100.0
Cell Biology	0.783	2.145	2.775	63.9	62	37.1	87	52.1	18	10.8	167	100.0
Chemistry, Analytical	0.783	1.247	1.976	76.9	36	83.7	7	16.3	0	0.0	43	100.0
Chemistry, Applied	0.783	0.641	1.368	81.8	1	100.0	0	0.0	0	0.0	1	100.0
Chemistry, Inorganic & Nuclear	0.783	1.142	2.712	76.3	13	76.5	3	17.6	1	5.9	17	100.0
Chemistry, Medicinal	0.783	1.397	4.134	91.4	4	80.0	0	0.0	1	20.0	5	100.0
Chemistry, Multidisciplinary	0.783	0.735	6.025	94.9	17	89.5	2	10.5	0	0.0	19	100.0
Chemistry, Organic	0.783	1.605	3.689	91.7	21	72.4	8	27.6	0	0.0	29	100.0
Clinical Neurology	0.783	1.113	2.611	81.0	31	57.4	22	40.7	1	1.9	54	100.0
Computer Science, Artificial Intelligence	0.783	0.575	2.702	98.6	9	100.0	0	0.0	0	0.0	9	100.0
Computer Science, Information Systems	0.783	0.483	0.699	65.7	0	0.0	1	100.0	0	0.0	1	100.0
Computer Science, Interdisciplinary Applications	0.783	0.468	3.409	100.0	5	83.3	1	16.7	0	0.0	6	100.0
Construction & Building Technology	0.783	0.319	1.221	100.0	1	100.0	0	0.0	0	0.0	1	100.0
Critical Care Medicine	0.783	1.407	0.770	40.0	16	17.6	75	82.4	0	0.0	91	100.0
Crystallography	0.783	1.364	0.543	29.4	1	33.3	0	0.0	2	66.7	3	100.0
Dentistry, Oral Surgery & Medicine	0.783	0.890	0.773	39.1	64	24.5	72	27.6	125	47.9	261	100.0
Dermatology, Oral Surgery & Venereal Diseases	0.783	0.921	0.876	45.8	13	31.0	18	42.9	11	26.2	42	100.0
Developmental Biology	0.783	2.353	3.131	66.7	16	51.6	14	45.2	1	3.2	31	100.0

Table 6. (continued)

	Global				Hong Kong							
	All Areas	Area	Area	Adjusted	Publications		Publications		Publications		Publications	
	IF	IF	IF	IF	A type		B type		C type		Total	
Area of Research	Median	Median	Median	Median	n	%	n	%	n	%	n	%
Ecology	0.783	1.025	2.769	88.0	2	100.0	0	0.0	0	0.0	2	100.0
Emergency Medicine	0.783	0.739	1.054	66.7	12	52.2	11	47.8	0	0.0	23	100.0
Endocrinology & Metabolism	0.783	1.886	2.732	73.0	136	60.4	71	31.6	18	8.0	225	100.0
Energy & Fuels	0.783	0.352	0.700	81.8	1	100.0	0	0.0	0	0.0	1	100.0
Engineering, Biomedical	0.783	0.982	1.600	75.6	52	80.0	9	13.8	4	6.2	65	100.0
Engineering, Electrical & Electronic	0.783	0.495	1.640	92.2	3	100.0	0	0.0	0	0.0	3	100.0
Engineering, Environmental	0.783	0.464	1.221	91.7	3	100.0	0	0.0	0	0.0	3	100.0
Engineering, Industrial	0.783	0.296	0.642	90.3	2	100.0	0	0.0	0	0.0	2	100.0
Entomology	0.783	0.585	0.763	57.6	0	0.0	1	100.0	0	0.0	1	100.0
Environmental Sciences	0.783	0.822	1.033	59.8	23	34.8	41	62.1	2	3.0	66	100.0
Food Science & Technology	0.783	0.660	1.560	92.6	30	93.8	2	6.3	0	0.0	32	100.0
Gastroenterology & Hepatology	0.783	1.699	2.820	82.2	153	54.6	115	41.1	12	4.3	280	100.0
Genetics & Heredity	0.783	1.965	2.462	63.2	29	36.7	38	48.1	12	15.2	79	100.0
Geriatrics & Gerontology	0.783	1.413	1.549	63.6	13	43.3	15	50.0	2	6.7	30	100.0
Health Care Sciences & Services	0.783	0.963	1.078	56.8	10	22.7	33	75.0	1	2.3	44	100.0
Hematology	0.783	1.473	1.744	56.7	60	46.5	38	29.5	31	24.0	129	100.0
Immunology	0.783	1.943	1.995	51.7	37	39.8	37	39.8	19	20.4	93	100.0
Infectious Diseases	0.783	1.872	1.254	33.3	11	16.2	24	35.3	33	48.5	68	100.0
Integrative & Complementary Medicine	0.783	0.579	0.930	87.5	1	100.0	0	0.0	0	0.0	1	100.0
Marine & Freshwater Biology	0.783	0.894	1.625	87.3	6	85.7	1	14.3	0	0.0	7	100.0
Materials Science, Biomaterials	0.783	0.653	1.016	70.0	15	68.2	2	9.1	5	22.7	22	100.0
Mathematics, Applied	0.783	0.559	1.900	98.6	1	100.0	0	0.0	0	0.0	1	100.0
Mathematics, Miscellaneous	0.783	0.923	1.059	75.0	3	75.0	1	25.0	0	0.0	4	100.0
Medical Ethics	0.783	0.810	0.955	80.0	1	100.0	0	0.0	0	0.0	1	100.0
Medical Informatics	0.783	0.893	0.699	43.8	13	40.6	11	34.4	8	25.0	32	100.0
Medical Laboratory Technology	0.783	1.063	1.327	62.5	35	42.2	39	47.0	9	10.8	83	100.0
Medicine, General & Internal	0.783	0.583	0.413	40.0	124	37.2	48	14.4	161	48.3	333	100.0
Medicine, Legal	0.783	0.939	0.829	33.3	0	0.0	21	100.0	0	0.0	21	100.0
Medicine, Research & Experimental	0.783	1.422	0.973	37.8	10	21.7	20	43.5	16	34.8	46	100.0
Microbiology	0.783	1.511	2.972	81.9	70	57.9	44	36.4	7	5.8	121	100.0
Microscopy	0.783	1.249	1.746	80.0	9	90.0	1	10.0	0	0.0	10	100.0
Multidisciplinary Sciences	0.783	0.366	1.381	83.7	25	100.0	0	0.0	0	0.0	25	100.0
Mycology	0.783	0.921	0.708	50.0	0	0.0	4	100.0	0	0.0	4	100.0
Neuroimagine	0.783	0.997	2.984	66.7	1	50.0	1	50.0	0	0.0	2	100.0
Neurosciences	0.783	1.758	2.526	67.5	164	55.6	117	39.7	14	4.7	295	100.0
Nutrition & Dietetics	0.783	1.220	1.914	74.5	64	78.0	15	18.3	3	3.7	82	100.0
Obstetrics & Gynecology	0.783	0.950	1.000	54.4	107	35.0	95	31.0	104	34.0	306	100.0
Oncology	0.783	1.626	1.716	53.4	183	33.8	287	53.0	72	13.3	542	100.0
Ophthalmology	0.783	0.773	1.015	58.5	55	35.0	57	36.3	45	28.7	157	100.0
Optics	0.783	0.684	1.481	80.7	1	100.0	0	0.0	0	0.0	1	100.0
Orthopedics	0.783	0.795	1.843	92.3	55	75.3	7	9.6	11	15.1	73	100.0
Otorhinolaryngology	0.783	0.818	0.482	20.7	23	21.9	18	17.1	64	61.0	105	100.0
Parasitology	0.783	0.988	1.657	71.4	10	55.6	8	44.4	0	0.0	18	100.0
Pathology	0.783	1.174	1.755	74.6	284	63.4	152	33.9	12	2.7	448	100.0
Pediatrics	0.783	0.812	0.982	56.3	115	42.3	132	48.5	25	9.2	272	100.0
Peripheral Vascular Disease	0.783	1.596	3.386	82.2	54	69.2	11	14.1	13	16.7	78	100.0
Pharmacology & Pharmacy	0.783	1.279	1.808	65.7	266	46.3	223	38.9	85	14.8	574	100.0
Physics, Atomic, Molecular & Chemical	0.783	1.442	2.150	76.7	6	100.0	0	0.0	0	0.0	6	100.0
Physics, Mathematical	0.783	1.008	2.142	96.6	3	100.0	0	0.0	0	0.0	3	100.0
Physics, Multidisciplinary	0.783	0.671	6.462	94.2	10	100.0	0	0.0	0	0.0	10	100.0
Physiology	0.783	1.391	2.203	68.4	61	54.5	42	37.5	9	8.0	112	100.0
Plant Sciences	0.783	0.816	1.831	82.5	39	75.0	13	25.0	0	0.0	52	100.0
Psychiatry	0.783	1.556	1.625	54.3	30	23.1	92	70.8	8	6.2	130	100.0
Psychology	0.783	1.323	1.252	48.2	12	28.6	19	45.2	11	26.2	42	100.0
Public, Environmental & Occupational Health	0.783	1.271	1.606	63.1	61	43.0	46	32.4	35	24.6	142	100.0
Radiology, Nuclear Medicine & Medical Imaging	0.783	1.017	0.951	41.3	149	31.6	243	51.6	79	16.8	471	100.0
Rehabilitation	0.783	0.809	0.535	42.9	9	29.0	15	48.4	7	22.6	31	100.0
Reproductive Biology	0.783	1.952	2.997	87.0	94	82.5	1	0.9	19	16.7	114	100.0
Respiratory System	0.783	1.575	2.451	75.9	77	65.8	31	26.5	9	7.7	117	100.0
Rheumatology	0.783	1.398	2.514	78.3	58	78.4	12	16.2	4	5.4	74	100.0
Spectroscopy	0.783	1.397	2.638	83.8	11	100.0	0	0.0	0	0.0	11	100.0
Sport Sciences	0.783	0.732	0.843	59.0	19	31.7	41	68.3	0	0.0	60	100.0
Statistics & Probability	0.783	0.459	1.257	87.0	22	91.7	2	8.3	0	0.0	24	100.0
Substance Abuse	0.783	1.495	0.687	11.1	1	25.0	0	0.0	3	75.0	4	100.0
Surgery	0.783	0.810	1.434	69.9	553	51.3	384	35.6	141	13.1	1078	100.0
Toxicology	0.783	1.308	1.437	61.0	29	41.4	28	40.0	13	18.6	70	100.0
Transplantation	0.783	2.093	0.678	12.5	48	37.2	5	3.9	76	58.9	129	100.0
Tropical Medicine	0.783	0.894	1.114	66.7	15	51.7	8	27.6	6	20.7	29	100.0
Urology & Nephrology	0.783	1.370	1.842	67.4	136	57.9	83	35.3	16	6.8	235	100.0
Veterinary Sciences	0.783	0.446	1.236	86.7	29	60.4	19	39.6	0	0.0	48	100.0
Virology	0.783	2.219	3.289	75.0	33	66.0	15	30.0	2	4.0	50	100.0
Water Resources	0.783	0.579	1.285	97.9	9	75.0	3	25.0	0	0.0	12	100.0
Zoology	0.783	0.717	1.249	82.1	33	84.6	6	15.4	0	0.0	39	100.0

Summary of Area Specific Publication Impact

Table 7 indicates the number of Medline publications produced by China, Hong Kong, Singapore, Taiwan with an impact factor published between January 1990 and November 2001. Only the major Clinical and Pre-clinical Science research areas, shown in bold in Table 6, have been listed and are in two groups -- namely Clinical Science and Pre-clinical Science. Each area is described in more detail in the Appendix in alphabetical order. As seen in Table 7, there is a large variation in the number of publications for each area, and a large variation of the proportion of the publications published in each region. However, Figure 10 gives the percentage for all Clinical Science publications and Pre-clinical Science publications, respectively, and the two combined for the region in Table 8. As can be seen from Figure 10, Taiwan had the largest proportion (49.8%) of identified publications in the Clinical Science area, followed by Hong Kong (24.3%), China (15.5%) and Singapore (10.4%). The findings are slightly different for the Pre-clinical Science area, where Taiwan made the largest contribution (42.3%) followed by China (33.7%), Hong Kong (15.0%) and Singapore (9.0%). Taking all areas together (Table 7 and Figure 10), Taiwan accounted for about 50 publications out of 100, China and Hong Kong had 20 publications each, and Singapore the remaining 10 publications.

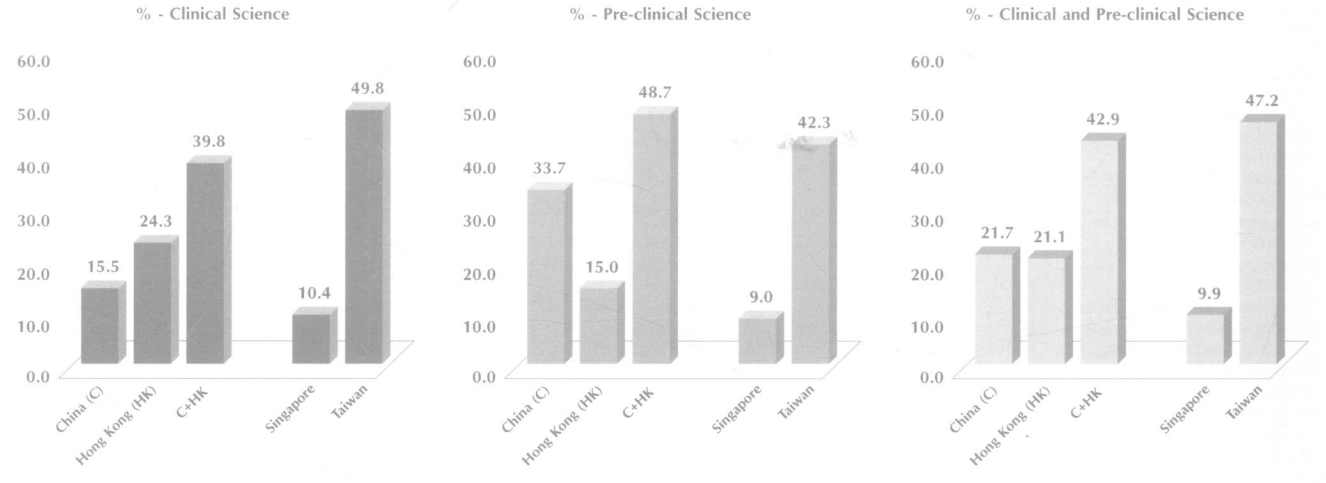


Figure 10. The three charts include the percentage of all Clinical Science publications, Pre-clinical Science publications, and the two combined, respectively, for the four dominant Chinese populated regions. The details of the results are in Table 7.

Table 7. The number of Medline publications with an impact factor published between January 1990 and November 2001 from China, Hong Kong, Singapore, Taiwan.

	Total	China		Hong Kong		China + Hong Kong		Singapore		Taiwan	
Area	N	N	%	N	%	N	%	N	%	N	%
Clinical Science											
Anesthesiology	408	32	7 8	169	41 4	201	49 3	61	15 0	146	35 8
Cardiac & Cardiovascular Systems	866	93	10 7	169	19 5	262	30 3	41	4 7	563	65 0
Clinical Neurology	297	39	13 1	54	18 2	93	31 3	20	6 7	184	62 0
Critical Care Medicine	162	8	4 9	91	56 2	99	61 1	34	21 0	29	17 9
Dentistry Oral Surgery & Medicine	743	100	13 5	261	35 1	361	48 6	151	20 3	231	31 1
Emergency Medicine	97	5	5 2	23	23 7	28	28 9	10	10 3	59	60 8
Endocrinology & Metabolism	765	96	12 5	225	29 4	321	42 0	120	15 7	324	42 4
Gastroenterology & Hepatology	1225	89	7 3	280	22 9	369	30 1	94	7 7	762	62 2
Geriatrics & Gerontology	88	21	23 9	30	34 1	51	58 0	4	4 5	33	37 5
Hematology	458	89	19 4	129	28 2	218	47 6	29	6 3	211	46 1
Immunology	586	131	22 4	93	15 9	224	38 2	77	13 1	285	48 6
Infectious Diseases	278	22	7 9	68	24 5	90	32 4	41	14 7	147	52 9
Medicine General & Internal	3228	540	16 7	333	10 3	873	27 0	63	2 0	2292	71 0
Microbiology	800	132	16 5	121	15 1	253	31 6	105	13 1	442	55 3
Nutrition & Dietetics	376	117	31 1	82	21 8	199	52 9	23	6 1	154	41 0
Obstetrics & Gynecology	930	93	10 0	306	32 9	399	42 9	142	15 3	389	41 8
Oncology	2147	408	19 0	542	25 2	950	44 2	157	7 3	1040	48 4
Ophthalmology	458	62	13 5	157	34 3	219	47 8	97	21 2	142	31 0
Orthopedics	255	33	12 9	73	28 6	106	41 6	18	7 1	131	51 4
Otorhinolaryngology	425	107	25 2	105	24 7	212	49 9	52	12 2	161	37 9
Pathology	903	78	8 6	448	49 6	526	58 3	126	14 0	251	27 8
Pediatrics	784	53	6 8	273	34 8	326	41 6	132	16 8	326	41 6
Peripheral Vascular Disease	347	125	22 9	78	14 3	203	37 1	25	4 6	319	58 3
Psychiatry	352	52	14 8	130	36 9	182	51 7	44	12 5	126	35 8
Public Environmental & Occ Health	900	343	38 1	142	15 8	485	53 9	126	14 0	289	32 1
Reproductive Biology	411	80	19 5	114	27 7	194	47 2	72	17 5	145	35 3
Respiratory System	433	57	11 8	117	24 2	174	36 0	51	10 6	258	53 4
Rheumatology	235	7	3 0	74	31 5	81	34 5	42	17 9	112	47 7
Surgery	3847	623	16 2	1079	28 0	1702	44 2	418	10 9	1727	44 9
Transplantation	612	87	14 2	129	21 1	216	35 3	68	11 1	328	53 6
Urology & Nephrology	1008	96	9 5	235	23 3	331	32 8	82	8 1	595	59 0
Virology	730	128	17 5	50	6 8	178	24 4	105	14 4	447	61 2
Total	**25404**	**3946**	**15 5**	**6180**	**24.3**	**10126**	**39.9**	**2630**	**10.4**	**12648**	**49.8**
Pre-clinical Science											
Biochemistry & Molecular Biology	1621	507	31 3	155	9 6	662	40 8	260	16 0	699	43 1
Biotechnology & Applied Microbiology	352	155	44 0	42	11 9	197	56 0	36	10 2	119	33 8
Cell Biology	893	231	25 9	167	18 7	398	44 6	169	18 9	326	36 5
Genetics & Heredity	757	249	32 9	79	10 4	328	43 3	124	16 4	305	40 3
Materials Science Biomaterials	311	89	28 6	22	7 1	111	35 7	44	14 1	156	50 2
Neurosciences	1937	705	36 0	295	15 1	1000	51 1	169	8 6	788	40 3
Pharmacology & Pharmacy	3869	1830	47 3	574	14 8	2404	62 1	197	5 1	1268	32 8
Physiology	671	99	14 8	112	16 7	211	31 4	18	2 7	442	65 9
Radiology Nuclear Medicine	1810	244	13 5	471	26 0	715	39 5	82	4 5	1013	56 0
Toxicology	979	344	35 1	70	7 2	414	42 3	91	9 3	474	48 4
Total	**13220**	**4453**	**33 7**	**1987**	**15 0**	**6440**	**48 7**	**1190**	**9.0**	**5590**	**42.3**
Grand Total	**38624**	**8399**	**21 7**	**8167**	**21.1**	**16566**	**42 9**	**3820**	**9 9**	**18238**	**47 2**

Table 8 indicates the number of Medline publications with an impact factor published between January 1990 and November 2001 by Hong Kong institutions: namely the Chinese University of Hong Kong, The University of Hong Kong, other academic institutions and non-academic institutions or organizations. Each area is described in more detail in the Appendix in alphabetical order. Figure 11 indicates the proportions of Clinical Science publications and Pre-clinical Science publication areas respectively for each institutional group. The two institutions with medical faculties together account for 85.5% of Clinical Science output and 79.9% of Pre-clinical Science academic output in Hong Kong. The University of Hong Kong is rated number one in Clinical Science with 47.4% of the Hong Kong publications while the Chinese University of Hong Kong is the leading institution in Pre-clinical Science with 44.3% of the output. Table 8 indicates that The University of Hong Kong accounted for the largest number of publications in 19 out of 33 Clinical Science areas (57.6%) versus 9 for the Chinese University and one each for the other two institutional groups. The Chinese University had the largest number of publications in 6 out of 10 Pre-clinical Science areas (60.0%) versus three for The University of Hong Kong and one for other academic institutions. Taking all areas together (Table 8 and Figure 11) The University of Hong Kong accounted for 45 Hong Kong publications out of 100, the Chinese University of Hong Kong for 40 publications, other academic institutions for 6 and non-academic institutions for the remaining 9 publications.

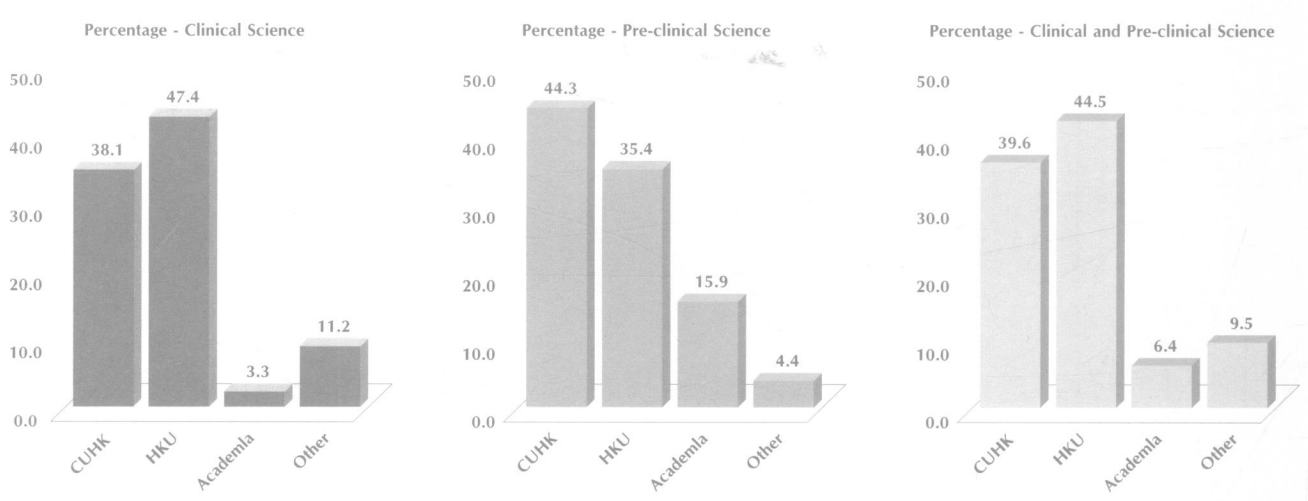


Figure 11. The three charts include the percentages of all Clinical Science publications and the Pre-clinical Science publications, and the two combined, respectively, for Hong Kong institutions: namely the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia), and non-academic institutions or organizations (Other). Details of the results are in Table 8.

Table 8. The number of Medline publications with an impact factor published between January 1990 and November 2001 for Hong Kong institutions: the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other). Only life science areas are listed and they are given in two groups, namely Clinical Science and Pre-clinical Science. Bold figures represent the highest percentage within each area.

	Total	CUHK		HKU		Academia		Other	
Area	N	N	%	N	%	N	%	N	%
Clinical Science									
Anesthesiology	169	127	**75.1**	26	15 4	0	0.0	16	9.5
Cardiac & Cardiovascular Systems	169	48	28.4	115	**68.0**	0	0.0	6	3 6
Clinical Neurology	54	25	46.3	26	**48.1**	0	0.0	3	5 6
Critical Care Medicine	91	48	**52.7**	26	28 6	1	1.1	16	17.6
Dentistry, Oral Surgery & Medicine	261	2	0.8	248	**95.0**	0	0.0	11	4.2
Emergency Medicine	23	6	26.1	4	17.4	1	4.3	12	**52.2**
Endocrinology & Metabolism	225	116	**51.6**	100	44.4	4	1.8	5	2.2
Gastroenterology & Hepatology	280	88	31 4	162	**57.9**	0	0.0	30	10.7
Geriatrics & Gerontology	30	21	**70.0**	6	20.0	0	0.0	3	10.0
Hematology	129	26	20.2	75	**58.1**	1	0.8	27	20.9
Immunology	93	41	44 1	47	**50.5**	4	4.3	1	1.1
Infectious Diseases	68	22	32.4	32	**47.1**	1	1.5	13	19.1
Medicine, General & Internal	333	160	48 0	128	38.4	3	0.9	42	12 6
Microbiology	121	35	28.9	81	**66.9**	2	1.7	3	2.5
Nutrition & Dietetics	82	35	**42.7**	34	41.5	11	13.4	2	2.4
Obstetrics & Gynecology	306	178	**58.2**	112	36.6	2	0 7	14	4.6
Oncology	542	163	30.1	284	**52.4**	38	7.0	57	10.5
Ophthalmology	157	49	31.2	9	5.7	92	**58.6**	7	4.5
Orthopedics	73	17	23 3	46	**63.0**	4	5.5	6	8.2
Otorhinolaryngology	105	63	**60.0**	34	32.4	0	0.0	8	7.6
Pathology	448	115	25.7	205	**45.8**	4	0.9	124	27.7
Pediatrics	273	114	41.8	126	**46.2**	1	0 4	32	11.7
Peripheral Vascular Disease	78	35	44.9	41	**52.6**	1	1 3	1	1.3
Psychiatry	130	79	**60.8**	45	34.6	3	2.3	3	2.3
Public, Environmental & Occ. Health	142	55	**38.7**	50	35.2	17	12.0	20	14 1
Reproductive Biology	114	41	36 0	64	**56.1**	1	0.9	8	7.0
Respiratory System	117	42	35.9	63	**53.8**	4	3.4	8	6.8
Rheumatology	74	22	29.7	44	**59.5**	1	1.4	7	9.5
Surgery	1079	439	40.7	486	**45.0**	5	0 5	149	13 8
Transplantation	129	33	25.6	80	**62.0**	0	0.0	16	12.4
Urology & Nephrology	235	94	40.0	99	**42.1**	1	0.4	41	17.4
Virology	50	15	30.0	33	**66.0**	2	4.0	0	0.0
Total	**6180**	**2354**	**38.1**	**2931**	**47.4**	**204**	**3.3**	**691**	**11.2**
Pre-clinical Science									
Biochemistry & Molecular Biology	155	58	**37.4**	46	29.7	51	32.9	0	0.0
Biotechnology & Applied Microbiology	42	3	7.1	9	21.4	29	**69.0**	1	2.4
Cell Biology	167	60	**35.9**	57	34.1	50	29.9	0	0.0
Genetics & Heredity	79	36	**45.6**	24	30.4	15	19.0	4	5.1
Materials Science, Biomaterials	22	1	4.5	16	**72.7**	5	22 7	0	0.0
Neurosciences	295	96	32.5	114	**38.6**	81	27.5	4	1.4
Pharmacology & Pharmacy	574	327	**57.0**	214	37.3	26	4.5	7	1.2
Physiology	112	45	40.2	58	**51.8**	9	8.0	0	0.0
Radiology, Nuclear Medicine	471	224	**47.6**	150	31.8	29	6.2	68	14.4
Toxicology	70	30	**42.9**	16	22.9	20	28.6	4	5.7
Total	**1987**	**880**	**44.3**	**704**	**35.4**	**315**	**15.9**	**88**	**4.4**
Grand Total	**8167**	**3234**	**39.6**	**3635**	**44.5**	**519**	**6.4**	**779**	**9.5**

Table 9 provides the number of Medline publications with an impact factor published between January 1990 and November 2001 for The University of Hong Kong (HKU), compared with all Singaporean institutions taken together. Figure 12 highlights the main findings of this comparison -- that The University of Hong Kong had a higher publication rate during the 12 years of observation in Clinical Science than all Singaporean institutions taken together, 2,931 publications versus 2,630 publications. In the Pre-clinical Science area The University of Hong Kong had 704 versus 1,190 for all of Singapore.

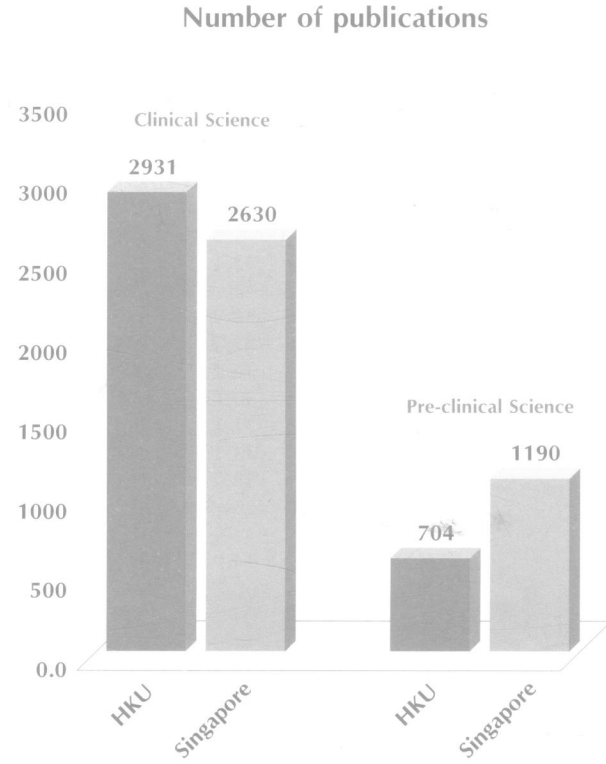


Figure 12. The number of Medline publications with an impact factor published between January 1990 and November 2001 by The University of Hong Kong (HKU) compared with all Singaporean institutions taken together.

Table 9. The number of Medline publications with an impact factor published between January 1990 and November 2001 by The University of Hong Kong (HKU) compared with all Singaporean institutions taken together. Only life science areas are listed and are in two groups, namely Clinical Science and Pre-clinical Science.

Area	HKU N	Singapore N	Difference %
Clinical Science			
Anesthesiology	26	61	-57.4
Cardiac & Cardiovascular Systems	115	41	180.5
Clinical Neurology	26	20	30.0
Critical Care Medicine	26	34	-23.5
Dentistry, Oral Surgery & Medicine	248	151	64.2
Emergency Medicine	4	10	-60.0
Endocrinology & Metabolism	100	120	-16.7
Gastroenterology & Hepatology	162	94	72.3
Geriatrics & Gerontology	6	4	50.0
Hematology	75	29	158.6
Immunology	47	77	39.0
Infectious Diseases	32	41	-22.0
Medicine, General & Internal	128	63	103.2
Microbiology	81	105	-22.9
Nutrition & Dietetics	34	23	47.8
Obstetrics & Gynecology	112	142	-21.1
Oncology	284	157	80.9
Ophthalmology	9	97	-90.7
Orthopedics	46	18	155.6
Otorhinolaryngology	34	52	34.5
Pathology	205	126	62.7
Pediatrics	126	132	-4.5
Peripheral Vascular Disease	41	25	64.0
Psychiatry	45	44	2.3
Public, Environmental & Occ. Health	50	126	60.3
Reproductive Biology	64	72	-11.1
Respiratory System	63	51	23.5
Rheumatology	44	42	4.8
Surgery	486	418	16.3
Transplantation	80	68	17.6
Urology & Nephrology	99	82	20.7
Virology	33	105	68.6
Total	**2931**	**2630**	**11.4**
Pre-clinical Science			
Biochemistry & Molecular Biology	46	200	-82.3
Biotechnology & Applied Microbiology	9	36	-75.0
Cell Biology	57	169	-66.3
Genetics & Heredity	24	124	-80.6
Materials Science, Biomaterials	16	44	-63.6
Neurosciences	114	169	-32.5
Pharmacology & Pharmacy	214	197	8.6
Physiology	58	18	222.2
Radiology, Nuclear Medicine	150	82	82.9
Toxicology	16	91	-82.4
Total	**704**	**1190**	**-40.8**
Grand Total	**3635**	**3820**	**-4.8**

Table 10 and Figure 13 indicate the number of Medline publications with an impact factor published between January 1990 and November 2001 for China, Hong Kong, Singapore and Taiwan. Only the total numbers of life science research areas were considered and are in two groups, namely Clinical Science and Pre-clinical Science. The figures are taken from Table 7 and the numbers have been divided by the total population of each region to produce a population-based adjusted (Adjusted) life science academic output; based on populations for China (1,261.5 million), Hong Kong (6.8 million), Singapore (4.1 million) and Taiwan (22.5 million). Table 10 and Figure 13 indicate that Hong Kong is the leader of the four when the number of publications is adjusted for the size of the population, both for Clinical Life Science and Pre-clinical Science. The runner-up is Singapore, followed by Taiwan. Based on the population-adjusted publication values, Hong Kong published 28% (1,202 versus 932 per million population) more publications in Clinical and Pre-clinical Science than Singapore and 48% (1,202 versus 811 per million population) more than Taiwan.

Table 10. The number of Medline publications with an impact factor published between January 1990 and November 2001 from China, Hong Kong, Singapore and Taiwan. Population-based adjusted life science academic output (Adjusted*); refers to the number of publications per million populations.

	China		**Hong Kong**		**Singapore**		**Taiwan**	
	Publications		Publications		Publications		Publications	
Area	Total N	Adjusted* N	Total N	Adjusted* N	Total N	Adjusted* N	Total N	Adjusted* N
Clinical Science	3946	3.1	6180	908.8	2630	641.5	12648	562.1
Pre-clinical Science	4453	3.5	1987	292.2	1190	290.2	5590	248.4
Total	**8399**	**6.7**	**8167**	**1201.0**	**3820**	**931.7**	**18238**	**810.6**

* Based on figures from Table 7. Population of the four regions are China 1,261.5 million, Hong Kong 6.8 million, Singapore 4.1 million and Taiwan 22.5 million.

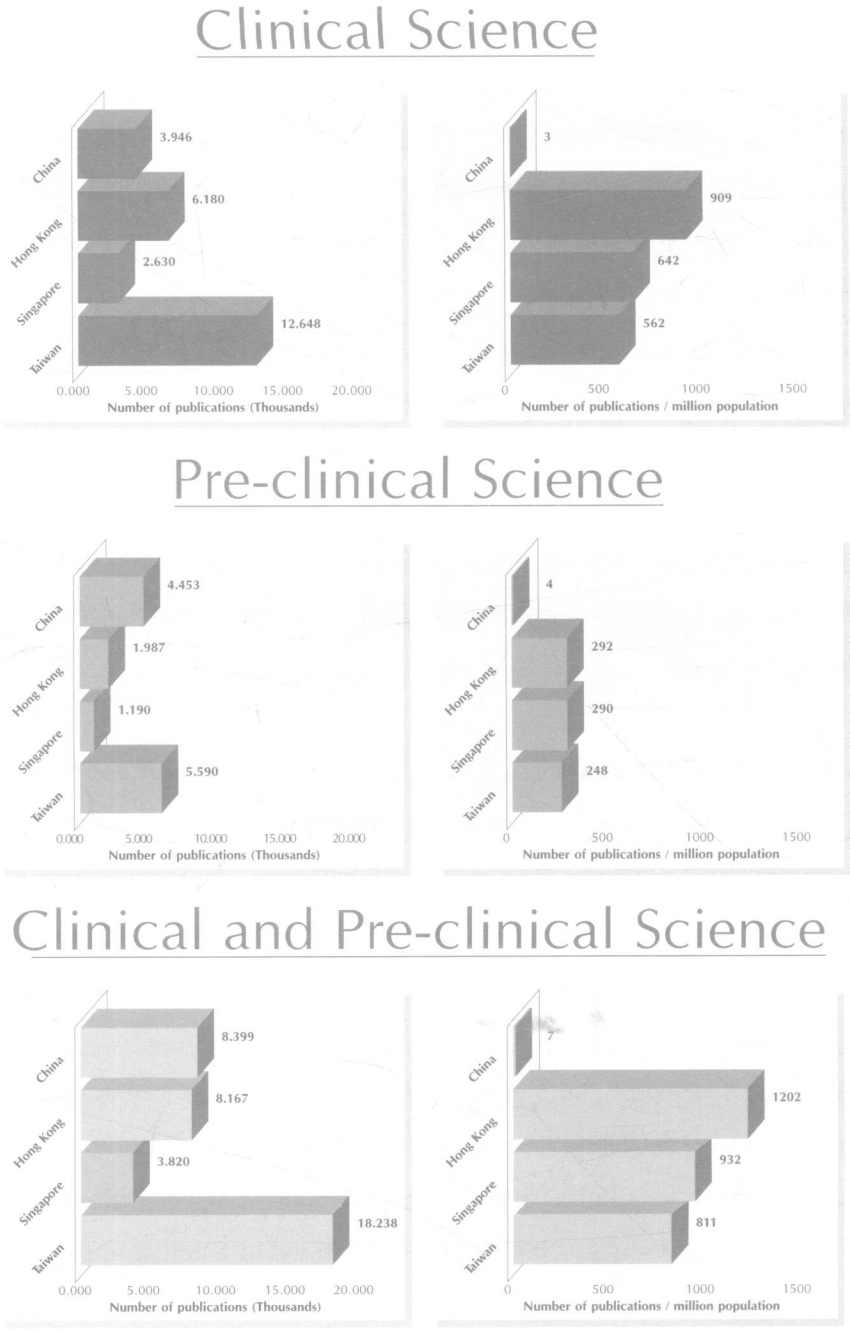


Figure 13. The figure gives the total number of Medline publications with an impact factor published between January 1990 and November 2001 from China, Hong Kong, Singapore and Taiwan. The figures are taken from Table 1 and the numbers have been divided by the total population in each region to produce a population-based adjusted (Adjusted) life science academic output; based on the populations of China (1,261.5 million), Hong Kong (6.8 million), Singapore (4.1 million) and Taiwan (22.5 million). As a contrast, the total number of publications is also provided per region in the figure.

Summary

The single most important component of a biotech company is human resources. No biotechnology industry can exist or advance without universities and their research excellence in both Clinical Science and Pre-clinical Science. In the initial phase of establishing a biotechnology industry in an emerging region, universities and university hospitals are the breeding ground for growth. This was the case in all established biotechnology regions and will continue to be so.

By the year 2020 it is estimated that predominantly Chinese communities will be the leading consumers of life science products world-wide, which explains the rapidly increasing interest in this market. Against this background, this study describes the life science academic output in Asia's four predominantly Chinese communities: China, Hong Kong, Singapore and Taiwan. The findings should be of value to academic institutions, the biotechnology industry and government bodies in their effective apportionment and investment of resources in the life science field.

The findings clearly establish that all four areas – China, Hong Kong, Taiwan and Singapore – are important emerging research centres for life science. All four already produce a respectable academic life science output. From a global perspective, they rank among the top 20 to 30 countries, behind the more established life science / biotechnology leaders: North America, Europe and Australia/New Zealand. In Asia, Japan and Israel also have a higher academic life science output than any of the four predominantly Chinese communities.

Taiwan is here shown to be producing the highest number of life science publications, followed by China, Hong Kong and Singapore. However, Hong Kong is the leading location of the four when output is adjusted for the size of the populations, both for Clinical Science and Pre-clinical Science. Based on population-adjusted publication values, Hong Kong produces 28% more publications in Clinical and Pre-clinical Science than Singapore, and 48% more than Taiwan.

China is strongest in Pre-clinical Science than Clinical Science, while the reverse is true for Hong Kong, compared to Singapore and Taiwan. This trend was also noted when the number of publications in 'very high impact' journals were counted; among the four, China accounted for 55% of the 'very high impact' Pre-clinical Science publications, while Hong Kong produced 55% of the 'very high impact' Clinical Science publications. Life science research collaborations are already strong between China and Hong Kong, and further integration seems likely to ensure even greater and faster success.

The two Hong Kong institutions with medical faculties – The University of Hong Kong (HKU) and the Chinese University of Hong Kong (CUHK) – account for 85% of the Clinical and Pre-clinical publications in Hong Kong, with HKU producing 45% and CUHK producing 40%. However, the margin widens when Clinical Science is considered in isolation, with HKU taking a 9% lead over CUHK.

Over the past decade Hong Kong and Singapore have competed to attract international pharmaceutical companies and life science investment – and become the leading centre for biotechnology development in Asia (outside Japan). From this study it is clear that Singapore falls short of Hong Kong, which has a strikingly superior life science academic performance. To cite just one example, The University of Hong Kong, one of the two medical institutions in Hong Kong, has a higher Clinical Science academic output than all institutions, hospitals and private organizations in Singapore put together. One explanation, perhaps, is that Hong Kong has two competing medical faculties, while Singapore only has one medical faculty. Excellence does not tend to develop without competition.

It is possible to formulate many recommendations or proposals on the basis of this study, but only one is made here. Hong Kong is in an extremely competitive position in the medical life science academic area -- not only in the region but also globally -- together with a uniquely strategic position in respect to China. Medical life science innovations and discoveries are known to emerge from medical universities and university hospitals. The Hong Kong SAR Government could capitalise on this resource. Hong Kong clearly has the infrastructure and human resources in place, but cannot expect to advance without appropriate funding.

Appendix

This appendix includes selected areas listed with bold text in Table 6 (page 38-39), representing the major areas in life science research.

The information of five other areas are not given in Tables since the number of publications is too small to provide any useful information. The five areas are Allergy, Anesthesiology, Biochemical Research Methods, Medical Laboratory Technology and Medicine, Research and Experimental.

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Multidisciplinary Sciences JCR subject category. The Area Adjusted Impact Factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

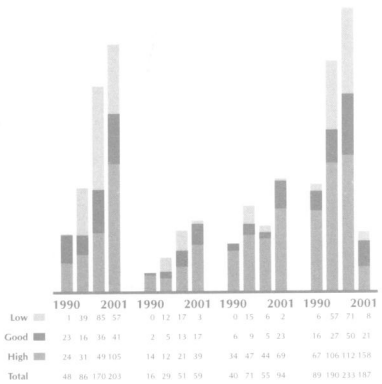
Subject Category, Area **Multidisciplinary Sciences**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
NATURE	25.814	100.0	A	15	3	8	2	28
SCIENCE	23.872	98 0	A	14	3	6	1	24
P NATL ACAD SCI USA	10.789	95.9	A	24	6	6	32	68
SCI AM	2.240	93 9	A	0	0	0	0	0
IBM J RES DEV	1.944	91.8	A	0	0	0	0	0
J RES NATL INST STAN	1.611	89.8	A	0	0	0	0	0
PHILOS T ROY SOC A	1.493	87.8	A	0	0	0	0	0
P ROY SOC LOND A MAT	1.403	85.7	A	0	0	0	0	0
ANN NY ACAD SCI	1.381	83.7	A	78	13	4	18	113
NATURWISSENSCHAFTEN	1.261	81 6	A	2	0	0	0	2
AM SCI	1.155	79.6	A	0	0	0	0	0
CR ACAD SCI III VIE	0.980	77.6	A	1	0	0	0	1
INT J BIFURCAT CHAOS	0.866	75.5	A	0	0	0	0	0
FRACTALS	0.852	73 5	A	0	0	0	0	0
SUPRAMOL SCI	0.817	71.4	A	0	0	0	0	0
ANN CARNEGIE MUS	0.789	69.4	A	0	0	0	0	0
J ROY SOC NEW ZEAL	0.736	67 3	A	0	0	0	0	0
CURR SCI INDIA	0.512	65 3	B	0	0	0	0	0
SCI ENG ETHICS	0.470	63.3	B	0	0	0	0	0
NEW SCI	0.464	61.2	B	0	0	0	0	0
P JPN ACAD B PHYS	0.443	59.2	B	0	0	0	0	0
S AFR J SCI	0 414	57.1	B	0	0	0	0	0
CHINESE SCI BULL	0.414	55.1	B	0	0	0	0	0
T ROY SOC SOUTH AUST	0.405	53.1	B	0	0	0	0	0
INTERCIENCIA	0.366	51.0	B	0	0	0	0	0
TECHNOL ANAL STRATEG	0.356	49.0	B	0	0	0	0	0
SCIENTIST	0.347	46.9	B	0	0	0	0	0
SCI CHINA SER A	0.309	44.9	B	0	0	0	0	0
ISSUES SCI TECHNOL	0 296	42.9	B	0	0	0	0	0
ARCH SCI	0.286	40.8	B	0	0	0	0	0
OHIO J SCI	0.273	38 8	B	0	0	0	0	0
PROG NAT SCI	0.249	36.7	B	0	0	0	0	0
J HOPKINS APL TECH D	0.232	34.7	B	0	0	0	0	0
J SCI IND RES INDIA	0.208	32.7	C	0	0	0	0	0
ENDEAVOUR	0.189	30.6	C	0	0	0	0	0
TECHNOL REV	0.173	28.6	C	0	0	0	0	0
TEX J SCI	0.157	26.5	C	0	0	0	0	0
RECHERCHE	0.092	24.5	C	0	0	0	0	0
IRAN J SCI TECHNOL	0.090	22.4	C	0	0	0	0	0
KUWAIT J SCI ENG	0.073	20.4	C	0	0	0	0	0
J ENVIRON LAW	0.069	18.4	C	0	0	0	0	0
DEFENCE SCI J	0.060	16.3	C	0	0	0	0	0
ARAB J SCI ENG	0.060	14.3	C	0	0	0	0	0
NATL ACAD SCI LETT	0.059	12.2	C	0	0	0	0	0
INTERDISCIPL SCI REV	0.058	10.2	C	0	0	0	0	0
T ROY SOC S AFR	0.049	8.2	C	0	0	0	0	0
ARAB GULF J SCI RES	0.042	6.1	C	0	0	0	0	0
R&D MAG	0.033	4.1	C	0	0	0	0	0
DISCOV INNOVAT	0.023	2.0	C	0	0	0	0	0
Total				**134**	**25**	**24**	**53**	**236**

Biochemistry and Molecular Biology

Number of full papers (with impact factor) in Medline

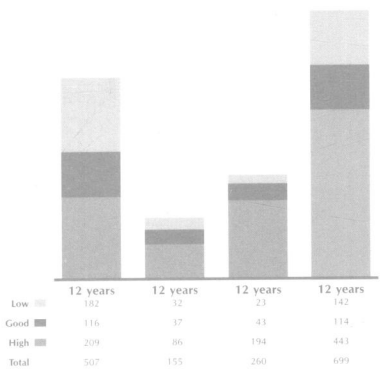
Three year groups

China Hong Kong Singapore Taiwan



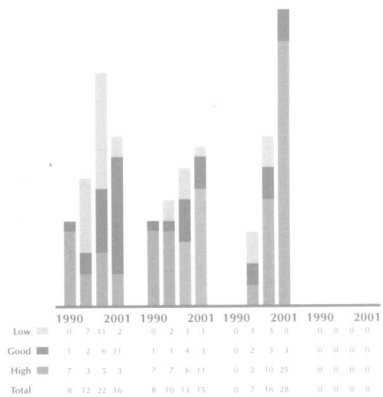
12 year period - 1990 to 2001

China Hong Kong Singapore Taiwan



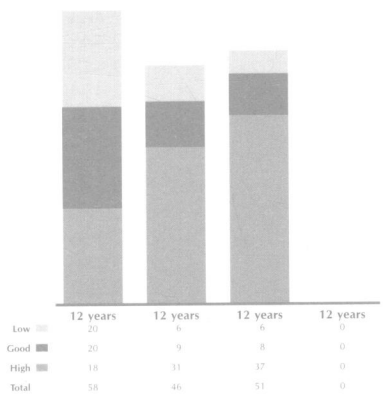
Three year groups

CUHK HKU Academia Other



12 year period - 1990 to 2001

CUHK HKU Academia Other



Biochemistry and Molecular Biology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Biochemistry and Molecular Biology JCR subject category. The Area Adjusted Impact Factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW). About 15 of the journals with the lowest IF with no publications have been omitted in the list.

Subject Category, Area **Biochemistry and Molecular Biology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ANNU REV BIOCHEM	43.429	100.0	A	0	0	0	0	0
CELL	32.440	99.7	A	0	0	0	0	0
NAT MED	27.905	99.4	A	1	0	0	0	1
ANNU REV CELL DEV BI	26.300	99.0	A	0	0	0	0	0
MOL CELL	18.195	98.7	A	0	0	1	0	1
ANNU REV BIOPH BIOM	16.194	98.4	A	0	0	0	0	0
ANNU REV PLANT PHYS	15.094	98.1	A	0	0	0	0	0
EMBO J	13.999	97.7	A	0	0	1	0	1
CURR OPIN GENET DEV	13.810	97.4	A	0	0	1	0	1
TRENDS BIOCHEM SCI	13.246	97.1	A	1	1	1	1	4
NAT CELL BIOL	11.939	96 8	A	0	0	1	0	1
BBA REV BIOMEMBRANES	11.645	96.5	A	0	0	0	0	0
NAT STRUCT BIOL	11.158	96.1	A	0	1	0	0	1
PLANT CELL	11.093	95.8	A	0	0	0	1	1
CURR OPIN STRUC BIOL	10.427	95.5	A	0	0	0	0	0
BBA REV CANCER	9.714	95.2	A	0	0	0	0	0
MOL CELL BIOL	9.666	94.8	A	0	0	0	0	0
FASEB J	9.249	94.5	A	0	0	0	0	0
HUM MOL GENET	9.048	94.2	A	0	0	0	1	1
MOL PSYCHIATR	8.927	93.9	A	1	0	0	0	1
MOL BIOL CELL	8.482	93.5	A	0	0	1	0	1
CURR BIOL	8.393	93.2	A	0	0	1	0	1
PROG NUCLEIC ACID RE	8.373	92.9	A	0	0	0	0	0
BIOESSAYS	7.906	92.6	A	0	0	1	0	1
CELL DEATH DIFFER	7.785	92.3	A	0	0	1	0	1
GENOME RES	7.615	91.9	A	0	0	1	0	1
J BIOL CHEM	7.368	91.6	A	39	30	118	165	352
CURR OPIN CHEM BIOL	7.044	91.3	A	0	0	0	0	0
STRUCT FOLD DES	6.681	91.0	A	0	1	0	0	1
ONCOGENE	6.490	90.6	A	0	0	0	1	1
BBA BIOENERGETICS	6.346	90.3	A	0	0	0	0	0
MOL MICROBIOL	6.339	90.0	A	0	0	0	1	1
ADV MICROB PHYSIOL	6.095	89.7	A	0	0	0	0	0
CYTOKINE GROWTH F R	6.049	89.4	A	0	0	0	0	0
TRENDS MICROBIOL	6.006	89.0	A	0	0	1	0	1
GENE THER	5.964	88.7	A	0	0	1	0	1
ADV PROTEIN CHEM	5.769	88.4	A	0	0	0	0	0
CHEM BIOL	5.717	88.1	A	0	0	0	1	1
FOLD DES	5.700	87.7	A	0	0	0	0	0
MOL PHARMACOL	5.678	87.4	A	0	0	0	1	1
CURR OPIN LIPIDOL	5.661	87.1	A	0	0	0	0	0
VITAM HORM	5.407	86.8	A	0	0	1	0	1
NUCLEIC ACIDS RES	5.396	86.5	A	20	10	13	29	72
REV PHYSIOL BIOCH P	5.389	86.1	A	0	0	0	0	0
J MOL BIOL	5.388	85.8	A	18	12	4	26	60
PROG LIPID RES	5.379	85.5	A	0	1	0	0	1
MOL BIOL EVOL	5.298	85.2	A	0	0	0	1	1
NAT PROD REP	5.295	84.8	A	0	0	0	0	0
CELL GROWTH DIFFER	5.235	84.5	A	0	0	0	1	1
MOL MED TODAY	5.193	84.2	A	0	0	0	0	0
ADV ENZYMOL RAMB	5.143	83.9	A	0	0	0	0	0
CRIT REV BIOCHEM MOL	5.083	83.5	A	0	0	0	0	0
RNA	5.046	83.2	A	0	0	0	0	0
PROG BIOPHYS MOL BIO	4.931	82.9	A	0	1	0	0	1
CURR MED CHEM	4.909	82.6	A	1	0	0	0	1
J NEUROCHEM	4.900	82.3	A	0	0	0	0	0
MET IONS BIOL SYST	4.385	81.9	A	0	0	0	0	0
AM J RESP CELL MOL	4.353	81.6	A	0	0	0	1	1
BIOCHEM J	4.280	81.3	A	48	8	24	115	195
BIOCHEMISTRY US	4.221	81.0	A	20	3	6	36	65

(continued)

Subject Category, Area **Biochemistry and Molecular Biology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
BBA MOL CELL BIOL L	4.160	80.6	A	0	0	0	0	0
FREE RADICAL BIO MED	4.116	80.3	A	1	0	0	0	1
DRUG DISCOV TODAY	4.105	80.0	A	0	0	0	0	0
J MOL EVOL	3.984	79.7	A	0	0	0	0	0
PROTEIN SCI	3.869	79.4	A	8	1	0	11	20
MOL MED	3.779	79.0	A	1	0	0	0	1
J LIPID RES	3.702	78.7	A	0	0	1	1	2
BRIT J PHARMACOL	3.689	78.4	A	0	0	0	0	0
CELL MOL LIFE SCI	3.668	78.1	A	0	0	0	1	1
MATRIX BIOL	3.664	77.7	A	1	0	0	0	1
J BIOMOL NMR	3.592	77.4	A	0	0	0	1	1
PROTEINS	3.576	77.1	A	1	0	0	0	1
MOL PLANT MICROBE IN	3.448	76.8	A	0	0	0	1	1
FEBS LETT	3.440	76.5	A	0	0	0	0	0
GLYCOBIOLOGY	3.419	76.1	A	0	0	0	6	6
ADV CARBOHYD CHEM BI	3.400	75.8	A	0	0	0	0	0
MOL PHYLOGENET EVOL	3.345	75.5	A	1	0	0	0	1
MOL MEMBR BIOL	3.339	75.2	A	0	0	1	0	1
CELL SIGNAL	3.294	74.8	A	0	0	0	0	0
J STRUCT BIOL	3.255	74.5	A	0	0	0	1	1
PLANT MOL BIOL	3.226	74.2	A	0	0	1	0	1
BIOCHEM SOC SYMP	3.181	73.9	A	0	0	0	0	0
EUR J HUM GENET	3.175	73.5	A	0	0	1	0	1
BBA MOL CELL RES	3.171	73.2	A	0	0	0	0	0
CHROMOSOMA	3.157	72.9	A	0	0	0	1	1
CURR PHARM DESIGN	3.110	72.6	A	0	0	0	0	0
MOL CARCINOGEN	3.104	72.3	A	1	0	0	0	1
ACTA CRYSTALLOGR D	3.067	71.9	A	1	0	0	0	1
BIOCHEM BIOPH RES CO	3.055	71.6	A	0	0	0	0	0
J BIOL INORG CHEM	3.045	71.3	A	1	0	0	0	1
CELL MOTIL CYTOSKEL	3.029	71.0	A	0	0	0	0	0
BIOL CHEM	2.978	70 6	A	11	1	1	0	13
ANTISENSE NUCLEIC A	2.976	70.3	A	0	0	0	1	1
BIOCHEM PHARMACOL	2.975	70.0	A	0	0	0	0	0
BBA LIPID LIPID MET	2.973	69 4	A	0	0	0	0	0
J MEMBRANE BIOL	2.973	69 7	A	0	1	0	0	1
AMYLOID	2.957	69.0	A	0	0	0	0	0
INT J BIOCHEM CELL B	2.910	68.7	A	1	0	0	0	1
EUR J BIOCHEM	2 852	68 4	A	30	15	11	36	92
CRIT REV ONCOGENESIS	2 852	68 1	A	1	0	0	0	1
YEAST	2 825	67 7	A	1	0	0	0	1
J CELL BIOCHEM	2 775	67 4	A	0	0	0	1	1
MOL ECOL	2 769	67.1	A	0	0	0	1	1
J COMPUT AID MOL DES	2 739	66 8	A	0	0	0	0	0
J INFLAMM	2 714	66 5	B	0	0	0	0	0
EXTREMOPHILES	2 688	66 1	B	0	0	0	0	0
NEUROCHEM INT	2 662	65 8	B	1	0	0	0	1
NEUROGENETICS	2 596	65 5	B	0	0	0	0	0
ARCH BIOCHEM BIOPHYS	2 576	65 2	B	0	0	0	0	0
INSECT MOL BIOL	2 574	64 8	B	0	0	0	1	1
BBA MOL BASIS DIS	2 557	64.5	B	0	0	0	0	0
BIOCONJUGATE CHEM	2 550	64.2	B	0	0	0	1	1
MOL REPROD DEV	2 535	63.9	B	0	0	1	0	1
CELL PHYSIOL BIOCHEM	2 519	63.5	B	1	0	0	0	1
FREE RADICAL RES	2.493	63.2	B	5	2	13	5	25
CYTOKINE	2 490	62.9	B	0	0	0	1	1
CELL ADHES COMMUN	2.485	62.6	B	0	0	0	0	0
MOL GEN GENET	2.462	62.3	B	0	0	0	0	0
PROTEIN ENG	2.442	61.9	B	1	0	0	0	1
MOL BREEDING	2.418	61.6	B	0	0	0	0	0
BIOPOLYMERS	2.405	61.3	B	0	0	0	1	1
EXP CLIN IMMUNOGENET	2.400	61.0	B	1	0	0	0	1
ANTIVIR CHEM CHEMOTH	2.386	60.6	B	1	0	0	0	1
MOL GENET METAB	2.360	60.3	B	0	1	0	0	1
METHOD ENZYMOL	2.340	60.0	B	5	5	3	4	17
CHEM PHYS LIPIDS	2.328	59.7	B	0	0	1	0	1
BIOCHIMIE	2.324	59.4	B	3	1	2	2	8
BBA BIOMEMBRANES	2.313	59.0	B	0	0	0	0	0
COLD SPRING HARB SYM	2.301	58.7	B	0	0	1	0	1
PHOTOCHEM PHOTOBIOL	2.278	58.4	B	1	0	0	0	1

(continued)

Subject Category, Area **Biochemistry and Molecular Biology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
BIOL SIGNAL RECEPT	2.278	58.1	B	1	0	0	0	1
ADV ENZYME REGUL	2.273	57.7	B	0	0	0	0	0
J STEROID BIOCHEM	2.245	57.4	B	1	0	0	0	1
MOL IMMUNOL	2.244	57.1	B	0	1	0	0	1
BBA GENE STRUCT EXPR	2.243	56.8	B	0	0	0	0	0
NITRIC OXIDE BIOL CH	2.225	56.5	B	0	0	1	0	1
NEW PHYTOL	2.149	56.1	B	0	0	0	0	0
GROWTH FACTORS	2.145	55.8	B	0	0	0	0	0
J CHEM NEUROANAT	2.141	55.5	B	0	0	0	0	0
MAMM GENOME	2.137	55.2	B	0	1	0	0	1
TRANSGENIC RES	2.132	54.8	B	0	0	0	1	1
J MUSCLE RES CELL M	2.117	54.5	B	0	0	0	1	1
J BIOCHEM TOKYO	2.116	54.2	B	23	0	1	43	67
CELL MOL NEUROBIOL	2.093	53.9	B	0	0	0	1	1
MOL CELL BIOCHEM	2.054	53.5	B	0	0	0	0	0
J INTERF CYTOK RES	2.024	53.2	B	0	0	0	1	1
RECEPTOR CHANNEL	2.019	52.9	B	0	0	1	0	1
ANAL BIOCHEM	1.976	52.6	B	0	0	0	0	0
XENOBIOTICA	1.968	52.3	B	0	1	0	0	1
ANTI CANCER DRUG DES	1.937	51.6	B	0	0	0	1	1
BIOCHEM CELL BIOL	1.937	51.9	B	0	1	0	0	1
INSECT BIOCHEM MOLEC	1.920	51.3	B	0	0	1	0	1
J RECEPT SIGNAL TR R	1.915	51.0	B	0	0	0	0	0
J COMPUT BIOL	1.900	50.6	B	0	1	0	0	1
MECH AGEING DEV	1.897	50.3	B	0	0	0	1	1
PEPTIDES	1.867	50.0	B	17	2	1	8	28
METHODS	1.867	49.7	B	0	0	1	0	1
NEUROCHEM RES	1.858	49.4	B	0	0	1	0	1
BBA GEN SUBJECTS	1.849	49.0	B	0	0	0	0	0
STEROIDS	1.831	48.7	B	0	0	0	0	0
DNA CELL BIOL	1.827	48.4	B	0	0	0	1	1
J BIOMOL STRUCT DYN	1.826	48.1	B	1	0	0	0	1
BIOORGAN MED CHEM	1.799	47.7	B	0	0	0	1	1
LIPIDS	1.769	47.4	B	0	0	1	0	1
J MOL NEUROSCI	1.765	47.1	B	0	0	1	0	1
GLYCOCONJUGATE J	1.757	46.8	B	5	0	0	0	5
BIOTECHNIQUES	1.756	46.5	B	7	11	10	18	46
MOL CELL PROBE	1.744	46.1	B	0	0	0	1	1
CLIN CHEM LAB MED	1.744	45.8	B	4	5	0	1	10
J ENZYM INHIB	1.733	45.5	B	3	0	0	1	4
THER DRUG MONIT	1.732	45.2	B	0	0	0	0	0
CHROMOSOME RES	1.725	44.8	B	1	0	0	0	1
CHEM BIOL INTERACT	1.707	44.5	B	0	0	0	0	0
EUR CYTOKINE NETW	1.693	44.2	B	1	0	0	0	1
BBA PROTEIN STRUCT M	1.687	43.9	B	0	0	0	0	0
DIAGN MOL PATHOL	1.679	43.5	B	0	0	0	1	1
J MOL RECOGNIT	1.614	43.2	B	1	0	0	0	1
CARBOHYD RES	1.606	42.9	B	0	0	1	0	1
ADV SEC MESS PHOSPH	1.591	42.6	B	1	0	0	0	1
BIOPHYS CHEM	1.578	42.3	B	0	0	0	0	0
PROTEIN EXPRES PURIF	1.569	41.9	B	0	0	1	0	1
BIOMETALS	1.568	41.6	B	0	0	1	0	1
INFLAMM RES	1.560	41.3	B	0	1	0	0	1
J PHOTOCH PHOTOBIO B	1.529	41.0	B	0	0	0	0	0
INT J BIOL MACROMOL	1.492	40.6	B	21	0	0	10	31
J PEPT SCI	1.471	40.3	B	0	1	0	0	1
J INORG BIOCHEM	1.460	40.0	B	0	0	0	0	0
CELL MOL BIOL	1.449	39.7	B	1	0	0	0	1
J MOL CATAL B ENZYM	1.448	39.4	B	0	0	0	0	0
J CHEM ECOL	1.441	39.0	B	0	0	0	0	0
J PEPT RES	1.439	38.7	B	9	3	0	8	20
J LIPOSOME RES	1.429	38.4	B	0	0	0	0	0
EXP MOL MED	1.411	38.1	B	0	0	0	0	0
AMINO ACIDS	1.408	37.7	B	0	0	0	0	0
J MOL GRAPH MODEL	1.407	37.4	B	0	0	0	0	0
FIBRINOLYSIS PROTEOL	1.354	37.1	B	0	0	0	0	0
PHYSIOL GENOMICS	1.353	36.8	B	0	0	0	0	0
BIOORG CHEM	1.328	36.5	B	0	0	0	0	0

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Subject Category Area **Biochemistry and Molecular Biology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
CLIN BIOCHEM	1 327	36 1	B	0	0	0	0	0
BIOMED CHROMATOGR	1 311	35 8	B	0	0	0	0	0
BIOCATAL BIOTRANSFOR	1 309	35 5	B	0	0	0	0	0
PLANT PHYSIOL BIOCH	1 292	35 2	B	0	0	0	0	0
PLANT SCI	1 259	34 8	B	0	0	0	0	0
COMP BIOCHEM PHYS C	1 249	34 5	B	0	0	0	0	0
FISH PHYSIOL BIOCHEM	1 240	34 2	B	0	0	0	0	0
PESTIC BIOCHEM PHYS	1 233	33 9	B	0	0	0	0	0
PROSTAG LEUKOTR ESS	1 226	33 5	B	0	0	0	0	0
BIOTECHNOL APPL BIOC	1 216	33 2	C	0	0	0	0	0
PHYTOCHEM ANALYSIS	1 206	32 9	C	0	0	0	0	0
MOL BIOL REP	1 200	32 6	C	2	1	0	1	4
INFLAMMATION	1 189	32 3	C	1	0	0	0	1
J MOL MODEL	1 183	31 9	C	0	0	0	0	0
ARCH INSECT BIOCHEM	1 159	31 6	C	0	0	0	1	1
J BIOCHEM MOL TOXIC	1 129	31 3	C	1	0	0	0	1
ANN CLIN BIOCHEM	1 113	31 0	C	0	0	0	0	0
ENANTIOMER	1 111	30 6	C	0	0	0	0	0
CAN J MICROBIOL	1 105	30 3	C	0	0	0	0	0
J NUTR BIOCHEM	1 083	30 0	C	0	0	0	0	0
ESSAYS BIOCHEM	1 077	29 7	C	0	0	0	0	0
GENES GENET SYST	1 074	29 4	C	1	0	0	0	1
BIOELECTROCH BIOENER	1 052	29 0	C	1	0	0	0	1
BIOCHEMISTRY MOSCOW+	1 050	28 7	C	12	0	0	0	12
CLIN CHIM ACTA	1 041	28 4	C	0	0	0	0	0
BIOSCI BIOTECH BIOCH	1 039	28 1	C	0	0	0	1	1
PROSTAG OTH LIPID M	1 034	27 7	C	0	0	0	0	0
J TRACE ELEM MED BIO	1 032	27 4	C	0	0	0	1	1
ADDICT BIOL	1 023	27 1	C	0	0	0	0	0
COMP BIOCHEM PHYS B	1 015	26 8	C	0	0	0	1	1
CELL BIOCHEM FUNCT	1 000	26 1	C	0	0	0	1	1
J NAT TOXINS	1 000	26 5	C	0	0	0	1	1
MEDIAT INFLAMM	0 990	25 8	C	1	0	0	0	1
BIOCHEM SOC T	0 975	25 5	C	0	0	0	1	1
MOL CELLS	0 968	25 2	C	0	1	0	0	1
J PHYSIOL BIOCHEM	0 958	24 8	C	0	0	0	0	0
J TRACE ELEM EXP MED	0 952	24 5	C	0	0	0	0	0
APOPTOSIS	0 949	24 2	C	1	0	0	0	1
J BIOCHEM BIOPH METH	0 926	23 9	C	0	0	0	0	0
COLLOID SURFACE B	0 888	23 5	C	0	0	0	0	0
BIOCHEM MOL BIOL INT	0 888	23 2	C	98	25	19	84	226
SOMAT CELL MOLEC GEN	0 884	22 9	C	0	0	0	0	0
COMP BIOCHEM PHYS A	0 883	22 6	C	0	1	0	0	1
BIOTHERAPY	0 870	22 3	C	0	0	0	0	0
J CARBOHYD CHEM	0 855	21 9	C	0	0	0	0	0
MOL BIOTECHNOL	0 847	21 6	C	0	0	1	0	1
APPL BIOCHEM BIOTECH	0 843	21 3	C	0	0	0	0	0
ARCH PHYSIOL BIOCHEM	0 841	21 0	C	1	0	0	0	1
DRUG NEWS PERSPECT	0 835	20 6	C	0	0	0	0	0
MAGNESIUM RES	0 825	20 3	C	0	0	0	0	0
BIOPHARM DRUG DISPOS	0 819	20 0	C	0	0	0	0	0
GROWTH HORM IGF RES	0 788	19 7	C	0	0	1	0	1
BIOL TRACE ELEM RES	0 786	19 4	C	0	0	0	0	0
ACTA CHEM SCAND	0 776	19 0	C	0	0	0	0	0
PROCESS BIOCHEM	0 774	18 7	C	0	0	0	0	0
ACTA BIOCHIM POL	0 749	18 4	C	0	0	0	0	0
J PROTEIN CHEM	0 745	18 1	C	56	2	1	47	106
J BIOCHEM MOL BIOL	0 742	17 7	C	0	0	0	0	0
REDOX REP	0 717	17 4	C	2	0	0	1	3
Z NATURFORSCH C	0 709	17 1	C	0	0	0	0	0
BIOCHEM GENET	0 694	16 8	C	0	0	0	0	0
CHEM SPEC BIOAVAILAB	0 690	16 5	C	0	0	0	0	0
BIOSCIENCE REP	0 678	16 1	C	0	0	0	0	0
J IMMUNOASSAY	0 676	15 8	C	0	1	0	0	1
NAT PROD LETT	0 662	15 5	C	0	0	0	0	0
TRACE ELEM ELECTROLY	0 653	15 2	C	0	0	0	0	0
PLANT MOL BIOL REP	0 653	14 8	C	0	0	0	0	0
J BIOLUM CHEMILUM	0 632	14 5	C	0	0	0	0	0

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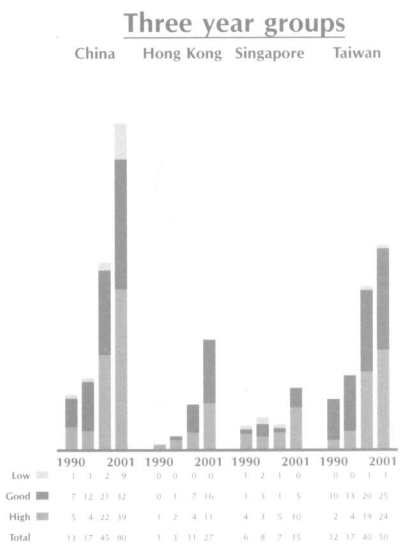
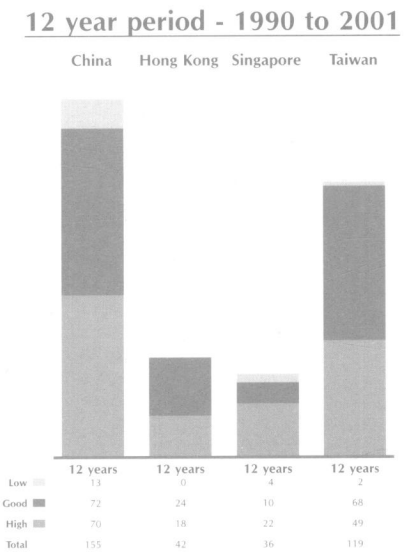
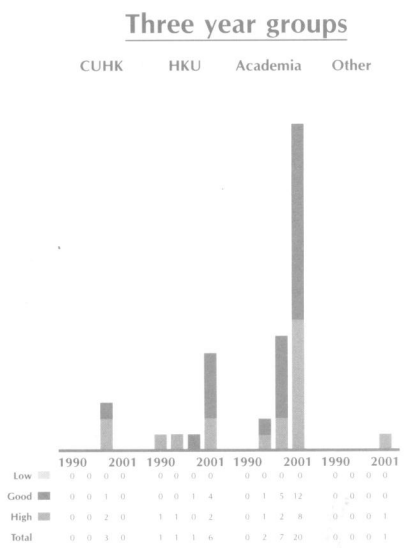
Subject Category Area **Biochemistry and Molecular Biology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
HEMOGLOBIN	0 631	14 2	C	0	0	0	0	0
ARCH PHARM RES	0 629	13 9	C	1	0	0	0	1
NUCLEOS NUCLEOT NUCL	0 622	13 5	C	0	0	0	0	0
BIOCHEM SYST ECOL	0 599	13 2	C	0	0	0	0	0
DRUG DELIV	0 596	12 9	C	1	0	0	0	1
TRENDS GLYCOSCI GLYC	0 553	12 6	C	0	0	0	0	0
J FOOD BIOCHEM	0 547	12 3	C	0	0	0	0	0
CURR TOP MEMBR	0 530	11 9	C	0	0	0	0	0
RES COMMUN MOL PATH	0 495	11 6	C	0	0	0	1	1
MOL BIOL+	0 477	11 3	C	0	0	0	0	0
GENET MOL BIOL	0 470	11 0	C	0	0	0	0	0
PROTEIN PEPTIDE LETT	0 468	10 6	C	0	0	0	0	0
PREP BIOCHEM BIOTECH	0 467	10 3	C	0	1	0	0	1
BIOGENIC AMINES	0 453	10 0	C	0	0	0	0	0
ACTA BOT SIN	0 434	9 7	C	0	0	0	0	0
IUBMB LIFE	0 418	9 4	C	0	0	1	0	1
LUMINESCENCE	0 326	6 5	C	3	0	0	0	3
INDIAN J BIOCHEM BIO	0 256	4 5	C	0	0	0	1	1
Total				**507**	**155**	**260**	**699**	**1621**

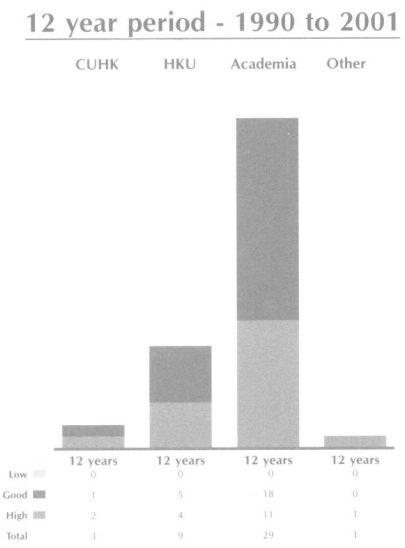
Biotechnology and Applied Microbiology

Number of full papers (with impact factor) in Medline









Biotechnology and Applied Microbiology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Biotechnology and Applied Microbiology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW). About 20 of the journals with the lowest IF with no publications have been omitted in the list.

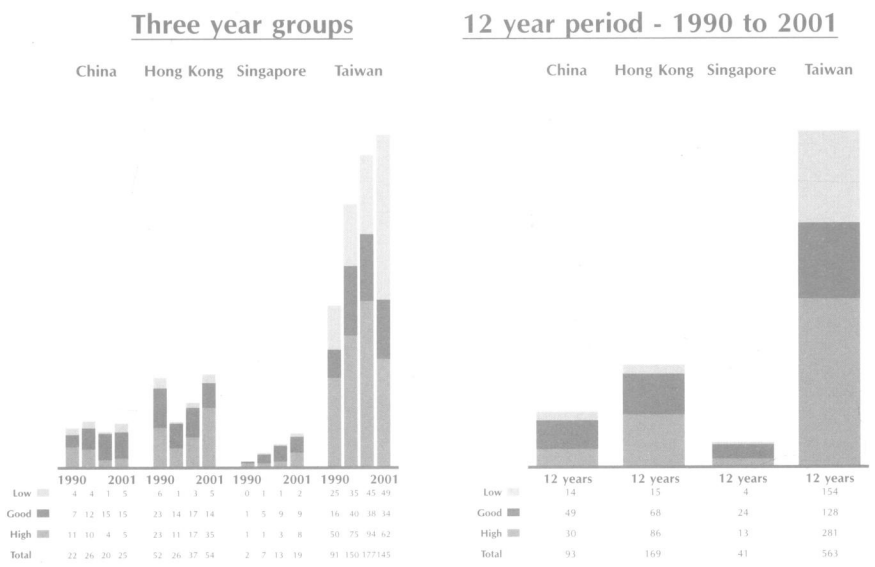
Subject Category, Area **Biotechnology and Applied Microbiology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
CURR OPIN GENET DEV	13.810	100 0	A	0	0	1	0	1
NAT BIOTECHNOL	11.542	99.3	A	1	1	2	3	7
GENOME RES	7.615	98.5	A	0	0	0	1	1
HUM GENE THER	6.796	97.8	A	1	0	0	0	1
GENE THER	5.964	97 0	A	0	0	1	0	1
TRENDS BIOTECHNOL	5.385	96.3	A	0	0	1	0	1
CURR OPIN BIOTECH	4.711	95.5	A	0	1	2	0	3
PHARMACOGENETICS	4.465	94.8	A	1	0	0	0	1
CRIT REV EUKAR GENE	4.383	94.0	A	0	0	0	0	0
CANCER GENE THER	4.151	93.3	A	1	0	0	0	1
MUTAT RES REV MUTAT	4.129	92.5	A	0	0	0	0	0
MUTAT RES DNA REPAIR	3 515	91.8	A	0	0	0	0	0
MOL PLANT MICROBE IN	3.448	91.0	A	1	0	0	0	1
GENOMICS	3.425	90.3	A	1	0	0	0	1
APPL ENVIRON MICROB	3.389	89 6	A	0	0	0	0	0
J GEN VIROL	3.126	88.8	A	0	0	0	0	0
J BIOMOL SCREEN	3.034	88.1	A	0	0	0	0	0
BIOSENS BIOELECTRON	3.014	87.3	A	19	6	4	2	31
STEM CELLS	2 989	86.6	A	0	1	0	0	1
ANTISENSE NUCLEIC A	2 976	85.8	A	0	0	1	0	1
YEAST	2.825	85.1	A	0	1	0	0	1
IMMUNOTECHNOLOGY	2 697	84.3	A	0	1	0	0	1
PROTEIN ENG	2.442	83.6	A	16	1	3	14	34
MOL BREEDING	2 418	82.8	A	0	0	0	0	0
CRIT REV BIOTECHNOL	2 333	82.1	A	0	0	0	0	0
MUTAT RES FUND MOL M	2 148	81.3	A	0	0	0	0	0
MAMM GENOME	2.137	80.6	A	0	1	0	0	1
TRANSGENIC RES	2 132	79.9	A	0	0	0	1	1
GENE EXPRESSION	2.100	79.1	A	0	0	0	1	1
BIOTECHNOL BIOENG	2.081	78.4	A	7	1	4	16	28
TISSUE ENG	2 073	77.6	A	0	0	1	0	1
SYST APPL MICROBIOL	2.060	76.9	A	1	0	0	0	1
MUTAT RES GENOMICS	1 952	76.1	A	0	0	0	0	0
J COMPUT BIOL	1 900	75.4	A	0	1	0	0	1
BIOTECHNOL PROGR	1.897	74.6	A	0	0	0	1	1
BIOFOULING	1 828	73.9	A	0	0	0	0	0
J FOOD PROTECT	1.820	73.1	A	0	0	0	1	1
MOL CELL PROBE	1.744	72.4	A	0	0	1	0	1
DIAGN MOL PATHOL	1 679	71.6	A	0	0	0	1	1
MOL MAR BIOL BIOTECH	1.625	70.9	A	0	0	0	1	1
GENOME	1 610	70.1	A	0	0	0	0	0
CYTOKINES CELL MOL T	1.582	69.4	A	0	0	0	1	1
PROTEIN EXPRES PURIF	1 569	68.7	A	21	3	1	5	30
J APPL MICROBIOL	1.511	67.9	A	0	0	0	1	1
MUTAT RES GEN TOX EN	1.506	67.2	A	0	0	0	0	0
J VIROL METHODS	1.505	66.4	B	0	0	0	0	0
APPL MICROBIOL BIOT	1.505	65.7	B	4	1	3	13	21
MOL DIAGN	1.456	64.9	B	0	0	0	0	0
GENET ANAL BIOMOL E	1.422	64.2	B	0	0	0	0	0
ENZYME MICROB TECH	1.411	63.4	B	1	1	1	10	13
J ANTIBIOT	1.347	62.7	B	0	0	0	0	0
J BIOTECHNOL	1.311	61.9	B	14	7	1	9	31
BIOCATAL BIOTRANSFOR	1.309	61.2	B	0	0	0	0	0
BIOL CONTROL	1.299	60.4	B	0	0	0	0	0
INT J BIOL MARKER	1.292	59.7	B	1	0	0	0	1
FOOD MICROBIOL	1.272	59.0	B	0	0	0	0	0
BIOTECHNOL GENET ENG	1.257	58.2	B	0	0	0	0	0
BIOTECHNOL APPL BIOC	1.216	57.5	B	17	0	2	22	41
LETT APPL MICROBIOL	1.154	56.7	B	0	0	0	1	1
BIODEGRADATION	1.109	56.0	B	0	0	1	0	1

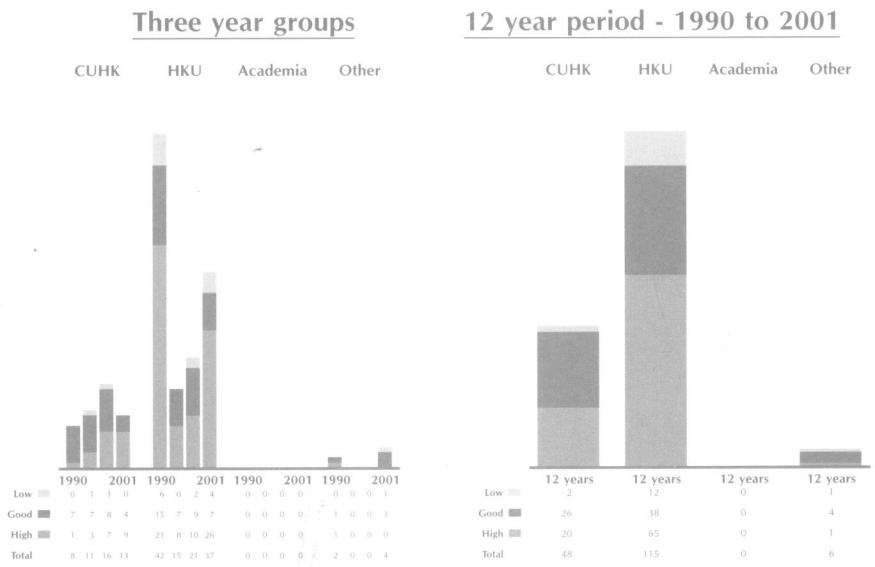
(continued)

Subject Category Area **Biotechnology and Applied Microbiology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
CAN J MICROBIOL	1 105	55 2	B	0	0	0	0	0
J MICROBIOL BIOTECHN	1 083	54 5	B	0	0	0	0	0
MAR BIOTECHNOL	1 068	53 7	B	0	0	0	0	0
J IND MICROBIOL BIOT	1 052	53 0	B	0	1	0	1	2
BIOSCI BIOTECH BIOCH	1 039	52 2	B	0	0	0	1	1
BIOMARKERS	0 987	51 5	B	0	0	0	0	0
J FERMENT BIOENG	0 979	50 7	B	0	0	0	0	0
BIOTECHNOL LETT	0 967	50 0	B	0	0	0	0	0
CYTOTECHNOLOGY	0 925	49 3	B	0	0	0	1	1
FOOD CONTROL	0 903	48 5	B	0	0	0	0	0
MOL THER	0 897	47 8	B	0	0	1	0	1
BIOTECHNOL ADV	0 893	47 0	B	0	0	0	0	0
J CHEM TECHNOL BIOT	0 883	46 3	B	1	0	0	0	1
J AM SOC BREW CHEM	0 870	45 5	B	0	0	0	0	0
MOL BIOTECHNOL	0 847	44 8	B	5	3	0	0	8
APPL BIOCHEM BIOTECH	0 843	44 0	B	26	11	1	8	46
BIOLOGICALS	0 789	41 8	B	1	0	0	0	1
FOLIA MICROBIOL	0 752	38 8	B	0	0	0	1	1
ANIM BIOTECHNOL	0 725	37 3	B	2	0	0	0	2
BIORESOURCE TECHNOL	0 700	35 8	B	0	0	0	1	1
GENET COUNSEL	0 636	32 8	C	0	0	0	1	1
BIOTECH HISTOCHEM	0 605	30 6	C	0	0	1	0	1
HYBRIDOMA	0 587	29 9	C	1	0	0	0	1
DNA SEQUENCE	0 542	27 6	C	0	0	1	0	1
PREP BIOCHEM BIOTECH	0 467	23 9	C	10	0	0	1	11
BIOMOL ENG	0 278	15 7	C	1	0	0	0	1
AUSTRALAS BIOTECHNOL	0 062	4 5	C	1	0	2	0	3
Total				**155**	**42**	**36**	**119**	**352**

Cardiac and Cardiovascular Systems

Number of full papers (with impact factor) in Medline





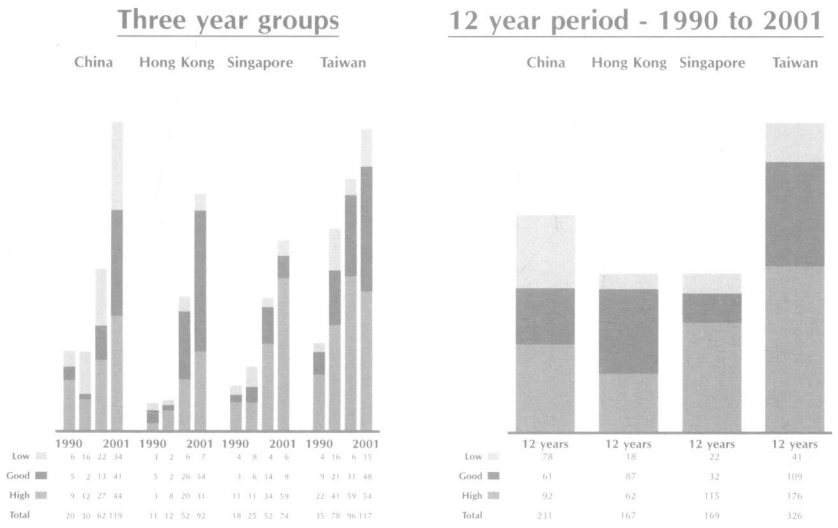
Cardiac and Cardiovascular Systems subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

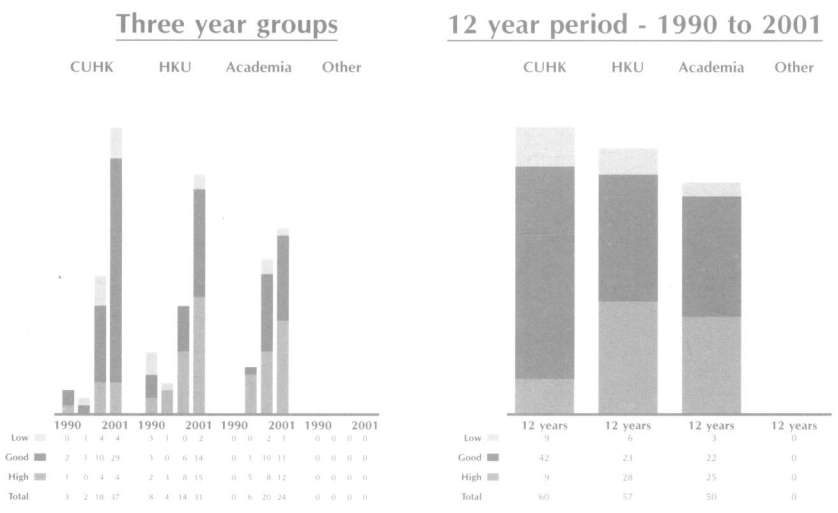
Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Cardiac and Cardiovascular Systems JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Cardiac and Cardiovascular Systems**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
CIRCULATION	10.893	100.0	A	0	0	0	0	0
CIRC RES	9.193	98.4	A	0	0	0	1	1
J AM COLL CARDIOL	7.082	96.8	A	2	13	1	37	53
EUR HEART J	3.840	95.2	A	0	7	1	10	18
CARDIOVASC RES	3.783	93.7	A	3	6	1	12	22
J MOL CELL CARDIOL	3.383	92.1	A	0	0	0	0	0
AM J PHYSIOL HEART C	3.243	90.5	A	0	0	0	1	1
J THORAC CARDIOV SUR	3.057	88.9	A	0	0	0	0	0
TRENDS CARDIOVAS MED	2.879	87.3	A	0	0	0	0	0
J CARDIOVASC ELECTR	2.789	85.7	A	0	6	0	37	43
AM J CARDIOL	2.762	84.1	A	7	26	6	98	137
J HEART LUNG TRANSPL	2.526	82.5	A	0	1	0	0	1
CHEST	2.451	81.0	A	0	0	0	0	0
AM HEART J	2.419	79.4	A	16	21	3	71	111
J CARDIOVASC PHARM	2.396	77.8	A	0	0	0	0	0
PROG CARDIOVASC DIS	2.375	76.2	A	0	0	0	0	0
J CARDIOV MAGN RESON	2.304	74.6	A	0	0	0	0	0
HEART	2.144	73.0	A	0	6	0	8	14
J NUCL CARDIOL	1.854	71.4	A	1	0	0	0	1
ANN THORAC SURG	1.828	69.8	A	0	0	0	0	0
J AM SOC ECHOCARDIOG	1.636	68.3	A	1	0	1	6	8
PACE	1.600	66.7	A	0	0	0	0	0
CURR OPIN CARDIOL	1 515	65.1	B	0	1	1	0	2
CURR PROB CARDIOLOGY	1.500	63.5	B	0	0	0	0	0
BASIC RES CARDIOL	1.490	61.9	B	0	0	0	1	1
CATHETER CARDIO INTE	1.321	60.3	B	0	5	7	11	23
RESP MED	1 254	58.7	B	0	0	0	0	0
CAN J CARDIOL	1.237	57.1	B	1	1	1	3	6
EUR J CARDIO THORAC	1.187	55.6	B	0	0	1	0	1
EUR J HEART FAIL	1.151	54.0	B	0	1	0	0	1
J HEART VALVE DIS	1.119	52.4	B	3	1	4	1	9
CLIN CARDIOL	1.079	50.8	B	4	20	2	6	32
CARDIOVASC INTER RAD	1.029	49.2	B	0	0	0	0	0
INT J CARDIOL	0.973	47.6	B	39	38	8	105	190
HERZ	0.965	46.0	B	1	0	0	0	1
NUTR METAB CARDIOVAS	0.959	44.4	B	0	0	0	0	0
CARDIOVASC DRUG THER	0.951	42.9	B	0	0	0	0	0
J CARDIOTHOR VASC AN	0.917	41.3	B	0	1	0	0	1
CARDIOVASC DRUG REV	0.881	39.7	B	0	0	0	0	0
Z KARDIOL	0.874	38.1	B	0	0	0	0	0
PEDIATR CARDIOL	0.863	36.5	B	0	0	0	1	1
CARDIOVASC SURG	0.862	34.9	B	1	0	0	0	1
THORAC CARDIOV SURG	0.850	33.3	B	0	0	0	0	0
J INTERV CARD ELECTR	0.782	31.7	C	2	4	0	4	10
REV ESP CARDIOL	0.700	30.2	C	0	0	0	0	0
CARDIOLOGY	0.678	28.6	C	0	7	0	48	55
HEART LUNG	0.620	27.0	C	0	0	0	0	0
CARDIOL YOUNG	0.615	25.4	C	0	1	0	0	1
HEART VESSELS	0.595	23.8	C	0	1	0	0	1
J ELECTROCARDIOL	0.586	22.2	C	1	0	3	7	11
J CARDIOVASC SURG	0.573	20.6	C	0	0	0	0	0
INT J CARDIAC IMAG	0.541	19.0	C	0	0	0	1	1
TEX HEART I J	0.539	17.5	C	3	0	1	7	11
SCAND CARDIOVASC J	0.508	15.9	C	0	0	0	5	5
ACTA CARDIOL	0.450	14.3	C	4	0	0	3	7
EUROPACE	0.440	12.7	C	0	1	0	2	3
ARCH MAL COEUR VAISS	0.403	11.1	C	0	0	0	0	0
ECHOCARDIOGR J CARD	0.386	9.5	C	1	0	0	11	12
CARDIOVASC PATHOL	0.347	7.9	C	0	0	0	1	1
JPN HEART J	0.323	6.3	C	3	1	0	64	68
J CARDIAC SURG	0.224	4.8	C	0	0	0	1	1
KARDIOLOGIYA	0.205	3.2	C	0	0	0	0	0
Total				**93**	**169**	**41**	**563**	**866**

Cell Biology

Number of full papers (with impact factor) in Medline





Cell Biology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Cell Biology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Cell Biology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
CELL	32.440	100.0	A	0	0	3	1	4
NAT MED	27.905	99.3	A	0	0	0	1	1
ANNU REV CELL DEV BI	26.300	98.6	A	0	0	0	0	0
CURR OPIN CELL BIOL	22.754	98.0	A	0	0	2	0	2
TRENDS CELL BIOL	18.815	97.3	A	0	0	1	0	1
MOL CELL	18.195	96.6	A	0	0	1	0	1
EMBO J	13.999	95.9	A	2	1	11	3	17
J CELL BIOL	13.955	95.2	A	2	4	6	0	12
CURR OPIN GENET DEV	13.810	94.6	A	0	0	1	0	1
NAT CELL BIOL	11.939	93.9	A	0	0	2	0	2
NAT STRUCT BIOL	11.158	93 2	A	0	1	0	0	1
PLANT CELL	11.093	92.5	A	0	0	0	1	1
CURR OPIN STRUC BIOL	10.427	91.8	A	0	0	0	0	0
MOL CELL BIOL	9.666	91.2	A	3	2	33	27	65
FASEB J	9.249	90.5	A	0	3	3	5	11
MOL BIOL CELL	8.482	89.8	A	0	1	4	0	5
CELL DEATH DIFFER	7.785	89.1	A	0	0	1	0	1
INT REV CYTOL	7.637	88.4	A	0	1	0	0	1
STRUCT FOLD DES	6.681	87.8	A	0	0	0	1	1
ONCOGENE	6.490	87.1	A	1	0	0	0	1
CYTOKINE GROWTH F R	6.049	86.4	A	0	0	0	0	0
J CELL SCI	5.996	85.7	A	1	3	13	5	22
CELL GROWTH DIFFER	5 235	85 0	A	0	0	0	3	3
MOL MED TODAY	5.193	84.4	A	0	0	0	0	0
SEMIN CELL DEV BIOL	4.978	83.7	A	0	0	0	0	0
GENES CELLS	4.885	83.0	A	0	0	0	0	0
AM J RESP CELL MOL	4.353	82 3	A	1	0	0	0	1
J LEUKOCYTE BIOL	4.342	81.6	A	0	0	0	1	1
BBA MOL CELL BIOL L	4.160	81 0	A	0	0	0	0	0
AM J PHYSIOL CELL PH	4.086	80.3	A	0	0	0	1	1
EXP CELL RES	3.860	79.6	A	0	0	1	0	1
MOL MED	3.779	78.9	A	1	0	0	0	1
CELL CALCIUM	3.711	78.2	A	1	1	0	6	8
CELL MOL LIFE SCI	3.668	77 6	A	3	0	1	2	6
MATRIX BIOL	3.664	76 9	A	1	0	0	0	1
J CELL PHYSIOL	3.474	76 2	A	0	0	0	0	0
FEBS LETT	3.440	75 5	A	61	30	27	77	195
CELL STRESS CHAPERON	3.436	74 8	A	1	1	0	1	3
CELL MICROBIOL	3.409	74 1	A	0	0	0	0	0
J MOL CELL CARDIOL	3.383	73.5	A	4	11	0	10	25
J BIOENERG BIOMEMBR	3 355	72.8	A	0	0	0	1	1
MOL MEMBR BIOL	3.339	72.1	A	1	0	0	0	1
CELL SIGNAL	3.294	71.4	A	3	1	4	25	33
J STRUCT BIOL	3.255	70.7	A	4	0	1	3	8
CELL MOTIL CYTOSKEL	3.029	70.1	A	1	1	0	1	3
STEM CELLS	2.989	69.4	A	1	0	0	0	1
DEV GENES EVOL	2.982	68.7	A	0	0	0	0	0
J MEMBRANE BIOL	2.973	68 0	A	0	1	0	0	1
CELL TRANSPLANT	2.959	67.3	A	0	0	0	1	1
ADV ANAT EMBRYOL CEL	2.933	66.7	A	0	0	0	0	0
INT J BIOCHEM CELL B	2.910	66.0	B	12	13	2	1	28
CRIT REV ONCOGENESIS	2.852	65.3	B	1	0	0	0	1
EUR J CELL BIOL	2.801	64.6	B	0	0	8	5	13
J CELL BIOCHEM	2.775	63.9	B	12	17	0	76	105
J INFLAMM	2.714	63.3	B	0	0	0	0	0
TISSUE ANTIGENS	2.612	62.6	B	0	0	0	0	0
J HISTOCHEM CYTOCHEM	2.610	61.9	B	1	1	1	5	8
CYTOMETRY	2.557	61.2	B	1	2	2	1	6
HISTOPATHOLOGY	2.554	60.5	B	0	0	0	0	0
MOL REPROD DEV	2.535	59.9	B	0	0	1	0	1
CELL PHYSIOL BIOCHEM	2.519	59.2	B	1	0	0	0	1
CYTOKINE	2.490	58.5	B	1	0	0	0	1

(continued)

Subject Category, Area **Cell Biology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
CELL ADHES COMMUN	2.485	57.8	B	0	0	0	0	0
METHOD CELL BIOL	2.395	57.1	B	0	0	1	0	1
MOL CELL ENDOCRINOL	2.369	56.5	B	0	0	0	0	0
DIFFERENTIATION	2.353	55.8	B	0	0	0	0	0
PLANT CELL PHYSIOL	2.311	55.1	B	0	0	0	1	1
BIOL SIGNAL RECEPT	2.278	54.4	B	8	14	0	0	22
NITRIC OXIDE BIOL CH	2.225	53.7	B	0	0	1	0	1
CELL IMMUNOL	2.206	53.1	B	0	1	0	0	1
IMMUNOL CELL BIOL	2.201	52.4	B	0	0	0	0	0
CELL TISSUE RES	2.192	51.7	B	4	9	7	6	26
HISTOCHEM CELL BIOL	2.157	51.0	B	0	1	0	0	1
GROWTH FACTORS	2.145	50.3	B	0	0	0	0	0
J MUSCLE RES CELL M	2.117	49.7	B	0	0	0	1	1
CELL MOL NEUROBIOL	2.093	49.0	B	0	0	1	0	1
TISSUE ENG	2.073	48.3	B	0	0	1	0	1
MOL CELL BIOCHEM	2.054	47.6	B	13	15	1	8	37
J INTERF CYTOK RES	2.024	46.9	B	0	0	0	1	1
RECEPTOR CHANNEL	2.019	46.3	B	0	0	1	0	1
BIOCHEM CELL BIOL	1.937	45.6	B	2	9	0	0	11
J RECENT SIGNAL TR R	1.915	44.9	B	0	0	0	0	0
MECH AGEING DEV	1.897	44.2	B	1	0	0	0	1
PIGM CELL RES	1.866	43.5	B	0	2	0	0	2
DNA CELL BIOL	1.827	42.9	B	0	0	0	1	1
MOL CELL PROBE	1.744	42.2	B	0	0	1	1	2
DEV GROWTH DIFFER	1.730	41.5	B	0	1	0	0	1
EUR CYTOKINE NETW	1.693	40.8	B	1	0	0	0	1
BIOL CELL	1.670	40.1	B	1	0	0	0	1
CYTOKINES CELL MOL T	1.582	39.5	B	0	0	0	1	1
ENDOTHELIUM NEW YORK	1.579	38.8	B	1	0	0	0	1
INFLAMM RES	1.560	38.1	B	0	1	0	0	1
HISTOL HISTOPATHOL	1.553	37.4	B	0	0	0	0	0
PROG HISTOCHEM CYTO	1.500	36.7	B	0	0	0	0	0
CELL MOL BIOL	1.449	36.1	B	1	1	3	0	5
CYTOGENET CELL GENET	1.409	35.4	B	0	0	0	1	1
ACTA CYTOL	1.391	34.7	B	0	0	0	0	0
ZYGOTE	1.365	34.0	B	0	0	1	0	1
PHYSIOL GENOMICS	1.353	33.3	B	0	0	0	0	0
TRAFFIC	1.340	32.7	C	0	0	1	0	1
PROTOPLASMA	1.333	32.0	C	0	0	0	0	0
PATHOBIOLOGY	1.252	31.3	C	0	0	0	1	1
J NEUROCYTOL	1.231	30.6	C	0	0	0	0	0
PROSTAG LEUKOTR ESS	1.226	29.9	C	0	0	0	0	0
ARCH HISTOL CYTOL	1.202	29.3	C	1	0	9	6	16
INFLAMMATION	1.189	28.6	C	1	0	0	0	1
CELL BIOL TOXICOL	1.107	27.9	C	0	0	0	0	0
HISTOCHEM J	1.078	27.2	C	2	5	0	1	8
IN VITRO CELL DEV AN	1.059	26.5	C	0	0	0	1	1
EUR J HISTOCHEM	1.039	25.9	C	0	0	0	0	0
PROSTAG OTH LIPID M	1.034	25.2	C	3	2	0	4	9
INT J TISSUE REACT	1.030	24.5	C	2	0	0	2	4
CELL BIOCHEM FUNCT	1.000	23.1	C	3	0	0	0	3
CYTOTHERAPY	1.000	23.8	C	0	0	0	0	0
MEDIAT INFLAMM	0.990	22.4	C	1	0	0	0	1
MOL CELLS	0.968	21.8	C	0	1	0	0	1
PLATELETS	0.965	21.1	C	0	0	0	0	0
CELL STRUCT FUNCT	0.960	20.4	C	0	1	0	0	1
CELL PROLIFERAT	0.955	19.7	C	0	0	0	0	0
CONNECT TISSUE RES	0.952	19.0	C	1	0	0	0	1
APOPTOSIS	0.949	18.4	C	0	1	2	2	5
ACTA HISTOCHEM	0.943	17.7	C	5	0	0	0	5
CYTOTECHNOLOGY	0.925	17.0	C	3	0	0	0	3
CELLS TISSUES ORGANS	0.896	16.3	C	0	0	0	0	0
SOMAT CELL MOLEC GEN	0.884	15.6	C	0	1	0	0	1
ACTA HISTOCHEM CYTOC	0.879	15.0	C	0	0	0	0	0
ANAL QUANT CYTOL	0.877	14.3	C	16	1	0	6	23
BIOTHERAPY	0.870	13.6	C	0	0	0	0	0
TISSUE CELL	0.864	12.9	C	1	0	2	2	5
ANAL CELL PATHOL	0.838	12.2	C	1	0	0	0	1

(continued)

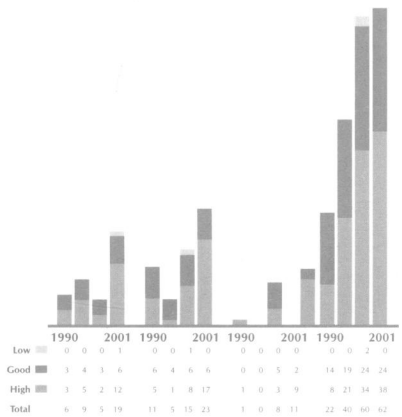
Subject Category, Area **Cell Biology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
GROWTH HORM IGF RES	0.788	11.6	C	0	0	1	0	1
CYTOPATHOLOGY	0.760	10.9	C	0	1	0	0	1
IN VITRO CELL DEV PL	0.750	10.2	C	0	0	0	0	0
BIOSCIENCE REP	0.678	9.5	C	9	0	0	1	10
CURR TOP CELL REGUL	0.636	8.8	C	0	0	0	0	0
BIOTECH HISTOCHEM	0.605	8.2	C	3	0	2	0	5
CELL BIOL INT	0.592	7.5	C	14	5	2	6	27
IUBMB LIFE	0.418	6.8	C	11	0	1	2	14
NAT IMMUN	0.400	6.1	C	0	0	0	0	0
FOLIA HISTOCHEM CYTO	0.388	5.4	C	0	0	0	0	0
BIOCELL	0.361	4.8	C	0	0	0	1	1
BIOL MEMBRANY	0.345	4.1	C	0	0	0	0	0
EMBO REP	0.323	3.4	C	0	0	0	0	0
CYTOBIOS	0.308	2.0	C	1	0	2	6	9
J HISTOTECHNOL	0.308	2.7	C	0	0	0	0	0
ENDOCYT CELL RES	0.200	1.4	C	0	0	0	0	0
NAT REV MOL CELL BIO	0.056	0.7	C	0	0	0	0	0
Total				**231**	**167**	**169**	**326**	**893**

Clinical Neurology

Number of full papers (with impact factor) in Medline

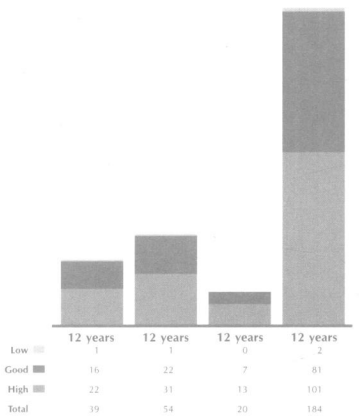
Three year groups

China Hong Kong Singapore Taiwan



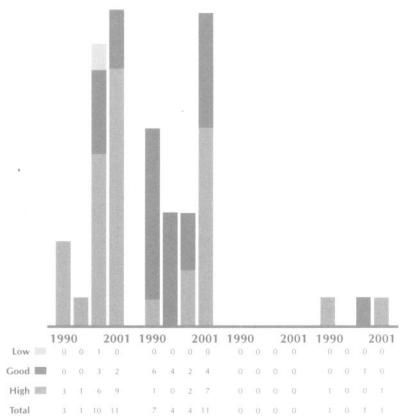
12 year period - 1990 to 2001

China Hong Kong Singapore Taiwan



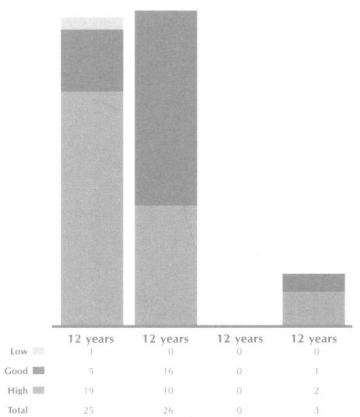
Three year groups

CUHK HKU Academia Other



12 year period - 1990 to 2001

CUHK HKU Academia Other



Clinical Neurology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Clinical Neurology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW). About 20 of the journals with the lowest IF with no publications have been omitted in the list.

Subject Category, Area **Clinical Neurology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ANN NEUROL	8.480	100.0	A	1	0	0	0	1
BRAIN	7.303	99.3	A	0	0	0	0	0
BRAIN PATHOL	6.435	98.5	A	0	0	0	0	0
SCHIZOPHRENIA BULL	6.085	97 8	A	0	0	0	1	1
STROKE	6 008	97.1	A	0	0	0	0	0
J NEUROPATH EXP NEUR	5.565	96.4	A	0	0	0	1	1
J CLIN PSYCHOPHARM	5 052	95.6	A	0	0	0	1	1
NEUROLOGY	4.781	94.9	A	4	11	2	33	50
ARCH NEUROL CHICAGO	4.393	94.2	A	4	3	1	5	13
PAIN FORUM	4.320	93.4	A	0	0	0	0	0
PAIN	3 853	92.7	A	0	0	0	0	0
EPILEPSIA	3.787	92.0	A	2	1	2	15	20
MOVEMENT DISORD	3.655	91.2	A	2	7	1	16	26
AMYOTROPH LATERAL SC	3.571	90.5	A	0	0	0	0	0
NEUROSCI BIOBEHAV R	3 382	89.8	A	0	0	1	0	1
ELECTROEN CLIN NEURO	3 327	89.1	A	0	0	0	0	0
CURR OPIN NEUROL	3.176	88.3	A	0	0	0	0	0
SLEEP	3 168	87.6	A	3	4	0	4	11
CEREBROVASC DIS	2 950	86.9	A	0	0	1	0	1
J NEUROSURG	2 918	86.1	A	0	0	0	0	0
NEUROSURGERY	2 899	85.4	A	0	0	0	0	0
J NEUROTRAUM	2 877	84 7	A	0	0	0	1	1
EPILEPSY RES	2 866	83.9	A	1	0	1	2	4
J NEUROL NEUROSUR PS	2.846	83 2	A	0	0	0	0	0
PSYCHOPHARMACOL BULL	2 809	82.5	A	0	0	0	0	0
HEADACHE	2.699	81.8	A	3	1	3	3	10
NEUROGENETICS	2 596	81 0	A	0	0	0	0	0
NEUROPATH APPL NEURO	2.523	80 3	A	0	1	0	0	1
ACTA NEUROPATHOL	2 446	79 6	A	0	0	0	1	1
CEPHALALGIA	2 391	78.8	A	1	0	0	0	1
J INT NEUROPSYCH SOC	2 376	78 1	A	0	1	0	0	1
J PSYCHOPHARMACOL	2.328	77 4	A	0	0	0	0	0
J CLIN NEUROPHYSIOL	2.173	76.6	A	0	0	1	0	1
J NEUROPSYCH CLIN N	2 140	75 9	A	1	0	0	0	1
AM J NEURORADIOL	2 126	75.2	A	0	0	0	0	0
NEUROGASTROENT MOTIL	2 081	74 5	A	0	0	0	1	1
J NEUROL	2 061	73 7	A	0	1	0	12	13
EUR NEUROPSYCHOPHARM	2 045	73 0	A	0	0	0	1	1
CLIN NEUROPHARMACOL	1 943	72 3	A	0	0	0	1	1
J AFFECT DISORDERS	1 938	71 5	A	0	0	0	0	0
PSYCHIAT RES NEUROIM	1 919	70 8	A	0	0	0	0	0
NEUROSCIENTIST	1 918	70 1	A	0	0	0	0	0
CLIN J PAIN	1 900	69.3	A	0	1	0	2	3
NEUROCASE	1.871	68 6	A	0	0	0	0	0
SPINE	1 843	67 9	A	0	0	0	0	0
J PAIN SYMPTOM MANAG	1.837	67.2	A	0	0	0	1	1
ALZ DIS ASSOC DIS	1.837	66.4	B	0	0	0	1	1
MULT SCLER	1.807	65.7	B	0	0	0	0	0
J NEURAL TRANSM	1.785	65.0	B	0	0	0	0	0
DEV MED CHILD NEUROL	1.780	64.2	B	1	0	0	0	1
DEMENT GERIATR COGN	1.763	63.5	B	0	0	0	1	1
CLIN NEUROPHYSIOL	1.672	62.8	B	1	0	0	0	1
NEUROEPIDEMIOLOGY	1.654	62.0	B	0	0	0	0	0
SEMIN NEUROL	1.635	61.3	B	0	0	0	0	0
J NERV MENT DIS	1.626	60.6	B	0	0	0	0	0
NEUROPEDIATRICS	1.597	59.9	B	0	0	1	0	1
BRAIN TOPOGR	1.596	59.1	B	1	0	0	0	1
J NEURO ONCOL	1.581	58.4	B	0	0	0	0	0
CAN J NEUROL SCI	1.504	57.7	B	2	2	0	7	11
EUR ARCH PSY CLIN N	1.385	56.9	B	0	1	0	0	1

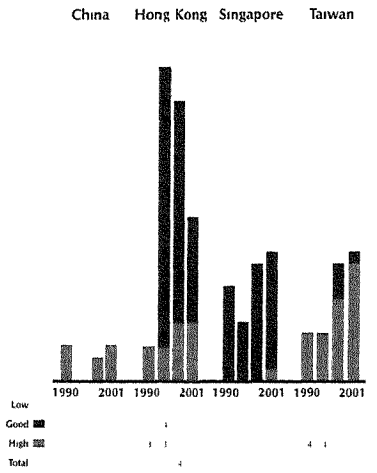
(continued)

Subject Category, Area **Clinical Neurology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
INT J NEUROPSYCHOPH	1.323	56.2	B	0	0	0	0	0
ACTA NEUROL SCAND	1.304	55.5	B	3	6	1	42	52
NEUROSURG CLIN N AM	1.265	54.7	B	0	0	0	0	0
NEUROMODULATION	1.216	54.0	B	0	0	0	0	0
BRAIN DEV JPN	1.155	53.3	B	4	5	1	17	27
J CHILD NEUROL	1.134	52.6	B	0	1	0	0	1
SEIZURE EUR J EPILEP	1.127	51.8	B	0	1	0	0	1
J INTELL DISABIL RES	1.123	51.1	B	0	1	0	0	1
HUM PSYCHOPHARM CLIN	1.103	50.4	B	0	0	0	0	0
PROG NEURO PSYCHOPH	1.078	49.6	B	0	0	0	1	1
J CLIN EXP NEUROPSYC	1.067	48.9	B	0	0	0	0	0
J PERIPHER NERV SYST	1.038	48.2	B	0	0	1	0	1
ADV NEUROL	0.968	43.8	B	0	0	0	1	1
EUR J NEUROL	0.952	43 1	B	0	1	0	0	1
CLIN NEUROPSYCHOL	0.948	42.3	B	0	0	0	1	1
CLIN AUTON RES	0.942	40.9	B	0	0	0	1	1
J NEUROIMAGING	0.942	41.6	B	1	0	0	0	1
J NEUROSURG ANESTH	0.937	40.1	B	0	1	0	0	1
SPINAL CORD	0.913	39.4	B	3	1	3	6	13
J GERIATR PSYCH NEUR	0.909	38.7	B	0	0	0	1	1
NEUROPSY NEUROPSY BE	0.896	38.0	B	0	0	0	1	1
NEUROL RES	0.866	36.5	B	0	0	0	1	1
PEDIATR NEUROSURG	0.811	34.3	B	0	1	0	0	1
MINIM INVAS NEUROSUR	0.805	33.6	B	0	1	0	0	1
ACTA NEUROL BELG	0.697	29.9	C	0	0	0	1	1
PSYCHIAT CLIN NEUROS	0.452	18.2	C	0	1	0	0	1
J NEURO OPHTHALMOL	0.252	8.8	C	0	0	0	1	1
J CLIN NEUROSCI	0.178	5.1	C	1	0	0	0	1
Total				**39**	**54**	**20**	**184**	**297**

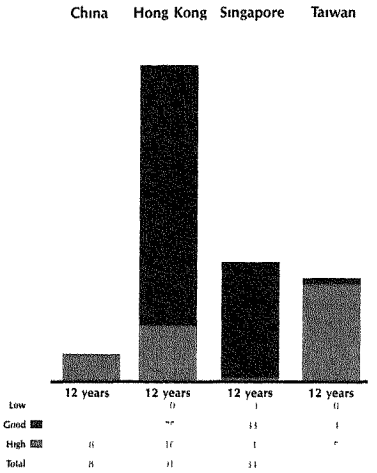
Critical Care Medicine

Number of full papers (with impact factor) in Medline

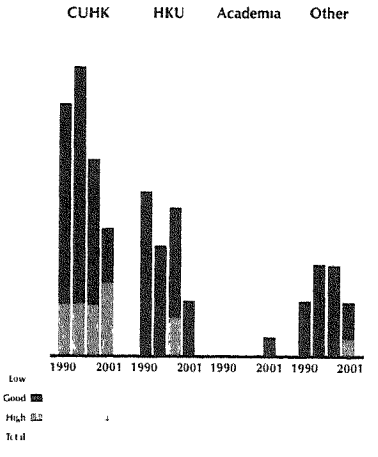
Three year groups



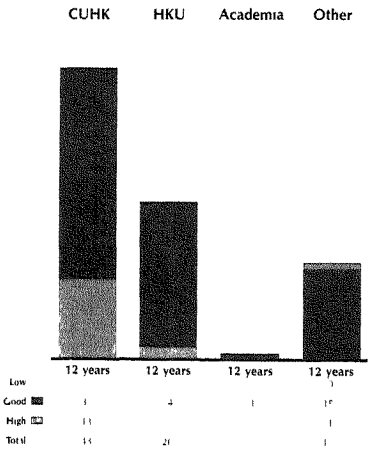
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



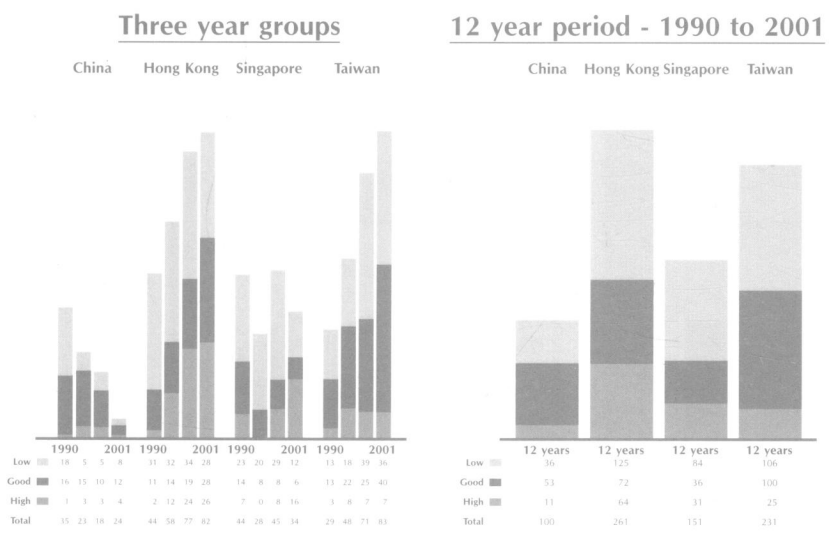
Critical Care Medicine subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

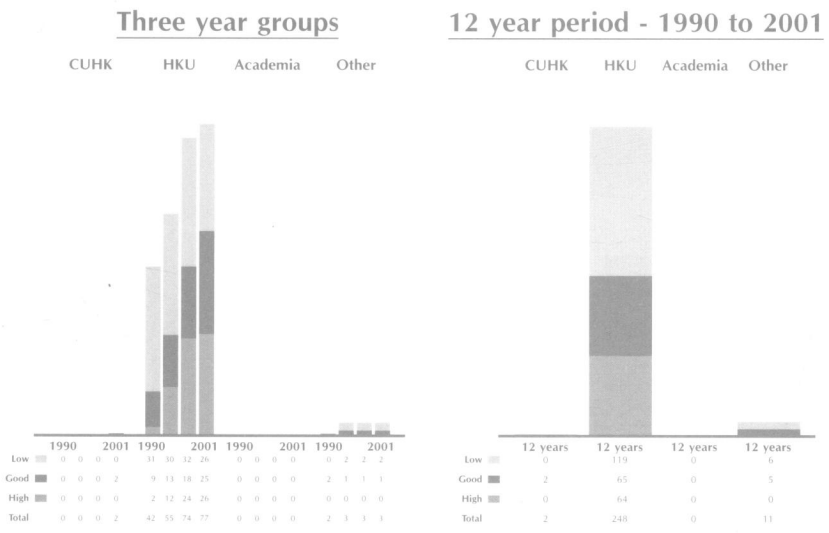
Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Critical Care Medicine JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Critical Care Medicine**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
AM J RESP CRIT CARE	5.443	100 0	A	0	0	0	1	1
CRIT CARE MED	3.824	93.3	A	4	11	0	16	31
J NEUROTRAUM	2.877	86.7	A	1	0	0	0	1
SHOCK	2.785	80 0	A	1	0	0	0	1
INTENS CARE MED	2 098	73 3	A	1	5	1	8	15
RESUSCITATION	1.760	66.7	A	1	0	0	0	1
J TRAUMA	1.498	60 0	B	0	0	0	0	0
J CRIT CARE	1.407	53.3	B	0	0	0	0	0
BURNS	0.856	46.7	B	0	0	0	0	0
ANAESTH INTENS CARE	0.770	40.0	B	0	75	33	4	112
ANASTH INTENSIVMED	0.647	33.3	B	0	0	0	0	0
J INTENSIVE CARE MED	0.544	26.7	C	0	0	0	0	0
ANASTH INTENSIV NOTF	0 541	20.0	C	0	0	0	0	0
INJURY	0.363	13.3	C	0	0	0	0	0
SEM RESP CRIT CARE M	0.336	6.7	C	0	0	0	0	0
Total				**8**	**91**	**34**	**29**	**162**

Dentistry, Oral Surgery and Medicine

Number of full papers (with impact factor) in Medline





Dentistry, Oral Surgery and Medicine subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Dentistry, Oral Surgery and Medicine JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

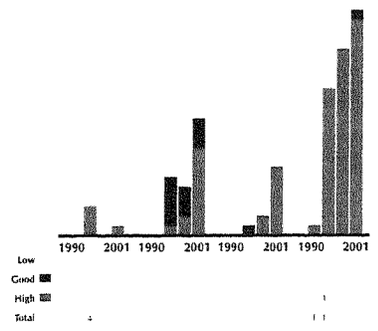
Subject Category, Area **Dentistry, Oral Surgery and Medicine**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
J DENT RES	4 438	100.0	A	0	15	3	6	24
CRIT REV ORAL BIOL M	3 148	97.8	A	0	0	0	0	0
EUR J ORAL SCI	1 808	95.7	A	2	0	0	0	2
CARIES RES	1 708	93 5	A	2	2	0	0	4
ORAL ONCOL	1 690	91 3	A	0	1	0	0	1
CLIN ORAL IMPLAN RES	1 680	89.1	A	0	0	0	0	0
J DENT	1 594	87.0	A	1	24	3	4	32
J ORAL PATHOL MED	1.457	84.8	A	0	0	0	0	0
AM J DENT	1 452	82 6	A	0	8	2	0	10
J CLIN PERIODONTOL	1 426	80 4	A	4	9	2	11	26
ORAL MICROBIOL IMMUN	1 419	78 3	A	0	1	0	0	1
OPER DENT	1 411	76 1	A	0	1	20	1	22
PERIODONTOL 2000	1 391	73 9	A	0	0	0	0	0
COMMUNITY DENT ORAL	1 350	71 7	A	0	0	0	0	0
INT J ORAL MAX IMPL	1 316	69.6	A	1	1	1	2	5
J OROFAC PAIN	1 288	67.4	A	1	2	0	1	4
J PERIODONTOL	1.215	65.2	B	1	3	1	32	37
INT J PROSTHODONT	1 182	63 0	B	0	4	8	3	15
DENT MATER	1 016	60 9	B	0	0	0	1	1
J PERIODONTAL RES	0.946	58.7	B	1	0	0	4	5
INT ENDOD J	0.933	56 5	B	2	1	0	1	4
INT J ORAL MAX SURG	0 932	54 3	B	0	0	0	0	0
SWED DENT J	0 914	52.2	B	0	1	0	0	1
ORAL SURG ORAL MED O	0.865	50.0	B	0	0	0	1	1
J AM DENT ASSOC	0 854	47.8	B	0	1	1	0	2
ARCH ORAL BIOL	0 845	45.7	B	6	17	5	7	35
BRIT DENT J	0.822	43 5	B	0	16	1	1	18
J PROSTHET DENT	0 787	41 3	B	12	11	13	30	66
J ORAL MAXIL SURG	0 773	39 1	B	30	15	7	20	72
BRIT J ORAL MAX SURG	0.771	37 0	B	0	0	0	0	0
ACTA ODONTOL SCAND	0 761	34.8	B	1	3	0	0	4
AM J ORTHOD DENTOFAC	0.757	32.6	C	2	17	2	17	38
CLEFT PALATE CRAN J	0 718	30.4	C	0	1	0	0	1
QUINTESSENCE INT	0.712	28.3	C	7	26	22	7	62
ANGLE ORTHOD	0.704	26.1	C	0	10	0	8	18
J ENDODONT	0.668	23.9	C	2	1	1	31	35
CRANIO	0.657	21 7	C	0	0	0	2	2
J PUBLIC HEALTH DENT	0.656	19 6	C	0	1	0	0	1
INT J PERIODONT REST	0.650	17.4	C	0	0	0	3	3
J CRANIO MAXILL SURG	0 636	15.2	C	0	0	0	0	0
EUR J ORTHODONT	0.593	13.0	C	2	8	3	1	14
J ORAL REHABIL	0.565	10.9	C	17	10	27	26	80
ENDOD DENT TRAUMATOL	0 514	8.7	C	2	0	7	3	12
J DENT CHILD	0.496	6.5	C	0	0	0	0	0
INT DENT J	0.419	4.3	C	3	19	5	0	27
AUST DENT J	0.373	2.2	C	1	32	17	8	58
Total				**100**	**261**	**151**	**231**	**743**

Emergency Medicine

Number of full papers (with impact factor) in Medline

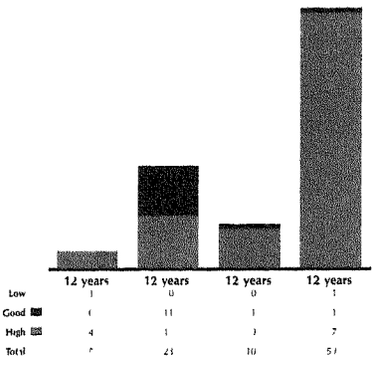
Three year groups

China Hong Kong Singapore Taiwan



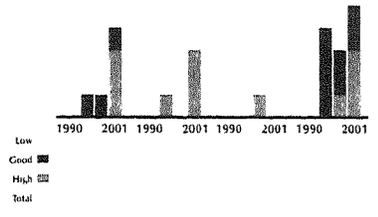
12 year period - 1990 to 2001

China Hong Kong Singapore Taiwan



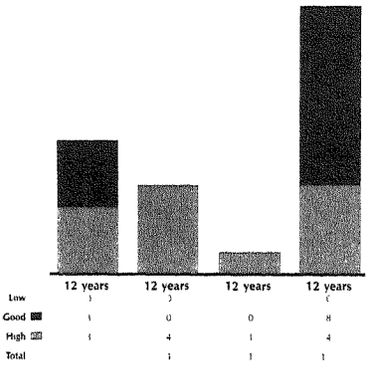
Three year groups

CUHK HKU Academia Other



12 year period - 1990 to 2001

CUHK HKU Academia Other



Emergency Medicine subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Emergency Medicine JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

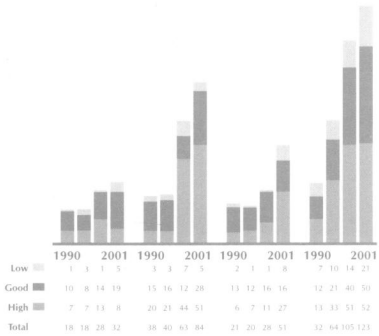
Subject Category, Area **Emergency Medicine**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ANN EMERG MED	2.183	100 0	A	0	2	3	8	13
RESUSCITATION	1.760	91.7	A	2	6	1	1	10
ACAD EMERG MED	1.419	83 3	A	0	1	1	3	5
CRIT CARE CLIN	1.143	75 0	A	0	1	0	0	1
AM J EMERG MED	1.054	66.7	A	2	2	4	45	53
J BURN CARE REHABIL	0.810	58 3	B	0	0	0	0	0
J ACCID EMERG MED	0 668	50.0	B	0	11	1	1	13
EMERG MED CLIN N AM	0.635	41.7	B	0	0	0	0	0
NEW HORIZ SCI PRACT	0 619	33 3	B	0	0	0	0	0
UNFALLCHIRURG	0.496	25 0	C	1	0	0	0	1
PEDIATR EMERG CARE	0.428	16 7	C	0	0	0	1	1
INJURY	0.363	8.3	C	0	0	0	0	0
Total				**5**	**23**	**10**	**59**	**97**

Endocrinology and Metabolism

Number of full papers (with impact factor) in Medline

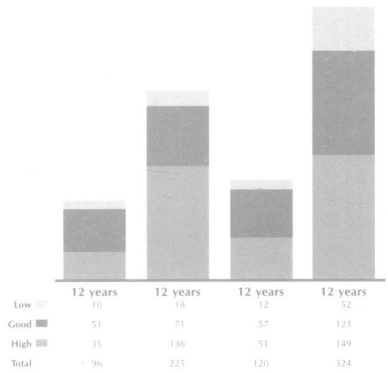
Three year groups

China Hong Kong Singapore Taiwan



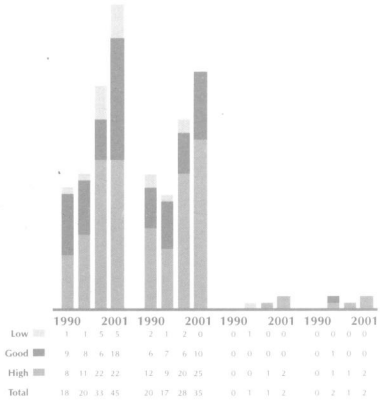
12 year period - 1990 to 2001

China Hong Kong Singapore Taiwan



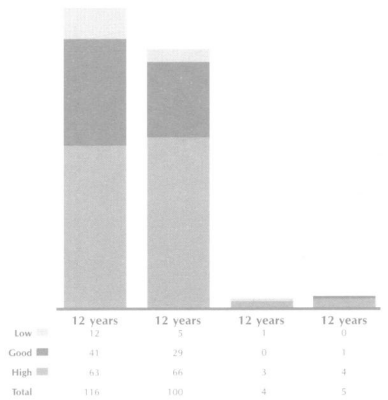
Three year groups

CUHK HKU Academia Other



12 year period - 1990 to 2001

CUHK HKU Academia Other



Endocrinology and Metabolism subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Endocrinology and Metabolism JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

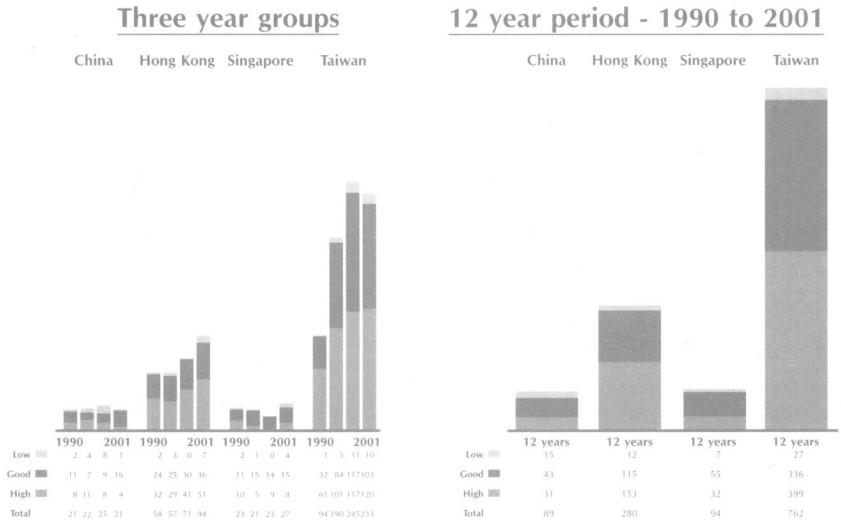
Subject Category, Area **Endocrinology and Metabolism**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ENDOCR REV	19 524	100.0	A	0	0	0	0	0
FRONT NEUROENDOCRIN	8.375	98 9	A	0	0	0	0	0
DIABETES	7.715	97 8	A	1	2	1	4	8
MOL ENDOCRINOL	6.251	96 6	A	0	0	5	5	10
J CEREBR BLOOD F MET	5.926	95 5	A	0	0	0	1	1
J BONE MINER RES	5 877	94 4	A	1	6	0	3	10
DIABETOLOGIA	5.721	93.3	A	3	4	1	5	13
CURR OPIN LIPIDOL	5.661	92 1	A	0	0	0	0	0
J CLIN ENDOCR METAB	5.447	91 0	A	6	19	10	18	53
VITAM HORM	5.407	89 9	A	0	0	1	0	1
RECENT PROG HORM RES	5.306	88.8	A	0	0	0	0	0
DIABETES CARE	4 992	87.6	A	5	28	2	17	52
ENDOCRINOLOGY	4 790	86 5	A	2	9	13	22	46
OBES RES	4.656	85.4	A	0	1	0	0	1
FREE RADICAL BIO MED	4 116	84.3	A	10	7	7	35	59
BONE	3 998	83.1	A	1	7	0	7	15
TRENDS ENDOCRIN MET	3 908	82.0	A	0	0	0	0	0
J PINEAL RES	3.779	80.9	A	0	0	0	0	0
PROSTATE	3.754	79.8	A	0	0	0	0	0
AM J PHYSIOL ENDOC M	3 183	78.7	A	0	0	0	0	0
PSYCHONEUROENDOCRINO	3 008	77.5	A	0	0	0	1	1
INT J OBESITY	2 982	76.4	A	0	0	1	0	1
CLIN ENDOCRINOL	2.922	75.3	A	1	20	5	10	36
NEUROENDOCRINOLOGY	2 744	74.2	A	0	0	0	0	0
DIABETIC MED	2.732	73.0	A	1	13	2	12	28
NEUROIMMUNOMODULAT	2.701	71.9	A	1	0	0	0	1
J ENDOCRINOL	2 663	70.8	A	3	18	1	8	30
BAILLIERE CLIN ENDOC	2.659	69.7	A	0	0	0	0	0
J MOL ENDOCRINOL	2 654	68.5	A	0	2	2	0	4
REGUL PEPTIDES	2 634	67.4	A	0	0	0	1	1
OSTEOPOROSIS INT	2 613	66.3	B	3	18	3	3	27
J NEUROENDOCRINOL	2 598	65.2	B	0	0	1	0	1
HORM BEHAV	2 553	64.0	B	0	0	0	1	1
J MAMMARY GLAND BIOL	2.493	62.9	B	0	0	0	0	0
ENDOCRIN METAB CLIN	2.376	61.8	B	0	0	0	0	0
MOL CELL ENDOCRINOL	2.369	60.7	B	3	7	10	14	34
EUR J ENDOCRINOL	2.315	59 6	B	3	1	5	5	14
J STEROID BIOCHEM	2.245	58.4	B	3	1	0	5	9
CALCIFIED TISSUE INT	2.189	57.3	B	1	10	2	15	28
DIABETES METAB RES	2.155	56 2	B	0	0	0	0	0
THYROID	2 047	55.1	B	1	7	5	8	21
METABOLISM	1.952	52.8	B	4	7	2	25	38
SEMIN REPROD ENDOCR	1.952	53.9	B	0	0	0	0	0
GEN COMP ENDOCR	1 912	51.7	B	6	15	13	15	49
DIABETES REV	1.886	50 6	B	0	0	0	0	0
STEROIDS	1 831	49.4	B	16	0	4	3	23
HORM METAB RES	1 707	48.3	B	2	1	5	5	13
DOMEST ANIM ENDOCRIN	1.679	47 2	B	1	0	0	0	1
PANCREAS	1.648	46 1	B	0	0	0	0	0
ENDOCRINE	1.609	44 9	B	0	0	2	2	4
J CLIN DENSITOM	1.523	43 8	B	0	0	1	0	1
DIABETES METAB	1.464	42.7	B	0	0	0	0	0
NEUROPEPTIDES	1.413	41.6	B	0	0	0	0	0
METAB BRAIN DIS	1.411	40.4	B	0	0	0	0	0
EXP CLIN ENDOCR DIAB	1.406	39.3	B	0	0	0	0	0
J ENDOCRINOL INVEST	1.398	38 2	B	1	1	2	12	16
MINER ELECTROL METAB	1.350	37.1	B	0	1	0	8	9
J INHERIT METAB DIS	1.307	36.0	B	0	0	0	0	0
HORM RES	1.301	34.8	B	7	2	2	2	13
COMP BIOCHEM PHYS C	1.249	33.7	B	0	0	0	0	0
ENDOCR RELAT CANCER	1.239	32.6	C	0	0	0	1	1
PROSTAG LEUKOTR ESS	1.226	31.5	C	0	3	1	12	16

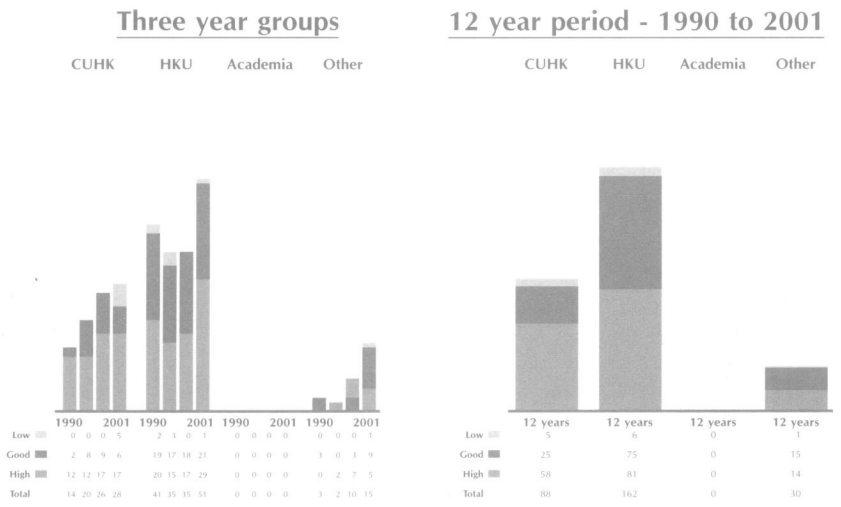
(continued)

Subject Category, Area **Endocrinology and Metabolism**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
GYNECOL ENDOCRINOL	1.107	30.3	C	0	0	0	0	0
J TRACE ELEM MED BIO	1.032	29.2	C	0	0	0	1	1
ENDOCR RES	0.994	28.1	C	2	3	0	3	8
DIABETES RES CLIN PR	0.982	27.0	C	1	9	7	24	41
DIABETES NUTR METAB	0.964	25.8	C	0	1	0	0	1
NUTR METAB CARDIOVAS	0.959	24.7	C	0	0	0	0	0
J TRACE ELEM EXP MED	0.952	23.6	C	0	0	0	0	0
J BONE MINER METAB	0.926	22.5	C	1	0	0	0	1
INT J PANCREATOL	0.924	21.3	C	0	0	0	0	0
J DIABETES COMPLICAT	0.851	20.2	C	0	1	2	2	5
DIABETES EDUCATOR	0.837	19.1	C	0	0	0	0	0
MAGNESIUM RES	0.825	18.0	C	1	0	0	2	3
J BIOL REG HOMEOS AG	0.803	16.9	C	1	0	0	0	1
GROWTH HORM IGF RES	0.788	15.7	C	0	0	1	0	1
BIOL TRACE ELEM RES	0.786	14.6	C	0	0	0	0	0
ENDOCR J	0.779	13.5	C	1	0	0	7	8
ANN NUTR METAB	0.655	12.4	C	0	0	0	0	0
TRACE ELEM ELECTROLY	0.653	11.2	C	0	0	0	0	0
J PEDIATR ENDOCR MET	0.638	10.1	C	0	1	0	0	1
ACTA DIABETOL	0.519	9.0	C	1	0	0	0	1
ANN ENDOCRINOL PARIS	0.436	7.9	C	0	0	0	0	0
ENDOCR PATHOL	0.402	6.7	C	0	0	0	0	0
ENDOCRINOLOGIST	0.382	5.6	C	0	0	0	0	0
DIABETES OBES METAB	0.300	4.5	C	2	0	1	0	3
BEST PRACT RES CL EN	0.158	3.4	C	0	0	0	0	0
MAGNESIUM B	0.132	2.2	C	0	0	0	0	0
ITAL J MINER ELECT M	0.077	1.1	C	0	0	0	0	0
Total				**96**	**225**	**120**	**324**	**765**

Gastroenterology and Hepatology

Number of full papers (with impact factor) in Medline





Gastroenterology and Hepatology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Gastroenterology and Hepatology JCR subject category The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW)

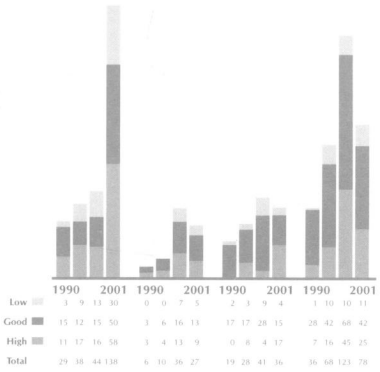
Subject Category Area **Gastroenterology and Hepatology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
GASTROENTEROLOGY	12 246	100 0	A	4	14	0	31	49
HEPATOLOGY	7 304	97 8	A	8	25	1	85	119
SEMIN LIVER DIS	6 012	95 6	A	0	0	0	1	1
GUT	5 386	93 3	A	5	9	14	16	44
J HEPATOL	3 761	91 1	A	3	8	1	62	74
ALIMENT PHARM THERAP	3 489	88 9	A	0	0	0	0	0
AM J PHYSIOL GASTR L	3 115	86 7	A	0	0	1	0	1
AM J GASTROENTEROL	2 834	84 4	A	6	41	3	96	146
GASTROINTEST ENDOSC	2 820	82 2	A	1	47	10	69	127
HELICOBACTER	2 639	80 0	A	0	1	0	0	1
J VIRAL HEPATITIS	2 157	77 8	A	1	0	0	0	1
LIVER TRANSPLANT	2 130	75 6	A	0	1	0	0	1
NEUROGASTROENT MOTIL	2 081	73 3	A	0	0	0	1	1
SCAND J GASTROENTERO	1 842	71 1	A	3	7	2	38	50
ENDOSCOPY	1 817	68 9	A	0	0	0	0	0
HEPATOL RES	1 808	66 7	A	0	0	0	0	0
INFLAMM BOWEL DIS	1 791	64 4	B	0	0	0	0	0
DIGESTION	1 780	62 2	B	2	11	0	5	18
GASTROENTEROL CLIN N	1 774	60 0	B	0	0	1	0	1
LIVER	1 739	57 8	B	4	2	0	15	21
BAILLIERE CLIN GASTR	1 733	55 6	B	0	1	1	0	2
INT J COLORECTAL DIS	1 707	53 3	B	0	0	1	0	1
DIS COLON RECTUM	1 690	51 1	B	0	0	0	0	0
CAN J GASTROENTEROL	1 645	48 9	B	0	2	0	0	2
J PEDIATR GASTR NUTR	1 580	46 7	B	0	0	0	0	0
DIGEST DIS SCI	1 498	44 4	B	4	23	6	67	100
ITAL J GASTROENTEROL	1 289	42 2	B	0	0	0	0	0
EUR J GASTROEN HEPAT	1 142	40 0	B	1	6	5	6	18
J CLIN GASTROENTEROL	1 127	37 8	B	1	7	10	53	71
J GASTROEN HEPATOL	1 116	35 6	B	31	63	31	190	315
WORLD J GASTROENTERO	0 993	33 3	B	0	0	0	0	0
J GASTROENTEROL	0 990	31 1	C	11	3	3	21	38
GASTROEN CLIN BIOL	0 927	28 9	C	0	0	0	0	0
HEPATO GASTROENTEROL	0 905	26 7	C	0	0	0	0	0
Z GASTROENTEROL	0 887	24 4	C	0	0	0	0	0
ABDOM IMAGING	0 866	22 2	C	0	0	0	1	1
DIGEST SURG	0 810	20 0	C	1	0	0	0	1
DIGEST DIS	0 744	17 8	C	0	2	1	0	3
ACTA GASTRO ENT BELG	0 605	15 6	C	0	2	0	2	4
CURR OPIN GASTROEN	0 577	13 3	C	0	0	0	0	0
REV ESP ENFERM DIG	0 384	11 1	C	0	0	0	0	0
J DIARRHOEAL DIS RES	0 379	8 9	C	3	0	2	1	6
CHIR GASTROENTEROL	0 078	4 4	C	0	0	0	0	0
BEST PRACT RES CL GA	0 067	2 2	C	0	5	1	2	8
Total				**89**	**280**	**94**	**762**	**1225**

Genetics and Heredity

Number of full papers (with impact factor) in Medline

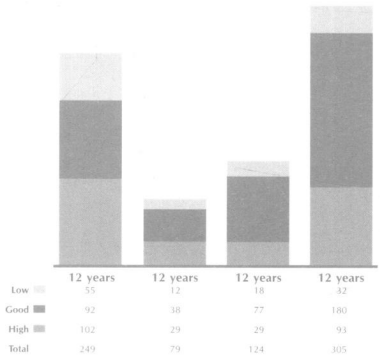
Three year groups

China Hong Kong Singapore Taiwan



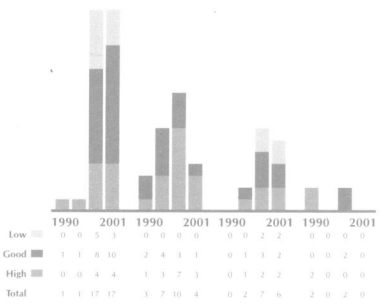
12 year period - 1990 to 2001

China Hong Kong Singapore Taiwan



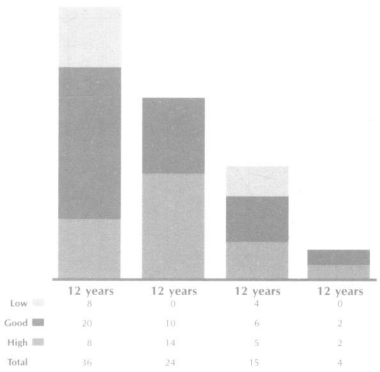
Three year groups

CUHK HKU Academia Other



12 year period - 1990 to 2001

CUHK HKU Academia Other



Genetics and Heredity subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Genetics & Heredity JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW). About 20 of the journals with the lowest IF with no publications have been omitted in the list.

Subject Category, Area **Genetics and Heredity**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
NAT GENET	30.910	100.0	A	4	1	0	1	6
GENE DEV	19.676	99.1	A	0	0	7	1	8
CURR OPIN GENET DEV	13.810	98.2	A	0	0	1	0	1
ANNU REV GENET	13.450	97.4	A	1	0	0	0	1
TRENDS GENET	12.912	96.5	A	0	1	0	2	3
AM J HUM GENET	10.351	95.6	A	4	2	0	5	11
HUM MOL GENET	9.048	94.7	A	0	1	0	1	2
TRENDS ECOL EVOL	8.765	93.9	A	0	0	0	0	0
GENOME RES	7.615	93.0	A	2	1	1	0	4
HUM GENE THER	6.796	92.1	A	0	0	0	1	1
EVOL BIOL	6.667	91.2	A	0	0	0	0	0
ONCOGENE	6.490	90.4	A	1	0	0	0	1
GENE THER	5.964	89.5	A	1	0	0	0	1
ADV GENET	5.750	88.6	A	0	0	0	0	0
MOL BIOL EVOL	5.298	87.7	A	4	1	1	3	9
GENES CELLS	4.885	86.8	A	0	0	0	0	0
GENETICS	4.687	86.0	A	14	2	1	3	20
GENE CHROMOSOME CANC	4.534	85.1	A	1	0	0	0	1
PHARMACOGENETICS	4.465	84.2	A	0	0	1	0	1
CRIT REV EUKAR GENE	4.383	83.3	A	0	0	0	0	0
CANCER GENE THER	4.151	82.5	A	0	1	0	0	1
MUTAT RES REV MUTAT	4.129	81.6	A	0	0	0	0	0
J MOL EVOL	3.984	80.7	A	6	2	1	4	13
HUM MUTAT	3.666	79.8	A	1	2	0	8	11
EVOLUTION	3.632	78.9	A	0	0	0	0	0
PROTEINS	3.576	78.1	A	17	0	1	10	28
MUTAT RES DNA REPAIR	3.515	77.2	A	0	0	0	0	0
J MOL MED JMM	3.445	76.3	A	1	0	0	0	1
GENOMICS	3.425	75.4	A	17	7	3	10	37
HUM GENET	3.422	74.6	A	10	1	6	32	49
EVOL DEV	3.400	73.7	A	0	0	0	0	0
MOL PHYLOGENET EVOL	3.345	72.8	A	6	2	1	1	10
J MED GENET	3.290	71.9	A	10	4	2	9	25
GENES IMMUN	3.222	71.1	A	0	0	0	0	0
DEV GENET	3.220	70.2	A	0	1	1	1	3
EUR J HUM GENET	3.175	69.3	A	0	0	0	1	1
CHROMOSOMA	3.157	68.4	A	2	0	0	0	2
J GENE MED	3 103	67.5	A	0	0	1	0	1
PSYCHIATR GENET	2.609	66 7	A	0	0	1	0	1
NEUROGENETICS	2 596	65.8	B	0	0	0	0	0
FUNGAL GENET BIOL	2.566	64.9	B	0	0	0	0	0
AM J MED GENET	2.479	64.0	B	14	9	2	25	50
MOL GEN GENET	2.462	63.2	B	7	3	8	12	30
GENE	2.461	62.3	B	22	15	25	43	105
EXP CLIN IMMUNOGENET	2.400	61.4	B	1	0	0	0	1
MOL GENET METAB	2.360	60.5	B	1	0	0	0	1
THEOR APPL GENET	2.358	59.6	B	0	0	0	0	0
J EVOLUTION BIOL	2.357	58.8	B	0	0	0	0	0
ENVIRON MOL MUTAGEN	2.278	57.9	B	0	0	0	1	1
MUTAGENESIS	2.226	57.0	B	6	0	0	19	25
MUTAT RES FUND MOL M	2.148	56.1	B	0	0	0	0	0
ANN HUM GENET	2.146	55.3	B	0	0	2	0	2
IMMUNOGENETICS	2.142	54.4	B	0	0	1	0	1
MAMM GENOME	2.137	53.5	B	0	1	0	0	1
GENE EXPRESSION	2.100	52.6	B	0	0	0	1	1
HEREDITY	2.009	51.8	B	4	0	0	1	5
CURR GENET	1.977	50.9	B	0	0	0	3	3
MUTAT RES GENOMICS	1.952	50.0	B	0	0	0	0	0
J NEUROGENET	1.938	49.1	B	0	0	0	0	0
GENET RES	1.862	47.4	B	2	0	0	0	2

(continued)

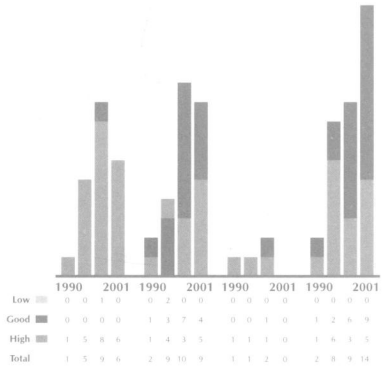
Subject Category, Area **Genetics and Heredity**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
THEOR POPUL BIOL	1.833	46.5	B	0	0	0	1	1
DNA CELL BIOL	1.827	45.6	B	3	0	4	38	45
HUM HERED	1.800	44.7	B	13	1	18	10	42
EVOL ECOL	1.762	43.9	B	0	0	0	0	0
CHROMOSOME RES	1.725	43.0	B	2	0	0	3	5
J HUM GENET	1.685	42.1	B	2	0	0	3	5
CLIN GENET	1.643	40.4	B	6	7	11	11	35
GENOME	1.610	38.6	B	5	1	1	4	11
HUM BIOL	1.532	37.7	B	1	0	4	1	6
BEHAV GENET	1.516	36.8	B	0	0	0	1	1
J HERED	1.511	36.0	B	1	1	1	3	6
GENETICA	1.440	34.2	B	2	0	0	0	2
J ASSIST REPROD GEN	1.416	32.5	C	0	0	1	0	1
CYTOGENET CELL GENET	1.409	31.6	C	11	6	1	2	20
EUR J IMMUNOGENET	1.385	30.7	C	1	0	0	0	1
GENET EPIDEMIOL	1.313	28.9	C	0	0	1	0	1
J INHERIT METAB DIS	1.307	28.1	C	1	3	2	11	17
PLASMID	1.302	27.2	C	6	0	3	7	16
J INTELL DISABIL RES	1.123	22.8	C	0	1	0	0	1
GENES GENET SYST	1.074	21.1	C	1	0	0	0	1
MOL THER	0.897	20.2	C	0	0	1	0	1
SOMAT CELL MOLEC GEN	0.884	19.3	C	1	1	0	0	2
ANIM GENET	0.863	17.5	C	4	0	0	1	5
HEREDITAS	0.753	15.8	C	4	0	0	0	4
GENESIS	0.714	14.9	C	0	0	0	2	2
BIOCHEM GENET	0.694	14.0	C	21	1	0	2	24
GENET COUNSEL	0.636	13.2	C	0	0	0	1	1
DNA SEQUENCE	0.542	10.5	C	4	0	9	6	19
BIOMOL ENG	0.278	4.4	C	1	0	0	0	1
Total				**249**	**79**	**124**	**305**	**757**

Geriatrics and Gerontology

Number of full papers (with impact factor) in Medline

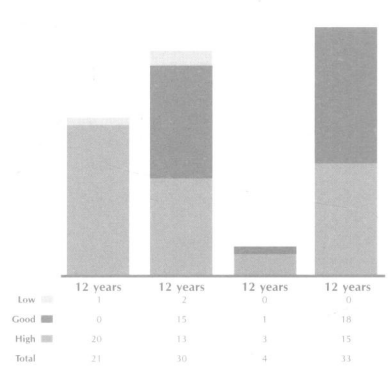
Three year groups

China Hong Kong Singapore Taiwan



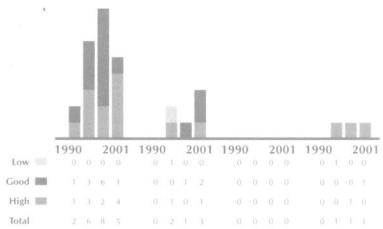
12 year period - 1990 to 2001

China Hong Kong Singapore Taiwan



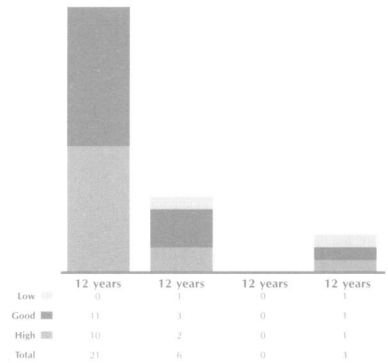
Three year groups

CUHK HKU Academia Other



12 year period - 1990 to 2001

CUHK HKU Academia Other



Geriatrics and Gerontology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

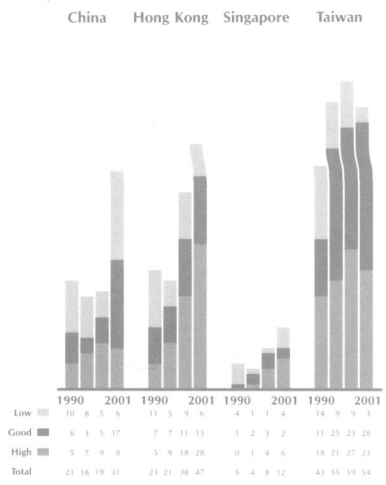
Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Geriatrics and Gerontology JCR subject category The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW)

Subject Category Area **Geriatrics and Gerontology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
NEUROBIOL AGING	4 159	100 0	A	0	1	0	0	1
J AM GERIATR SOC	3 136	95 5	A	0	6	0	7	13
AGE	2 622	86 4	A	0	0	0	0	0
EXP GERONTOL	2 622	90 9	A	3	1	0	0	4
DRUG AGING	2 342	81 8	A	0	1	0	0	1
MECH AGEING DEV	1 897	77 3	A	16	0	0	2	18
DEMENT GERIATR COGN	1 763	72 7	A	0	0	0	1	1
AGE AGEING	1 611	68 2	A	1	4	3	5	13
J GERONTOL A BIOL	1 549	63 6	B	0	6	0	10	16
INT J GERIATR PSYCH	1 495	59 1	B	0	0	1	0	1
GERONTOLOGY	1 424	54 5	B	0	7	0	8	15
MATURITAS	1 402	50 0	B	0	1	0	0	1
CLIN GERIATR MED	1 232	45 5	B	0	0	0	0	0
J GERONTOL B PSYCHOL	1 102	40 9	B	0	1	0	0	1
GERIATRICS	0 919	36 4	B	0	0	0	0	0
J GERIATR PSYCH NEUR	0 909	31 8	C	0	1	0	0	1
AGING CLIN EXP RES	0 781	27 3	C	0	1	0	0	1
EXP AGING RES	0 581	22 7	C	0	0	0	0	0
BIOGERONTOLOGY	0 469	18 2	C	0	0	0	0	0
Z GERONTOL GERIATR	0 458	13 6	C	0	0	0	0	0
ARCH GERONTOL GERIAT	0 269	9 1	C	0	0	0	0	0
GROWTH DEVELOP AGING	0 143	4 5	C	1	0	0	0	1
Total				**21**	**30**	**4**	**33**	**88**

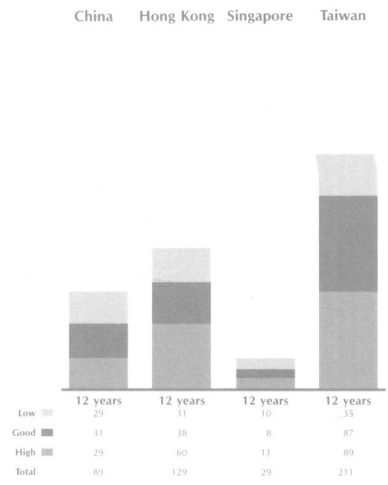
Hematology

Number of full papers (with impact factor) in Medline

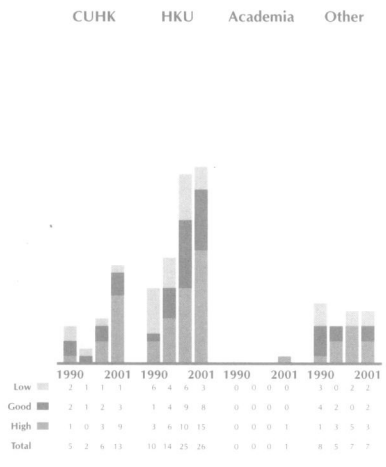
Three year groups



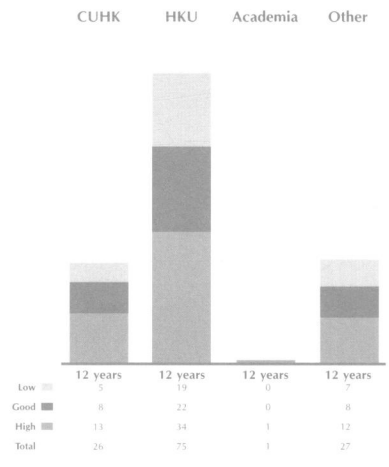
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



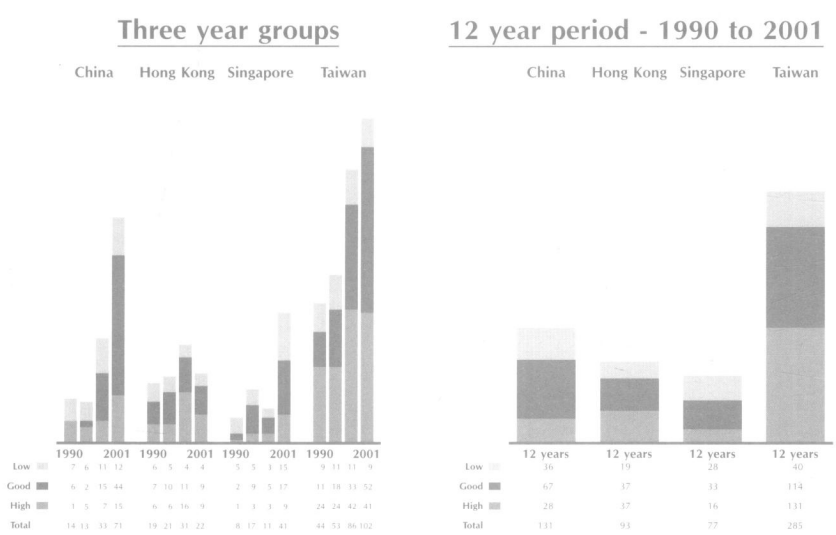
Hematology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

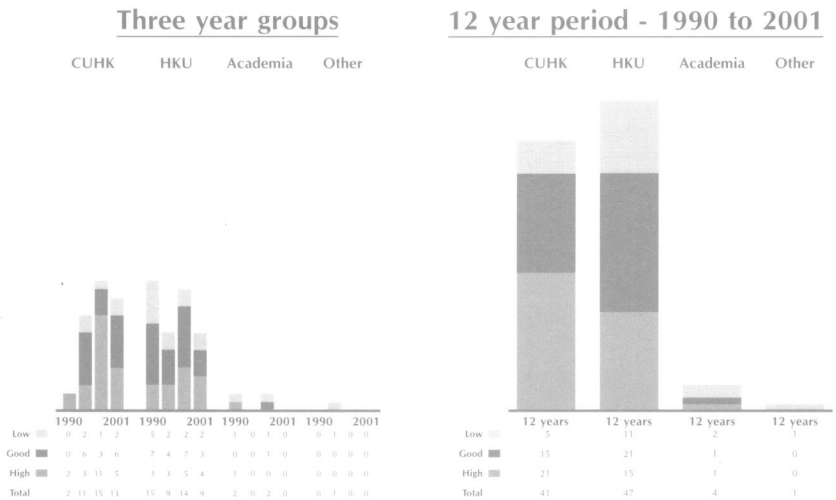
Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Hematology JCR subject category The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China Hong Kong (HK) Singapore (SNG) and Taiwan (TW)

Subject Category Area **Hematology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
CIRCULATION	10 893	100 0	A	1	0	0	0	1
CIRC RES	9 193	98 3	A	0	0	0	1	1
BLOOD	8 977	96 7	A	10	9	7	27	53
J CEREBR BLOOD F MET	5 926	95 0	A	0	0	0	1	1
ARTERIOSCL THROM VAS	5 111	93 3	A	0	0	0	1	1
THROMB HAEMOSTASIS	4 372	91 7	A	0	0	0	0	0
J LEUKOCYTE BIOL	4 342	90 0	A	0	1	0	0	1
TRANSFUSION	3 765	88 3	A	2	9	1	16	28
LEUKEMIA	3 736	86 7	A	0	0	0	0	0
SEMIN HEMATOL	3 551	85 0	A	1	0	0	1	2
EXP HEMATOL	3 261	83 3	A	0	0	0	0	0
BRIT J HAEMATOL	3 068	81 7	A	11	39	3	39	92
STEM CELLS	2 989	80 0	A	1	0	0	0	1
BLOOD CELL MOL DIS	2 897	78 3	A	1	0	0	1	2
SHOCK	2 785	76 7	A	1	0	0	0	1
J INFLAMM	2 714	75 0	A	0	0	0	0	0
BLOOD REV	2 689	73 3	A	0	0	0	0	0
MICROCIRCULATION	2 667	71 7	A	0	0	0	0	0
HAEMATOLOGICA	2 538	70 0	A	1	1	0	2	4
BONE MARROW TRANSPL	2 396	68 3	A	0	0	0	0	0
J HEMATOTH STEM CELL	2 194	66 7	A	0	1	0	0	1
SEMIN THROMB HEMOST	2 179	65 0	B	0	0	0	0	0
VOX SANG	2 067	63 3	B	3	4	0	13	20
TRANSFUS MED REV	2 021	61 7	B	0	0	0	1	1
HEMATOL ONCOL CLIN N	1 979	60 0	B	0	0	0	1	1
BLOOD COAGUL FIBRIN	1 938	58 3	B	0	0	2	0	2
TRANSFUSION MED	1 744	56 7	B	0	5	0	4	9
EUR J HAEMATOL	1 665	55 0	B	3	0	1	3	7
LEUKEMIA RES	1 502	53 3	B	0	0	0	0	0
AM J HEMATOL	1 498	51 7	B	6	26	3	27	62
ANN HEMATOL	1 448	50 0	B	1	2	0	24	27
HAEMOPHILIA	1 408	48 3	B	1	0	0	2	3
J PEDIAT HEMATOL ONC	1 387	46 7	B	0	0	0	1	1
J CLIN APHERESIS	1 379	45 0	B	0	0	2	2	4
FIBRINOLYSIS PROTEOL	1 354	43 3	B	0	0	0	0	0
BAILLIERE CLIN HAEM	1 341	41 7	B	1	0	0	0	1
THROMB RES	1 323	40 0	B	0	0	0	0	0
BLOOD PURIFICAT	1 276	38 3	B	0	0	0	0	0
LEUKEMIA LYMPHOMA	1 252	36 7	B	1	0	0	0	1
INT J HEMATOL	1 212	35 0	B	13	1	0	9	23
HAEMOSTASIS	1 101	33 3	B	2	0	0	0	2
CRIT REV ONCOL HEMAT	1 019	31 7	C	0	0	0	1	1
CYTOTHERAPY	1 000	30 0	C	0	0	0	0	0
PLATELETS	0 965	28 3	C	0	0	0	0	0
ACTA HAEMATOL BASEL	0 899	26 7	C	3	9	2	19	33
BIORHEOLOGY	0 788	25 0	C	7	0	0	5	12
J THROMB THROMBOLYS	0 785	23 3	C	1	0	0	0	1
CLIN LAB HAEMATOL	0 705	21 7	C	1	18	5	3	27
INFUSIONSTHERAPIE	0 698	20 0	C	0	0	0	0	0
HEMATOL ONCOL	0 692	18 3	C	0	0	0	0	0
HEMATOL CELL THER	0 682	16 7	C	0	0	0	0	0
HEMOGLOBIN	0 631	15 0	C	16	3	0	5	24
PEDIATR HEMAT ONCOL	0 601	13 3	C	0	0	0	1	1
CLIN APPL THROMB HEM	0 567	11 7	C	0	0	2	0	2
CLIN HEMORHEOL MICRO	0 553	10 0	C	1	0	0	0	1
TRANSFUS CLIN BIOL	0 462	8 3	C	0	1	0	0	1
HAEMATOLOGIA	0 405	6 7	C	0	0	1	0	1
TRANSFUS SCI	0 366	5 0	C	0	0	0	1	1
COMP HAEMATOL INT	0 338	3 3	C	0	0	0	0	0
INFUS THER TRANSFUS	0 031	1 7	C	0	0	0	0	0
Total				**89**	**129**	**29**	**211**	**458**

Immunology

Number of full papers (with impact factor) in Medline





Immunology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Immunology JCR subject category The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW) About 20 of the journals with the lowest IF with no publications have been omitted in the list

Subject Category Area **Immunology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ANNU REV IMMUNOL	50 340	100 0	A	0	0	0	0	0
IMMUNITY	21 083	99 1	A	0	0	1	0	1
J EXP MED	15 236	98 3	A	0	0	1	0	1
IMMUNOL TODAY	14 954	97 4	A	0	0	0	0	0
ADV IMMUNOL	13 800	96 6	A	0	1	0	0	1
CURR OPIN IMMUNOL	12 549	95 7	A	0	0	0	0	0
AIDS	8 018	94 8	A	1	0	0	0	1
CRIT REV IMMUNOL	6 981	94 0	A	0	0	0	0	0
J IMMUNOL	6 834	93 1	A	6	1	2	31	40
SEMIN IMMUNOL	6 544	92 2	A	0	0	0	0	0
IMMUNOL REV	5 961	91 4	A	0	0	0	0	0
EUR J IMMUNOL	5 240	90 5	A	2	1	1	9	13
EMERG INFECT DIS	4 907	89 7	A	0	0	0	1	1
J LEUKOCYTE BIOL	4 342	88 8	A	0	0	0	5	5
INFECT IMMUN	4 204	87 9	A	0	0	0	0	0
J ALLERGY CLIN IMMUN	4 179	87 1	A	2	3	2	19	26
TRANSPLANTATION	4 035	86 2	A	0	0	0	0	0
CURR TOP MICROBIOL	3 463	85 3	A	0	0	1	0	1
J CLIN IMMUNOL	3 383	84 5	A	1	1	0	4	6
J NEUROIMMUNOL	3 355	83 6	A	0	0	1	0	1
GENES IMMUN	3 222	82 8	A	0	0	0	0	0
EXERC IMMUNOL REV	3 200	81 9	A	0	0	0	0	0
INT IMMUNOL	3 130	81 0	A	1	0	2	5	8
J ACQ IMMUN DEF SYND	3 046	80 2	A	0	0	0	1	1
J IMMUNOTHER	3 027	79 3	A	0	0	0	0	0
CLIN INFECT DIS	2 972	78 4	A	0	0	0	1	1
CLIN EXP ALLERGY	2 947	77 6	A	1	13	3	36	53
AIDS RES HUM RETROV	2 870	76 7	A	0	0	0	1	1
CANCER IMMUNOL IMMUN	2 820	75 9	A	0	0	0	1	1
J INFLAMM	2 714	75 0	A	0	0	0	0	0
NEUROIMMUNOMODULAT	2 701	74 1	A	1	0	0	0	1
IMMUNOTECHNOLOGY	2 697	73 3	A	0	1	0	0	1
INFECT DIS CLIN N AM	2 631	72 4	A	0	0	0	0	0
TISSUE ANTIGENS	2 612	71 6	A	0	0	0	0	0
CLIN EXP IMMUNOL	2 544	70 7	A	5	12	0	12	29
CYTOKINE	2 490	69 8	A	4	4	0	3	11
VACCINE	2 476	69 0	A	0	0	0	0	0
IMMUNOBIOLOGY	2 416	68 1	A	4	0	2	0	6
EXP CLIN IMMUNOGENET	2 400	67 2	A	0	0	0	2	2
BONE MARROW TRANSPL	2 396	66 4	B	0	0	0	1	1
ALLERGY	2 385	65 5	B	0	0	11	6	17
CLIN IMMUNOL	2 377	64 7	B	1	0	1	1	3
IMMUNOLOGY	2 292	63 8	B	6	2	5	16	29
MOL IMMUNOL	2 244	62 9	B	1	2	0	4	7
CELL IMMUNOL	2 206	62 1	B	2	0	4	8	14
DEV COMP IMMUNOL	2 205	61 2	B	0	1	0	0	1
IMMUNOL CELL BIOL	2 201	60 3	B	1	0	0	1	2
IMMUNOL RES	2 198	59 5	B	1	0	0	1	2
PEDIATR INFECT DIS J	2 190	58 6	B	0	0	0	0	0
BRAIN BEHAV IMMUN	2 184	57 8	B	1	0	0	0	1
SPRINGER SEMIN IMMUN	2 176	56 9	B	0	0	0	0	0
J AUTOIMMUN	2 176	56 0	B	1	1	0	0	2
MICROB PATHOGENESIS	2 144	55 2	B	0	0	0	1	1
IMMUNOGENETICS	2 142	54 3	B	0	1	0	0	1
J INTERF CYTOK RES	2 024	53 4	B	1	0	0	3	4
PARASITE IMMUNOL	2 000	52 6	B	0	0	0	0	0
J IMMUNOL METHODS	1 995	51 7	B	12	4	4	6	26
HUM IMMUNOL	1 953	50 9	B	2	1	4	6	13
ANN ALLERG ASTHMA IM	1 889	49 1	B	0	0	1	7	8
CLIN DIAGN LAB IMMUN	1 796	48 3	B	0	1	0	0	1

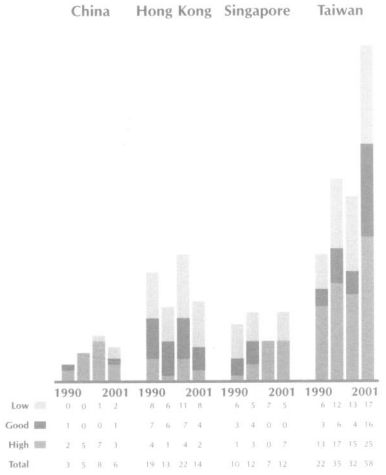
(continued)

Subject Category, Area **Immunology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
SCAND J IMMUNOL	1.777	47.4	B	4	4	0	16	24
J REPROD IMMUNOL	1.771	46.6	B	0	1	0	0	1
EUR CYTOKINE NETW	1.693	44.0	B	1	0	0	0	1
PEDIATR ALLERGY IMMU	1.635	42.2	B	0	0	0	1	1
INT ARCH ALLERGY IMM	1.630	40.5	B	7	3	2	22	34
FISH SHELLFISH IMMUN	1.618	39.7	B	0	0	1	0	1
CYTOKINES CELL MOL T	1.582	38.8	B	0	0	0	1	1
INFLAMM RES	1.560	37.9	B	3	13	0	3	19
IMMUNOL LETT	1.546	37.1	B	21	1	0	9	31
TRANSPL IMMUNOL	1.453	36.2	B	0	0	0	1	1
ORAL MICROBIOL IMMUN	1.419	35.3	B	0	1	0	0	1
EUR J IMMUNOGENET	1.385	34.5	B	2	1	0	0	3
VET IMMUNOL IMMUNOP	1.343	31.9	C	0	1	0	0	1
FEMS IMMUNOL MED MIC	1.244	31.0	C	0	0	0	1	1
AUTOIMMUNITY	1.204	30.2	C	1	2	2	1	6
INFLAMMATION	1.189	29.3	C	4	1	0	2	7
CAN J MICROBIOL	1.105	26.7	C	1	0	0	0	1
INT J STD AIDS	1.019	23.3	C	0	0	1	0	1
MEDIAT INFLAMM	0.990	22.4	C	1	0	0	0	1
VIRAL IMMUNOL	0.982	21.6	C	1	0	0	0	1
COMP IMMUNOL MICROB	0.902	19.8	C	0	0	0	1	1
J BIOL REG HOMEOS AG	0.803	18.1	C	1	0	0	0	1
CLIN REV ALLERG IMMU	0.741	16.4	C	0	1	0	0	1
J IMMUNOASSAY	0.676	13.8	C	1	0	0	0	1
IMMUNOL INVEST	0.635	12.9	C	5	3	0	9	17
HYBRIDOMA	0.587	11.2	C	12	2	1	7	22
J INVEST ALLERG CLIN	0.537	10.3	C	3	0	0	0	3
TRANSFUS CLIN BIOL	0.462	7.8	C	0	1	0	0	1
ASIAN PAC J ALLERGY	0.186	1.7	C	6	8	24	19	57
Total				**131**	**93**	**77**	**285**	**586**

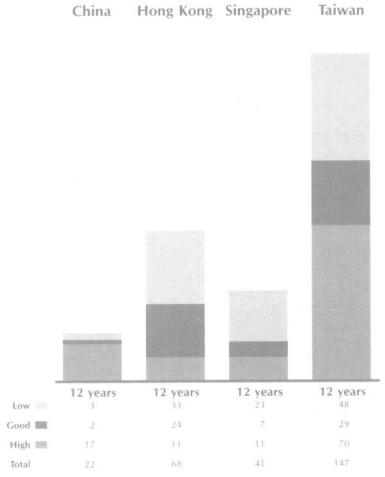
Infectious Diseases

Number of full papers (with impact factor) in Medline

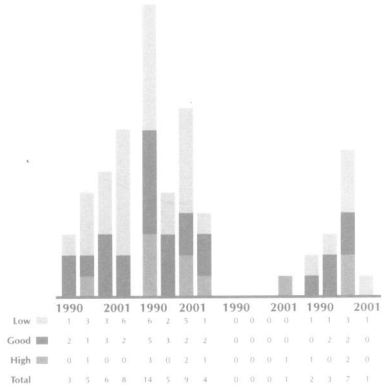
Three year groups



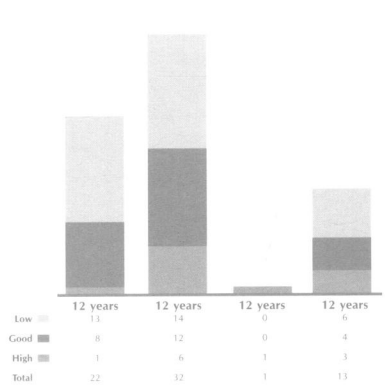
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



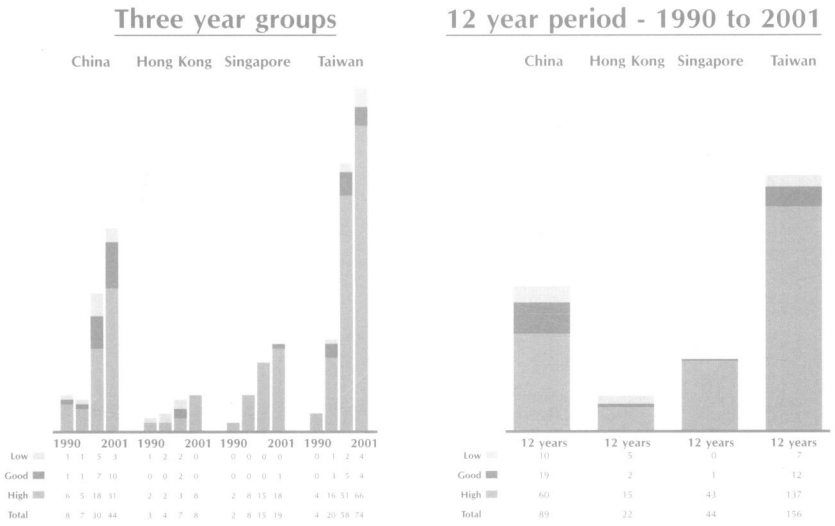
Infectious Diseases subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

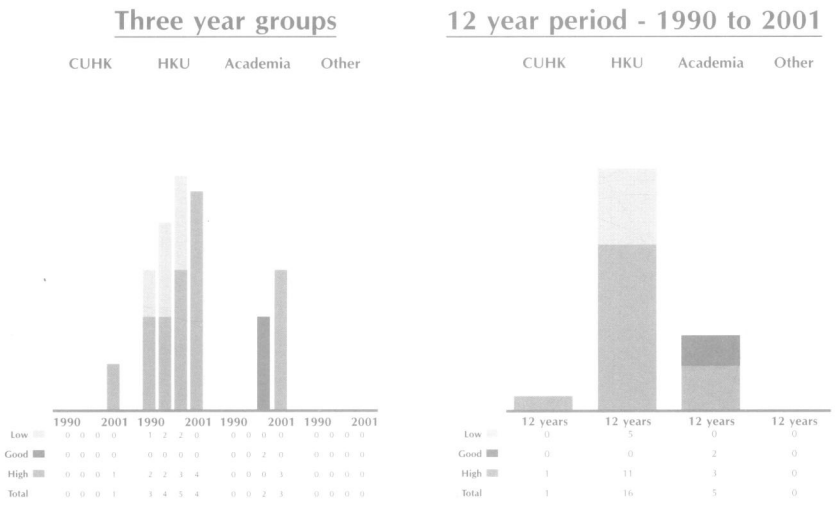
Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Infectious Diseases JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Infectious Diseases**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
AIDS	8.018	100.0	A	1	0	0	0	1
J INFECT DIS	4.988	97.2	A	9	4	5	39	57
EMERG INFECT DIS	4.907	94.4	A	0	1	0	2	3
ANTIVIR THER	4.510	91.7	A	0	0	0	0	0
INFECT IMMUN	4.204	88.9	A	2	3	2	23	30
MICROB DRUG RESIST	3.263	86.1	A	0	0	0	1	1
J ACQ IMMUN DEF SYND	3.046	83.3	A	0	0	0	2	2
SEX TRANSM DIS	3.021	80.6	A	5	3	3	2	13
CLIN INFECT DIS	2.972	77.8	A	0	0	1	0	1
J ANTIMICROB CHEMOTH	2.964	75.0	A	0	0	0	0	0
AIDS RES HUM RETROV	2.870	72.2	A	0	0	0	1	1
INFECT DIS CLIN N AM	2.631	69.4	A	0	0	0	0	0
PEDIATR INFECT DIS J	2.190	66.7	A	0	0	0	0	0
J VIRAL HEPATITIS	2.157	63.9	B	0	1	0	0	1
SEX TRANSM INFECT	2.136	61.1	B	1	0	0	0	1
INFECT CONT HOSP EP	2.082	58.3	B	0	1	0	0	1
INT J TUBERC LUNG D	2.011	55.6	B	0	1	0	0	1
DIAGN MICR INFEC DIS	1.932	52.8	B	0	0	0	0	0
J HOSP INFECT	1.812	50.0	B	0	16	7	10	33
CLIN DIAGN LAB IMMUN	1.796	47.2	B	0	1	0	0	1
EPIDEMIOL INFECT	1.775	44.4	B	0	0	0	0	0
AM J INFECT CONTROL	1.561	41.7	B	0	2	0	4	6
LEPROSY REV	1.343	38.9	B	1	0	0	0	1
EUR J CLIN MICROBIOL	1.337	36.1	B	0	0	0	0	0
INFECTION	1.254	33.3	B	0	2	0	15	17
SCAND J INFECT DIS	1.241	30.6	C	1	12	2	29	44
J INFECTION	1.188	27.8	C	0	16	9	15	40
INT J ANTIMICROB AG	1.141	25.0	C	0	0	0	1	1
INT J STD AIDS	1.019	22.2	C	1	5	12	3	21
CURR OPIN INFECT DIS	0.778	19.4	C	0	0	0	0	0
JPN J INFECT DIS	0.479	16.7	C	1	0	0	0	1
INFECT MED	0.420	13.9	C	0	0	0	0	0
ZBL HYG UMWELTMED	0.244	11.1	C	0	0	0	0	0
INFECT DIS CLIN PRAC	0.224	8.3	C	0	0	0	0	0
MED MALADIES INFECT	0.201	5.6	C	0	0	0	0	0
INT J HYG ENVIR HEAL	0.080	2.8	C	0	0	0	0	0
Total				**22**	**68**	**41**	**147**	**278**

Materials Science, Biomaterials

Number of full papers (with impact factor) in Medline





Materials Science, Biomaterials subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

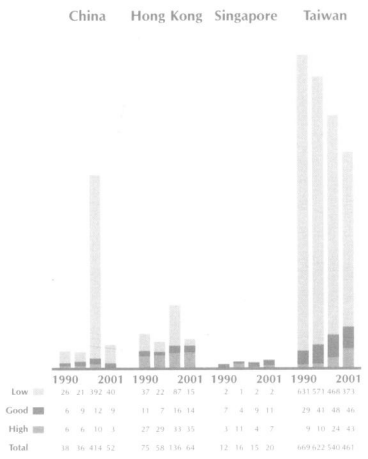
Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Materials Science, Biomaterials JCR subject category The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW)

Subject Category, Area **Materials Science, Biomaterials**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
J BIOMED MATER RES	1 900	100 0	A	33	3	15	70	121
BIOMATERIALS	1 796	90 0	A	27	3	23	59	112
J BIOMAT SCI POLYM E	1 669	80 0	A	0	0	0	1	1
DENT MATER	1 016	70 0	A	0	9	5	7	21
ARTIF CELL BLOOD SUB	0 685	60 0	B	16	2	0	11	29
J MATER SCI MATER M	0 621	50 0	B	0	0	0	0	0
J BIOMATER APPL	0 533	40 0	B	3	0	1	1	5
J BIOACT COMPAT POL	0 426	30 0	C	0	0	0	0	0
CELL POLYM	0 368	20 0	C	0	0	0	0	0
BIO MED MATER ENG	0 277	10 0	C	10	5	0	7	22
Total				**89**	**22**	**44**	**156**	**311**

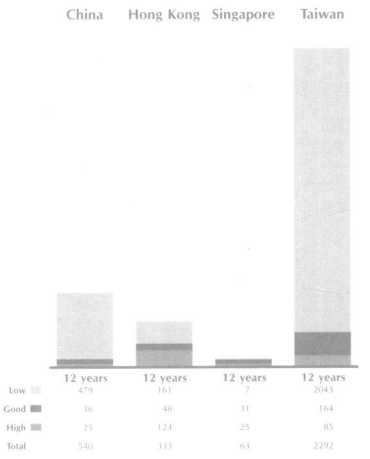
Medicine, General and Internal

Number of full papers (with impact factor) in Medline

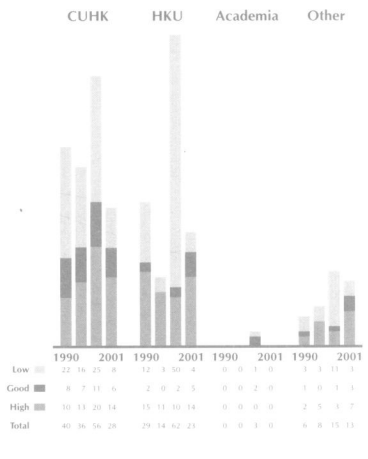
Three year groups



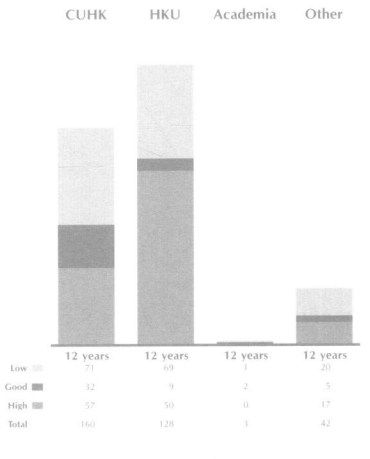
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



Medicine, General and Internal subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Medicine, General and Internal JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW). About 15 of the journals with the lowest IF with no publications have been omitted in the list.

Subject Category, Area **Medicine, General and Internal**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
NOVART FDN SYMP	99.999	100.0	A	0	0	0	0	0
NEW ENGL J MED	29.512	99.0	A	2	15	0	6	23
JAMA J AM MED ASSOC	15.402	98.1	A	3	7	1	4	15
LANCET	10.232	97.1	A	4	30	9	9	52
ANNU REV MED	9.891	96.2	A	0	1	0	0	1
ANN INTERN MED	9.833	95.2	A	2	3	0	4	9
ARCH INTERN MED	6.055	94.3	A	2	2	0	9	13
AM J MED	5.960	93.3	A	0	10	1	2	13
BRIT MED J	5.331	92.4	A	4	13	6	4	27
MEDICINE	4.623	91.4	A	0	0	0	2	2
AMYLOID	2.957	90.5	A	0	0	0	0	0
P ASSOC AM PHYSICIAN	2.881	89.5	A	1	0	0	0	1
J FAM PRACTICE	2.851	88.6	A	0	0	0	0	0
ANN MED	2.794	87.6	A	2	1	1	0	4
J GEN INTERN MED	2.421	86.7	A	0	0	0	0	0
CAN MED ASSOC J	2.352	85.7	A	1	1	0	0	2
J INTERN MED	2.273	84.8	A	1	4	0	7	12
ARCH FAM MED	2.262	83.8	A	0	0	1	0	1
J INVEST MED	2.255	82.9	A	0	0	0	1	1
QJM MON J ASSOC PHYS	2.252	81.9	A	0	9	1	9	19
MAYO CLIN PROC	2.242	81.0	A	0	0	1	2	3
AM J PREV MED	2.192	80.0	A	0	0	0	1	1
EUR J CLIN INVEST	2.071	79.0	A	0	0	0	1	1
PALLIATIVE MED	1.989	78.1	A	0	1	0	0	1
J LAB CLIN MED	1.978	77.1	A	0	0	0	0	0
MED J AUSTRALIA	1.928	76.2	A	1	8	0	0	9
BRIT MED BULL	1.869	75.2	A	0	1	0	0	1
J PAIN SYMPTOM MANAG	1.837	74.3	A	1	0	3	8	12
BRIT J GEN PRACT	1.627	73.3	A	0	0	1	0	1
PREV MED	1.557	72 4	A	0	0	0	1	1
AM J MED SCI	1.520	71.4	A	0	1	0	8	9
MED CLIN N AM	1.486	70.5	A	0	1	0	0	1
J WOMENS HEALTH	1.395	69.5	A	0	0	0	0	0
NEW ZEAL MED J	1 202	68.6	A	0	4	0	0	4
FAM PRACT	1.078	67.6	A	1	12	0	7	20
CURR MED RES OPIN	1.000	66 7	A	0	0	0	0	0
DAN MED BULL	0.914	65.7	B	0	0	0	0	0
AM FAM PHYSICIAN	0.888	64.8	B	0	0	0	1	1
CLEV CLIN J MED	0.827	63 8	B	0	0	2	0	2
DEUT MED WOCHENSCHR	0.788	62.9	B	0	1	0	0	1
J ROY COLL PHYS LOND	0.759	61.9	B	0	2	0	0	2
MED CLIN BARCELONA	0.750	61.0	B	0	0	0	0	0
POSTGRAD MED	0.722	60.0	B	0	0	0	0	0
NETH J MED	0.721	59.0	B	0	0	0	0	0
PRIMARY CARE	0.720	58.1	B	0	0	0	0	0
AVIAT SPACE ENVIR MD	0.658	57.1	B	0	0	0	0	0
WESTERN J MED	0.643	56.2	B	1	5	0	0	6
INTERNAL MED	0.643	55.2	B	0	0	0	3	3
AM J MANAGE CARE	0.642	54.3	B	0	0	0	0	0
MT SINAI J MED	0.628	53.3	B	0	0	0	0	0
SCAND J PRIM HEALTH	0.611	52.4	B	0	0	0	0	0
SOUTHERN MED J	0.593	51.4	B	1	0	1	6	8
AM J CHINESE MED	0.583	50.5	B	27	10	2	135	174
INT J CLIN PRACT	0.579	49.5	B	0	15	5	7	27
WIEN KLIN WOCHENSCHR	0.572	48.6	B	0	0	0	0	0
J NATL MED ASSOC	0.555	47.6	B	0	0	0	0	0
DM DIS MON	0.548	46.7	B	0	0	0	0	0
MIL MED	0.512	45.7	B	2	0	10	0	12
SCOT MED J	0.488	44.8	B	1	0	1	0	2

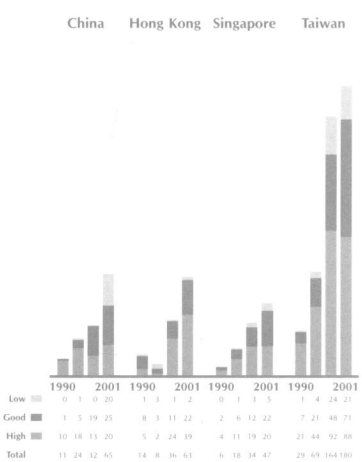
(continued)

Subject Category, Area **Medicine, General and Internal**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
S AFR MED J	0.461	43.8	B	0	0	0	4	4
JPN J MED SCI BIOL	0.444	42.9	B	4	0	0	6	10
PRESSE MED	0.441	41.9	B	0	0	0	0	0
ANN MED INTERNE	0.420	41.0	B	0	0	0	0	0
AUST NZ J MED	0.413	40.0	B	0	14	10	1	25
HOSP PRACT	0.412	39.0	B	0	0	0	0	0
CAN FAM PHYSICIAN	0.407	38.1	B	0	1	0	0	1
MED PROBL PERFORM AR	0.397	37.1	B	0	0	0	0	0
J WOMEN HEALTH GEN B	0.395	36.2	B	0	0	0	1	1
MED KLIN	0.390	35.2	B	0	0	0	0	0
INDIAN J MED RES	0.383	34.3	B	0	0	0	0	0
ACTA CLIN BELG	0.381	33.3	B	0	0	0	0	0
REV MED INTERNE	0.375	32.4	C	0	0	0	0	0
IRISH J MED SCI	0.353	30.5	C	0	0	0	0	0
J FORMOS MED ASSOC	0.353	31.4	C	4	0	0	2009	2013
HOSP MED	0.348	29.5	C	0	9	1	0	10
MEDICINA BUENOS AIRE	0.345	28.6	C	0	0	0	0	0
J URBAN HEALTH	0.345	27.6	C	0	0	0	0	0
POSTGRAD MED J	0.339	26.7	C	1	66	2	9	78
NATL MED J INDIA	0.333	25.7	C	0	1	0	0	1
YONSEI MED J	0.332	24.8	C	1	0	0	0	1
TOHOKU J EXP MED	0.328	23.8	C	0	0	0	1	1
REV MED CHILE	0.290	22.9	C	0	0	0	0	0
IRISH MED J	0.280	21.9	C	0	0	0	0	0
INTERNIST	0.277	21.0	C	0	0	0	0	0
J ROY SOC MED	0.270	20.0	C	0	3	2	0	5
SCHWEIZ MED WSCHR	0.258	19.0	C	1	1	0	0	2
E AFR MED J	0.199	15.2	C	2	0	0	0	2
CHINESE MED J PEKING	0.107	5.7	C	470	81	2	24	577
Total				**540**	**333**	**63**	**2292**	**3228**

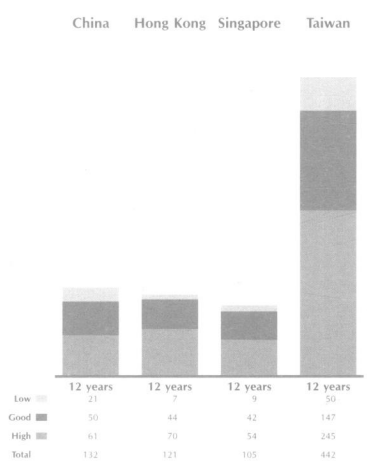
Microbiology

Number of full papers (with impact factor) in Medline

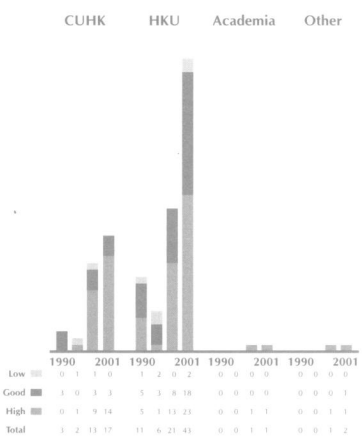
Three year groups



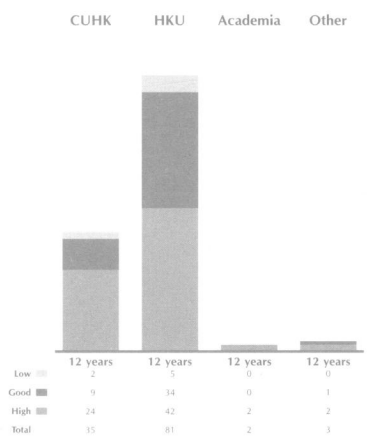
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



Microbiology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Microbiology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Microbiology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
MICROBIOL MOL BIOL R	20.639	100.0	A	0	0	0	0	0
CLIN MICROBIOL REV	12.141	98.8	A	0	1	0	0	1
ANNU REV MICROBIOL	9.238	97.6	A	0	0	0	0	0
FEMS MICROBIOL REV	6.367	96.4	A	0	0	0	0	0
MOL MICROBIOL	6.339	95.2	A	2	0	3	11	16
ADV MICROB PHYSIOL	6.095	94.0	A	0	0	0	0	0
TRENDS MICROBIOL	6.006	92.8	A	0	0	1	0	1
CURR OPIN MICROBIOL	5.435	91.6	A	0	0	0	0	0
ANTIMICROB AGENTS CH	3.954	90.4	A	0	0	0	0	0
J BACTERIOL	3.506	89.2	A	7	1	11	37	56
J CLIN MICROBIOL	3.503	88.0	A	23	39	8	91	161
CURR TOP MICROBIOL	3.463	86.7	A	1	0	0	0	1
CELL MICROBIOL	3.409	85.5	A	0	0	0	0	0
APPL ENVIRON MICROB	3.389	84.3	A	5	7	9	26	47
MICROB DRUG RESIST	3.263	83.1	A	0	0	0	1	1
CLIN INFECT DIS	2.972	81.9	A	4	16	5	50	75
J ANTIMICROB CHEMOTH	2.964	80.7	A	0	0	0	0	0
YEAST	2.825	79.5	A	0	0	0	1	1
ENVIRON MICROBIOL	2.740	78.3	A	0	0	0	0	0
MICROBIOL UK	2.732	77.1	A	0	3	11	17	31
MICROBIAL ECOL	2.703	75.9	A	0	0	0	0	0
EXTREMOPHILES	2.688	74.7	A	0	0	0	0	0
INT J SYST BACTERIOL	2.675	73.5	A	15	0	5	5	25
HELICOBACTER	2.639	72.3	A	1	3	1	0	5
ANTON LEEUW INT J G	2.555	71.1	A	3	0	0	0	3
FEMS MICROBIOL ECOL	2.439	69.9	A	0	0	0	0	0
PROTIST	2.351	68.7	A	0	0	0	0	0
MICROB PATHOGENESIS	2.144	67.5	A	0	0	0	6	6
SYST APPL MICROBIOL	2.060	66.3	B	1	0	0	0	1
ARCH MICROBIOL	2.056	65.1	B	1	0	1	5	7
DIAGN MICR INFEC DIS	1.932	63.9	B	4	12	0	29	45
CRIT REV MICROBIOL	1.917	62.7	B	0	0	0	0	0
INT J FOOD MICROBIOL	1.848	61.4	B	0	0	0	15	15
CLIN DIAGN LAB IMMUN	1.796	60.2	B	3	4	3	3	13
APMIS	1.713	59.0	B	0	1	0	0	1
MED MICROBIOL IMMUN	1.672	57.8	B	0	0	1	0	1
RES MICROBIOL	1.631	56.6	B	1	2	1	0	4
J MED MICROBIOL	1.625	55.4	B	4	12	5	11	32
FEMS MICROBIOL LETT	1.615	54.2	B	10	3	20	17	50
J EUKARYOT MICROBIOL	1.519	53.0	B	0	0	0	2	2
J MICROBIOL METH	1.512	51.8	B	1	1	0	1	3
J APPL MICROBIOL	1.511	50.6	B	6	2	4	13	25
VET MICROBIOL	1.428	49.4	B	0	0	0	0	0
ORAL MICROBIOL IMMUN	1.419	48.2	B	1	4	0	1	6
J ANTIBIOT	1.347	47.0	B	0	0	0	0	0
EUR J CLIN MICROBIOL	1.337	45.8	B	0	3	1	12	16
FOOD MICROBIOL	1.272	44.6	B	0	0	0	0	0
FEMS IMMUNOL MED MIC	1.244	43.4	B	1	0	1	0	2
LETT APPL MICROBIOL	1.154	42.2	B	7	0	2	13	22
INT J ANTIMICROB AG	1.141	41.0	B	0	0	0	1	1
INT J LEPROSY	1.114	39.8	B	0	0	0	0	0
CAN J MICROBIOL	1.105	38.6	B	0	0	3	8	11
MICROBES INFECT	1.101	37.3	B	0	0	0	0	0
J MICROBIOL BIOTECHN	1.083	36.1	B	0	0	0	0	0
MICROBIOL IMMUNOL	1.070	34.9	B	10	0	0	16	26
B I PASTEUR	1.045	33.7	B	0	0	0	0	0
CURR MICROBIOL	1.029	32.5	C	13	0	0	26	39
ADV MICROB ECOL	1.000	31.3	C	0	0	0	0	0
COMP IMMUNOL	0.902	30.1	C	0	0	0	1	1
MICROB	0.891	28.9	C	0	0	0	0	0

(continued)

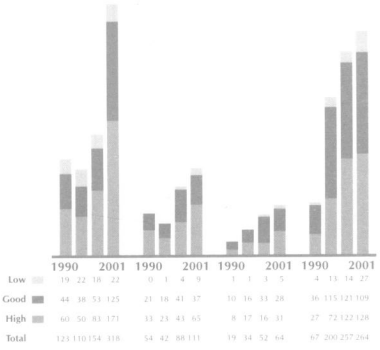
Subject Category Area **Microbiology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
EUR J PROTISTOL	0 813	27 7	C	0	0	0	0	0
REV MED MICROBIOL	0 778	26 5	C	0	0	0	0	0
FOLIA MICROBIOL	0 752	25 3	C	0	0	0	1	1
ACTA PROTOZOOL	0 737	24 1	C	0	0	0	0	0
ASM NEWS	0 617	22 9	C	0	0	0	0	0
J BASIC MICROB	0 613	21 7	C	0	0	0	2	2
ZBL BAKT INT J MED M	0 599	20 5	C	0	1	0	0	1
J GEN APPL MICROBIOL	0 573	19 3	C	0	0	0	0	0
MICROBIOS	0 508	18 1	C	0	5	6	18	29
METHOD MICROBIOL	0 484	16 9	C	0	0	0	0	0
MICROBIOLOGICA	0 422	15 7	C	0	0	0	0	0
ANAEROBE	0 410	14 5	C	0	0	0	0	0
J ENDOTOXIN RES	0 388	13 3	C	0	0	0	0	0
MICROBIOL RES	0 382	12 0	C	0	0	0	1	1
MICROBIOLOGY+	0 338	10 8	C	0	0	0	0	0
INT J SYST EVOL MICR	0 305	9 6	C	8	0	3	1	12
APPL BIOCHEM MICRO+	0 244	7 2	C	0	0	0	0	0
ZBL HYG UMWELTMED	0 244	8 4	C	0	0	0	0	0
ANN MICROBIOL	0 237	6 0	C	0	0	0	0	0
J MICROBIOL	0 185	4 8	C	0	0	0	0	0
INT J MED MICROBIOL	0 125	3 6	C	0	0	0	0	0
ADV APPL MICROBIOL	0 111	2 4	C	0	1	0	0	1
REV MICROBIOL	0 073	1 2	C	0	0	0	0	0
Total				**132**	**121**	**105**	**442**	**800**

Neurosciences

Number of full papers (with impact factor) in Medline

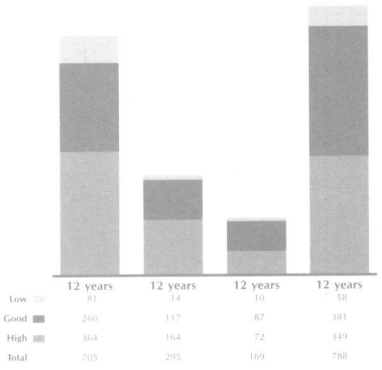
Three year groups

China Hong Kong Singapore Taiwan



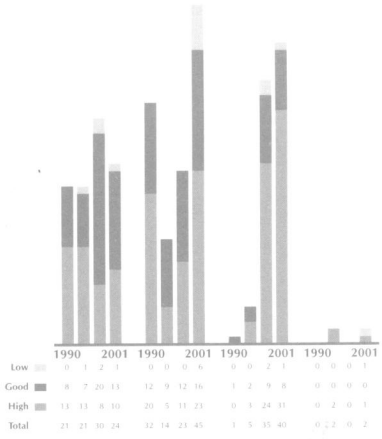
12 year period - 1990 to 2001

China Hong Kong Singapore Taiwan



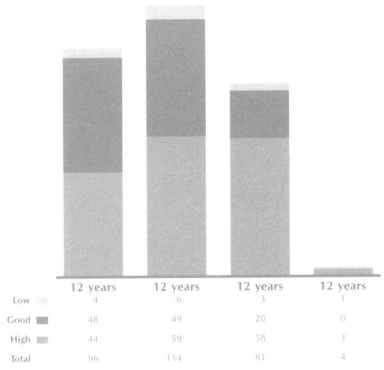
Three year groups

CUHK HKU Academia Other



12 year period - 1990 to 2001

CUHK HKU Academia Other



Neurosciences subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Neurosciences JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Neurosciences**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ANNU REV NEUROSCI	26.676	100.0	A	0	0	0	0	0
TRENDS NEUROSCI	17.417	99.5	A	0	0	0	0	0
NEURON	15.081	99.0	A	0	0	1	3	4
BEHAV BRAIN SCI	14.250	98.5	A	0	0	0	0	0
NAT NEUROSCI	12.636	98.0	A	0	1	0	0	1
PROG NEUROBIOL	9.933	97.5	A	0	0	0	1	1
CURR OPIN NEUROBIOL	9.277	97.0	A	0	0	0	0	0
BRAIN RES REV	9.212	96.6	A	1	2	0	0	3
MOL PSYCHIATR	8.927	96.1	A	0	0	0	1	1
J NEUROSCI	8.502	95.6	A	3	2	1	12	18
ANN NEUROL	8.480	95.1	A	2	0	1	6	9
FRONT NEUROENDOCRIN	8.375	94.6	A	0	0	0	0	0
CRIT REV NEUROBIOL	7.778	94.1	A	0	0	0	0	0
BRAIN	7.303	93.6	A	0	0	0	0	0
NEUROIMAGE	6.857	93.1	A	0	1	0	0	1
BRAIN PATHOL	6.435	92.6	A	0	0	0	0	0
J CEREBR BLOOD F MET	5.926	92.1	A	0	0	0	5	5
MOL CELL NEUROSCI	5.746	91.6	A	1	8	0	0	9
J NEUROPATH EXP NEUR	5.565	91.1	A	0	0	0	1	1
NEUROBIOL DIS	5.333	90.6	A	0	0	0	0	0
HUM BRAIN MAPP	5.163	90.1	A	1	0	0	0	1
J COGNITIVE NEUROSCI	5.115	89.7	A	0	0	0	0	0
J NEUROCHEM	4.900	89.2	A	6	18	1	52	77
CEREB CORTEX	4.822	88.7	A	4	0	0	0	4
HIPPOCAMPUS	4.683	88 2	A	2	0	0	2	4
NEUROPSYCHOPHARMACOL	4.579	87.7	A	0	0	0	0	0
MOL NEUROBIOL	4.382	87.2	A	0	1	0	0	1
PAIN FORUM	4.320	86.7	A	0	0	0	0	0
BIOL PSYCHIAT	4.269	86.2	A	0	0	0	0	0
NEUROBIOL AGING	4.159	85 7	A	1	0	0	0	1
NEUROPHARMACOLOGY	4.125	85.2	A	0	0	0	0	0
LEARN MEMORY	4.011	84.7	A	3	0	0	1	4
GLIA	3.932	84 2	A	1	4	4	7	16
EUR J NEUROSCI	3.862	83 7	A	12	5	0	8	25
EXP NEUROL	3.858	83 3	A	1	2	4	12	19
J NEUROPHYSIOL	3.855	82 8	A	1	0	0	0	1
PAIN	3.853	82 3	A	14	0	1	10	25
J PINEAL RES	3.779	81 8	A	0	0	0	0	0
J COMP NEUROL	3.772	81 3	A	0	1	0	0	1
NEUROSCIENCE	3.563	80 8	A	31	21	15	42	109
EVOKED POTENTIAL	3.470	80 3	A	0	0	0	0	0
J NEUROBIOL	3.465	79.8	A	2	0	0	1	3
SYNAPSE	3.402	79 3	A	2	0	0	20	22
REV NEUROSCI	3 400	78.8	A	0	0	0	1	1
J NEUROVIROL	3.397	78.3	A	0	0	0	0	0
NEUROSCI BIOBEHAV R	3.382	77.8	A	0	0	1	0	1
J NEUROIMMUNOL	3.355	77.3	A	4	0	0	4	8
J NEUROSCI RES	3.207	76.8	A	11	5	4	13	33
CURR OPIN NEUROL	3.176	76.4	A	0	0	0	0	0
NEUROBIOL LEARN MEM	3.040	75.9	A	0	0	0	0	0
PSYCHONEUROENDOCRINO	3.008	75.4	A	0	0	0	1	1
INT REV NEUROBIOL	2.944	74.9	A	0	0	0	0	0
J NEUROTRAUM	2.877	74.4	A	0	1	1	0	2
PSYCHOPHARMACOLOGY	2.804	73.9	A	0	0	0	0	0
NEUROPSYCHOLOGIA	2.778	73.4	A	1	0	0	2	3
BEHAV NEUROSCI	2.751	72.9	A	0	0	0	1	1
NEUROENDOCRINOLOGY	2.744	72.4	A	9	15	1	14	39
COGNITIVE BRAIN RES	2.733	71.9	A	0	0	0	0	0
NEUROMUSCULAR DISORD	2.718	71.4	A	1	1	0	1	3
NEUROPSYCHOLOGY	2.702	70.9	A	0	0	0	1	1
NEUROIMMUNOMODULAT	2.701	70.4	A	5	0	0	0	5
NEUROREPORT	2.696	70.0	A	67	31	10	28	136
NEUROCHEM INT	2.662	69.5	A	3	5	1	9	18
MOL BRAIN RES	2.622	69.0	A	7	3	4	12	26

(continued)

Subject Category, Area **Neurosciences**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
PSYCHIATR GENET	2.609	68.5	A	0	0	0	2	2
J NEUROENDOCRINOL	2.598	68.0	A	2	2	2	2	8
BRAIN RES	2.526	67.5	A	166	35	19	74	294
NEUROPATH APPL NEURO	2.523	67.0	A	0	0	1	0	1
DEV NEUROSCI BASEL	2.523	66.5	B	0	3	0	2	5
PROG BRAIN RES	2.520	66.0	B	5	2	3	1	11
ACTA NEUROPATHOL	2.446	65.5	B	1	0	0	0	1
CEPHALALGIA	2.391	65.0	B	1	0	0	3	4
AUDIOL NEURO OTOL	2.390	64.5	B	0	0	0	1	1
J COMPUT NEUROSCI	2.346	64.0	B	0	0	0	0	0
NEURAL PLAST	2.333	63.5	B	0	0	0	0	0
J PSYCHOPHARMACOL	2.328	63.1	B	0	0	0	0	0
BEHAV BRAIN RES	2.263	62.6	B	5	0	0	1	6
BRAIN BEHAV IMMUN	2.184	62.1	B	2	0	0	0	2
CHEM SENSES	2.176	61.6	B	0	1	0	0	1
J CLIN NEUROPHYSIOL	2.173	61.1	B	0	1	0	4	5
VISUAL NEUROSCI	2.149	60.6	B	1	0	0	0	1
J CHEM NEUROANAT	2.141	60.1	B	1	1	0	1	3
J NEUROPSYCH CLIN N	2.140	59.6	B	1	0	0	0	1
EXP BRAIN RES	2.137	59.1	B	6	13	15	11	45
BEHAV PHARMACOL	2.111	58.6	B	1	0	0	0	1
J NEURAL TRANSM SUPP	2.106	58.1	B	0	1	1	0	2
CELL MOL NEUROBIOL	2.093	57.6	B	0	3	3	3	9
NEUROSCI LETT	2.091	57.1	B	116	54	26	177	373
NEUROGASTROENT MOTIL	2.081	56.7	B	0	0	0	1	1
EUR NEUROPSYCHOPHARM	2.045	56.2	B	0	0	0	1	1
J PSYCHIATR NEUROSCI	2.039	55.7	B	0	0	0	0	0
J SLEEP RES	2.022	55.2	B	0	1	0	0	1
VISION RES	2.000	54.7	B	1	0	0	0	1
MUSCLE NERVE	1.969	54.2	B	1	0	2	19	22
J NEUROGENET	1.938	53.7	B	0	0	0	0	0
NEUROSCIENTIST	1.918	53.2	B	0	0	0	0	0
NEUROCHEM RES	1.858	52.7	B	5	3	3	9	20
DEV BRAIN RES	1.827	52.2	B	5	4	0	4	13
NEUROSCI RES	1.807	51.7	B	20	0	10	20	50
J NEURAL TRANSM	1.785	51.2	B	0	5	0	0	5
J MOL NEUROSCI	1.765	50.7	B	1	0	1	2	4
BRAIN RES BULL	1.758	50.2	B	37	2	1	29	69
HEARING RES	1.753	49.8	B	0	0	0	0	0
NEUROTOXICOLOGY	1.740	49.3	B	0	0	0	1	1
PHARMACOL BIOCHEM BE	1.732	48.8	B	0	0	0	0	0
J NEUROL SCI	1.678	48.3	B	1	5	3	25	34
CLIN NEUROPHYSIOL	1.672	47.8	B	3	0	0	6	9
SEMIN NEUROSCI	1.667	47.3	B	0	0	0	0	0
INT J DEV NEUROSCI	1.583	46.8	B	0	1	0	0	1
CNS DRUGS	1.562	46.3	B	0	0	0	0	0
NEUROPSYCHOBIOLOGY	1.560	45.8	B	0	0	0	1	1
NEUROTOXICOL TERATOL	1.514	45.3	B	0	0	0	0	0
ELECTROMYOGR MOTOR C	1.500	44.8	B	0	0	0	0	0
J COMP PHYSIOL A	1.496	44.3	B	1	0	0	0	1
INT J PSYCHOPHYSIOL	1.489	43.8	B	0	0	0	0	0
J NEUROSCI METH	1.477	43.3	B	7	2	1	14	24
BRAIN LANG	1.473	42.9	B	2	2	0	1	5
NEUROPEPTIDES	1.413	42.4	B	14	6	0	0	20
METAB BRAIN DIS	1.411	41.9	B	0	0	0	0	0
J AUTONOM NERV SYST	1.386	41.4	B	4	1	3	31	39
CORTEX	1.382	40.9	B	0	1	0	2	3
BRAIN BEHAV EVOLUT	1.381	40.4	B	7	0	0	1	8
J PHYSIOL PARIS	1.339	39.9	B	0	1	0	0	1
INT J NEUROPSYCHOPH	1.323	39.4	B	0	0	0	0	0
NEUROPSYCHOL REV	1.250	38.9	B	0	0	0	0	0
J NEUROCYTOL	1.231	38.4	B	0	4	13	3	20
BIOL CYBERN	1.185	37.9	B	8	0	1	1	10
MOL CHEM NEUROPATHOL	1.163	37.4	B	0	0	0	0	0
J ELECTROMYOGR KINES	1.146	36.9	B	0	0	0	1	1
J MOTOR BEHAV	1.141	36.5	B	0	0	0	0	0
SEIZURE EUR J EPILEP	1.127	36.0	B	0	0	0	2	2
J VESTIBUL RES EQUIL	1.116	35.5	B	1	0	0	0	1
NEUROIMAG CLIN N AM	1.095	35.0	B	0	0	1	0	1
PROG NEURO PSYCHOPH	1.078	34.5	B	0	0	0	1	1
BRAIN RES PROTOC	1.067	34.0	B	1	0	0	1	2

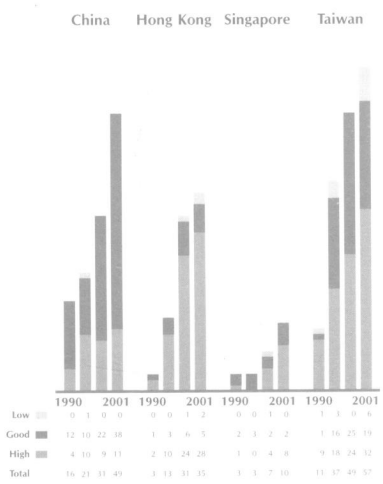
(continued)

Subject Category Area **Neurosciences**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
J PERIPHER NERV SYST	1 038	33 5	B	1	0	0	1	2
EUR NEUROL	1 000	33 0	C	4	0	1	33	38
ADV NEUROL	0 968	32 5	C	0	0	1	2	3
GAIT POSTURE	0 955	32 0	C	0	0	0	1	1
EUR J NEUROL	0 952	31 5	C	0	1	0	0	1
CLIN AUTON RES	0 942	31 0	C	0	2	0	3	5
ZBL NEUROCHIR	0 939	30 5	C	0	0	0	0	0
SOMATOSENS MOT RES	0 931	30 0	C	1	0	0	0	1
BRAIN INJURY	0 914	29 6	C	0	7	2	3	12
RESTOR NEUROL NEUROS	0 911	29 1	C	0	0	0	0	0
NEUROL CLIN	0 896	28 6	C	0	0	0	0	0
NEUROL RES	0 866	28 1	C	5	0	1	2	8
ARCH ITAL BIOL	0 837	27 6	C	0	0	0	0	0
NETWORK COMP NEURAL	0 836	27 1	C	1	0	0	0	1
HUM MOVEMENT SCI	0 805	26 6	C	0	0	0	0	0
MENT RETARD DEV D R	0 800	26 1	C	0	0	0	0	0
J AUTON PHARMACOL	0 777	25 6	C	0	0	0	1	1
FUNCT NEUROL	0 710	25 1	C	1	0	0	0	1
ACTA NEUROL BELG	0 697	24 6	C	0	0	0	1	1
J PSYCHOPHYSIOL	0 685	24 1	C	0	0	0	0	0
NEUROPSYCHOL REHABIL	0 667	23 6	C	0	0	0	0	0
STEREOT FUNCT NEUROS	0 657	23 2	C	1	0	0	0	1
NAT REV NEUROSCI	0 647	22 7	C	0	0	0	0	0
ACTA NEUROBIOL EXP	0 631	22 2	C	0	0	0	0	0
BRAIN COGNITION	0 630	21 7	C	1	0	0	0	1
NEUROSCI RES COMMUN	0 538	21 2	C	0	0	0	0	0
INT J NEUROSCI	0 527	20 7	C	17	1	3	0	21
NEUROPHYSIOL CLIN	0 516	20 2	C	0	0	0	0	0
J NEUROLINGUIST	0 514	19 7	C	0	0	0	0	0
EUR J PAIN LONDON	0 507	19 2	C	1	0	0	0	1
NEUROSURG QUART	0 500	18 7	C	0	0	0	0	0
J PAIN	0 486	18 2	C	0	0	0	0	0
PSYCHIAT CLIN NEUROS	0 452	17 7	C	0	0	0	1	1
ACUPUNCTURE ELECTRO	0 444	17 2	C	46	0	0	1	47
NEUROPSYCHIATRIE	0 387	16 7	C	0	0	0	0	0
ZH VYSSH NERV DEYAT+	0 374	16 3	C	0	0	0	0	0
NEURAL PROCESS LETT	0 365	15 8	C	0	0	0	0	0
PAIN CLINIC	0 310	15 3	C	0	0	0	0	0
ACTAS LUSO ESP NEUR	0 302	14 8	C	0	0	0	0	0
AKTUEL NEUROL	0 296	14 3	C	0	0	0	0	0
REV NEUROPSYCHOL	0 286	13 8	C	0	0	0	0	0
J BRAIN RES	0 279	13 3	C	0	0	0	0	0
NEUROL PSYCHIAT BR	0 278	12 8	C	0	0	0	0	0
ENCEPHALE	0 262	12 3	C	0	0	0	0	0
FOLIA NEUROPATHOL	0 258	11 8	C	0	0	0	0	0
INTEGR PHYS BEH SCI	0 250	11 3	C	0	0	0	0	0
CRIT REV NEUROSURG	0 233	10 8	C	0	0	0	0	0
ARQ NEURO PSIQUIAT	0 197	10 3	C	0	0	0	0	0
J CLIN NEUROSCI	0 178	9 9	C	2	3	2	3	10
ITAL J NEUROL SCI	0 162	9 4	C	0	0	0	0	0
NEUROL SURG TOKYO	0 156	8 9	C	0	0	0	0	0
NEUROCIRUGIA	0 154	8 4	C	0	0	0	0	0
HEADACHE Q CURR TREA	0 130	7 9	C	0	0	0	0	0
SAGGI	0 111	7 4	C	0	0	0	0	0
REV ECUAT NEUROL	0 106	6 9	C	0	0	0	0	0
JNMS J NEUROMUSC SYS	0 103	6 4	C	0	0	0	0	0
ACTAS ESP PSIQUIATRI	0 098	5 9	C	0	0	0	0	0
NEUROL INDIA	0 092	5 4	C	0	0	0	0	0
NEUROL SCI	0 087	4 9	C	0	0	0	0	0
AM J ELECTRONEUROD T	0 065	4 4	C	0	0	0	0	0
CESK SLOV NEUROL N	0 059	3 9	C	0	0	0	0	0
ANAE	0 051	3 0	C	0	0	0	0	0
RIV NEURORADIOL	0 051	3 4	C	0	0	0	0	0
CONFIN CEPHALALGICA	0 045	2 5	C	0	0	0	0	0
ACTA NEUROPSYCHIATR	0 036	2 0	C	0	0	0	0	0
NEUROPHYSIOLOGY+	0 027	1 5	C	0	0	0	0	0
AUTON NEUROSCI BASIC	0 012	1 0	C	1	0	0	7	8
GIORN NEUROPSICOFARM	0 000	0 5	C	0	0	0	0	0
Total				**705**	**295**	**169**	**788**	**1957**

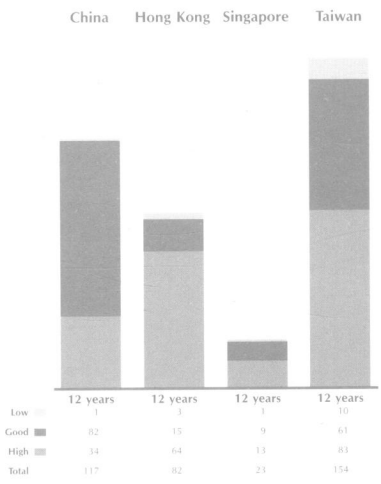
Nutrition and Dietetics

Number of full papers (with impact factor) in Medline

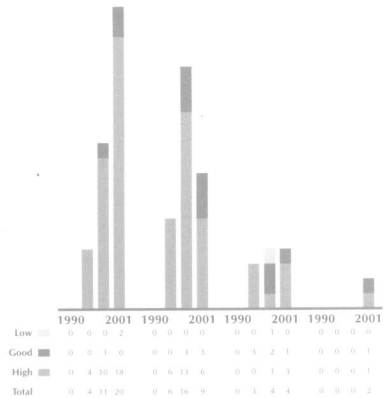
Three year groups



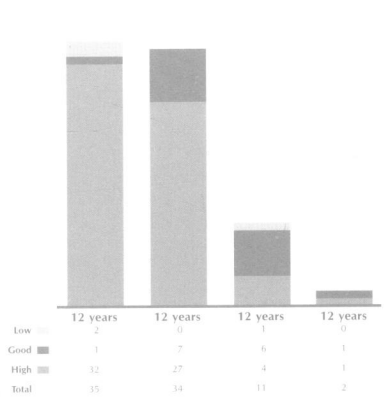
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



Nutrition and Dietetics subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the Journal Citation Reports (JCR) 2000 version for Nutrition and Dietetics JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

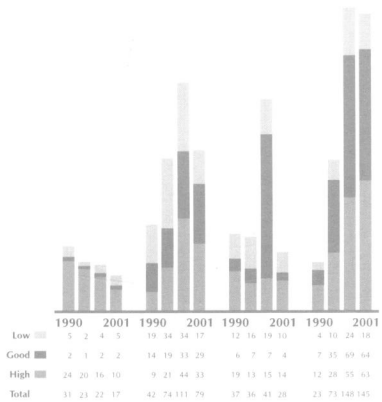
Subject Category, Area **Nutrition and Dietetics**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ANNU REV NUTR	7.071	100.0	A	0	0	0	0	0
PROG LIPID RES	5.379	98.0	A	0	1	0	0	1
AM J CLIN NUTR	5.012	96.1	A	9	4	3	6	22
OBES RES	4.656	94.1	A	0	0	0	1	1
NUTR REV	3.126	92.2	A	3	0	3	0	6
INT J OBESITY	2.982	90.2	A	0	6	3	8	17
J NUTR	2.913	88.2	A	4	9	0	34	47
CRIT REV FOOD SCI	2.730	86.3	A	0	0	0	0	0
BRIT J NUTR	2.415	84.3	A	6	5	2	6	19
P NUTR SOC	2.330	82.4	A	0	1	0	0	1
EUR J CLIN NUTR	2.171	80.4	A	6	14	1	2	23
NUTR RES REV	2.160	78.4	A	0	0	0	0	0
EUR J NUTR	2.059	76.5	A	0	1	0	0	1
NUTR CANCER	2.016	74.5	A	0	0	0	0	0
LIPIDS	1.769	72.5	A	1	21	1	6	29
JPEN PARENTER ENTER	1.580	70.6	A	4	1	0	11	16
J PEDIATR GASTR NUTR	1.580	68.6	A	0	0	0	0	0
J AM COLL NUTR	1.564	66.7	A	1	1	0	9	11
NUTRITION	1.509	64.7	B	5	1	0	11	17
CLIN NUTR	1.387	62.7	B	1	0	0	4	5
REPROD NUTR DEV	1.351	60.8	B	0	0	1	0	1
INT J EAT DISORDER	1.336	58.8	B	0	1	0	0	1
INT J VITAM NUTR RES	1.299	56.9	B	0	0	0	5	5
FOOD REV INT	1.237	54.9	B	0	0	0	0	0
INT J SPORT NUTR	1.222	52.9	B	0	0	0	0	0
APPETITE	1.217	51.0	B	0	1	0	0	1
Z ERNAHRUNGSWISS	1.179	49.0	B	1	0	0	0	1
J AM DIET ASSOC	1.142	47 1	B	1	1	1	4	7
J NUTR BIOCHEM	1.083	45.1	B	0	0	0	0	0
DIABETES NUTR METAB	0.964	43.1	B	0	0	0	1	1
NUTR METAB CARDIOVAS	0.959	41.2	B	0	0	0	0	0
FOOD CHEM	0 921	39.2	B	0	0	0	0	0
BIOL TRACE ELEM RES	0.786	37.3	B	74	11	7	36	128
FOOD DRUG LAW J	0 771	35.3	B	0	0	0	0	0
NUTR RES	0.716	33.3	B	0	0	0	0	0
ANN NUTR METAB	0.655	31.4	C	0	0	0	0	0
J NUTR SCI VITAMINOL	0.653	29 4	C	1	0	0	9	10
INT J FOOD SCI NUTR	0 545	27.5	C	0	3	1	1	5
ECOL FOOD NUTR	0.375	25.5	C	0	0	0	0	0
FOOD POLICY	0 306	23.5	C	0	0	0	0	0
J NUTR EDUC	0.298	21.6	C	0	0	0	0	0
J HUM NUTR DIET	0.275	19.6	C	0	0	0	0	0
ACTA ALIMENT HUNG	0.246	17.6	C	0	0	0	0	0
ERNAHRUNGS UMSCHAU	0.213	15.7	C	0	0	0	0	0
J CLIN BIOCHEM NUTR	0.189	13.7	C	0	0	0	0	0
NIPPON NOGEIK KAISHI	0.152	11.8	C	0	0	0	0	0
PLANT FOOD HUM NUTR	0.133	9.8	C	0	0	0	0	0
OCL OL CORPS GRAS LI	0.108	7.8	C	0	0	0	0	0
ARCH LATINOAM NUTR	0.101	5.9	C	0	0	0	0	0
CAN J DIET PRACT RES	0.094	3.9	C	0	0	0	0	0
Total				**117**	**82**	**23**	**154**	**376**

Obstetrics and Gynecology

Number of full papers (with impact factor) in Medline

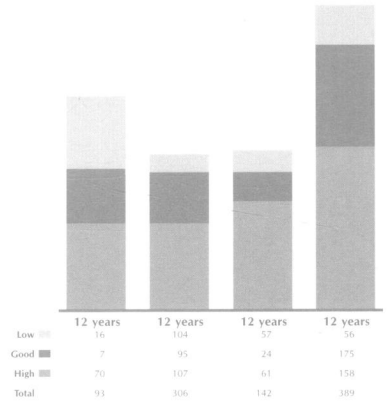
Three year groups

China Hong Kong Singapore Taiwan



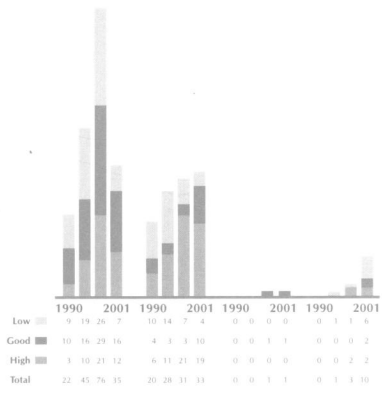
12 year period - 1990 to 2001

China Hong Kong Singapore Taiwan



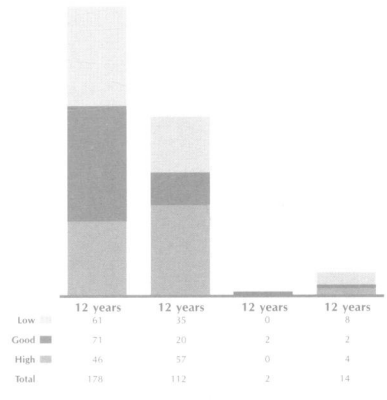
Three year groups

CUHK HKU Academia Other



12 year period - 1990 to 2001

CUHK HKU Academia Other



Obstetrics and Gynecology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Obstetrics and Gynecology JCR subject category The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW)

Subject Category Area **Obstetrics and Gynecology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
HUM REPROD	2 997	100 0	A	0	0	0	0	0
HUM REPROD UPDATE	2 887	98 2	A	0	0	1	0	1
FERTIL STERIL	2 854	96 5	A	0	0	0	0	0
PLACENTA	2 587	94 7	A	0	1	0	0	1
AM J OBSTET GYNECOL	2 519	93 0	A	1	11	2	22	36
BRIT J OBSTET GYNAEC	2 349	91 2	A	1	21	10	9	41
MENOPAUSE	2 273	89 5	A	0	0	0	1	1
J SOC GYNECOL INVEST	2 184	87 7	A	0	1	0	0	1
OBSTET GYNECOL	2 091	86 0	A	4	13	12	28	57
GYNECOL ONCOL	1 972	84 2	A	0	0	0	0	0
SEMIN REPROD ENDOCR	1 952	82 5	A	0	0	0	0	0
SEMIN PERINATOL	1 808	80 7	A	0	1	0	0	1
ULTRASOUND OBST GYN	1 725	78 9	A	0	0	0	1	1
CONTRACEPTION	1 704	77 2	A	62	14	15	2	93
PRENATAL DIAG	1 647	75 4	A	1	26	3	62	92
INT J GYNECOL PATHOL	1 508	73 7	A	0	0	0	1	1
J ASSIST REPROD GEN	1 416	71 9	A	1	9	6	31	47
MATURITAS	1 402	70 2	A	0	7	6	1	14
CURR OPIN OBSTET GYN	1 387	68 4	A	0	3	5	0	8
CLIN PERINATOL	1 360	66 7	A	0	0	1	0	1
INT J OBSTET ANESTH	1 274	64 9	B	0	0	0	0	0
J AM ASSOC GYN LAP	1 268	63 2	B	0	2	0	30	32
PAEDIATR PERINAT EP	1 265	61 4	B	0	1	0	0	1
BIRTH ISS PERINAT C	1 250	59 6	B	0	1	0	0	1
GYNECOL ENDOCRINOL	1 107	57 9	B	1	0	4	3	8
ACTA OBSTET GYN SCAN	1 028	56 1	B	2	34	5	54	95
ARCH GYNECOL OBSTET	1 000	54 4	B	0	9	0	7	16
EARLY HUM DEV	0 982	52 6	B	0	0	0	0	0
J PERINAT MED	0 950	50 9	B	0	1	0	0	1
BAILLIERE CLIN OB GY	0 944	49 1	B	0	1	0	0	1
FETAL DIAGN THER	0 879	47 4	B	0	0	1	8	9
J REPROD MED	0 820	45 6	B	1	9	0	54	64
CLIN OBSTET GYNECOL	0 810	43 9	B	0	0	0	0	0
HYPERTENS PREGNANCY	0 750	42 1	B	0	1	0	0	1
EUR J OBSTET GYN R B	0 703	40 4	B	0	0	0	0	0
OBSTET GYN CLIN N AM	0 670	38 6	B	0	0	0	0	0
INT J GYNECOL CANCER	0 663	36 8	B	0	0	0	1	1
GYNECOL OBSTET INVES	0 662	35 1	B	2	35	13	17	67
INT J FERTIL WOMEN M	0 633	33 3	B	1	1	1	1	4
AM J PERINAT	0 616	31 6	C	0	0	0	1	1
BREAST	0 588	29 8	C	0	0	0	0	0
EUR J GYNAECOL ONCOL	0 551	28 1	C	0	1	0	0	1
ANN CHIR GYNAECOL	0 550	26 3	C	0	1	0	0	1
PRENAT NEONAT MED	0 544	24 6	C	0	0	0	0	0
J PSYCHOSOM OBST GYN	0 529	22 8	C	0	1	0	0	1
AUST NZ J OBSTET GYN	0 523	21 1	C	0	83	40	0	123
ADV CONTRACEPT	0 509	19 3	C	0	0	0	0	0
INT J GYNECOL OBSTET	0 490	17 5	C	16	18	17	54	105
GYNAECOL ENDOSC	0 485	15 8	C	0	0	0	0	0
J MATERN FETAL INVES	0 400	14 0	C	0	0	0	0	0
J WOMEN HEALTH GEN B	0 395	12 3	C	0	0	0	1	1
Z GEBURTSH NEONATOL	0 248	10 5	C	0	0	0	0	0
GYNAKOL GEBURT RUNDS	0 228	8 8	C	0	0	0	0	0
GYNAKOLOGE	0 206	7 0	C	0	0	0	0	0
GEBURTSH FRAUENHEILK	0 204	5 3	C	0	0	0	0	0
CONTRACEPT FERTIL S	0 171	3 5	C	0	0	0	0	0
BEST PRACT RES CL OB	0 128	1 8	C	0	0	0	0	0
Total				**93**	**306**	**142**	**389**	**930**

Oncology

Number of full papers (with impact factor) in Medline

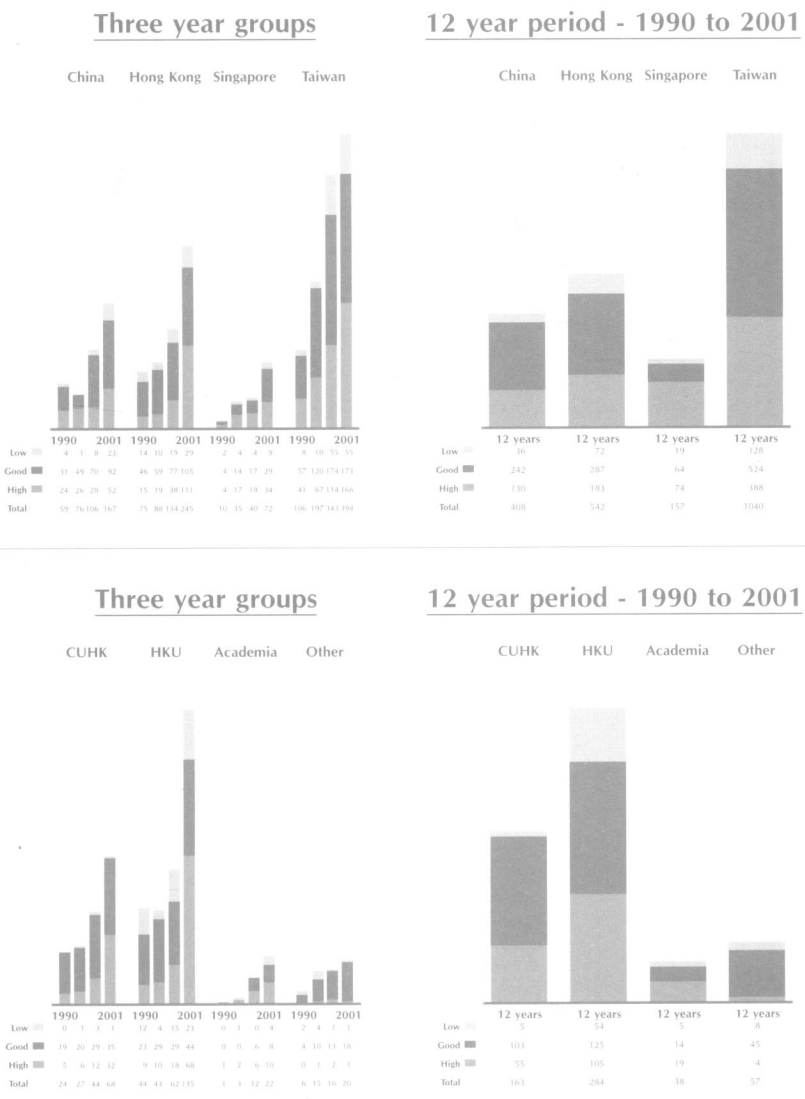


Figure. Oncology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Oncology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW). About 10 of the journals with the lowest IF with no publications have been omitted in the list.

Subject Category, Area **Oncology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
CA CANCER J CLIN	24.674	100.0	A	0	0	0	0	0
ADV CANCER RES	21.680	99.0	A	0	0	0	0	0
J NATL CANCER I	14.159	98.1	A	7	2	1	6	16
J CLIN ONCOL	8.773	97.1	A	1	20	0	14	35
CANCER RES	8.460	96.1	A	10	23	6	66	105
ONCOGENE	6.490	95.1	A	2	18	5	26	51
SEMIN CANCER BIOL	5.841	94.2	A	0	0	1	0	1
CLIN CANCER RES	4.643	93.2	A	2	11	6	17	36
GENE CHROMOSOME CANC	4.534	92.2	A	5	6	1	8	20
CANCER EPIDEM BIOMAR	4.354	91.3	A	1	0	0	0	1
CANCER GENE THER	4.151	90.3	A	4	0	0	3	7
CARCINOGENESIS	4.031	89.3	A	16	7	8	32	63
INT J CANCER	3.918	88.3	A	42	32	16	58	148
EXP CELL RES	3.860	87.4	A	1	4	4	15	24
LEUKEMIA	3 736	86.4	A	12	10	0	12	34
BRIT J CANCER	3.489	84.5	A	11	18	13	58	100
SEMIN ONCOL	3.365	83.5	A	0	1	2	0	3
CANCER METAST REV	3.325	82.5	A	0	0	0	0	0
ANN ONCOL	3.249	81.6	A	0	1	4	3	8
MOL CARCINOGEN	3.104	80.6	A	0	0	0	15	15
INT J RADIAT ONCOL	3 058	79.6	A	0	0	0	0	0
J IMMUNOTHER	3.027	78.6	A	0	0	0	0	0
STEM CELLS	2.989	77.7	A	1	0	0	1	2
CRIT REV ONCOGENESIS	2.852	76.7	A	1	0	0	0	1
STRAHLENTHER ONKOL	2.846	75 7	A	0	0	0	0	0
CANCER IMMUNOL IMMUN	2.820	74.8	A	2	1	0	2	5
ANN SURG ONCOL	2 799	73.8	A	0	0	1	0	1
EUR J CANCER	2.725	72 8	A	3	11	4	19	37
BREAST CANCER RES TR	2.720	71.8	A	4	2	1	10	17
ONCOLOGY BASEL	2.584	70.9	A	4	15	1	22	42
RADIOTHER ONCOL	2.469	69.9	A	0	1	0	0	1
CANCER CAUSE CONTROL	2.464	68.9	A	1	0	0	0	1
SEMIN RADIAT ONCOL	2.427	68.0	A	0	0	0	0	0
BONE MARROW TRANSPL	2.396	67.0	A	0	0	0	1	1
INT J ONCOL	2.142	66.0	B	6	9	10	8	33
JPN J CANCER RES	2.120	65.0	B	6	0	1	17	24
CANCER CHEMOTH PHARM	2.081	64.1	B	0	0	0	0	0
CANCER TREAT REV	2.053	63.1	B	0	0	0	0	0
NUTR CANCER	2.016	62.1	B	5	2	0	15	22
CURR PROB CANCER	2.000	61.2	B	0	0	0	0	0
HEMATOL ONCOL CLIN N	1.979	60.2	B	0	0	0	1	1
GYNECOL ONCOL	1.972	59.2	B	11	29	3	73	116
ANTI CANCER DRUG DES	1.937	58.3	B	0	0	0	1	1
MELANOMA RES	1.862	57.3	B	0	0	0	0	0
CLIN EXP METASTAS	1.845	56.3	B	4	0	0	1	5
CANCER SURV	1.824	55.3	B	0	0	0	0	0
J CANCER RES CLIN	1.789	54.4	B	65	1	0	4	70
CANCER CYTOPATHOL	1.716	53.4	B	31	80	14	101	226
ORAL ONCOL	1.690	52.4	B	0	5	0	1	6
SEMIN SURG ONCOL	1.650	51.5	B	0	0	0	0	0
TUMOR BIOL	1.626	50.5	B	0	1	0	0	1
CANCER GENET CYTOGEN	1.625	49.5	B	25	82	5	17	129
J NEURO ONCOL	1.581	48.5	B	3	1	2	12	18
ANTI CANCER DRUG	1.570	47.6	B	0	0	0	1	1
J SURG ONCOL	1.541	46.6	B	0	0	0	0	0
CANCER INVEST	1.527	45.6	B	0	2	1	7	10
CANCER LETT	1.517	44.7	B	26	31	19	100	176
ONCOL RES	1.508	43.7	B	2	1	0	2	5
LEUKEMIA RES	1.502	42.7	B	24	5	0	8	37

(continued)

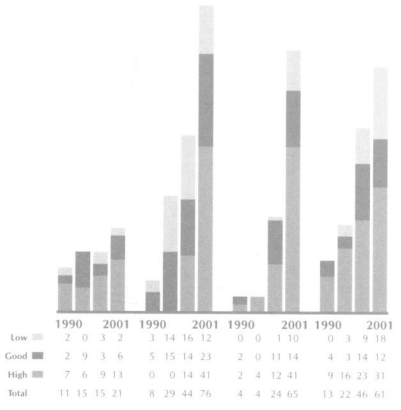
Subject Category, Area **Oncology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
UR J SURG ONCOL	1.434	41.7	B	0	0	0	1	1
LUNG CANCER J IASLC	1.401	40.8	B	1	0	0	0	1
J PEDIAT HEMATOL ONC	1.387	39.8	B	0	0	0	1	1
EUR J CANCER PREV	1.351	38.8	B	11	0	0	0	11
ANTICANCER RES	1.331	37.9	B	21	36	7	153	217
MED ONCOL	1.318	35.9	B	0	1	2	0	3
MED PEDIATR ONCOL	1.301	35.0	B	0	1	0	0	1
INT J BIOL MARKER	1.292	34.0	B	1	0	0	0	1
ONCOL REP	1.290	33.0	C	3	5	3	11	22
CANCER DETECT PREV	1.258	32.0	C	1	3	2	2	8
LEUKEMIA LYMPHOMA	1.252	31.1	C	3	16	4	9	32
ENDOCR RELAT CANCER	1.239	30.1	C	0	0	0	1	1
SUPPORT CARE CANCER	1.174	29.1	C	0	0	1	0	1
TERATOGEN CARCIN MUT	1.106	28.2	C	0	1	0	0	1
CRIT REV ONCOL HEMAT	1.019	26.2	C	1	6	2	1	10
CANCER BIOTHER RADIO	0.989	24.3	C	0	0	0	1	1
AM J CLIN ONCOL CANC	0.952	22.3	C	7	2	2	24	35
ONCOLOGY NY	0.933	21.4	C	0	0	0	1	1
J CHEMOTHERAPY	0.921	20.4	C	0	1	0	0	1
ACTA ONCOL	0.908	19.4	C	1	5	5	5	16
JPN J CLIN ONCOL	0.786	18.4	C	2	0	0	52	54
HEMATOL ONCOL	0.692	17.5	C	0	31	0	0	31
INVAS METAST	0.677	15.5	C	1	0	0	0	1
INT J GYNECOL CANCER	0.663	14.6	C	1	0	0	2	3
PEDIATR HEMAT ONCOL	0.601	10.7	C	0	0	0	1	1
NEOPLASMA	0.579	8.7	C	0	0	0	11	11
EUR J GYNAECOL ONCOL	0.551	7.8	C	0	1	0	6	7
J EXP CLIN CANC RES	0.540	6.8	C	14	0	0	0	14
TUMORI	0.485	5.8	C	2	0	0	1	3
SURG ONCOL	0.293	2.9	C	0	1	0	0	1
Total				**408**	**542**	**157**	**1040**	**2147**

Ophthalmology

Number of full papers (with impact factor) in Medline

Three year groups

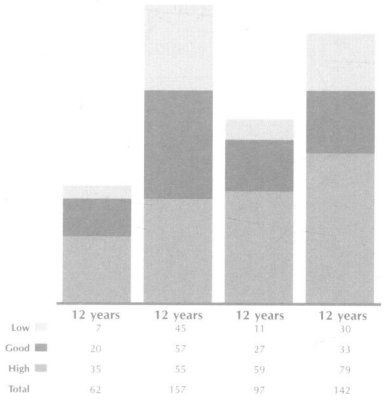
China Hong Kong Singapore Taiwan



	1990	2001	1990	2001	1990	2001	1990	2001
Low	2	0 3 2	3	14 16 12	0	0 1 10	0	3 9 18
Good	2	9 3 6	5	15 14 23	2	0 11 14	4	3 14 12
High	7	6 9 13	0	0 14 41	2	4 12 41	9	16 23 31
Total	11	15 15 21	8	29 44 76	4	4 24 65	13	22 46 61

12 year period - 1990 to 2001

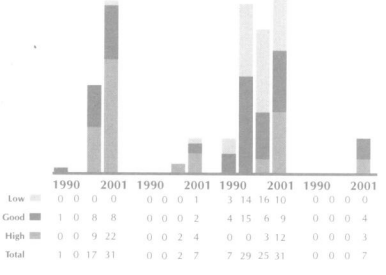
China Hong Kong Singapore Taiwan



	12 years	12 years	12 years	12 years
Low	7	45	11	30
Good	20	57	27	33
High	35	55	59	79
Total	62	157	97	142

Three year groups

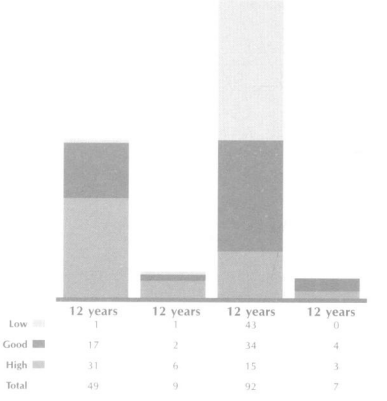
CUHK HKU Academia Other



	1990	2001	1990	2001	1990	2001	1990	2001
Low	0	0 0 0	0	0 0 1	3	14 16 10	0	0 0 0
Good	1	0 8 8	0	0 0 2	4	15 6 9	0	0 0 4
High	0	0 9 22	0	0 2 4	0	0 3 12	0	0 0 3
Total	1	0 17 31	0	0 2 7	7	29 25 31	0	0 0 7

12 year period - 1990 to 2001

CUHK HKU Academia Other



	12 years	12 years	12 years	12 years
Low	1	1	43	0
Good	17	2	34	4
High	31	6	15	3
Total	49	9	92	7

Ophthalmology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Ophthalmology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

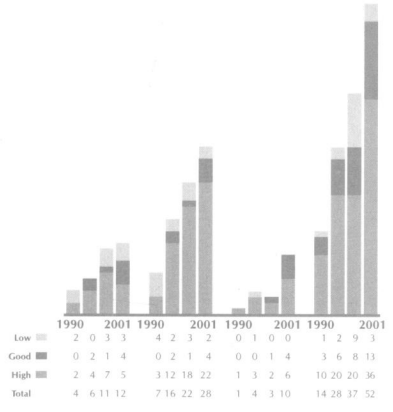
Subject Category, Area **Ophthalmology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
PROG RETIN EYE RES	4.680	100.0	A	0	1	0	0	1
INVEST OPHTH VIS SCI	4.373	97.6	A	1	13	4	9	27
OPHTHALMOLOGY	3.040	95.1	A	8	12	17	8	45
SURV OPHTHALMOL	2.562	92.7	A	0	0	1	0	1
ARCH OPHTHALMOL CHIC	2.158	90.2	A	2	5	6	3	16
VISUAL NEUROSCI	2.149	87.8	A	7	0	1	0	8
J CATARACT REFR SURG	2.071	85.4	A	0	0	1	0	1
J REFRACT SURG	2.061	82.9	A	1	0	0	0	1
EXP EYE RES	2.014	80.5	A	3	1	0	2	6
VISION RES	2.000	78.0	A	1	4	0	1	6
BRIT J OPHTHALMOL	1.948	75.6	A	3	4	12	12	31
AM J OPHTHALMOL	1.941	73.2	A	6	6	11	15	38
CURR EYE RES	1.511	70.7	A	0	8	0	8	16
CORNEA	1.391	68.3	A	3	1	6	21	31
J GLAUCOMA	1.227	65.9	B	0	3	1	0	4
EYE	1.139	63.4	B	0	12	8	1	21
GRAEF ARCH CLIN EXP	1.112	61.0	B	7	4	0	2	13
OPTOMETRY VISION SCI	1.015	58.5	B	4	30	5	4	43
OCUL IMMUNOL INFLAMM	0.814	56.1	B	1	0	0	0	1
OPHTHALMIC SURG LAS	0.775	53.7	B	0	0	0	0	0
OPHTHALMIC RES	0.773	51.2	B	3	1	0	6	10
J OCUL PHARMACOL TH	0.757	48.8	B	0	0	0	1	1
RETINA J RET VIT DIS	0.740	46.3	B	1	3	1	11	16
OPHTHALMIC PLAST REC	0.699	43.9	B	1	1	2	3	7
AUST NZ J OPHTHALMOL	0.578	41.5	B	3	1	10	2	16
CAN J OPHTHALMOL	0.543	39.0	B	0	1	0	3	4
EUR J OPHTHALMOL	0.541	36.6	B	0	0	0	0	0
OPHTHALMOLOGE	0.536	34.1	B	0	1	0	0	1
OPHTHAL PHYSL OPT	0.504	31.7	C	0	40	0	0	40
OPHTHALMOLOGICA	0.494	29.3	C	4	1	1	10	16
ACTA OPHTHALMOL SCAN	0.490	26.8	C	1	3	3	7	14
JPN J OPHTHALMOL	0.479	24.4	C	2	1	1	8	12
J PEDIAT OPHTH STRAB	0.422	22.0	C	0	0	0	1	1
J TOXICOL CUTAN OCUL	0.417	19.5	C	0	0	0	0	0
KLIN MONATSBL AUGENH	0.406	17.1	C	0	0	0	0	0
NEURO OPHTHALMOLOGY	0.376	14.6	C	0	0	0	0	0
J FR OPHTALMOL	0.318	12.2	C	0	0	0	0	0
J NEURO OPHTHALMOL	0.252	9.8	C	0	0	1	4	5
INT OPHTHALMOL CLIN	0.209	7.3	C	0	0	0	0	0
CLIN EXP OPHTHALMOL	0.084	4.9	C	0	0	5	0	5
ANN OPHTHALMOL	0.030	2.4	C	0	0	0	0	0
Total				**62**	**157**	**97**	**142**	**458**

Orthopedics

Number of full papers (with impact factor) in Medline

Three year groups

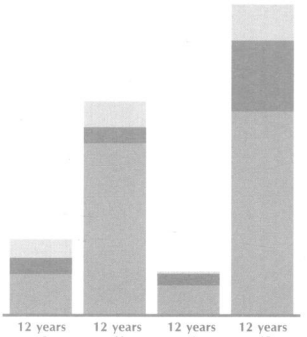
China Hong Kong Singapore Taiwan



	1990	2001	1990	2001	1990	2001	1990	2001
Low	2	0 3 3	4	2 3 2	0	1 0 0	1	2 9 3
Good	0	2 1 4	0	2 1 4	0	0 1 4	3	6 8 13
High	2	4 7 5	3	12 18 22	1	3 2 6	10	20 20 36
Total	4	6 11 12	7	16 22 28	1	4 3 10	14	28 37 52

12 year period - 1990 to 2001

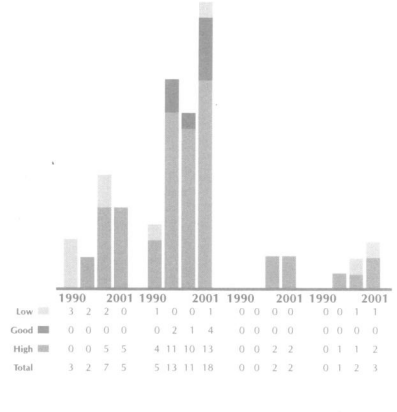
China Hong Kong Singapore Taiwan



	12 years	12 years	12 years	12 years
Low	8	11	1	15
Good	7	7	5	30
High	18	55	12	86
Total	33	73	18	131

Three year groups

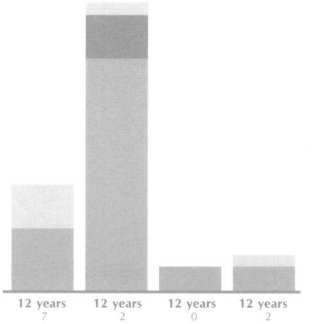
CUHK HKU Academia Other



	1990	2001	1990	2001	1990	2001	1990	2001
Low	3	2 2 0	1	0 0 1	0	0 0 0	0	0 1 1
Good	0	0 0 0	0	2 1 4	0	0 0 0	0	0 0 0
High	0	0 5 5	4	11 10 13	0	0 2 2	0	1 1 2
Total	3	2 7 5	5	13 11 18	0	0 2 2	0	1 2 3

12 year period - 1990 to 2001

CUHK HKU Academia Other



	12 years	12 years	12 years	12 years
Low	7	2	0	2
Good	0	7	0	0
High	10	37	4	4
Total	17	46	4	6

Orthopedics subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Orthopedics JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

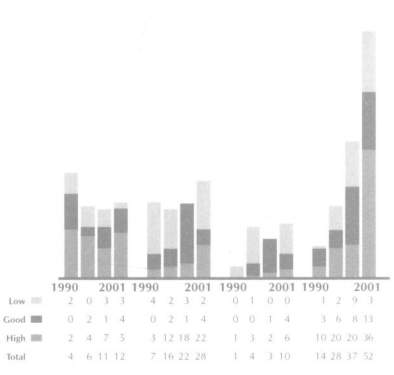
Subject Category, Area **Orthopedics**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
J ORTHOPAED RES	2.233	100.0	A	0	3	0	9	12
J BONE JOINT SURG AM	2.222	97.4	A	0	0	0	0	0
OSTEOARTHR CARTILAGE	2.080	94.9	A	0	0	1	0	1
SPINE	1.843	92.3	A	15	41	4	35	95
J BONE JOINT SURG BR	1.612	89.7	A	0	0	0	0	0
J ORTHOP SPORT PHYS	1.424	87.2	A	0	0	0	1	1
CLIN J SPORT MED	1.255	84.6	A	0	0	0	0	0
PHYS THER	1.222	82.1	A	0	0	0	1	1
ARTHROSCOPY	1.217	79.5	A	0	0	0	0	0
CLIN ORTHOP RELAT R	1.182	76.9	A	0	0	0	0	0
CLIN BIOMECH	1.056	74.4	A	0	0	0	1	1
J ARTHROPLASTY	0.978	71.8	A	1	10	1	15	27
ACTA ORTHOP SCAND	0.973	66.7	A	2	1	5	24	32
J SHOULDER ELB SURG	0.973	69.2	A	0	0	1	0	1
GAIT POSTURE	0.955	64.1	B	0	0	0	1	1
CONNECT TISSUE RES	0.952	61.5	B	0	1	0	0	1
ORTHOP CLIN N AM	0.874	59.0	B	0	0	0	0	0
J ORTHOP TRAUMA	0.843	56.4	B	0	0	0	0	0
J SPINAL DISORD	0.816	53.8	B	3	5	3	8	19
J HAND SURG AM	0.795	51.3	B	0	0	0	0	0
J PEDIATR ORTHOPED	0.636	48.7	B	0	0	0	0	0
HAND CLIN	0.571	46.2	B	0	0	1	8	9
ARCH ORTHOP TRAUM SU	0.507	43.6	B	0	0	0	1	1
J HAND SURG BRIT EUR	0.495	41.0	B	0	0	0	0	0
FOOT ANKLE INT	0.493	38.5	B	2	0	1	6	9
ISOKINET EXERC SCI	0.476	35.9	B	0	0	0	0	0
ORTHOPEDICS	0.472	33.3	B	2	1	0	6	9
Z ORTHOP GRENZGEB	0.446	30.8	C	0	0	0	0	0
INT ORTHOP	0.368	28.2	C	7	11	0	15	33
ORTHOPADE	0.364	25.6	C	0	0	0	0	0
NEURO ORTHOPEDICS	0.273	23.1	C	0	0	0	0	0
J BACK MUSCULOSKELET	0.261	20.5	C	0	0	0	0	0
KNEE	0.255	17.9	C	0	0	0	0	0
J PEDIATR ORTHOP B	0.217	15.4	C	1	0	0	0	1
REV CHIR ORTHOP	0.212	12.8	C	0	0	0	0	0
J AM PODIAT MED ASSN	0.189	10.3	C	0	0	0	0	0
PROSTHET ORTHOT INT	0.119	7.7	C	0	0	1	0	1
JNMS J NEUROMUSC SYS	0.103	5.1	C	0	0	0	0	0
CURR ORTHOPAED	0.099	2.6	C	0	0	0	0	0
Total				**33**	**73**	**18**	**131**	**255**

Otorhinolaryngology

Number of full papers (with impact factor) in Medline

Three year groups

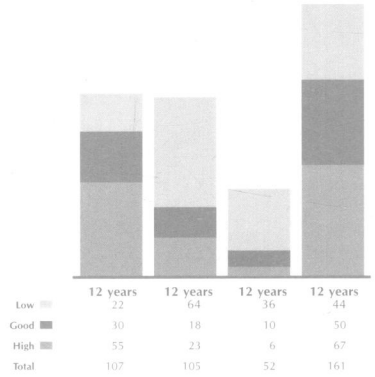
China Hong Kong Singapore Taiwan



	1990	2001	1990	2001	1990	2001	1990	2001
Low	2	0 3 3	4	2 3 2	0	1 0 0	1	2 9 3
Good	0	2 1 4	0	2 1 4	0	0 1 4	3	6 8 13
High	2	4 7 5	3	12 18 22	1	3 2 6	10	20 20 36
Total	4	6 11 12	7	16 22 28	1	4 3 10	14	28 37 52

12 year period - 1990 to 2001

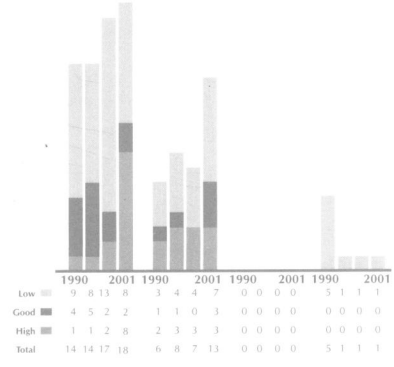
China Hong Kong Singapore Taiwan



	12 years	12 years	12 years	12 years
Low	22	64	36	44
Good	30	18	10	50
High	55	23	6	67
Total	107	105	52	161

Three year groups

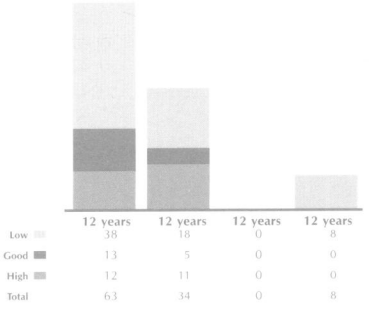
CUHK HKU Academia Other



	1990	2001	1990	2001	1990	2001	1990	2001
Low	9	8 13 8	3	4 4 7	0	0 0 0	5	1 1 1
Good	4	5 2 2	1	1 0 3	0	0 0 0	0	0 0 0
High	1	1 2 8	2	3 3 3	0	0 0 0	0	0 0 0
Total	14	14 17 18	6	8 7 13	0	0 0 0	5	1 1 1

12 year period - 1990 to 2001

CUHK HKU Academia Other



	12 years	12 years	12 years	12 years
Low	38	18	0	8
Good	13	5	0	0
High	12	11	0	0
Total	63	34	0	8

Otorhinolaryngology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Otorhinolaryngology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

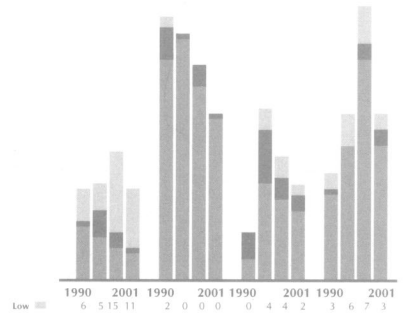
Subject Category, Area **Otorhinolaryngology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
AUDIOL NEURO OTOL	2.390	100.0	A	0	0	0	1	1
HEAD NECK J SCI SPEC	1.917	96.6	A	0	0	0	0	0
HEARING RES	1.753	93.1	A	18	0	1	7	26
DYSPHAGIA	1.567	89.7	A	0	0	1	0	1
ARCH OTOLARYNGOL	1.527	86.2	A	0	0	0	0	0
EAR HEARING	1.506	82.8	A	0	0	0	0	0
LARYNGOSCOPE	1.457	79.3	A	15	10	0	24	49
AM J OTOL	1.199	75.9	A	2	9	1	7	19
ANN OTO RHINOL LARYN	1.124	72.4	A	19	4	3	28	54
J VESTIBUL RES EQUIL	1.116	69.0	A	1	0	0	0	1
BRIT J AUDIOL	1.062	65.5	B	0	0	0	0	0
AM J RHINOL	1.021	62.1	B	1	0	2	7	10
OTOLARYNG HEAD NECK	0.977	58.6	B	0	0	0	0	0
CLIN OTOLARYNGOL ALL	0.839	55.2	B	1	9	1	7	18
AUDIOLOGY	0.818	51.7	B	0	1	0	2	3
ACTA OTO LARYNGOL	0.812	48.3	B	15	3	2	12	32
SCAND AUDIOL	0.755	44.8	B	0	0	0	0	0
HNO	0.722	41.4	B	0	0	0	0	0
EUR ARCH OTO RHINO L	0.646	37.9	B	6	5	2	16	29
ORL J OTO RHINO LARY	0.624	34.5	B	7	0	3	6	16
LARYNGO RHINO OTOL	0.621	31.0	C	0	0	0	0	0
J VOICE	0.584	27.6	C	0	1	0	1	2
OTOLARYNG CLIN N AM	0.537	24.1	C	0	0	0	0	0
J LARYNGOL OTOL	0.482	20.7	C	17	48	34	20	119
INT J PEDIATR OTORHI	0.476	17.2	C	0	0	0	0	0
J OTOLARYNGOL	0.471	13.8	C	4	6	0	12	22
AM J OTOLARYNG	0.452	10.3	C	1	9	2	11	23
SKULL BASE SURG	0.185	6.9	C	0	0	0	0	0
OTO RHINO LARYN NOVA	0.083	3.4	C	0	0	0	0	0
Total				**107**	**105**	**52**	**161**	**425**

Pathology

Number of full papers (with impact factor) in Medline

Three year groups

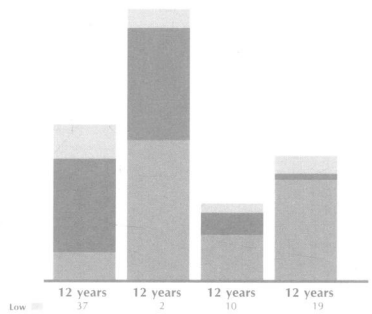
China Hong Kong Singapore Taiwan



	1990	2001	1990	2001	1990	2001	1990	2001
Low	6	5 15 11	2	0 0 0	0	4 4 2	3	6 7 3
Good	1	5 3 1	6	1 4 1	5	10 4 3	1	0 3 3
High	10	8 6 5	41	45 36 30	4	18 15 13	16	25 41 25
Total	17	18 24 17	49	46 40 31	9	32 23 18	20	31 51 31

12 year period - 1990 to 2001

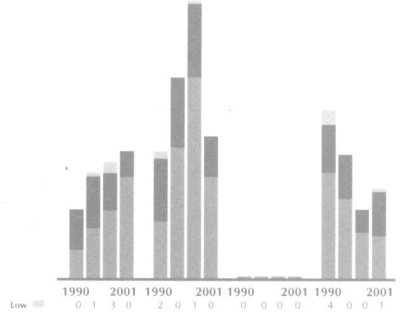
China Hong Kong Singapore Taiwan



	12 years	12 years	12 years	12 years
Low	37	2	10	19
Good	10	12	22	7
High	29	152	50	107
Total	76	166	82	133

Three year groups

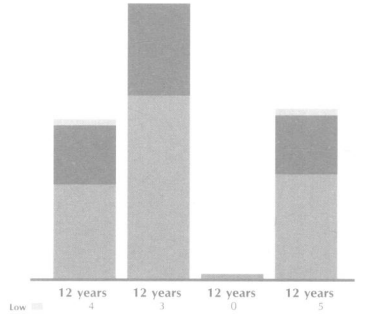
CUHK HKU Academia Other



	1990	2001	1990	2001	1990	2001	1990	2001
Low	0	1 3 0	2	0 1 0	0	0 0 0	4	0 0 1
Good	11	14 10 7	17	19 20 11	0	0 0 0	13	12 6 12
High	8	14 19 28	16	36 55 28	1	1 1 1	29	22 13 12
Total	19	29 32 35	35	55 76 39	1	1 1 1	46	34 19 25

12 year period - 1990 to 2001

CUHK HKU Academia Other



	12 years	12 years	12 years	12 years
Low	4	3	0	5
Good	42	67	0	43
High	69	135	4	76
Total	115	205	4	124

Pathology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Pathology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

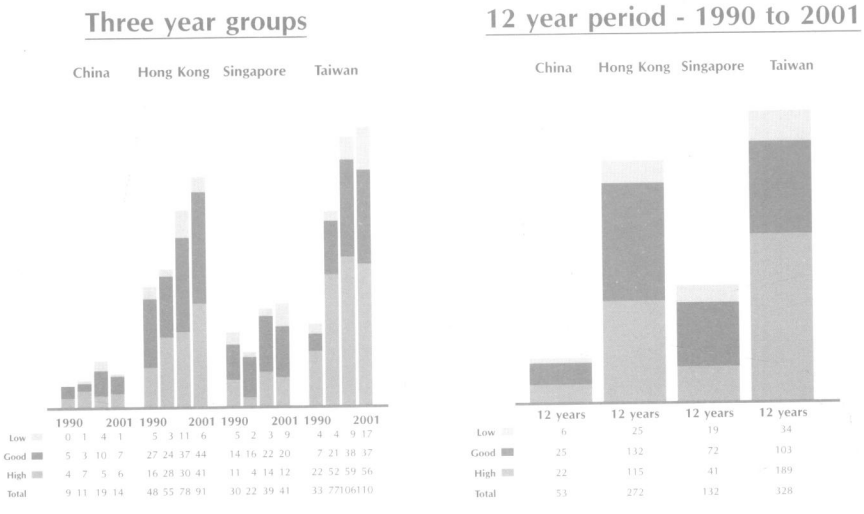
Subject Category, Area **Pathology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
AM J PATHOL	6.971	100.0	A	0	13	1	10	24
BRAIN PATHOL	6.435	98.5	A	0	0	0	0	0
J NEUROPATH EXP NEUR	5.565	97.0	A	3	3	0	4	10
AM J SURG PATHOL	4.269	95.5	A	0	0	0	0	0
LAB INVEST	4.165	94.0	A	0	5	0	17	22
J PATHOL	4.137	92.5	A	2	10	5	11	28
MODERN PATHOL	3.241	91.0	A	0	15	1	3	19
AM J CLIN PATHOL	2.939	89.6	A	5	37	2	8	52
HUM PATHOL	2.906	88.1	A	2	40	1	17	60
TISSUE ANTIGENS	2.612	86.6	A	3	2	8	6	19
HISTOPATHOLOGY	2.554	85.1	A	5	66	7	22	100
NEUROPATH APPL NEURO	2.523	83.6	A	0	2	2	0	4
SEMIN DIAGN PATHOL	2.458	82.1	A	0	2	0	0	2
ACTA NEUROPATHOL	2.446	80.6	A	2	1	1	3	7
TOXICOL PATHOL	2.329	79.1	A	0	0	0	1	1
SPRINGER SEMIN IMMUN	2.176	77.6	A	0	0	0	0	0
ALZ DIS ASSOC DIS	1.837	76.1	A	1	0	0	4	5
J CLIN PATHOL	1.755	74.6	A	9	63	9	11	92
APMIS	1.713	71.6	A	4	17	0	1	22
VIRCHOWS ARCH	1.713	73.1	A	0	2	0	3	5
DIAGN MOL PATHOL	1.679	70.1	A	0	0	0	1	1
HISTOL HISTOPATHOL	1.553	68.7	A	3	6	17	15	41
J COMP PATHOL	1.510	67.2	A	0	0	0	0	0
INT J GYNECOL PATHOL	1.508	65.7	B	2	5	4	3	14
INT J LEGAL MED	1.497	64.2	B	1	1	0	1	3
J ORAL PATHOL MED	1.457	62.7	B	5	13	0	43	61
ARCH PATHOL LAB MED	1.432	61.2	B	3	22	0	10	35
ACTA CYTOL	1.391	59.7	B	5	27	13	27	72
VET PATHOL	1.362	58.2	B	1	0	0	0	1
LEPROSY REV	1.343	56.7	B	1	0	0	0	1
INT J EXP PATHOL	1.321	55.2	B	0	0	1	0	1
PATHOBIOLOGY	1.252	53.7	B	0	0	0	1	1
PEDIATR PATHOL LAB M	1.182	52.2	B	0	0	0	0	0
INT J IMMUNOPATH PH	1.174	50.7	B	0	0	0	0	0
J CUTAN PATHOL	1.171	49.3	B	1	3	0	10	14
MOL CHEM NEUROPATHOL	1.163	47.8	B	2	0	1	1	4
INT J LEPROSY	1.114	46.3	B	0	0	0	0	0
EXP MOL PATHOL	1.085	44.8	B	0	1	2	3	6
PATHOL RES PRACT	1.075	43.3	B	3	3	0	3	9
CLIN NEUROPATHOL	1.012	41.8	B	0	0	0	1	1
J MOL DIAGN	1.000	40.3	B	0	0	0	0	0
PATHOLOGY	0.994	38.8	B	5	61	29	0	95
DIAGN CYTOPATHOL	0.937	37.3	B	0	14	0	4	18
SCI JUSTICE	0.909	35.8	B	0	1	0	0	1
ORAL SURG ORAL MED O	0.865	34.3	B	0	1	0	0	1
ANAL CELL PATHOL	0.838	32.8	C	1	0	0	0	1
PATHOL INT	0.830	31.3	C	4	0	3	3	10
CYTOPATHOLOGY	0.760	29.9	C	0	3	0	1	4
APPL IMMUNOHISTO M M	0.747	28.4	C	0	0	0	0	0
ULTRASTRUCT PATHOL	0.745	26.9	C	2	2	0	0	4
PEDIATR DEVEL PATHOL	0.723	25.4	C	0	0	0	0	0
EXP TOXICOL PATHOL	0.689	23.9	C	0	0	0	0	0
AM J FOREN MED PATH	0.595	22.4	C	1	3	5	0	9
PATHOL BIOL	0.546	20.9	C	0	0	0	0	0
DIS MARKERS	0.539	19.4	C	0	0	0	0	0
RES COMMUN MOL PATH	0.495	17.9	C	0	0	0	1	1
NEUROPATHOLOGY	0.487	16.4	C	0	0	0	0	0
ANN PATHOL	0.473	14.9	C	0	0	0	0	0
MED SCI LAW	0.472	13.4	C	2	4	14	0	20
INT J SURG PATHOL	0.463	11.9	C	0	0	0	1	1

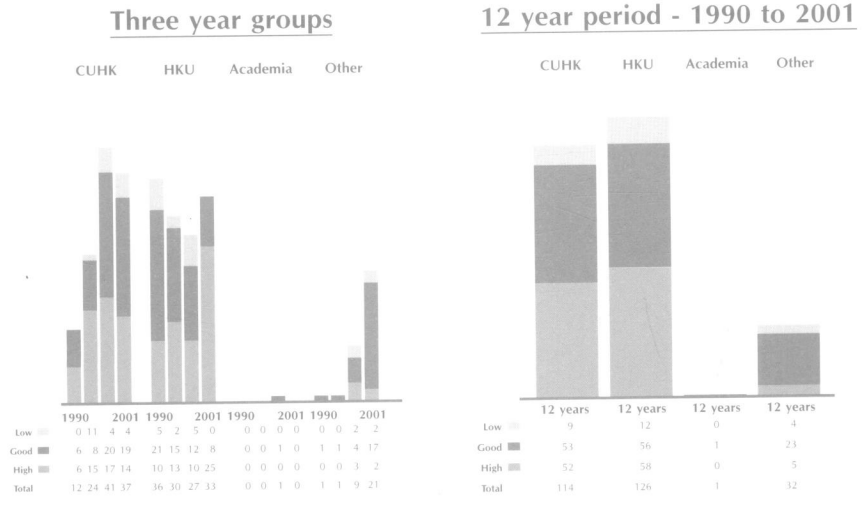
(continued)

Subject Category, Area **Pathology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ENDOCR PATHOL	0.402	10.4	C	0	0	0	0	0
PATHOLOGE	0.363	9.0	C	0	0	0	0	0
CARDIOVASC PATHOL	0.347	7 5	C	0	0	0	1	1
FOLIA NEUROPATHOL	0 258	6 0	C	0	0	0	0	0
B SOC PATHOL EXOT	0.151	4.5	C	0	0	0	0	0
ZH NEVROPATOL PSIKH	0.109	3.0	C	0	0	0	0	0
PEDIATR PATHOL MOL M	0 000	1 5	C	0	0	0	0	0
Total				**78**	**448**	**126**	**251**	**903**

Pediatrics

Number of full papers (with impact factor) in Medline





Pediatrics subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Pediatrics JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Pediatrics**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
PEDIATRICS	3.742	100.0	A	1	1	1	10	13
J PEDIATR	3.467	98.6	A	1	5	6	16	28
J AM ACAD CHILD PSY	3.175	97.2	A	1	0	0	0	1
PEDIATR RES	2.794	95.8	A	2	9	3	7	21
PEDIATR INFECT DIS J	2.190	94.4	A	8	6	1	39	54
J CHILD ADOL PSYCHOP	1.982	93.0	A	0	0	0	0	0
ARCH DIS CHILD	1.866	91.5	A	2	16	5	8	31
SEMIN PERINATOL	1.808	90.1	A	0	0	0	2	2
DEV MED CHILD NEUROL	1.780	88.7	A	0	5	1	4	10
ARCH PEDIAT ADOL MED	1.701	87.3	A	0	0	2	11	13
PEDIATR ALLERGY IMMU	1.635	85.9	A	0	1	0	7	8
NEUROPEDIATRICS	1.597	84.5	A	0	0	1	0	1
J PEDIATR GASTR NUTR	1.580	83.1	A	0	5	3	25	33
PEDIATR PULM	1.545	81.7	A	0	0	0	0	0
J ADOLESCENT HEALTH	1.415	80.3	A	1	0	0	0	1
J PEDIAT HEMATOL ONC	1.387	78.9	A	0	5	1	3	9
PEDIATR NEPHROL	1.370	77.5	A	0	0	0	0	0
CLIN PERINATOL	1.360	76.1	A	0	0	1	0	1
EUR J PEDIATR	1.318	74.6	A	0	8	3	25	36
ACTA PAEDIATR	1.315	73.2	A	3	31	5	26	65
MED PEDIATR ONCOL	1.301	71.8	A	0	12	2	2	16
PAEDIATR PERINAT EP	1.265	70.4	A	0	1	0	0	1
BIOL NEONATE	1.258	69.0	A	2	9	6	3	20
BIRTH ISS PERINAT C	1.250	67.6	A	1	1	0	1	3
J PEDIATR SURG	1.216	66.2	B	0	0	0	0	0
PEDIATR PATHOL LAB M	1.182	64.8	B	0	0	0	0	0
J CHILD NEUROL	1.134	63.4	B	1	3	0	3	7
PEDIATR CLIN N AM	1.054	62.0	B	0	0	0	0	0
J DEV BEHAV PEDIATR	1.041	60.6	B	1	0	0	0	1
PEDIATR NEUROL	1.007	59 2	B	7	14	1	38	60
PAEDIATR ANAESTH	1.005	57.7	B	0	0	1	0	1
EARLY HUM DEV	0.982	56.3	B	4	8	3	11	26
J PERINAT MED	0.950	54.9	B	3	0	16	2	21
PEDIATR CARDIOL	0.863	53.5	B	3	2	0	13	18
CLIN PEDIATR	0.834	52.1	B	1	0	2	5	8
PEDIATR DERMATOL	0 812	50.7	B	0	3	11	1	15
PEDIATR NEUROSURG	0.811	49.3	B	0	0	0	1	1
MENT RETARD DEV D R	0 800	47.9	B	0	0	0	0	0
PEDIATR ANN	0 739	46.5	B	0	0	0	0	0
PEDIATR EXERC SCI	0 732	45.1	B	0	0	0	0	0
PEDIATR DEVEL PATHOL	0 723	43.7	B	0	0	0	0	0
J PAEDIATR CHILD H	0 698	42 3	B	2	84	29	2	117
PEDIATR RADIOL	0.684	40.8	B	0	0	0	0	0
J PEDIATR ENDOCR MET	0 638	39.4	B	0	1	0	0	1
J PEDIATR ORTHOPED	0.636	38.0	B	1	13	7	11	32
CHILD CARE HLTH DEV	0.636	36.6	B	0	1	1	0	2
AM J PERINAT	0 616	35.2	B	2	3	0	16	21
CARDIOL YOUNG	0.615	33.8	B	0	0	1	0	1
PEDIATR HEMAT ONCOL	0.601	32.4	C	2	12	0	7	21
CHILD NERV SYST	0.563	31.0	C	0	0	0	0	0
PRENAT NEONAT MED	0.544	29.6	C	0	0	0	0	0
ACTA PAEDIATR JAPON	0.523	28.2	C	1	5	7	3	16
KLIN PADIATR	0.503	26.8	C	0	0	0	0	0
J DENT CHILD	0.496	25.4	C	0	2	3	11	16
PEDIATR SURG INT	0.491	23.9	C	0	0	0	1	1
INT J PEDIATR OTORHI	0.476	22.5	C	1	3	2	5	11
J TROP PEDIATRICS	0.447	21.1	C	0	0	1	0	1
PEDIATR EMERG CARE	0.428	19.7	C	0	0	0	1	1
CHILD PSYCHIAT HUM D	0.422	16.9	C	0	0	0	1	1
J PEDIAT OPHTH STRAB	0.422	18.3	C	1	0	5	2	8

(continued)

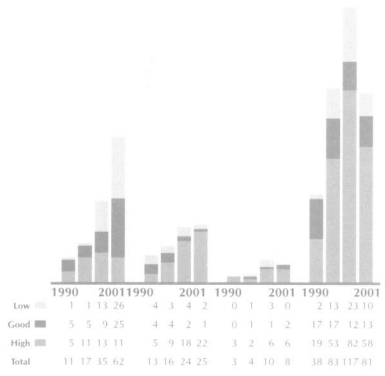
Subject Category, Area **Pediatrics**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ANN TROP PAEDIATR	0.413	15.5	C	0	0	0	0	0
EUR J PEDIATR SURG	0.350	14.1	C	0	1	0	0	1
PEDIATR INT	0.327	12.7	C	1	1	0	2	4
ARCH PEDIATRIE	0.303	11.3	C	0	0	0	0	0
Z GEBURTSH NEONATOL	0.248	9.9	C	0	0	0	0	0
J PEDIATR ORTHOP B	0.217	8.5	C	0	1	0	0	1
MONATSSCHR KINDERH	0.140	7.0	C	0	0	0	0	0
SAGGI	0.111	5.6	C	0	0	0	0	0
ANN PEDIATR PARIS	0.106	4.2	C	0	0	0	0	0
TURKISH J PEDIATR	0.089	2.8	C	0	0	1	1	2
PEDIATR PATHOL MOL M	0.000	1.4	C	0	0	0	0	0
Total				**53**	**272**	**132**	**326**	**783**

Peripheral Vascular Disease

Number of full papers (with impact factor) in Medline

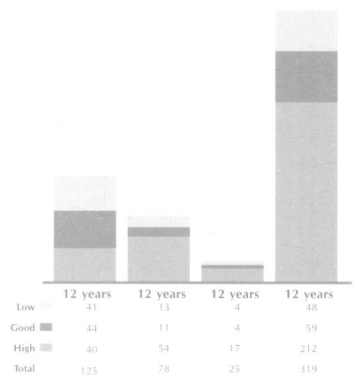
Three year groups

China Hong Kong Singapore Taiwan



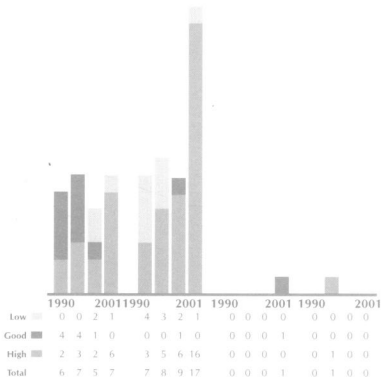
12 year period - 1990 to 2001

China Hong Kong Singapore Taiwan



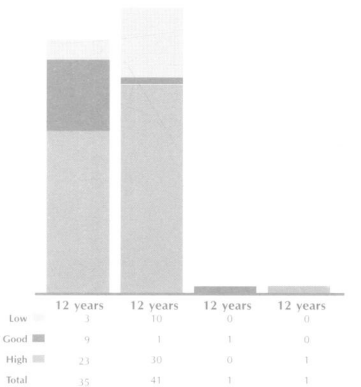
Three year groups

CUHK HKU Academia Other



12 year period - 1990 to 2001

CUHK HKU Academia Other



Peripheral Vascular Disease subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

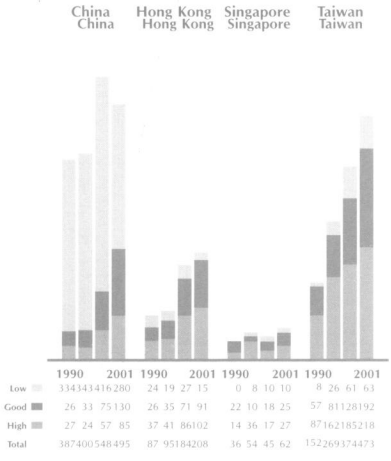
Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Peripheral Vascular Disease JCR subject category The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW)

Subject Category Area **Peripheral Vascular Disease**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
CIRCULATION	10 893	100 0	A	2	6	1	43	52
CIRC RES	9 193	97 8	A	2	1	0	6	9
STROKE	6 008	95 6	A	5	15	0	33	53
CURR OPIN LIPIDOL	5 661	93 3	A	0	0	0	0	0
HYPERTENSION	5 311	91 1	A	1	4	0	23	28
ARTERIOSCL THROM VAS	5 111	88 9	A	0	2	0	11	13
THROMB HAEMOSTASIS	4 372	86 7	A	5	1	5	27	38
J HYPERTENS	3 640	84 4	A	11	4	2	9	26
ATHEROSCLEROSIS	3 386	82 2	A	10	13	6	31	60
J ENDOVASC SURG	3 276	80 0	A	0	1	0	0	1
AM J PHYSIOL HEART C	3 243	77 8	A	0	0	0	1	1
J VASC SURG	3 114	75 6	A	0	0	0	0	0
CEREBROVASC DIS	2 950	73 3	A	1	4	2	1	8
SHOCK	2 785	71 1	A	1	0	0	0	1
J VASC RES	2 710	68 9	A	1	0	0	0	1
AM J HYPERTENS	2 685	66 7	A	1	3	1	27	32
MICROCIRCULATION	2 667	64 4	B	0	0	0	0	0
CURR OPIN NEPHROL HY	2 544	62 2	B	0	0	0	0	0
SEMIN THROMB HEMOST	2 179	60 0	B	0	0	0	0	0
HYPERTENS RES	2 122	57 8	B	18	0	0	0	18
MICROVASC RES	2 016	55 6	B	3	1	0	5	9
J VASC INTERV RADIOL	1 729	53 3	B	0	0	0	1	1
J HUM HYPERTENS	1 596	51 1	B	8	7	1	8	24
ENDOTHELIUM NEW YORK	1 579	48 9	B	1	0	0	0	1
EUR J VASC ENDOVASC	1 565	46 7	B	0	1	0	0	1
KIDNEY BLOOD PRESS R	1 378	44 4	B	0	0	0	1	1
THROMB RES	1 323	42 2	B	13	0	1	42	56
CLIN EXP HYPERTENS	1 266	40 0	B	0	1	0	0	1
ANN VASC SURG	1 073	37 8	B	1	0	0	0	1
CORONARY ARTERY DIS	1 028	35 6	B	0	1	2	1	4
J CARDIOTHOR VASC AN	0 917	33 3	B	0	0	0	1	1
INT ANGIOL	0 802	31 1	C	2	0	0	0	2
J THROMB THROMBOLYS	0 785	28 9	C	1	0	0	0	1
HYPERTENS PREGNANCY	0 750	26 7	C	0	1	0	0	1
VASA J VASCULAR DIS	0 675	24 4	C	0	0	0	0	0
ANGIOLOGY	0 628	22 2	C	6	12	3	34	55
HEART VESSELS	0 595	20 0	C	1	0	0	1	2
PHLEBOLOGY	0 571	17 8	C	0	0	0	0	0
CLIN HEMORHEOL MICRO	0 553	15 6	C	30	0	0	1	31
JPN CIRC J	0 536	13 3	C	1	0	1	12	14
J ENDOVASC THER	0 425	11 1	C	0	0	0	0	0
ARCH MAL COEUR VAISS	0 403	8 9	C	0	0	0	0	0
J MAL VASCUL	0 337	6 7	C	0	0	0	0	0
HERZ KREISLAUF	0 159	4 4	C	0	0	0	0	0
PERFUSION GERMANY	0 130	2 2	C	0	0	0	0	0
Total				**125**	**78**	**25**	**319**	**547**

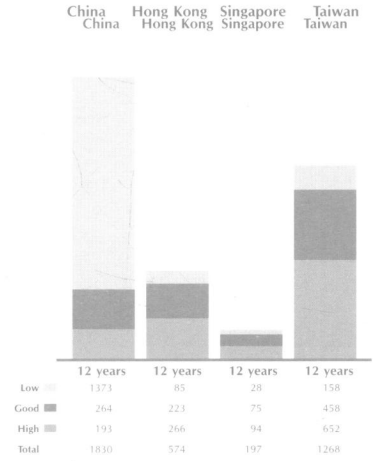
Pharmacology and Pharmacy

Number of full papers (with impact factor) in Medline

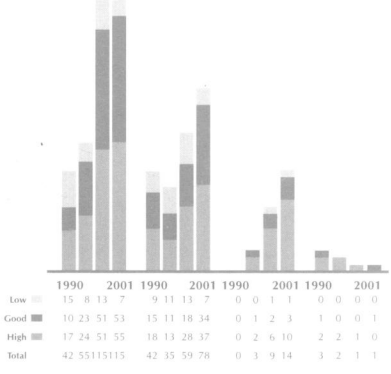
Three year groups



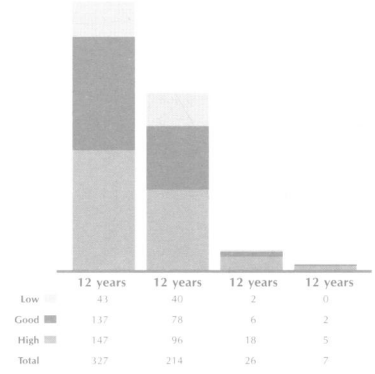
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



Pharmacology and Pharmacy subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Pharmacology and Pharmacy JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Pharmacology and Pharmacy**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
PHARMACOL REV	25.381	100.0	A	0	0	0	0	0
ANNU REV PHARMACOL	19.289	99.4	A	0	0	0	0	0
TRENDS PHARMACOL SCI	10 377	98.9	A	0	2	0	0	2
PHARMACOL THERAPEUT	6.487	98 3	A	1	0	1	0	2
MOL PHARMACOL	5.678	97.8	A	6	8	1	43	58
REV PHYSIOL BIOCH P	5.389	97.2	A	0	0	0	0	0
CLIN PHARMACOL THER	5.275	96.7	A	4	2	1	6	13
J CLIN PSYCHOPHARM	5.052	96 1	A	0	1	0	0	1
CURR MED CHEM	4.909	95 6	A	1	0	1	0	2
NEUROPSYCHOPHARMACOL	4.579	95 0	A	0	0	0	1	1
ANTIVIR THER	4.510	94 5	A	0	0	0	0	0
PHARMACOGENETICS	4.465	93.9	A	5	1	6	6	18
NEUROPHARMACOLOGY	4.125	93.4	A	6	0	0	21	27
DRUG DISCOV TODAY	4.105	92.8	A	0	0	0	0	0
CLIN PHARMACOKINET	3.992	92 3	A	2	2	1	0	5
DRUGS	3.966	91 7	A	0	1	0	0	1
ANTIMICROB AGENTS CH	3.954	91.2	A	4	19	9	19	51
CRIT REV THER DRUG	3.769	90.6	A	0	0	0	0	0
BRIT J PHARMACOL	3.689	90 1	A	16	33	3	138	190
ALIMENT PHARM THERAP	3.489	89.5	A	5	31	7	4	47
J PHARMACOL EXP THER	3.452	89 0	A	11	8	2	27	48
MED RES REV	3.417	88 4	A	1	0	0	0	1
DRUG METAB REV	3.385	87 8	A	1	0	0	0	1
MICROB DRUG RESIST	3.263	87.3	A	0	0	0	1	1
CURR PHARM DESIGN	3.110	86.7	A	0	0	0	0	0
BIOCHEM PHARMACOL	2.975	86 2	A	12	14	26	52	104
J ANTIMICROB CHEMOTH	2.964	85 6	A	1	22	1	7	31
N S ARCH PHARMACOL	2.869	85.1	A	6	1	0	45	52
PSYCHOPHARMACOL BULL	2.809	84 5	A	0	0	0	0	0
PSYCHOPHARMACOLOGY	2.804	84 0	A	0	0	0	0	0
DRUG SAFETY	2.763	83 4	A	0	1	0	0	1
ANTIVIR RES	2.758	82 9	A	0	0	0	0	0
TOXICOL APPL PHARM	2.730	82.3	A	1	0	0	0	1
CONTROL CLIN TRIALS	2.707	81.8	A	0	1	0	0	1
PHARMACOPSYCHIATRY	2.681	81.2	A	0	1	0	0	1
DRUG METAB DISPOS	2.513	80.7	A	1	2	0	12	15
PHARMACEUT RES	2.475	80.1	A	4	5	1	13	23
ADV DRUG DELIVER REV	2.406	79.6	A	0	0	0	0	0
J CARDIOVASC PHARM	2.396	79.0	A	18	12	2	25	57
ANTIVIR CHEM CHEMOTH	2.386	78.5	A	1	0	0	0	1
DRUG AGING	2.342	77.9	A	0	3	2	0	5
COMB CHEM HIGH T SCR	2.341	77.3	A	0	0	0	1	1
J PSYCHOPHARMACOL	2.328	76.8	A	0	0	0	0	0
EUR J PHARMACOL	2.236	76.2	A	47	48	14	141	250
J CONTROL RELEASE	2.151	75.7	A	12	0	4	20	36
BRIT J CLIN PHARMACO	2.151	75.1	A	12	14	6	6	38
BEHAV PHARMACOL	2.111	74.6	A	1	0	0	0	1
J PHARM SCI	2.095	74.0	A	7	4	3	26	40
CANCER CHEMOTH PHARM	2.081	73.5	A	2	15	2	12	31
INT CLIN PSYCHOPHARM	2.076	72.9	A	1	0	0	0	1
CLIN THER	2.069	72.4	A	0	3	0	2	5
DRUG RESIST UPDATE	2.056	71.8	A	0	0	0	0	0
EUR NEUROPSYCHOPHARM	2.045	71.3	A	0	0	0	1	1
J CLIN PHARMACOL	2.003	70.7	A	1	5	0	15	21
J CHILD ADOL PSYCHOP	1.982	70.2	A	0	0	0	0	0
XENOBIOTICA	1.968	69.6	A	0	0	1	0	1
CLIN NEUROPHARMACOL	1.943	69.1	A	1	0	0	2	3
ANTI CANCER DRUG DES	1.937	68.5	A	1	0	0	3	4
PERSPECT DRUG DISCOV	1.934	68.0	A	0	0	0	0	0
J NAT PROD	1.878	67.4	A	0	0	0	0	0

(continued)

Subject Category, Area **Pharmacology and Pharmacy**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ANN PHARMACOTHER	1.868	66.9	A	1	7	0	3	11
PLANTA MED	1.831	66.3	B	1	0	0	0	1
LIFE SCI	1.808	65.7	B	72	126	16	171	385
EXP CLIN PSYCHOPHARM	1.747	65.2	B	0	0	0	0	0
NEUROTOXICOLOGY	1.740	64.6	B	0	0	1	0	1
PHARMACOL BIOCHEM BE	1.732	63.5	B	7	1	2	13	23
THER DRUG MONIT	1.732	64.1	B	0	0	0	0	0
EUR J CLIN PHARMACOL	1.729	63.0	B	0	6	5	4	15
PHARMACOTHERAPY	1.724	62.4	B	0	0	0	0	0
CHEM BIOL INTERACT	1.707	61.9	B	0	0	0	1	1
PHARM SCI TECHNOL TO	1.671	61.3	B	0	0	0	0	0
CHIRALITY	1.603	60.8	B	1	1	0	3	5
J DRUG TARGET	1.582	60.2	B	0	0	0	0	0
ANTI CANCER DRUG	1.570	59.7	B	0	5	0	16	21
CNS DRUGS	1.562	59.1	B	0	0	0	0	0
CLIN EXP PHARMACOL P	1.519	58.6	B	0	0	0	0	0
ALCOHOL	1.495	58.0	B	0	0	0	1	1
BIOMED PHARMACOTHER	1.483	57.5	B	4	2	1	0	7
PHARMACOECONOMICS	1.459	56.9	B	1	1	0	0	2
TOXICON	1.445	56.4	B	0	0	0	0	0
DRUG DEVELOP RES	1.442	55.8	B	0	0	0	0	0
J LIPOSOME RES	1.429	55.2	B	0	0	0	0	0
TOXICOLOGY	1.427	54.7	B	0	0	0	0	0
QUANT STRUCT ACT REL	1.397	54.1	B	0	0	0	0	0
IMMUNOPHARMACOLOGY	1.370	53.6	B	1	6	0	7	14
J ANTIBIOT	1.347	53.0	B	2	0	0	4	6
INT J NEUROPSYCHOPH	1.323	52.5	B	0	0	0	0	0
INVEST NEW DRUG	1.322	51.9	B	0	0	0	0	0
JPN J PHARMACOL	1.317	51.4	B	1	2	9	17	29
BIOMED CHROMATOGR	1.311	50 8	B	65	0	3	5	73
MED LETT DRUGS THER	1.279	50 3	B	0	0	0	0	0
CLIN EXP HYPERTENS	1.266	49.7	B	0	4	2	10	16
FUNDAM CLIN PHARM	1.265	49.2	B	0	0	0	2	2
COMP BIOCHEM PHYS C	1 249	48.6	B	0	0	0	0	0
CAN J PHYSIOL PHARM	1.245	48.1	B	0	0	0	0	0
J PHARM PHARMACOL	1 229	47 5	B	14	14	1	72	101
INT J CLIN PHARM TH	1 222	47.0	B	0	5	0	3	8
EUR J PHARM SCI	1.212	46.4	B	1	0	2	2	5
PHARMACOL TOXICOL	1.189	45.9	B	0	0	0	0	0
CHEM PHARM BULL	1.177	45.3	B	17	1	11	30	59
INT J IMMUNOPATH PH	1.174	44.8	B	0	0	0	0	0
EXPERT OPIN THER PAT	1.156	44 2	B	0	0	0	0	0
AM J HEALTH SYST PH	1.154	43.6	B	0	1	2	0	3
INT J IMMUNOPHARMACO	1.142	43.1	B	5	2	0	5	12
INT J ANTIMICROB AG	1.141	42.5	B	1	0	0	3	4
GEN PHARMACOL VASC S	1.140	42.0	B	5	17	1	17	40
HUM PSYCHOPHARM CLIN	1.103	41.4	B	0	0	0	0	0
PULM PHARMACOL THER	1.094	40.9	B	1	0	0	0	1
PROG NEURO PSYCHOPH	1.078	40.3	B	0	0	0	1	1
EUR J PHARM BIOPHARM	1 077	39.8	B	0	0	0	2	2
J MICROENCAPSUL	1.076	39.2	B	11	0	11	26	48
ENVIRON TOXICOL PHAR	1.071	38.7	B	0	0	0	0	0
REGUL TOXICOL PHARM	1.042	38.1	B	0	1	0	0	1
INT J PHARM	1.024	37.6	B	15	1	3	17	36
CHEMOTHERAPY	1.021	37.0	B	4	14	0	7	25
J PHARMACEUT BIOMED	1.013	36.5	B	30	6	4	12	52
CANCER BIOTHER RADIO	0.989	35.9	B	0	0	0	1	1
CARDIOVASC DRUG THER	0.951	35.4	B	1	2	0	3	6
SKIN PHARMACOL APPL	0.940	34.8	B	0	0	0	1	1
ARCH PHARM	0.923	34.3	B	4	0	0	1	5
J CHEMOTHERAPY	0.921	33.7	B	0	5	1	1	7
J CLIN PHARM THER	0.902	33.1	C	0	8	6	4	18
DRUG EXP CLIN RES	0.897	32.6	C	6	4	0	0	10
ADV THER	0.896	32.0	C	0	0	0	6	6
PHARMACOLOGY	0.893	31.5	C	3	12	2	36	53
CLIN DRUG INVEST	0.888	30.9	C	0	0	0	0	0
REV CONTEMP PHARMACO	0.887	30.4	C	0	0	0	0	0

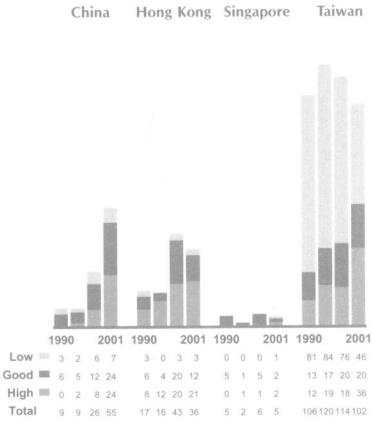
(continued)

Subject Category, Area **Pharmacology and Pharmacy**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
BIOL PHARM BULL	0.885	29.8	C	7	2	1	12	22
CARDIOVASC DRUG REV	0.881	29.3	C	0	0	0	0	0
PHARMACOEPIDEM DR S	0.867	28.7	C	0	0	0	0	0
AM J PHARM EDUC	0.852	28.2	C	0	0	0	0	0
J PHARMACOKINET BIOP	0.848	27.6	C	0	0	0	0	0
DRUG NEWS PERSPECT	0.835	27.1	C	0	0	0	0	0
BIOPHARM DRUG DISPOS	0.819	26.5	C	0	0	0	11	11
PHARMACOL RES	0.805	26.0	C	12	7	3	3	25
BIOLOGICALS	0.789	25.4	C	2	0	0	0	2
PHYTOMEDICINE	0.779	24.9	C	1	0	0	0	1
J AUTON PHARMACOL	0.777	24.3	C	0	7	4	8	19
PHARM WORLD SCI	0.774	23.8	C	0	0	0	1	1
FOOD DRUG LAW J	0.771	23.2	C	0	0	0	0	0
IMMUNOPHARM IMMUNOT	0.761	22.7	C	0	0	0	0	0
J OCUL PHARMACOL TH	0.757	22.1	C	3	0	1	39	43
J LABELLED COMPD RAD	0.756	21.5	C	0	0	0	0	0
ARZNEIMITTEL FORSCH	0.671	21.0	C	5	0	0	2	7
J VET PHARMACOL THER	0.648	20.4	C	1	0	0	0	1
ARCH PHARM RES	0.629	19.9	C	0	0	1	0	1
J INT MED RES	0.620	19.3	C	2	1	0	1	4
DRUG CHEM TOXICOL	0.619	18.2	C	1	0	0	0	1
DRUG DEV IND PHARM	0.619	18.8	C	10	0	1	14	25
DRUG INF J	0.616	17.7	C	0	0	0	0	0
BIODRUGS	0.614	17.1	C	0	0	0	0	0
DRUG DELIV	0.596	16.6	C	1	0	0	0	1
J ETHNOPHARMACOL	0.575	16.0	C	0	0	0	0	0
FARMACO	0.565	15.5	C	0	0	0	0	0
PDA J PHARM SCI TECH	0.564	14.9	C	0	0	1	0	1
FORMULARY	0.547	14.4	C	0	0	0	0	0
METHOD FIND EXP CLIN	0.543	13.8	C	36	20	5	3	64
CURR THER RES CLIN E	0.519	13.3	C	0	0	0	0	0
STP PHARMA SCI	0.496	12.7	C	0	0	0	0	0
RES COMMUN MOL PATH	0.495	12.2	C	4	3	0	10	17
EUR J DRUG METAB PH	0.488	11.6	C	0	0	0	0	0
ACTA PHARMACOL SIN	0.485	11.0	C	1249	13	0	1	1263
PHARMAZIE	0.471	10.5	C	13	2	1	2	18
POL J PHARMACOL	0.456	9.9	C	0	0	0	0	0
THERAPIE	0.432	9.4	C	0	0	0	0	0
PHYTOTHER RES	0.422	8.8	C	2	1	2	5	10
INT J TOXICOL	0.416	8.3	C	0	0	0	0	0
INT J CLIN PHARM RES	0.410	7.7	C	1	4	0	0	5
J PHARMACOL TOXICOL	0.350	7.2	C	0	1	0	0	1
DRUGS TODAY	0.339	6.6	C	0	0	0	0	0
PHARM IND	0.314	6.1	C	0	0	0	0	0
YAKUGAKU ZASSHI	0.301	5.5	C	1	0	0	0	1
PSYCHOPHARMAKOTHERAP	0.301	5.0	C	0	0	0	0	0
J ASIAN NAT PROD RES	0.294	4.4	C	1	0	0	0	1
FITOTERAPIA	0.278	3.9	C	12	0	0	0	12
J FOOD DRUG ANAL	0.227	3.3	C	0	0	0	0	0
BIOPHARM APPL T BIO	0.200	2.8	C	0	0	0	0	0
CLIN RES REGUL AFF	0.138	2.2	C	0	0	0	0	0
PHARM BIOL	0.132	1.7	C	0	0	0	0	0
DRUG FUTURE	0.015	1.1	C	0	0	0	0	0
GIORN NEUROPSICOFARM	0.000	0.6	C	0	0	0	0	0
Total				**1830**	**574**	**197**	**1268**	**3869**

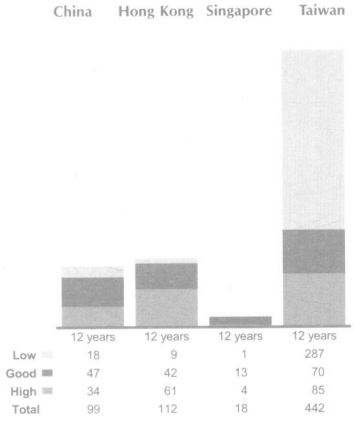
Physiology

Number of full papers (with impact factor) in Medline

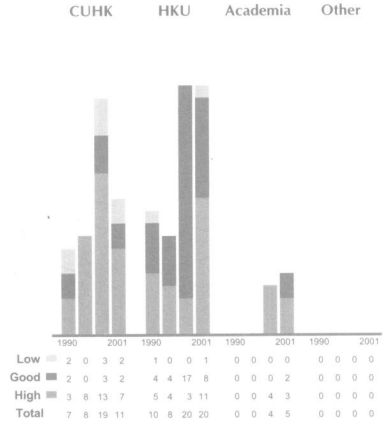
Three year groups



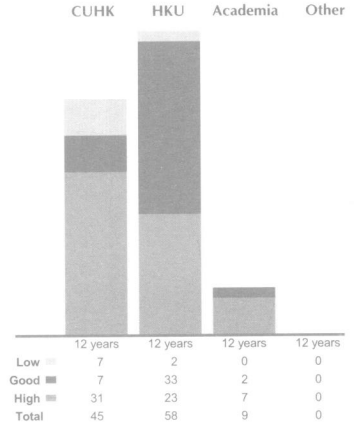
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



Physiology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Physiology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Physiology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
PHYSIOL REV	27.677	100.0	A	0	0	0	0	0
ANNU REV PHYSIOL	18.848	98 7	A	0	0	0	0	0
J GEN PHYSIOL	6.082	97 4	A	0	0	0	3	3
REV PHYSIOL BIOCH P	5.389	96.1	A	0	0	0	0	0
J PHYSIOL LONDON	4.455	94 7	A	5	17	0	20	42
AM J PHYSIOL RENAL	4.129	93 4	A	0	0	0	1	1
AM J PHYSIOL CELL PH	4 086	92.1	A	0	4	0	2	6
J NEUROPHYSIOL	3.855	90 8	A	5	0	0	7	12
J PINEAL RES	3.779	89 5	A	1	17	2	5	25
J CELL PHYSIOL	3.474	88.2	A	1	2	0	15	18
AM J PHYSIOL LUNG C	3.303	86 8	A	0	0	0	1	1
AM J PHYSIOL HEART C	3.243	85 5	A	1	3	0	3	7
AM J PHYSIOL ENDOC M	3.183	84 2	A	0	0	0	0	0
AM J PHYSIOL GASTR L	3.115	82.9	A	0	2	0	1	3
PSYCHOPHYSIOLOGY	3.106	81.6	A	1	0	0	0	1
J MEMBRANE BIOL	2.973	80 3	A	1	5	0	2	8
J BIOL RHYTHM	2.867	78 9	A	0	0	0	0	0
AM J PHYSIOL REG I	2 765	77 6	A	1	2	0	1	4
J VASC RES	2.710	76 3	A	1	0	0	0	1
EXERCISE SPORT SCI R	2.667	75 0	A	0	0	0	0	0
REGUL PEPTIDES	2.634	73.7	A	12	3	2	14	31
PHYSIOL ZOOL	2.543	72 4	A	1	0	0	0	1
J MAMMARY GLAND BIOL	2.493	71.1	A	0	0	0	0	0
J APPL PHYSIOL	2 297	69.7	A	0	0	0	0	0
PFLUG ARCH EUR J PHY	2.203	68.4	A	4	5	0	10	19
CHEM SENSES	2.176	67.1	A	0	1	0	0	1
NEWS PHYSIOL SCI	2 060	65.8	B	0	0	0	0	0
J SLEEP RES	2 022	64.5	B	0	1	0	0	1
CHRONOBIOL INT	1.883	63.2	B	0	0	0	1	1
ACTA PHYSIOL SCAND	1.764	61.8	B	0	0	0	6	6
PANCREAS	1.648	60.5	B	3	0	1	14	18
RESP PHYSIOL	1.575	59.2	B	0	0	0	0	0
CRYOBIOLOGY	1.532	57.9	B	9	0	0	2	11
CLIN EXP PHARMACOL P	1.519	56.6	B	23	36	8	29	96
J COMP PHYSIOL A	1.496	55 3	B	1	0	0	0	1
INT J PSYCHOPHYSIOL	1.489	53.9	B	0	0	0	0	0
J INSECT PHYSIOL	1.468	52.6	B	0	0	0	0	0
EUR J APPL PHYSIOL	1.404	51.3	B	0	1	0	0	1
KIDNEY BLOOD PRESS R	1.378	50.0	B	0	0	0	1	1
PHYSIOL RES	1.366	48.7	B	0	0	0	0	0
JPN J PHYSIOL	1.351	47.4	B	4	1	1	9	15
J PHYSIOL PARIS	1.339	46.1	B	1	0	0	0	1
J COMP PHYSIOL B	1.324	44.7	B	1	0	0	0	1
CLIN J SPORT MED	1.255	43.4	B	0	0	0	0	0
CAN J PHYSIOL PHARM	1.245	42.1	B	3	2	3	7	15
FISH PHYSIOL BIOCHEM	1.240	40.8	B	0	0	0	0	0
PESTIC BIOCHEM PHYS	1.233	39.5	B	0	0	0	0	0
ARCH INSECT BIOCHEM	1.159	38.2	B	1	0	0	0	1
J ELECTROMYOGR KINES	1.146	36.8	B	0	1	0	0	1
PHYSIOL BIOCHEM ZOOL	1.135	35.5	B	0	0	0	1	1
CAN J APPL PHYSIOL	1.119	34.2	B	1	0	0	0	1
EXP PHYSIOL	1.057	32.9	C	0	5	0	0	5
CRYO LETT	1.053	31.6	C	0	0	0	0	0
J PHYSIOL PHARMACOL	1.025	30.3	C	0	0	0	0	0
Q J EXP PSYCHOL B	1.000	28.9	C	0	0	0	0	0
CLIN PHYSIOL	0.984	27.6	C	1	0	0	0	1
LYMPHOLOGY	0.974	26.3	C	11	0	0	1	12
J PHYSIOL BIOCHEM	0.958	25.0	C	0	0	0	0	0
INT J PANCREATOL	0.924	23.7	C	0	1	0	1	2
PHYSIOL MEAS	0.905	22.4	C	0	0	1	0	1

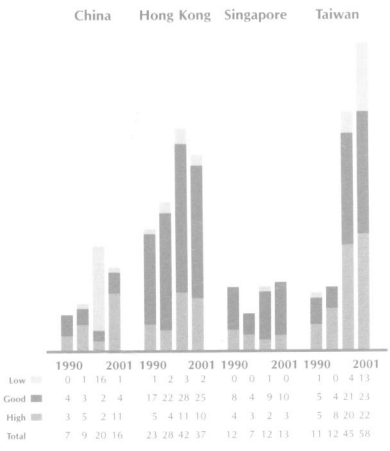
(continued)

Subject Category, Area **Physiology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
COMP BIOCHEM PHYS A	0 883	21 1	C	0	0	0	1	1
ARCH PHYSIOL BIOCHEM	0 841	19 7	C	1	0	0	0	1
J BIOL REG HOMEOS AG	0 803	18 4	C	1	0	0	0	1
HYPERTENS PREGNANCY	0 750	17 1	C	0	1	0	0	1
PEDIATR EXERC SCI	0 732	15 8	C	0	0	0	0	0
INT J BIOMETEOROL	0 652	14 5	C	1	0	0	0	1
CURR TOP CELL REGUL	0 636	13 2	C	0	0	0	0	0
NEUROPHYSIOL CLIN	0 516	11 8	C	0	0	0	0	0
CHINESE J PHYSIOL	0 422	10 5	C	3	2	0	284	289
GEN PHYSIOL BIOPHYS	0 417	9 2	C	0	0	0	0	0
ZH VYSSH NERV DEYAT+	0 374	7 9	C	0	0	0	0	0
BIOL RHYTHM RES	0 320	6 6	C	0	0	0	0	0
J EVOL BIOCHEM PHYS+	0 205	5 3	C	0	0	0	0	0
KLIN NEUROPHYSIOL	0 203	3 9	C	0	0	0	0	0
JPN J PHYS FIT SPORT	0 135	2 6	C	0	0	0	0	0
ADV PHYSIOL EDUC	0 037	1 3	C	0	0	0	0	0
Total				**99**	**112**	**18**	**442**	**671**

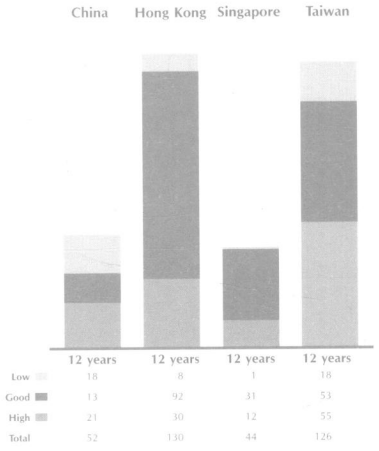
Psychiatry

Number of full papers (with impact factor) in Medline

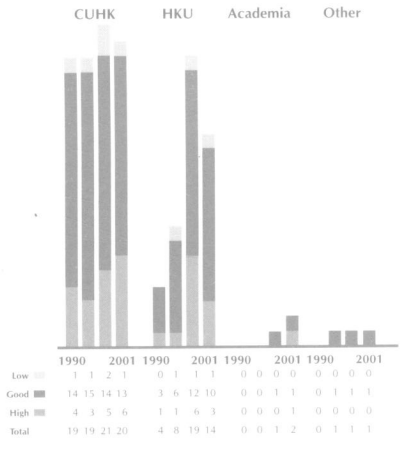
Three year groups



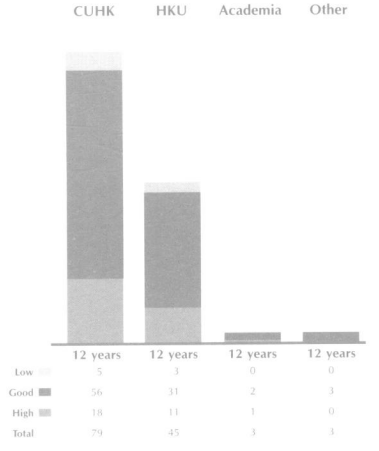
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



Psychiatry subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Psychiatry JCR subject category The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW)

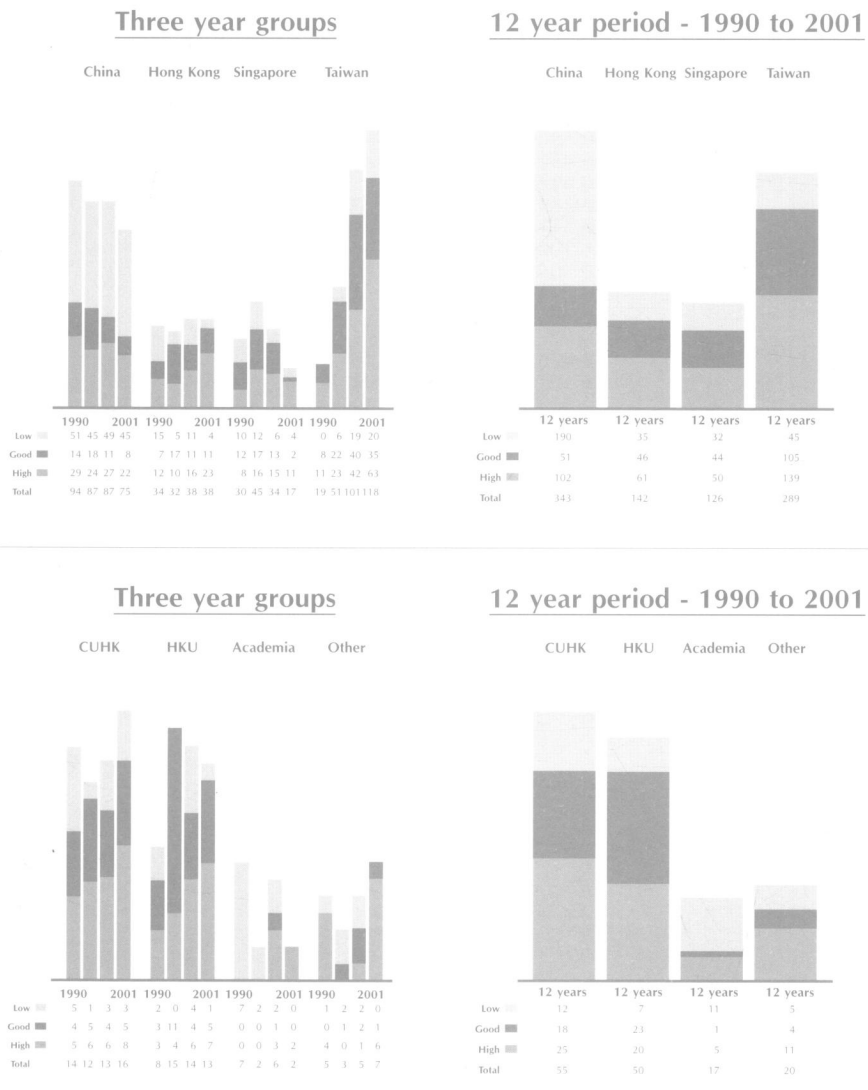
Subject Category Area **Psychiatry**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ARCH GEN PSYCHIAT	11 778	100 0	A	0	1	0	1	2
MOL PSYCHIATR	8 927	98 8	A	0	0	0	3	3
AM J PSYCHIAT	6 577	97 6	A	4	3	0	3	10
SCHIZOPHRENIA BULL	6 085	96 3	A	0	1	1	0	2
J CLIN PSYCHOPHARM	5 052	95 1	A	1	2	1	0	4
BRIT J PSYCHIAT	4 827	93 9	A	7	12	6	8	33
NEUROPSYCHOPHARMACOL	4 579	92 7	A	1	0	0	2	3
J CLIN PSYCHIAT	4 454	91 5	A	0	0	0	6	6
BIOL PSYCHIAT	4 269	90 2	A	1	1	1	14	17
SCHIZOPHR RES	3 506	89 0	A	0	3	3	8	14
PSYCHOL MED	3 412	87 8	A	0	0	0	0	0
PSYCHOSOM MED	3 246	86 6	A	1	0	0	0	1
J AM ACAD CHILD PSY	3 175	85 4	A	4	2	0	2	8
J NEUROL NEUROSUR PS	2 846	84 1	A	0	0	0	0	0
PSYCHOPHARMACOL BULL	2 809	82 9	A	0	0	0	0	0
PSYCHOPHARMACOLOGY	2 804	81 7	A	0	2	0	5	7
DRUG ALCOHOL DEPEN	2 689	80 5	A	1	0	0	0	1
PHARMACOPSYCHIATRY	2 681	79 3	A	0	1	0	0	1
ADDICTION	2 494	78 0	A	0	1	0	0	1
J INT NEUROPSYCH SOC	2 376	76 8	A	0	1	0	0	1
PSYCHOTHER PSYCHOSOM	2 372	75 6	A	0	0	0	0	0
J PSYCHIAT RES	2 330	74 4	A	0	0	0	0	0
J PSYCHOPHARMACOL	2 328	73 2	A	0	0	0	0	0
J NEUROPSYCH CLIN N	2 140	72 0	A	1	0	0	0	1
INT CLIN PSYCHOPHARM	2 076	70 7	A	0	0	0	2	2
EUR NEUROPSYCHOPHARM	2 045	69 5	A	0	0	0	1	1
J PSYCHIATR NEUROSCI	2 039	68 3	A	0	0	0	0	0
J CHILD ADOL PSYCHOP	1 982	67 1	A	0	0	0	0	0
AM J ORTHOPSYCHIAT	1 939	65 9	B	0	0	0	0	0
J AFFECT DISORDERS	1 938	64 6	B	0	11	1	6	18
PSYCHIAT RES NEUROIM	1 919	63 4	B	0	0	0	0	0
NEUROCASE	1 871	62 2	B	0	0	0	0	0
J ECT	1 817	61 0	B	0	0	0	0	0
PSYCHIATR SERV	1 795	59 8	B	0	0	0	1	1
ACTA PSYCHIAT SCAND	1 774	58 5	B	5	16	7	11	39
DEMENT GERIATR COGN	1 763	57 3	B	0	0	0	1	1
EXP CLIN PSYCHOPHARM	1 747	56 1	B	0	0	0	0	0
J NERV MENT DIS	1 626	54 9	B	0	8	1	3	12
CAN J PSYCHIAT	1 623	53 7	B	1	4	0	0	5
NEUROPSYCHOBIOLOGY	1 560	52 4	B	0	0	0	1	1
PSYCHIAT RES	1 557	51 2	B	3	2	3	10	18
PSYCHOSOMATICS	1 555	50 0	B	0	0	0	0	0
GEN HOSP PSYCHIAT	1 512	48 8	B	0	5	1	6	12
INT J GERIATR PSYCH	1 495	47 6	B	0	11	3	1	15
J PSYCHOSOM RES	1 446	46 3	B	0	4	0	4	8
COMPR PSYCHIAT	1 400	45 1	B	1	1	0	0	2
EUR ARCH PSY CLIN N	1 385	43 9	B	0	1	0	0	1
INT J EAT DISORDER	1 336	42 7	B	0	1	0	0	1
INT J NEUROPSYCHOPH	1 323	41 5	B	0	0	0	0	0
AUST NZ J PSYCHIAT	1 265	40 2	B	0	25	15	3	43
J INTELL DISABIL RES	1 123	39 0	B	0	2	0	1	3
HUM PSYCHOPHARM CLIN	1 103	37 8	B	0	0	0	0	0
PROG NEURO PSYCHOPH	1 078	36 6	B	2	1	0	2	5
INT J PSYCHIAT MED	1 033	35 4	B	0	0	0	3	3
BEHAV MED	1 000	34 1	B	1	0	0	0	1
J GERIATR PSYCH NEUR	0 909	32 9	C	0	2	0	0	2
NEUROPSY NEUROPSY BE	0 896	31 7	C	0	0	0	1	1
PSYCHIATRY	0 827	30 5	C	0	1	0	0	1
MENT RETARD DEV D R	0 800	29 3	C	0	0	0	0	0
STRESS MEDICINE	0 759	28 0	C	0	0	0	0	0

(continued)

Subject Category Area **Psychiatry**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
EUR PSYCHIAT	0 748	26 8	C	0	0	0	0	0
SUBST USE MISUSE	0 687	25 6	C	1	0	0	0	1
FORTSCHR NEUROL PSYC	0 636	23 2	C	0	0	0	0	0
BRIT J MED PSYCHOL	0 562	22 0	C	0	1	0	0	1
PSYCHOPATHOLOGY	0 547	20 7	C	0	0	0	1	1
J PSYCHOSOM OBST GYN	0 529	19 5	C	0	1	0	0	1
Z PSYCHOSOM MED PSYC	0 490	18 3	C	0	0	0	0	0
PSYCHIAT CLIN NEUROS	0 452	17 1	C	17	3	1	15	36
CHILD PSYCHIAT HUM D	0 422	15 9	C	0	0	0	1	1
NEUROPSYCHIATRIE	0 387	14 6	C	0	0	0	0	0
VERHALTENSTHERAPIE	0 311	13 4	C	0	0	0	0	0
ACTAS LUSO ESP NEUR	0 302	12 2	C	0	0	0	0	0
PSYCHOPHARMAKOTHERAP	0 301	11 0	C	0	0	0	0	0
NEUROL PSYCHIAT BR	0 278	9 8	C	0	0	0	0	0
NERVENHEILKUNDE	0 276	8 5	C	0	0	0	0	0
ENCEPHALE	0 262	7 3	C	0	0	0	0	0
ANN MED PSYCHOL	0 236	6 1	C	0	0	0	0	0
ARQ NEURO PSIQUIAT	0 197	4 9	C	0	0	0	0	0
ZH NEVROPATOL PSIKH	0 109	3 7	C	0	0	0	0	0
ACTAS ESP PSIQUIATRI	0 098	2 4	C	0	0	0	0	0
ACTA NEUROPSYCHIATR	0 036	1 2	C	0	0	0	0	0
Total				**52**	**130**	**44**	**126**	**352**

Public, Environmental and Occupational Health

Number of full papers (with impact factor) in Medline



Public, Environmental and Occupational Health subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Public, Environmental and Occupational Health JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Public, Environmental and Occupational Health**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ANNU REV PUBL HEALTH	4.524	100.0	A	0	0	0	0	0
CANCER EPIDEM BIOMAR	4.354	98.9	A	10	2	3	5	20
AM J EPIDEMIOL	3.870	97.7	A	7	4	0	17	28
EPIDEMIOLOGY	3.632	96.6	A	4	0	0	3	7
AM J PUBLIC HEALTH	3.269	95.5	A	2	1	1	4	8
ENVIRON HEALTH PERSP	3.033	94.3	A	7	0	4	10	21
DRUG SAFETY	2.763	93.2	A	0	1	0	0	1
MED CARE	2.535	92 0	A	1	0	0	0	1
CANCER CAUSE CONTROL	2.464	90.9	A	3	0	3	3	9
J TOXICOL ENV HEAL B	2.360	89.8	A	0	0	0	0	0
OCCUP ENVIRON MED	2.262	88.6	A	4	1	8	18	31
EPIDEMIOL REV	2.250	87.5	A	0	0	0	0	0
AM J PREV MED	2.192	86.4	A	0	1	0	2	3
QUAL LIFE RES	2.183	85.2	A	1	0	1	1	3
TOXICOL IND HEALTH	2.151	84.1	A	1	0	0	0	1
INFECT CONT HOSP EP	2.082	83.0	A	0	4	1	8	13
J CLIN EPIDEMIOL	2.075	81.8	A	2	3	0	8	13
PALLIATIVE MED	1.989	80.7	A	0	3	0	1	4
J MED SCREEN	1.986	79.5	A	2	0	0	0	2
B WORLD HEALTH ORGAN	1.937	78.4	A	13	1	2	0	16
WHO TECH REP SER	1.900	77.3	A	0	0	0	0	0
INT J EPIDEMIOL	1.892	76.1	A	28	7	9	22	66
ENVIRON RES	1.845	75.0	A	11	0	3	22	36
ANN EPIDEMIOL	1.844	73.9	A	1	2	0	1	4
J EPIDEMIOL COMMUN H	1.827	72.7	A	1	13	7	3	24
PSYCHIATR SERV	1.795	71.6	A	0	4	0	0	4
EPIDEMIOL INFECT	1.775	70.5	A	4	14	7	11	36
AM J TROP MED HYG	1.765	69.3	A	0	0	0	0	0
THER DRUG MONIT	1.732	68.2	A	0	0	0	0	0
STAT MED	1.717	65.9	B	0	1	0	0	1
TOB CONTROL	1.717	67.0	A	0	0	1	0	1
NEUROEPIDEMIOLOGY	1.654	64.8	B	4	9	0	11	24
ARCH ENVIRON HEALTH	1.613	63.6	B	8	0	1	36	45
SCAND J WORK ENV HEA	1.574	62.5	B	2	0	7	3	12
PREV MED	1.557	61.4	B	0	2	2	6	10
PUBLIC HEALTH REP	1.517	60.2	B	0	1	0	0	1
J EXPO ANAL ENV EPID	1.489	59.1	B	0	0	0	1	1
T ROY SOC TROP MED H	1.485	58.0	B	0	0	0	0	0
J ADOLESCENT HEALTH	1.415	56.8	B	0	3	0	4	7
J WOMENS HEALTH	1.395	55.7	B	0	0	0	0	0
COMMUNITY DENT ORAL	1.350	53.4	B	6	20	7	3	36
TROP MED INT HEALTH	1.350	54.5	B	0	0	1	0	1
GENET EPIDEMIOL	1.313	52.3	B	1	0	3	2	6
AM J IND MED	1.277	51.1	B	17	1	12	8	38
PAEDIATR PERINAT EP	1.265	50.0	B	0	1	0	0	1
J OCCUP ENVIRON MED	1.251	48.9	B	2	2	1	9	14
SCAND J SOC MED	1.250	47.7	B	0	1	0	0	1
EUR J PUBLIC HEALTH	1.165	46.6	B	0	0	0	0	0
ANN OCCUP HYG	1.064	45.5	B	1	0	0	0	1
QUAL HEALTH CARE	1.026	44.3	B	0	0	0	0	0
J PUBLIC HEALTH MED	1.015	43.2	B	1	3	3	2	9
J TOXICOL ENV HEAL A	1.009	42.0	B	0	0	0	1	1
ANN TROP MED PARASIT	0.988	40.9	B	0	0	0	0	0
INT J TECHNOL ASSESS	0.984	39.8	B	0	0	0	0	0
J AEROSOL MED	0.929	38.6	B	0	0	0	0	0
INT ARCH OCC ENV HEA	0.928	37.5	B	6	0	7	14	27
EUR J EPIDEMIOL	0.918	36.4	B	3	1	0	5	9
J OCCUP HEALTH	0.892	35.2	B	0	0	0	0	0
PATIENT EDUC COUNS	0.875	34.1	B	0	1	0	0	1
ANN HUM BIOL	0.835	33.0	C	10	2	3	0	15

(continued)

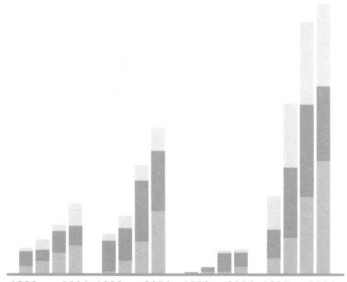
Subject Category, Area **Public, Environmental and Occupational**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
J SCHOOL HEALTH	0 789	31 8	C	1	0	0	0	1
FLUORIDE	0 690	30.7	C	0	0	0	0	0
J PUBLIC HEALTH POL	0 674	29 5	C	0	0	0	0	0
J ENVIRON SCI HEAL B	0 673	28 4	C	0	0	1	15	16
AVIAT SPACE ENVIR MD	0 658	27.3	C	0	0	0	0	0
J PUBLIC HEALTH DENT	0 656	26.1	C	0	4	0	0	4
PUBLIC HEALTH	0 600	25 0	C	2	12	0	13	27
AM IND HYG ASSOC J	0.565	23 9	C	2	0	1	10	13
OCCUP MED OXFORD	0 531	22 7	C	0	5	18	5	28
IND HEALTH	0 500	20 5	C	0	1	0	0	1
REV EPIDEMIOL SANTE	0 500	21 6	C	0	0	0	0	0
BIOMED ENVIRON SCI	0.400	19 3	C	167	11	1	1	180
J WOMEN HEALTH GEN B	0.395	18.2	C	0	0	0	1	1
OCCUP MED STATE ART	0.387	17 0	C	0	0	1	0	1
ENVIRON GEOCHEM HLTH	0.351	15.9	C	0	0	0	0	0
J URBAN HEALTH	0.345	14 8	C	0	0	0	0	0
SCAND J PUBLIC HEALT	0.340	13 6	C	0	0	0	0	0
WORLD HEALTH FORUM	0.315	12 5	C	6	0	7	0	13
TROP DOCT	0.282	11.4	C	1	0	0	0	1
ZBL HYG UMWELTMED	0 244	10 2	C	0	0	0	0	0
INDOOR BUILT ENVIRON	0.243	9.1	C	0	0	0	0	0
SOZ PRAVENTIV MED	0 238	8.0	C	0	0	0	0	0
J ENVIRON HEALTH	0 188	6.8	C	0	0	0	0	0
INT J ENVIRON HEAL R	0 172	5 7	C	0	0	0	0	0
B SOC PATHOL EXOT	0 151	4.5	C	0	0	0	0	0
WILD ENVIRON MED	0 098	3 4	C	1	0	0	0	1
INT J HYG ENVIR HEAL	0 080	2 3	C	0	0	0	0	0
J HEALTH POPUL NUTR	0.037	1 1	C	0	0	0	0	0
Total				**343**	**142**	**126**	**289**	**900**

Radiology, Nuclear Medicine and Medical Imaging

Number of full papers (with impact factor) in Medline

Three year groups

China Hong Kong Singapore Taiwan



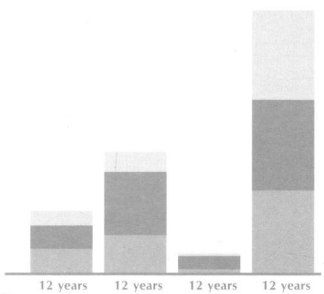
	1990	2001	1990	2001	1990	2001	1990	2001
Low	2	0	3	2	0	0	1	0
Good	2	9	3	6	2	0	11	4
High	7	6	9	13	2	4	12	9
Total	11	15	15	21	4	4	24	13

	1990	2001	1990	2001	1990	2001	1990	2001
Low	3	14	16	12	1	10	3	9
Good	5	15	14	23	11	14	3	14
High	0	0	14	41	12	41	16	23
Total	8	29	44	76	24	65	22	46

	1990	2001	1990	2001	1990	2001	1990	2001
Low	0	3	9	18	1	3	4	9
Good	4	3	14	12	2	4	8	18
High	9	16	23	31	6	5	5	16
Total	13	22	46	61	9	12	14	42

12 year period - 1990 to 2001

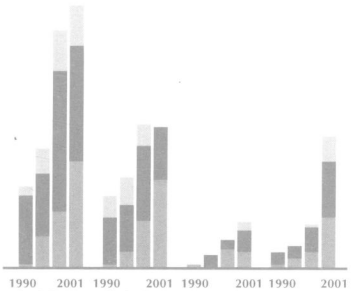
China Hong Kong Singapore Taiwan



	12 years	12 years	12 years	12 years
Low	58	79	11	343
Good	90	243	53	349
High	96	149	18	321
Total	244	471	82	1013

Three year groups

CUHK HKU Academia Other

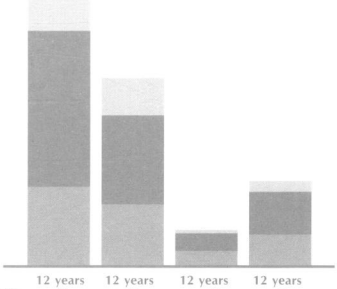


	1990	2001	1990	2001	1990	2001	1990	2001
Low	3	8	13	13	7	9	7	7
Good	22	20	45	37	15	15	24	17
High	1	10	18	34	1	5	15	28
Total	26	38	76	84	23	29	46	52

	1990	2001	1990	2001	1990	2001	1990	2001
Low	0	0	0	3	0	0	1	8
Good	0	4	3	7	4	4	8	18
High	1	0	6	5	1	3	5	16
Total	1	4	9	15	5	7	14	42

12 year period - 1990 to 2001

CUHK HKU Academia Other



	12 years	12 years	12 years	12 years
Low	37	30	3	9
Good	124	71	14	34
High	63	49	12	25
Total	224	150	29	68

Radiology, Nuclear Medicine and Medical Imaging subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Radiology, Nuclear Medicine and Medical Imaging JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Radiology, Nuclear Medicine and Medical Imaging**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
NEUROIMAGE	6.857	100.0	A	0	0	1	0	1
HUM BRAIN MAPP	5.163	98.8	A	1	0	0	0	1
RADIOLOGY	4.130	97.5	A	6	8	1	31	46
EUR J NUCL MED	3.772	96.3	A	3	5	0	34	42
J NUCL MED	3.617	95.0	A	8	3	1	37	49
MAGNET RESON MED	3.121	93.8	A	0	1	0	4	5
INT J RADIAT ONCOL	3.058	92.5	A	18	37	2	32	89
STRAHLENTHER ONKOL	2.846	91.3	A	0	0	0	0	0
RADIAT RES	2.752	90.0	A	9	0	0	7	16
INT J RADIAT BIOL	2.586	88.8	A	11	1	0	11	23
IEEE T MED IMAGING	2.573	87.5	A	2	1	0	6	9
RADIOTHER ONCOL	2.469	86.3	A	1	8	0	5	14
MED PHYS	2.428	85.0	A	5	3	0	10	18
SEMIN RADIAT ONCOL	2.427	83.8	A	0	0	0	0	0
J CARDIOV MAGN RESON	2.304	82.5	A	0	0	0	0	0
SEMIN NUCL MED	2.143	81.3	A	0	0	0	12	12
AM J NEURORADIOL	2.126	80.0	A	3	13	2	34	52
PHYS MED BIOL	2.013	78.8	A	8	13	1	3	25
NMR BIOMED	1.914	77.5	A	0	0	0	0	0
Q J NUCL MED	1.910	76.3	A	0	0	0	0	0
AM J ROENTGENOL	1.863	75.0	A	7	29	4	27	67
J NUCL CARDIOL	1.854	73.8	A	2	0	1	3	6
ULTRASOUND MED BIOL	1.822	72.5	A	6	7	0	30	43
ULTRASONIC IMAGING	1.794	71.3	A	0	0	0	4	4
J VASC INTERV RADIOL	1.729	70.0	A	4	2	1	4	11
ULTRASOUND OBST GYN	1.725	68.8	A	0	18	4	27	49
BRAIN TOPOGR	1.596	67.5	A	2	0	0	0	2
NUCL MED BIOL	1.580	66.3	B	8	1	0	8	17
RADIOL CLIN N AM	1.529	65.0	B	0	0	2	1	3
J COMPUT ASSIST TOMO	1.484	63.8	B	2	2	4	23	31
MAGN RESON IMAGING	1.452	62.5	B	6	0	0	5	11
INVEST RADIOL	1.410	61.3	B	4	1	1	2	8
RADIOGRAPHICS	1.396	60.0	B	0	4	0	3	7
JMRI J MAGN RESON IM	1.302	58.8	B	0	1	4	5	10
EUR RADIOL	1.119	57.5	B	0	2	2	2	6
J RADIAT RES	1.111	56.3	B	9	0	0	3	12
RADIAT ENVIRON BIOPH	1.110	55.0	B	2	0	0	0	2
NEUROIMAG CLIN N AM	1.095	53.8	B	0	0	1	0	1
NUCL MED COMMUN	1.039	52.5	B	9	1	4	68	82
CARDIOVASC INTER RAD	1.029	51.3	B	7	1	0	6	14
ROFO FORTSCHR RONTG	1.005	50.0	B	0	0	0	0	0
NEURORADIOLOGY	0.997	48.8	B	3	4	1	49	57
CANCER BIOTHER RADIO	0.989	47.5	B	0	0	0	1	1
HEALTH PHYS	0.988	46.3	B	18	19	0	14	51
J ULTRAS MED	0.966	45.0	B	2	19	2	66	89
NUKLEARMED NUCL MED	0.965	43.8	B	0	0	0	3	3
INT J HYPERTHER	0.952	42.5	B	8	0	2	0	10
BRIT J RADIOL	0.951	41.3	B	3	71	2	24	100
J NEUROIMAGING	0.942	40.0	B	1	1	0	5	7
CLIN RADIOL	0.934	38.8	B	2	101	23	4	130
ULTRASCHALL MED	0.925	37.5	B	0	0	0	0	0
ACAD RADIOL	0.912	36.3	B	3	0	2	2	7
ABDOM IMAGING	0.866	35.0	B	1	4	0	34	39
EUR J RADIOL	0.822	33.8	B	2	11	3	21	37
SEMIN ULTRASOUND CT	0.797	32.5	C	0	1	1	1	3
ACTA RADIOL	0.785	31.3	C	6	5	0	7	18
DENTOMAXILLOFAC RAD	0.780	30.0	C	4	3	0	4	11
J DIGIT IMAGING	0.722	28.8	C	0	0	2	3	5
APPL RADIAT ISOTOPES	0.716	27.5	C	17	10	0	21	48

(continued)

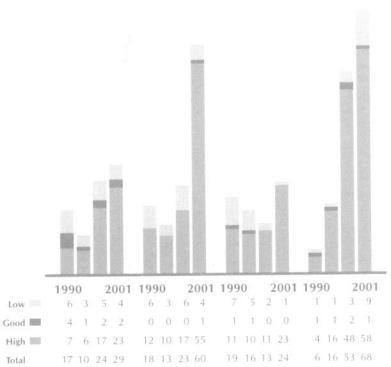
Subject Category, Area **Radiology, Nuclear Medicine and Medical Imaging**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ULTRASONICS	0.711	26.3	C	7	0	1	2	10
SKELETAL RADIOL	0.695	25.0	C	1	11	3	5	20
PEDIATR RADIOL	0.684	23.8	C	1	15	2	27	45
J THORAC IMAG	0.663	22.5	C	0	0	0	3	3
RADIOLOGE	0.608	21.3	C	0	0	0	0	0
SEMIN ROENTGENOL	0.597	20.0	C	0	1	0	0	1
J CLIN ULTRASOUND	0.596	18.8	C	8	14	2	98	122
INTERV NEURORADIOL	0.585	17.5	C	0	0	0	0	0
RADIAT PROT DOSIM	0.581	16.3	C	1	0	0	0	1
INT J CARDIAC IMAG	0.541	15.0	C	0	0	0	2	2
COMPUT MED IMAG GRAP	0.500	13.8	C	2	1	0	13	16
J NEURORADIOLOGY	0.451	12.5	C	0	0	0	0	0
CLIN NUCL MED	0.399	11.3	C	9	8	0	129	146
CLIN IMAG	0.368	10.0	C	1	10	0	28	39
J RADIOL	0.345	8.8	C	1	0	0	0	1
SURG RADIOL ANAT	0.314	7.5	C	0	0	0	0	0
CRIT REV DIAGN IMAG	0.312	6.3	C	0	0	0	0	0
CAN ASSOC RADIOL J	0.268	5.0	C	0	0	0	0	0
SEMIN INTERVENT RAD	0.160	3.8	C	0	0	0	0	0
INT J NEURORADIOL	0.139	2.5	C	0	0	0	0	0
RIV NEURORADIOL	0.051	1.3	C	0	0	0	0	0
Total				**244**	**471**	**82**	**1013**	**1810**

Reproductive Biology

Number of full papers (with impact factor) in Medline

Three year groups

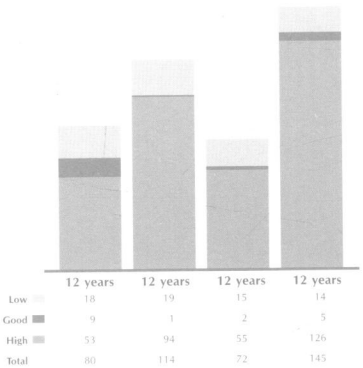
China Hong Kong Singapore Taiwan



	1990	2001	1990	2001	1990	2001	1990	2001
Low	6	3	5	4	6	3	6	4	7	5	2	1	1	1	3	9
Good	4	1	2	2	0	0	0	1	1	1	0	0	1	1	2	1
High	7	6	17	23	12	10	17	55	11	10	11	23	4	16	48	58
Total	17	10	24	29	18	13	23	60	19	16	13	24	6	16	53	68

12 year period - 1990 to 2001

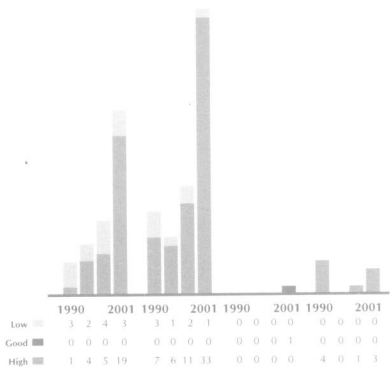
China Hong Kong Singapore Taiwan



	12 years	12 years	12 years	12 years
Low	18	19	15	14
Good	9	1	2	5
High	53	94	55	126
Total	80	114	72	145

Three year groups

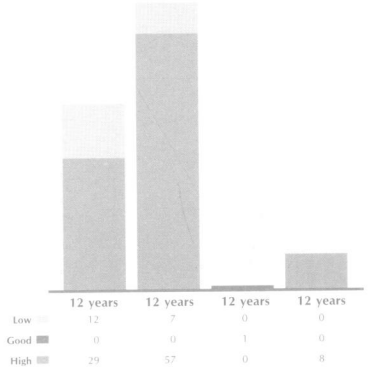
CUHK HKU Academia Other



	1990	2001	1990	2001	1990	2001	1990	2001
Low	3	2	4	3	3	1	2	1	0	0	0	0	0	0	0	0
Good	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
High	1	4	5	19	7	6	11	33	0	0	0	0	4	0	1	3
Total	4	6	9	22	10	7	13	34	0	0	0	1	4	0	1	3

12 year period - 1990 to 2001

CUHK HKU Academia Other



	12 years	12 years	12 years	12 years
Low	12	7	0	0
Good	0	0	1	0
High	29	57	0	8
Total	41	64	1	8

Reproductive Biology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Reproductive Biology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

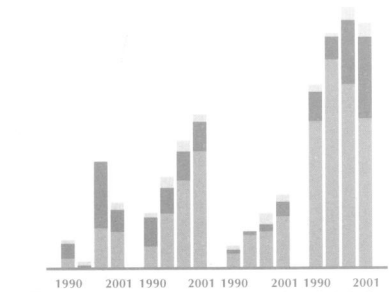
Subject Category, Area **Reproductive Biology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
REV REPROD	3.938	100.0	A	0	0	1	0	1
BIOL REPROD	3.605	95.7	A	12	19	0	9	40
MOL HUM REPROD	3.232	91.3	A	4	3	5	7	19
HUM REPROD	2.997	87.0	A	14	49	24	50	137
HUM REPROD UPDATE	2.887	82.6	A	0	0	1	0	1
FERTIL STERIL	2.854	78.3	A	7	19	18	40	84
PLACENTA	2.587	73.9	A	2	3	1	1	7
MOL REPROD DEV	2.535	69.6	A	14	1	5	19	39
SEX PLANT REPROD	2.260	65.2	B	0	0	0	0	0
THERIOGENOLOGY	2.062	60.9	B	0	0	0	1	1
J REPROD FERTIL	1.970	56.5	B	7	1	2	2	12
SEMIN REPROD ENDOCR	1.952	52.2	B	0	0	0	0	0
AM J REPROD IMMUNOL	1.932	47.8	B	0	0	0	0	0
J REPROD IMMUNOL	1.771	43.5	B	1	0	0	1	2
ZYGOTE	1.365	39.1	B	1	0	0	0	1
REPROD NUTR DEV	1.351	34.8	B	0	0	0	1	1
REPROD TOXICOL	1.347	30.4	C	1	0	0	0	1
REPROD FERT DEVELOP	1.098	26.1	C	0	1	0	0	1
ANIM REPROD SCI	1.080	21.7	C	1	0	0	2	3
INVERTEBR REPROD DEV	0.733	17.4	C	0	0	0	0	0
EUR J OBSTET GYN R B	0.703	13.0	C	2	17	3	12	34
REPROD DOMEST ANIM	0.521	8.7	C	1	0	0	0	1
ADV CONTRACEPT	0.509	4.3	C	13	1	12	0	26
Total				**80**	**114**	**72**	**145**	**411**

Respiratory System

Number of full papers (with impact factor) in Medline

Three year groups

China Hong Kong Singapore Taiwan

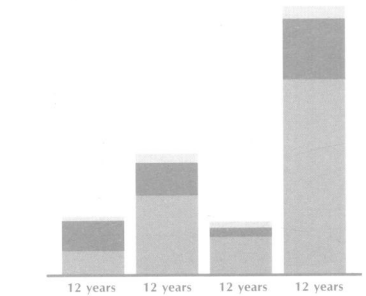


	1990	2001	1990	2001	1990	2001	1990	2001
Low	1	1	0	2	1	3	3	2
Good	4	1	18	6	8	7	8	8
High	3	0	11	10	6	15	24	32
Total	8	2	29	18	15	25	35	42

	1990	2001	1990	2001	1990	2001	1990	2001
Low	1	0	3	2	2	1	4	4
Good	1	1	2	4	8	6	23	22
High	4	9	10	14	40	57	50	41
Total	6	10	15	20	50	64	77	67

12 year period - 1990 to 2001

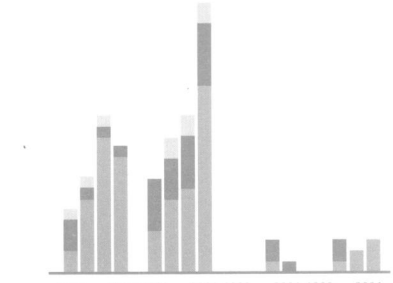
China Hong Kong Singapore Taiwan



	12 years	12 years	12 years	12 years
Low	4	9	6	11
Good	29	31	8	59
High	24	77	37	188
Total	57	117	51	258

Three year groups

CUHK HKU Academia Other

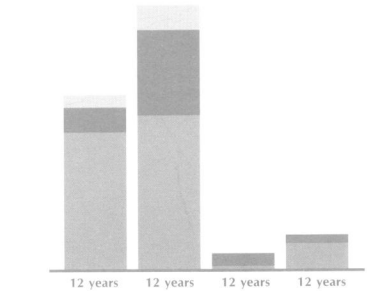


	1990	2001	1990	2001	1990	2001	1990	2001
Low	1	1	3	0	0	2	2	2
Good	3	1	1	1	5	4	5	6
High	2	7	13	11	4	7	8	18
Total	6	9	15	12	9	13	15	26

	1990	2001	1990	2001	1990	2001	1990	2001
Low	0	0	0	0	0	0	0	0
Good	0	0	2	1	0	2	0	0
High	0	0	1	0	0	1	2	3
Total	0	0	3	1	0	3	2	3

12 year period - 1990 to 2001

CUHK HKU Academia Other



	12 years	12 years	12 years	12 years
Low	3	6	0	0
Good	6	20	3	2
High	33	37	1	6
Total	42	63	4	8

Respiratory System subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

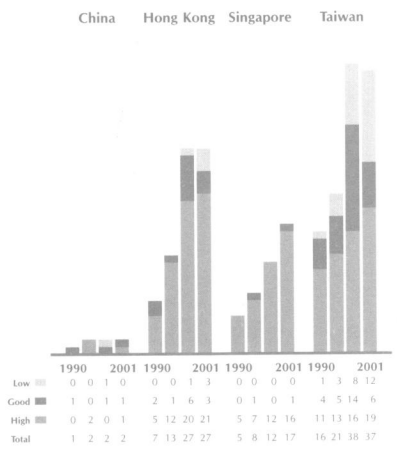
Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Respiratory System JCR subject category The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK) Singapore (SNG) and Taiwan (TW)

Subject Category Area **Respiratory System**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
AM J RESP CRIT CARE	5 443	100 0	A	5	11	3	24	43
AM J RESP CELL MOL	4 353	96 6	A	1	0	0	3	4
THORAX	3 979	93 1	A	3	5	6	23	37
AM J PHYSIOL LUNG C	3 303	89 7	A	1	1	1	1	4
J THORAC CARDIOV SUR	3 057	86 2	A	0	0	0	0	0
EUR RESPIR J	2 590	82 8	A	1	13	11	20	45
J HEART LUNG TRANSPL	2 526	79 3	A	1	0	0	0	1
CHEST	2 451	75 9	A	6	42	13	111	172
INT J TUBERC LUNG D	2 011	72 4	A	6	5	3	6	20
ANN THORAC SURG	1 828	69 0	A	0	0	0	0	0
EXP LUNG RES	1 760	65 5	B	0	0	0	0	0
TOB CONTROL	1 717	62 1	B	0	0	0	1	1
SARCOIDOSIS VASC DIF	1 690	58 6	B	0	0	0	0	0
CLIN CHEST MED	1 627	55 2	B	0	0	0	1	1
RESP PHYSIOL	1 575	51 7	B	4	0	0	6	10
PEDIATR PULM	1 545	48 3	B	2	2	1	13	18
J ASTHMA	1 419	44 8	B	1	5	0	11	17
LUNG CANCER J IASLC	1 401	41 4	B	20	4	0	6	30
RESP MED	1 254	37 9	B	1	15	7	14	37
LUNG	1 188	34 5	B	1	5	0	7	13
EUR J CARDIO THORAC	1 187	31 0	C	0	0	1	0	1
PULM PHARMACOL THER	1 094	27 6	C	1	0	0	0	1
J AEROSOL MED	0 929	24 1	C	0	0	0	0	0
J CARDIOTHOR VASC AN	0 917	20 7	C	1	0	5	0	6
THORAC CARDIOV SURG	0 850	17 2	C	1	0	0	0	1
HEART LUNG	0 620	13 8	C	0	0	0	3	3
RESPIRATION	0 556	10 3	C	1	9	0	8	18
SEM RESP CRIT CARE M	0 336	6 9	C	0	0	0	0	0
REV MAL RESPIR	0 192	3 4	C	0	0	0	0	0
Total				**57**	**117**	**51**	**258**	**483**

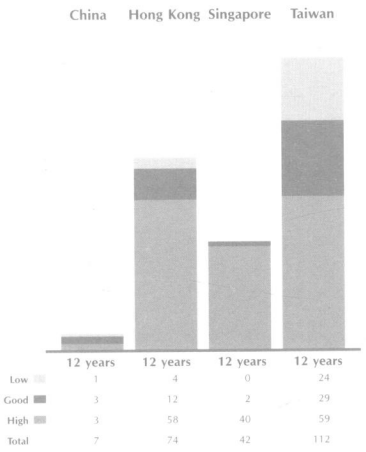
Rheumatology

Number of full papers (with impact factor) in Medline

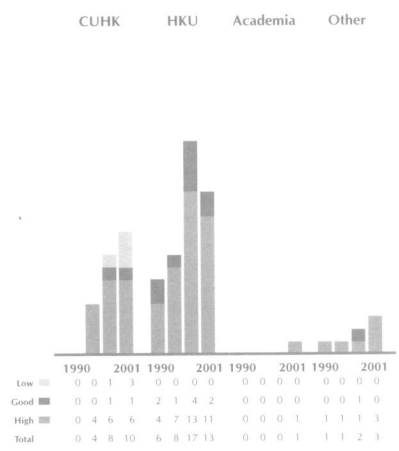
Three year groups



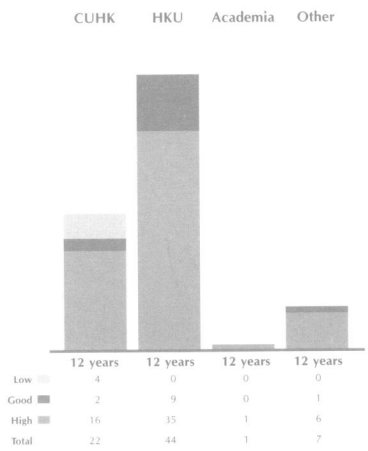
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



Rheumatology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Rheumatology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

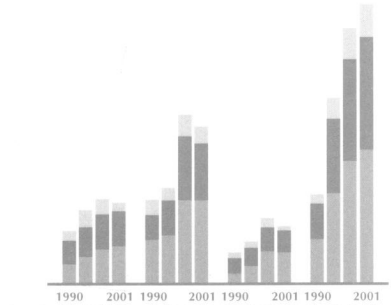
Subject Category, Area **Rheumatology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ARTHRITIS RHEUM	6 841	100.0	A	1	9	1	4	15
BRIT J RHEUMATOL	3 949	95.7	A	1	7	4	6	18
SEMIN ARTHRITIS RHEU	3.066	91 3	A	0	2	0	0	2
J RHEUMATOL	2 910	87 0	A	1	14	14	23	52
RHEUMATOLOGY	2.537	82.6	A	0	4	1	3	8
LUPUS	2 514	78.3	A	0	14	15	10	39
ANN RHEUM DIS	2 444	73 9	A	0	7	5	13	25
RHEUM DIS CLIN N AM	2 257	69.6	A	0	1	0	0	1
OSTEOARTHR CARTILAGE	2.080	65.2	B	0	0	1	0	1
CLIN EXP RHEUMATOL	1 638	60.9	B	1	4	1	9	15
BAILLIERE CLIN RHEUM	1.436	56.5	B	0	0	0	0	0
ARTHRIT CARE RES	1 398	52.2	B	0	0	0	0	0
SCAND J RHEUMATOL	1 396	47.8	B	0	8	0	17	25
RHEUMATOL INT	1 162	43.5	B	2	0	0	3	5
B RHEUM DIS	1 115	39 1	B	0	0	0	0	0
Z RHEUMATOL	0 730	34.8	B	0	0	0	0	0
CLIN RHEUMATOL	0.724	30.4	C	1	2	0	24	27
REV RHUM	0.681	26.1	C	0	0	0	0	0
J MUSCULOSKELET PAIN	0.464	21.7	C	0	0	0	0	0
JCR J CLIN RHEUMATOL	0 384	17.4	C	0	0	0	0	0
AKTUEL RHEUMATOL	0 260	8.7	C	0	0	0	0	0
BEST PRACT RES CL RH	0 260	13.0	C	0	2	0	0	2
JOINT BONE SPINE	0 022	4.3	C	0	0	0	0	0
Total				**7**	**74**	**42**	**112**	**235**

Surgery

Number of full papers (with impact factor) in Medline

Three year groups

China Hong Kong Singapore Taiwan

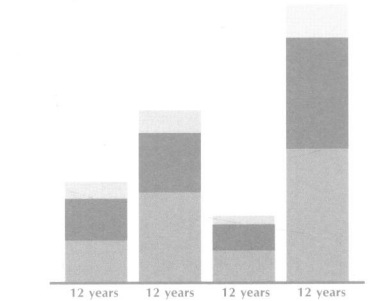


	1990	2001	1990	2001	1990	2001	1990	2001
Low	21	37	33	17	32	27	46	36
Good	50	63	73	75	53	75	136	120
High	42	58	74	80	94	104	178	177
Total	113	158	180	172	179	206	360	333

	1990	2001	1990	2001	1990	2001	1990	2001
Low	12	13	20	9	20	45	66	70
Good	33	38	51	47	77	159	217	240
High	22	38	69	66	95	192	261	285
Total	67	89	140	122	192	396	544	595

12 year period - 1990 to 2001

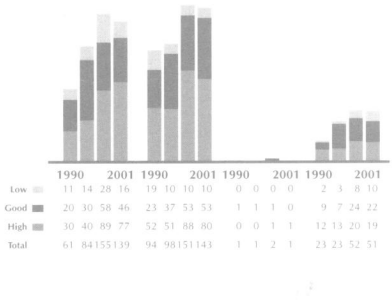
China Hong Kong Singapore Taiwan



	12 years	12 years	12 years	12 years
Low	108	141	54	201
Good	261	384	169	693
High	254	553	195	833
Total	623	1078	418	1727

Three year groups

CUHK HKU Academia Other

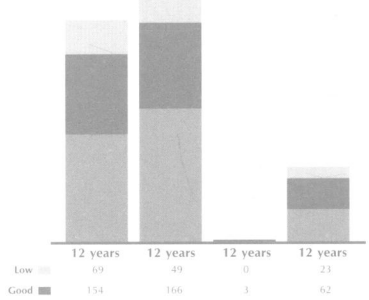


	1990	2001	1990	2001	1990	2001	1990	2001
Low	11	14	28	16	19	10	10	10
Good	20	30	58	46	23	37	53	53
High	30	40	89	77	52	51	88	80
Total	61	84	155	139	94	98	151	143

	1990	2001	1990	2001	1990	2001	1990	2001
Low	0	0	0	0	2	3	8	10
Good	1	1	1	0	9	7	24	22
High	0	0	1	1	12	13	20	19
Total	1	1	2	1	23	23	52	51

12 year period - 1990 to 2001

CUHK HKU Academia Other



	12 years	12 years	12 years	12 years
Low	69	49	0	23
Good	154	166	3	62
High	216	271	2	64
Total	439	486	5	149

Surgery subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Surgery JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Surgery**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
ANN SURG	5.987	100.0	A	1	29	0	11	41
AM J SURG PATHOL	4.269	99.3	A	2	45	0	13	60
TRANSPLANTATION	4.035	98.5	A	0	0	0	1	1
J ENDOVASC SURG	3.276	97.8	A	0	1	0	0	1
J VASC SURG	3.114	97.1	A	1	0	0	4	5
J THORAC CARDIOV SUR	3.057	96.3	A	7	13	0	17	37
BRIT J SURG	2.935	95.6	A	6	62	47	27	142
J NEUROSURG	2.918	94.9	A	11	13	1	23	48
NEUROSURGERY	2.899	94.1	A	10	7	2	26	45
J NEUROL NEUROSUR PS	2.846	93.4	A	2	9	3	16	30
J AM COLL SURGEONS	2.805	92.6	A	2	6	0	16	24
ANN SURG ONCOL	2.799	91.9	A	1	1	2	1	5
SHOCK	2.785	91.2	A	8	0	1	21	30
ARCH SURG CHICAGO	2.629	90.4	A	7	26	2	38	73
SURGERY	2.456	89.7	A	5	17	1	25	48
LASER SURG MED	2.348	89.0	A	4	6	0	6	16
J BONE JOINT SURG AM	2.222	88.2	A	1	9	2	9	21
LIVER TRANSPLANT	2.130	87.5	A	0	0	1	0	1
AM J SURG	2.116	86.8	A	4	33	2	6	45
J CATARACT REFR SURG	2.071	86.0	A	6	15	5	15	41
J REFRACT SURG	2.061	85.3	A	6	1	1	3	11
SURG ENDOSC ULTRAS	2.056	84.6	A	1	29	7	11	48
TRANSPLANT INT	2.049	83.8	A	1	0	0	0	1
WORLD J SURG	2.020	83.1	A	13	32	2	43	90
HEAD NECK J SCI SPEC	1.917	82.4	A	1	35	6	10	52
CLIN TRANSPLANT	1.841	81.6	A	0	0	0	1	1
ANN THORAC SURG	1.828	80.9	A	21	37	8	58	124
CURR PROB SURG	1.826	80.1	A	1	0	0	0	1
ENDOSCOPY	1.817	79.4	A	6	27	4	32	69
LANGENBECK ARCH SURG	1.770	78.7	A	0	0	1	0	1
INT J COLORECTAL DIS	1.707	77.9	A	0	1	10	1	12
DIS COLON RECTUM	1.690	77.2	A	7	9	45	34	95
J SURG RES	1.674	76.5	A	7	1	7	22	37
SEMIN SURG ONCOL	1.650	75.7	A	13	3	2	2	20
DERMATOL SURG	1.647	75.0	A	1	4	2	13	20
J BONE JOINT SURG BR	1.612	74.3	A	8	22	10	4	44
EUR J VASC ENDOVASC	1.565	73 5	A	1	1	0	0	2
J SURG ONCOL	1.541	72.8	A	13	8	0	35	56
ARCH OTOLARYNGOL	1.527	72.1	A	4	13	2	11	30
J TRAUMA	1.498	71.3	A	26	11	2	154	193
OBES SURG	1.464	70.6	A	0	0	0	0	0
EUR J SURG ONCOL	1.434	69.9	A	2	21	0	4	27
PLAST RECONSTR SURG	1.423	69.1	A	44	3	14	118	179
NEUROSURG CLIN N AM	1.265	68.4	A	0	0	0	0	0
SURG CLIN N AM	1.252	67.6	A	0	1	0	1	2
ARTHROSCOPY	1.217	66.9	A	0	2	3	1	6
J PEDIATR SURG	1.216	66.2	B	19	31	14	43	107
J CLIN LASER MED SUR	1.205	65.4	B	3	1	2	10	16
EUR J CARDIO THORAC	1.187	64.7	B	5	3	0	12	20
CLIN ORTHOP RELAT R	1.182	64.0	B	14	30	22	55	121
AM SURGEON	1.101	63.2	B	2	2	7	9	20
ANN VASC SURG	1.073	62.5	B	0	3	0	0	3
SURG NEUROL	1.018	61.8	B	16	8	4	18	46
OTOLARYNG HEAD NECK	0.977	61.0	B	6	21	9	29	65
J SHOULDER ELB SURG	0.973	60.3	B	0	0	0	2	2
ZBL NEUROCHIR	0.939	59.6	B	0	0	0	0	0
J NEUROSURG ANESTH	0.937	58.8	B	0	0	0	1	1
INT J ORAL MAX SURG	0.932	58.1	B	14	21	0	11	46
HEPATO GASTROENTEROL	0.905	57.4	B	12	19	3	170	204
ORAL SURG ORAL MED O	0.865	56.6	B	14	1	2	16	33
ANN PLAS SURG	0.864	55.9	B	8	2	1	63	74
CARDIOVASC SURG	0.862	55.1	B	2	3	2	1	8
BURNS	0.856	54.4	B	69	27	7	39	142
THORAC CARDIOV SURG	0.850	53.7	B	6	1	0	11	18
ACTA NEUROCHIR	0.817	52.9	B	3	6	0	23	32
CLIN PLAST SURG	0.816	52.2	B	0	0	0	5	5
PEDIATR NEUROSURG	0.811	51.5	B	0	0	1	6	7
DIGEST SURG	0.810	50.0	B	2	2	0	2	6

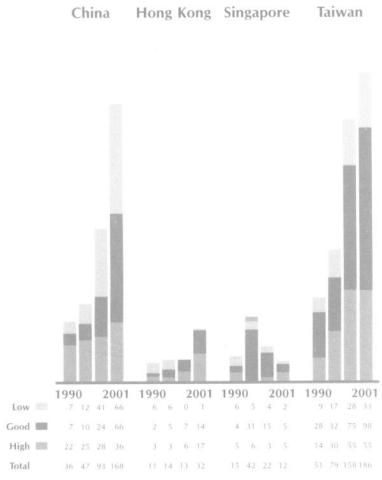
(continued)

Subject Category, Area **Surgery**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
J BURN CARE REHABIL	0.810	50.7	B	0	2	0	1	3
MINIM INVAS NEUROSUR	0.805	49.3	B	0	1	0	0	1
J HAND SURG AM	0.795	48.5	B	11	14	9	11	45
J LAPAROENDOSC ADV A	0.783	47.8	B	0	2	0	5	7
OPHTHALMIC SURG LAS	0.775	47.1	B	2	0	2	5	9
BRIT J ORAL MAX SURG	0.771	46.3	B	7	14	2	2	25
J INVEST SURG	0.756	45.6	B	0	0	0	1	1
EUR SURG RES	0.754	44.9	B	0	0	0	8	8
CHIRURG	0.721	44.1	B	0	0	0	0	0
CLEFT PALATE CRAN J	0.718	43.4	B	3	6	2	8	19
SURG LAPARO ENDO PER	0.691	42.6	B	0	9	6	5	20
TRANSPLANT P	0.678	41.9	B	0	0	0	0	0
BRIT J PLAST SURG	0.675	41.2	B	9	9	4	53	75
EUR J SURG	0.663	40.4	B	0	9	1	25	35
STEREOT FUNCT NEUROS	0.657	39.7	B	7	1	4	8	20
J CRANIO MAXILL SURG	0.636	39.0	B	1	6	2	0	9
AUST NZ J SURG	0.627	38.2	B	2	113	53	1	169
J RECONSTR MICROSURG	0.621	37.5	B	17	3	5	5	30
LASER MED SCI	0.620	36.8	B	0	0	0	0	0
CLIN NEUROL NEUROSUR	0.619	36.0	B	3	11	4	20	38
OPER TECHN SPORT MED	0.606	35.3	B	0	0	0	0	0
J CARDIOVASC SURG	0.573	34.6	B	4	3	1	9	17
PHLEBOLOGY	0.571	33.8	B	0	0	0	0	0
CHILD NERV SYST	0.563	33.1	C	0	4	0	14	18
ANN CHIR GYNAECOL	0.550	32.4	C	0	1	0	0	1
ANN CHIR	0.545	31.6	C	1	0	0	0	1
J CRANIOFAC SURG	0.541	30.9	C	1	0	1	4	6
BRIT J NEUROSURG	0.539	30.1	C	2	8	2	4	16
MICROSURG	0.517	29.4	C	36	4	1	27	68
J ROY COLL SURG EDIN	0.510	28.7	C	3	27	22	0	52
ARCH ORTHOP TRAUM SU	0.507	27.9	C	1	9	0	27	37
NEUROSURG QUART	0.500	27.2	C	0	0	0	0	0
UNFALLCHIRURG	0.496	26.5	C	1	0	0	0	1
J HAND SURG BRIT EUR	0.495	25.7	C	15	23	16	11	65
PEDIATR SURG INT	0.491	25 0	C	1	10	0	22	33
INT SURG	0.488	24.3	C	3	4	3	37	47
GYNAECOL ENDOSC	0.485	23.5	C	0	0	0	0	0
INT J SURG PATHOL	0.463	22 8	C	0	0	0	1	1
SCAND J PLAST RECONS	0.450	22 1	C	2	1	0	3	6
ANN ROY COLL SURG	0.439	21.3	C	0	4	0	0	4
J ENDOVASC THER	0.425	20 6	C	0	0	0	0	0
CAN J SURG	0.422	19.9	C	0	15	0	4	19
AESTHET PLAST SURG	0.414	19.1	C	4	0	0	7	11
NEUROCHIRURGIE	0.390	18 4	C	0	0	0	0	0
NEUROL MED CHIR	0.387	17.6	C	0	0	0	0	0
INJURY	0.363	16.9	C	10	20	6	18	54
NEUROSURG REV	0.358	16.2	C	0	1	0	1	2
SURG TODAY	0.356	15.4	C	7	0	2	9	18
EUR J PEDIATR SURG	0 350	14.7	C	0	2	0	0	2
SURG RADIOL ANAT	0.314	14.0	C	19	0	0	0	19
ZBL CHIR	0.302	13.2	C	0	0	0	0	0
SURG ONCOL	0.293	12 5	C	2	6	1	0	9
MINIM INVASIV THER	0.291	11.8	C	0	0	0	0	0
ACTA CHIR BELG	0.270	11.0	C	0	0	0	0	0
KNEE	0.255	10.3	C	0	0	0	0	0
CRIT REV NEUROSURG	0.233	9.6	C	0	0	0	0	0
CLIN TECH SMALL AN P	0.228	8.8	C	0	0	0	0	0
J CARDIAC SURG	0.224	8.1	C	0	1	0	9	10
TECH NEUROSURG	0.215	7.4	C	0	0	0	0	0
J CHIR PARIS	0.213	6.6	C	0	0	0	0	0
REV CHIR ORTHOP	0.212	5.9	C	0	0	0	1	1
SKULL BASE SURG	0.185	5.1	C	0	0	0	0	0
S AFR J SURG	0.159	4.4	C	0	1	0	2	3
EUR J PLAST SURG	0.159	3.7	C	0	0	0	0	0
NEUROL SURG TOKYO	0.156	2.9	C	0	0	0	0	0
NEUROCIRUGIA	0.154	2.2	C	0	0	0	0	0
CHIR GASTROENTEROL	0.078	1.5	C	0	0	0	0	0
CESK SLOV NEUROL N	0.059	0.7	C	0	0	0	0	0
Total				**623**	**1078**	**418**	**1727**	**3846**

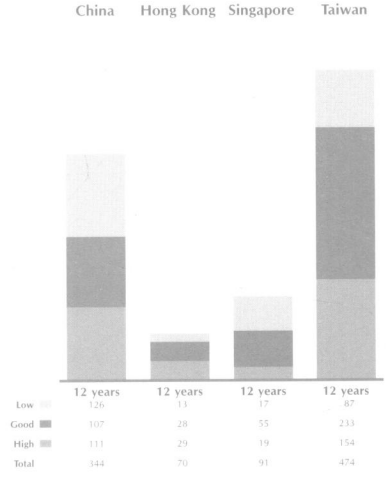
Toxicology

Number of full papers (with impact factor) in Medline

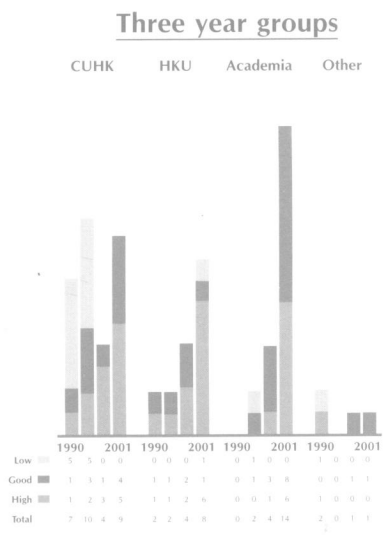
Three year groups



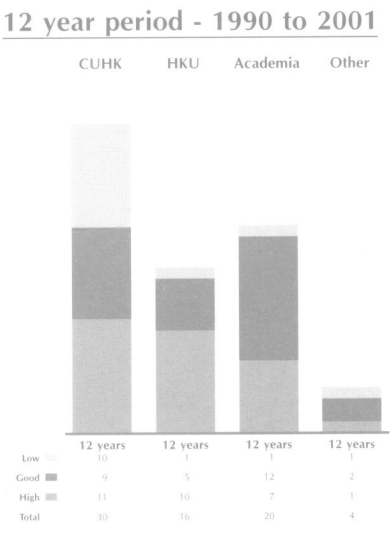
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



Toxicology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

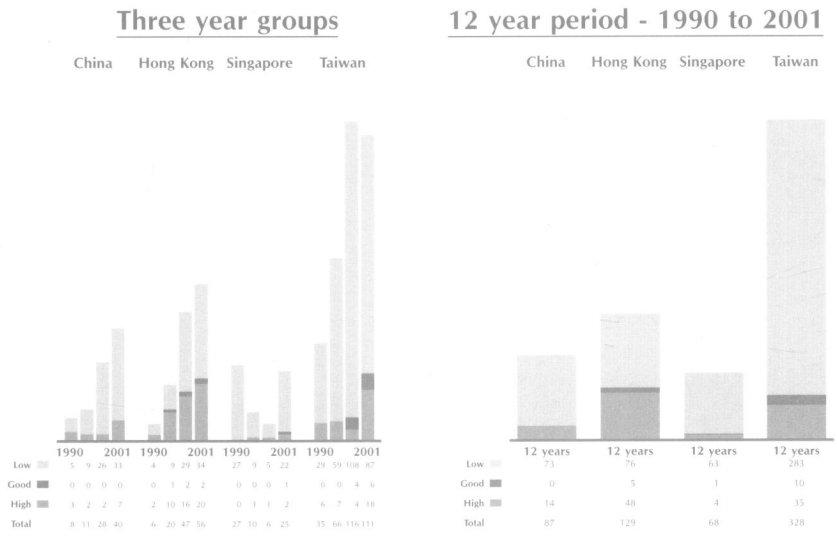
Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Toxicology JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

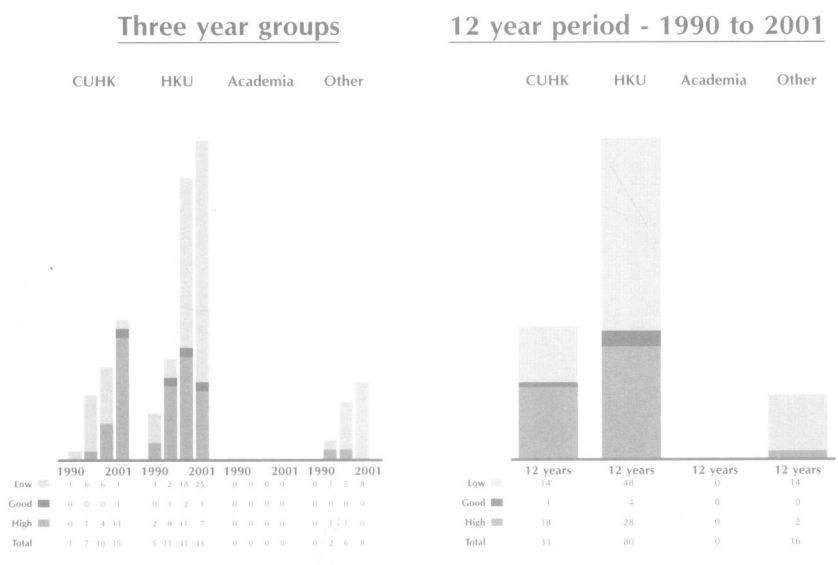
(continued)

Subject Category, Area **Toxicology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
CHEM SPEC BIOAVAILAB	0.690	22.1	C	0	0	0	0	0
EXP TOXICOL PATHOL	0.689	20.8	C	0	0	0	0	0
J APPL TOXICOL	0.659	18.2	C	2	0	3	6	11
J HEALTH SCI	0.659	19.5	C	0	0	0	0	0
DRUG CHEM TOXICOL	0.619	16.9	C	0	0	0	4	4
B ENVIRON CONTAM TOX	0.513	15.6	C	109	8	12	62	191
IND HEALTH	0.500	14.3	C	4	0	0	7	11
VET HUM TOXICOL	0.463	13.0	C	0	0	0	0	0
FOOD AGR IMMUNOL	0.431	11.7	C	0	0	0	0	0
IN VITRO MOL TOXICOL	0.418	10.4	C	0	0	0	0	0
J TOXICOL CUTAN OCUL	0.417	9.1	C	0	0	0	0	0
INT J TOXICOL	0.416	7.8	C	0	0	0	0	0
TOXICOL METHOD	0.375	6.5	C	0	0	0	0	0
TOX SUBST MECH	0.367	5.2	C	0	0	0	0	0
J PHARMACOL TOXICOL	0.350	3.9	C	2	0	2	0	4
ARCH LEBENSMITTELHYG	0.327	2.6	C	0	0	0	0	0
JPN J TOX ENV HEALTH	0.166	1.3	C	0	0	0	0	0
Total				**344**	**70**	**91**	**474**	**979**

Transplantation

Number of full papers (with impact factor) in Medline





Transplantation subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

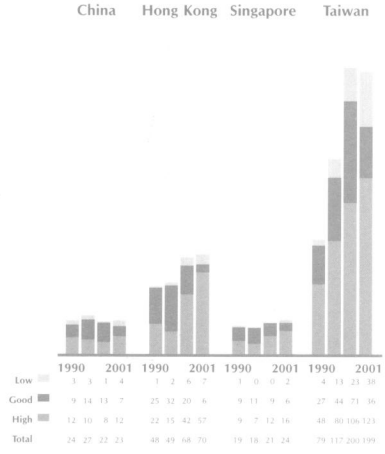
Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Transplantation JCR subject category. The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category: a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication. The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW).

Subject Category, Area **Transplantation**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
TRANSPLANTATION	4.035	100.0	A	6	18	1	17	42
XENOTRANSPLANTATION	3.268	93 8	A	1	0	0	0	1
CELL TRANSPLANT	2.959	87 5	A	1	1	0	3	5
J HEART LUNG TRANSPL	2.526	81.3	A	0	0	0	3	3
BONE MARROW TRANSPL	2.396	75 0	A	6	29	3	12	50
NEURAL PLAST	2.333	68.8	A	0	0	0	0	0
J HEMATOTH STEM CELL	2.194	62 5	B	0	1	0	0	1
LIVER TRANSPLANT	2.130	56 3	B	0	0	1	0	1
NEPHROL DIAL TRANSPL	2.056	50.0	B	0	0	0	0	0
TRANSPLANT INT	2.049	43.8	B	0	0	0	2	2
CLIN TRANSPLANT	1.841	37 5	B	0	4	0	8	12
TRANSPL IMMUNOL	1.453	31.3	C	0	0	0	1	1
ASAIO J	1.152	25.0	C	5	0	1	11	17
INT J ARTIF ORGANS	0.931	18.8	C	2	11	0	2	15
TRANSPLANT P	0.678	12.5	C	66	65	62	269	462
DIALYSIS TRANSPLANT	0.474	6.3	C	0	0	0	0	0
Total				**87**	**129**	**68**	**328**	**612**

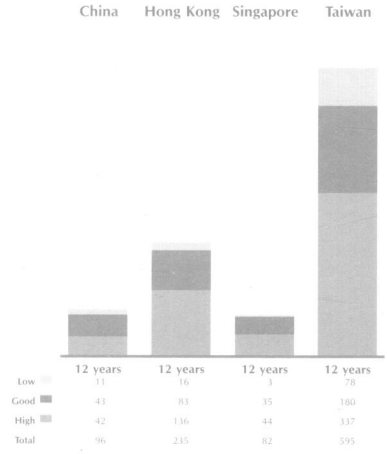
Urology and Nephrology

Number of full papers (with impact factor) in Medline

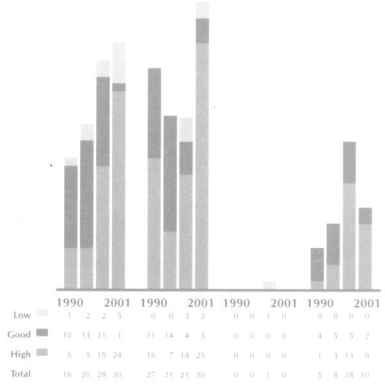
Three year groups



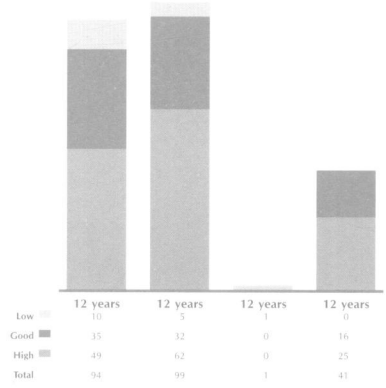
12 year period - 1990 to 2001



Three year groups



12 year period - 1990 to 2001



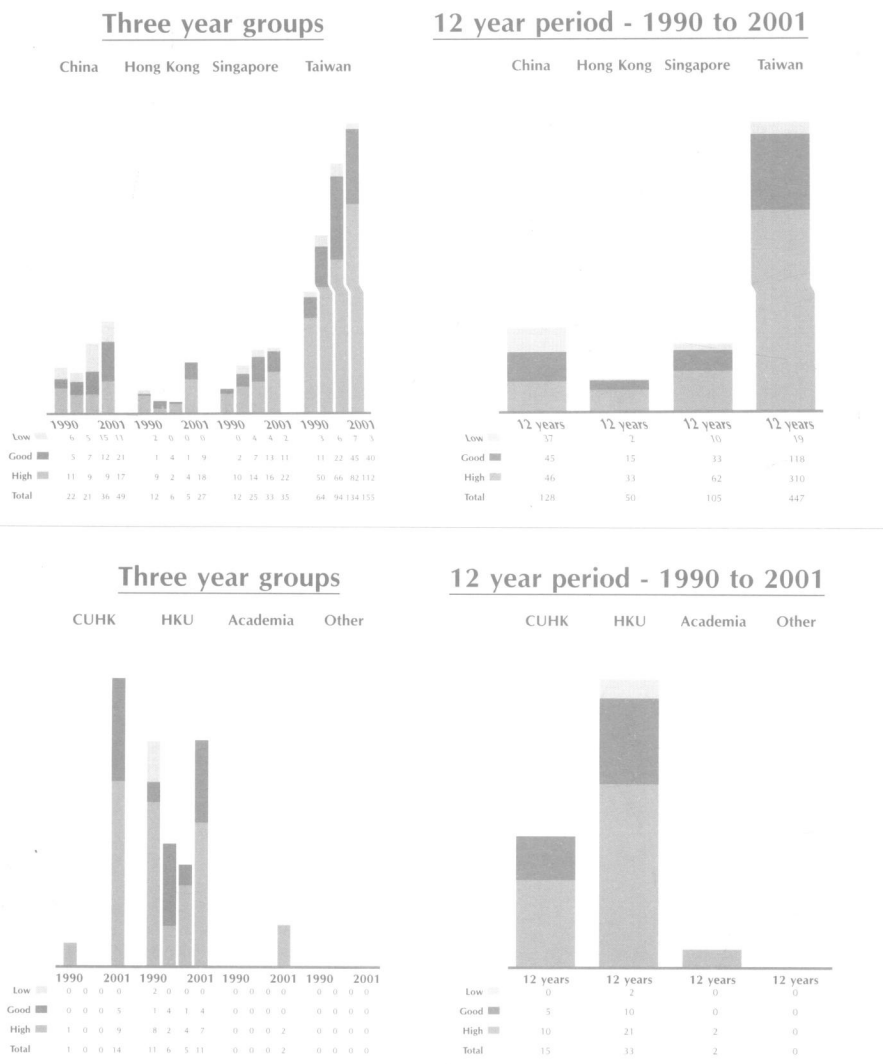
Urology and Nephrology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

Journals sorted according to the impact factor provided by the *Journal Citation Reports* (JCR) 2000 version for Urology and Nephrology JCR subject category The Area Adjusted impact factor (Adjusted IF) corresponds to the impact factor position in percentage of an individual journal among all the journals listed under the subject category a journal with an Adjusted IF between 67% to 100% represents a type A publication, 33% to 67% to a type B and 0% to 33% to a type C publication The number of Medline publications published between January 1990 to November 2001 is quoted per journal for China, Hong Kong (HK), Singapore (SNG) and Taiwan (TW)

Subject Category Area **Urology and Nephrology**	Impact Factor	Adjusted IF (%)	Publication Type	China n	HK n	SNG n	TW n	Total n
J AM SOC NEPHROL	5 745	100 0	A	0	4	2	7	13
KIDNEY INT	4 371	97 7	A	9	13	7	28	57
AM J PHYSIOL RENAL	4 129	95 3	A	0	0	0	1	1
PROSTATE	3 754	93 0	A	3	15	0	1	19
AM J KIDNEY DIS	3 646	90 7	A	0	38	2	25	65
J UROLOGY	2 896	88 4	A	17	7	10	117	151
CURR OPIN NEPHROL HY	2 544	86 0	A	0	0	0	0	0
UROLOGY	2 489	83 7	A	1	2	5	22	30
CONTRIB NEPHROL	2 417	81 4	A	1	3	2	1	7
INT J IMPOT RES	2 413	79 1	A	0	0	3	1	4
SEMIN NEPHROL	2 304	76 7	A	0	0	1	0	1
EUR UROL	2 058	74 4	A	2	2	0	44	48
NEPHROL DIAL TRANSPL	2 056	72 1	A	6	21	3	66	96
NEUROUROL URODYNAM	1 968	69 8	A	0	1	1	3	5
PERITON DIALYSIS INT	1 842	67 4	A	3	30	8	21	62
NEPHRON	1 818	65 1	B	2	23	3	60	88
EXP NEPHROL	1 762	62 8	B	0	0	0	0	0
UROL CLIN N AM	1 710	60 5	B	0	0	0	0	0
BRIT J UROL	1 690	58 1	B	11	27	14	37	89
CLIN NEPHROL	1 638	55 8	B	4	8	5	6	23
KIDNEY BLOOD PRESS R	1 378	53 5	B	0	0	0	1	1
PEDIATR NEPHROL	1 370	51 2	B	9	6	4	15	34
J NEPHROL	1 289	48 8	B	0	0	0	0	0
BLOOD PURIFICAT	1 276	46 5	B	0	0	0	8	8
J ENDOUROL	1 227	44 2	B	4	2	2	4	12
WORLD J UROL	1 119	41 9	B	0	0	0	3	3
UROL RES	0 993	39 5	B	12	1	2	10	25
AM J NEPHROL	0 936	37 2	B	0	16	5	36	57
SEMIN DIALYSIS	0 902	34 9	B	1	0	0	0	1
MOL UROL	0 822	32 6	C	0	0	0	0	0
BJU INT	0 817	30 2	C	3	4	0	18	25
PROSTATE CANCER P D	0 646	27 9	C	0	0	0	0	0
RENAL FAILURE	0 617	25 6	C	6	5	0	21	32
NEPHROLOGIE	0 488	23 3	C	0	0	0	0	0
DIALYSIS TRANSPLANT	0 474	20 9	C	0	0	0	0	0
SCAND J UROL NEPHROL	0 448	18 6	C	0	7	3	8	18
NEPHROLOGY	0 447	16 3	C	0	0	0	0	0
UROL INT	0 394	14 0	C	2	0	0	31	33
UROLOGE A	0 333	11 6	C	0	0	0	0	0
NEFROLOGIA	0 310	9 3	C	0	0	0	0	0
AKTUEL UROL	0 181	7 0	C	0	0	0	0	0
ANN UROL	0 151	4 7	C	0	0	0	0	0
NIEREN HOCHDRUCK	0 067	2 3	C	0	0	0	0	0
Total				**96**	**235**	**82**	**595**	**1008**

Virology

Number of full papers (with impact factor) in Medline



Virology subject category. The number of Medline publications with an Impact Factor listed in the Journal Citation Reports 2000 version from 1990 to 2001 (12 year period) and for four three-year groups (1990-1992, etc). The upper panel is for China, Hong Kong, Singapore and Taiwan. The lower panel is for Hong Kong institutions; the Chinese University of Hong Kong (CUHK), The University of Hong Kong (HKU), other academic institutions (Academia) and non-academic institutions or organizations (Other).

About the Author:

Professor Johan PE Karlberg (BSc, MD, PhD) completed his undergraduate BSc. studies in Statistics and Education at the University of Goteborg, Goteborg, Sweden in 1970. This was followed by undergraduate and PhD studies in Medicine, and a period of 17 years of employment at the same institution. Professor Karlberg has published extensively on child growth and development research. He has also been a visiting researcher at Universities in England, US and Pakistan before taking up a post in the Department of Paediatrics, The University of Hong Kong in 1993. Professor Karlberg is the founder, and the current full-time Director, of the Clinical Trials Centre, The University of Hong Kong. The Centre is the first, and at present, the only faculty based central clinical trial organisation in Asia. During the first four years of the Centre's operation (1998-2002) around 100 trial contracts with most of the largest 25 international pharmaceutical companies have been signed. The Centre is also responsible for trial quality assurance issues as well as marketing activities. In addition, the Centre has also developed other clinical trial support services such as Project Management, Monitoring, Data Management, Medical Statistics and Central Laboratory Services.

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