

A decorative graphic consisting of a central blue diamond shape with a white border, containing white Arabic calligraphy. The calligraphy is the Basmala (Bismillah), the opening of many Islamic texts, which reads "In the name of Allah, the Most Gracious, the Most Merciful." The diamond is set against a background of two horizontal blue bars that meet at the diamond's vertices.

الله الرحمن الرحيم

How to write a Bibliometrics paper

How to write a Bibliometrics paper

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=====
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Outline

- Keywords search
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 SCIENTOMETRICS Volume: 100 Issue: 1 Pages: 189-202 Published: JUL 2014

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 By: Gao, Wei; Guo, Huai-Cheng
 SCIENTOMETRICS Volume: 99 Issue: 3 Pages: 737-753 Published: JUN 2014

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3. **A Bibliometric Analysis** on Top-Cited Articles in Pain Research
 By: Chuang, Kun-Yang; Ho, Yuh-Shan
 PAIN MEDICINE Volume: 15 Issue: 5 Pages: 732-744 Published: MAY 2014

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4. **A Bibliometric Analysis** of the Intelligent Transportation Systems Research Based on Science Mapping
 By: Cobo, M. J.; Chiclana, F.; Collop, A.; et al.
 IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS Volume: 15 Issue: 2 Pages: 001-009

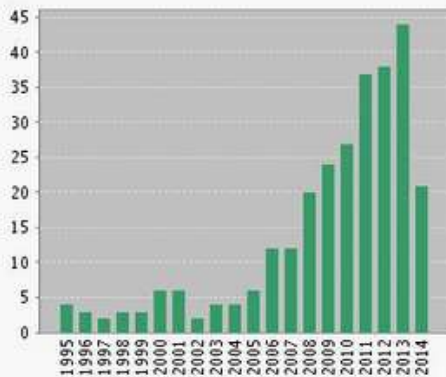
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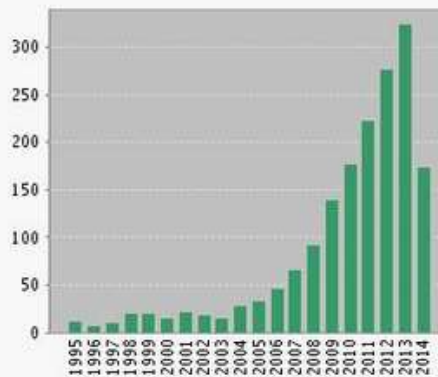
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h-index [?]:	22

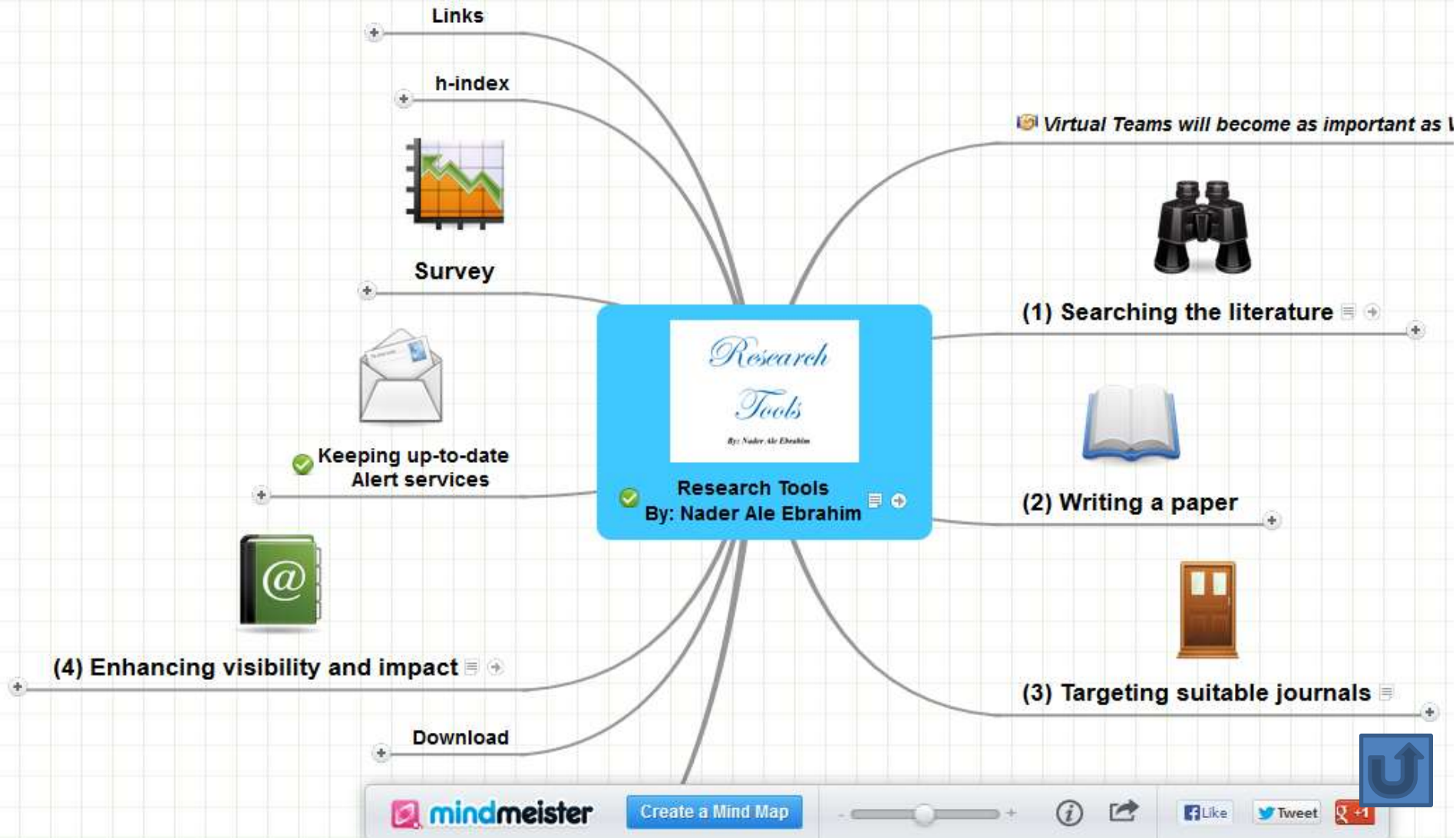
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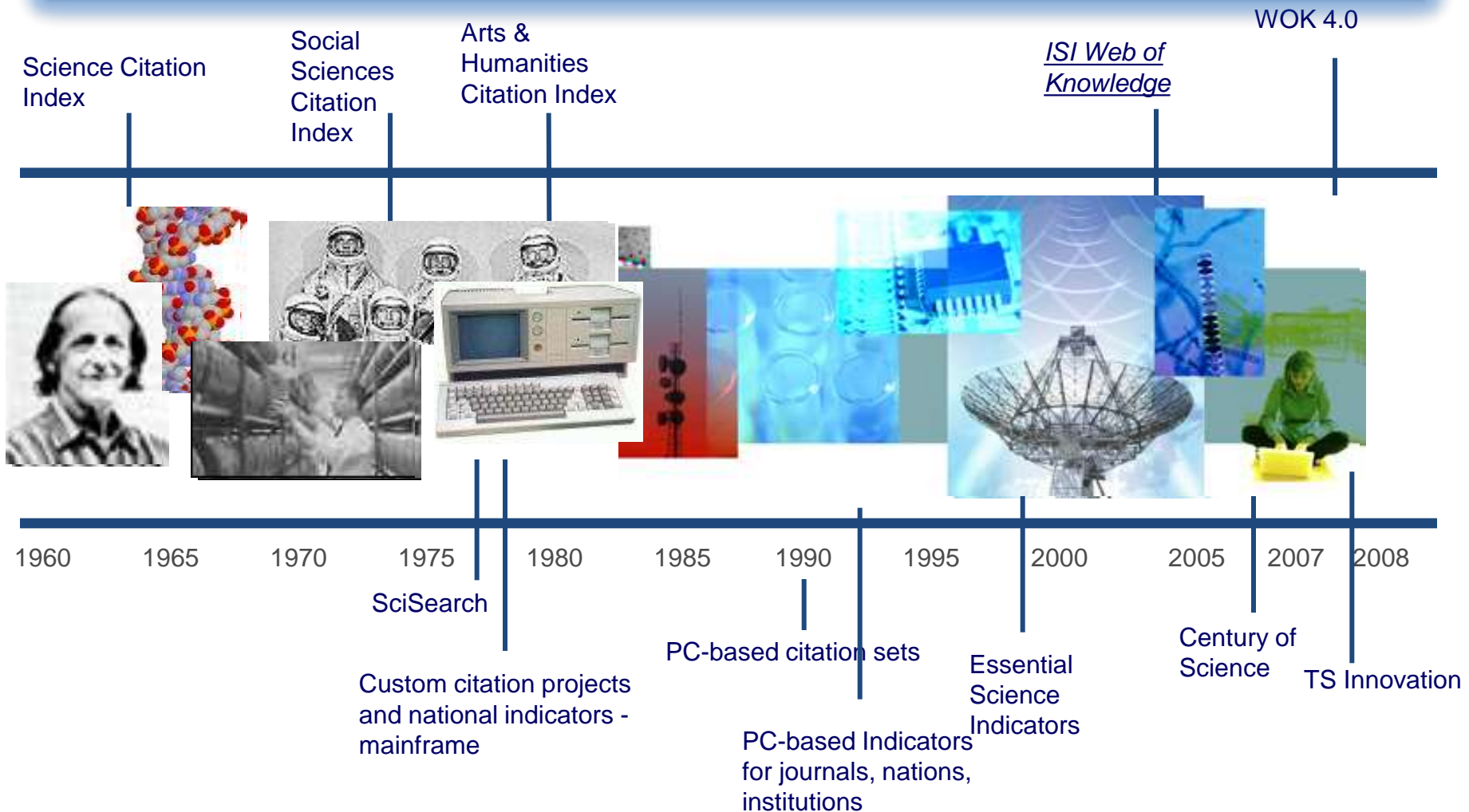
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KeyWords Plus- Example

- New Product Development in Virtual Environment (ISI Indexed)
- Author Keywords: New product Development; Virtual teams; Concurrent Collaboration; Review paper
- KeyWords Plus: DEVELOPMENT TEAMS; PERFORMANCE; TECHNOLOGY; KNOWLEDGE; COMMUNICATION; PERSPECTIVE; INTEGRATION; INNOVATION; NETWORK; WORKING

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- Title: **Factors of collaborative working: A framework for a collaboration model**
Author(s): Patel Harshada; Pettitt Michael; Wilson John R.
Source: APPLIED ERGONOMICS Volume: 43 Issue: 1 Pages: 1-26 DOI: 10.1016/j.apergo.2011.04.009 Published: JAN 2012
Times Cited: 0 (from Web of Science)
Full Text [View abstract]
- Title: **Technology Adoption in Online Social Networks**
Author(s): Peng Gang; Mu Jifeng
Source: JOURNAL OF PRODUCT INNOVATION MANAGEMENT Volume: 28 Supplement: 1 Pages: 133-145 DOI:

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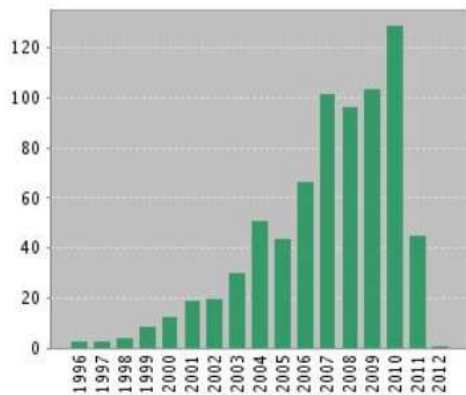
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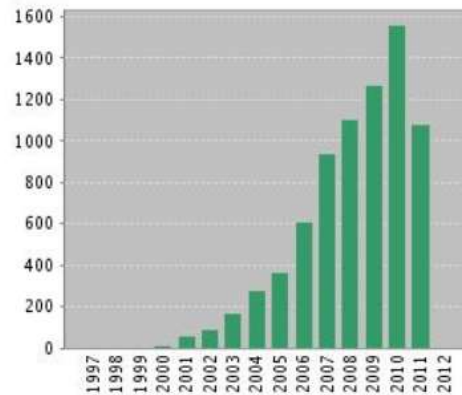
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Sum of the Times Cited [?]: 7561

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Average Citations per Item [?]: 10.20

h-index [?]: 42

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Page 1 of 75 Go

Sort by: Times Cited -- highest to lowest

2008 2009 2010 2011 2012 Total Average

Key Words Selection

TABLE 1: Search phrases used

Field	Search Strings
general/other	brain surgery – neurosurgery – hydrocephalus – peripheral nerve surgery
vascular	aneurysm surgery – arteriovenous malformation* – carotid endarterectomy – cavernous malformation – extracranial intracranial bypass – intracranial aneurysm* – [intracranial or intracerebral] and [hematoma or hemorrhage] – subarachnoid hemorrhage – vasospasm
tumor	brain tumor surgery – meningioma – glioblastoma* – glioma – meningioma – radiosurgery – radiotherapy
trauma	brain injury – coma – head injury – brain damage – spinal injury
functional	deep brain stimulation – epilepsy surgery – Parkinson's surgery – spinal cord stimulation – trigeminal neuralgia – stereotactic – stereotaxic – stereotaxy
spine	spine fusion – spine fixation – spine surgery – spinal surgery – spinal fusion – spinal fixation – [cervical or thoracic or lumbar] and [disc* or disk*]

* The asterisk was included in the search string as a wild card character. For example, the search “disc*” would return results for “disc” or “discs” or “discectomy.”

Source: Ponce, F. A., & Lozano, A. M. (2014). [Highly cited works in neurosurgery. Part II: the citation classics A review \(vol 112, pg 233, 2010\). Journal Of Neurosurgery 120\(5\), 1252-1257. doi: 10.3171/2014.2.JNS14358a](#)

100 top-cited scientific papers in limb prosthetics

Eshraghi *et al. BioMedical Engineering OnLine* 2013, **12**:119
<http://www.biomedical-engineering-online.com/content/12/1/119>



REVIEW

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100 top-cited scientific papers in limb prosthetics

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Abstract

Research has tremendously contributed to the developments in both practical and fundamental aspects of limb prosthetics. These advancements are reflected in scientific articles, particularly in the most cited papers. This article aimed to identify the 100 top-cited articles in the field of limb prosthetics and to investigate their main characteristics. Articles related to the field of limb prosthetics and published in the Web of Knowledge database of the Institute for Scientific Information (ISI) from the period of 1980 to 2012. The 100 most cited articles in limb prosthetics were selected based on the citation index report. All types of articles except for proceedings and letters were included in the study. The study design and level of evidence were determined using Sackett's initial rules of evidence. The level of evidence was

Global scientific production on GIS research by bibliometric analysis from 1997 to 2006



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Global scientific production on GIS research by bibliometric analysis from 1997 to 2006

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Abstract

A bibliometric analysis was applied in this work to evaluate global scientific production of geographic information system (GIS) papers from 1997 to 2006 in any journal of all the subject categories of the Science Citation Index compiled by Institute for Scientific Information (ISI), Philadelphia, USA. 'GIS' and 'geographic information system' were used as keywords to search parts of titles, abstracts, or keywords. The published output analysis showed that GIS research steadily increased over the past 10 years and the annual paper production in 2006 was about three times 1997's paper production. There are clear distinctions among author keywords used in publications from the five most productive countries (USA, UK, Canada, Germany and China) in GIS research. Bibliometric methods could quantitatively characterize the development of global scientific production in a specific research field. The analytical

A bibliometric analysis of research related to ocean circulation

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A bibliometric analysis of research related to ocean circulation

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^c *Department of Environmental Sciences, College of Environmental Sciences, Peking University,
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This study is a bibliometric analysis on ocean circulation-related research for the period 1991–2005. Selected documents included “ocean circulation, sea circulation, seas circulation, marine circulation, and circulation ocean” as a part of the title, abstract or keywords. Analyzed parameters included the document type, the article output, the article distribution in journals, the publication activity of countries, and institutes and the authorship. An indicator, citation per publication (CPP) was applied to evaluate the scientific impact of a publication. The relationship between cumulative articles and the year was modeled. Three dominant categories were picked out, and their output increase was modeled. The USA was found to be leading the research with 47% share of total

Global stem cell research trend: Bibliometric analysis as a tool for mapping of trends from 1991 to 2006

*Jointly published by Akadémiai Kiadó, Budapest
and Springer, Dordrecht*

*Scientometrics, Vol. 80, No. 1 (2009) 39–58
DOI: 10.1007/s11192-008-1939-5*

Global stem cell research trend: Bibliometric analysis as a tool for mapping of trends from 1991 to 2006

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In this study, we aim to evaluate the global scientific production of stem cell research for the past 16 years and provide insights into the characteristics of the stem cell research activities and identify patterns, tendencies, or regularities that may exist in the papers. Data are based on the online version of SCI, Web of Science from 1991 to 2006. Articles referring to stem cell were assessed by many aspects including exponential fitting the trend of publication outputs during 1991–2006, distribution of source title, author keyword, and keyword plus analysis. Based on the exponential fitting the yearly publicans of the last decade, it can also be calculated that, in 2,011, the number of scientific papers on the topic of stem-cell will be twice of the number of

A bibliometric analysis of research on proteomics in Science Citation Index Expanded

Scientometrics (2014) 98:1473–1490
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A bibliometric analysis of research on proteomics in *Science Citation Index Expanded*

Jiang Tan · Hui-Zhen Fu · Yuh-Shan Ho

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100 top-cited scientific papers in limb prosthetics

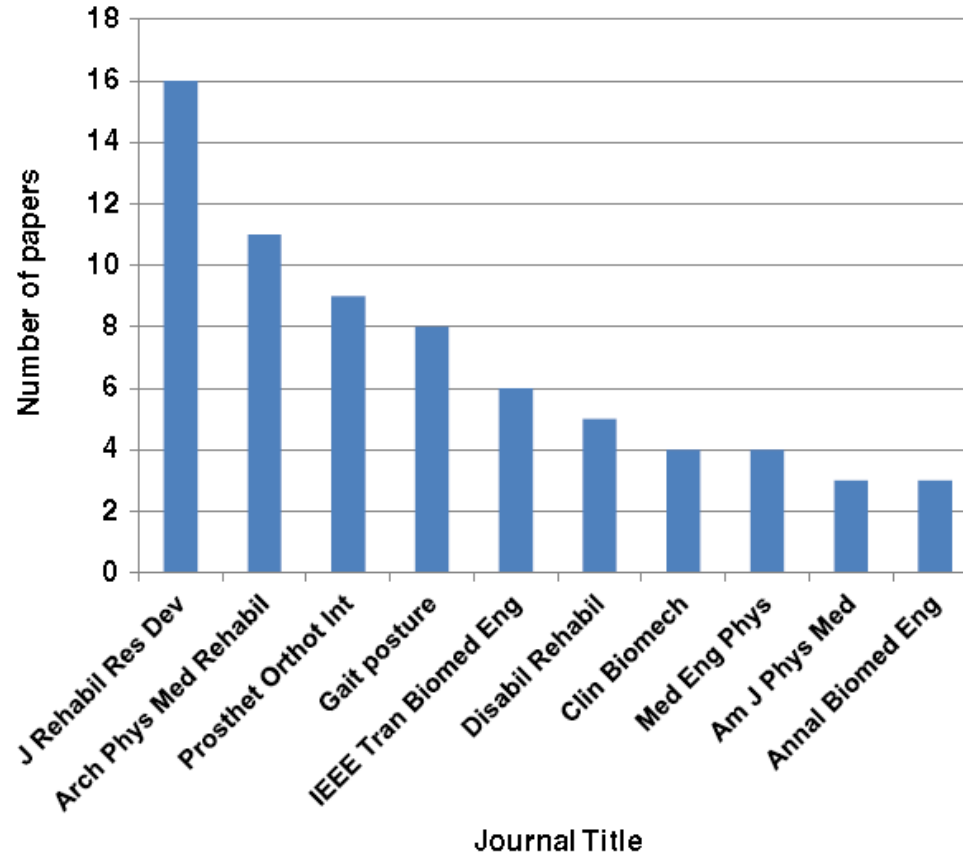


Figure 4 The top 10 journals that published the highest number of top cited papers.

Global scientific production on GIS research by bibliometric analysis from 1997 to 2006

Frequency of author keywords used in publications—top 25

Author keywords	1997-2006		1997-2001		2002-2006	
	P	R (%)	P	R (%)	P	R (%)
GIS	2360	1(24)	740	1(20)	1620	1(26)
Remote sensing	435	2(4.4)	154	2(4.2)	281	2(4.5)
Geographic information system	395	3(4)	150	3(4.1)	245	3(4)
Geographic information systems	370	4(3.8)	145	4(4)	225	4(3.6)
Spatial analysis	136	5(1.4)	43	6(1.2)	93	5(1.5)
Geographical information systems	119	6(1.2)	55	5(1.5)	64	12(1)
Land use↑	118	7(1.2)	30	13(0.82)	88	6(1.4)
Geographical information system	116	8(1.2)	39	8(1.1)	77	7(1.2)
Geographic information systems (GIS)	112	9(1.1)	36	9(0.98)	76	8(1.2)
GPS	99	10(1)	33	11(0.9)	66	10(1.1)
Geographic information system (GIS)	96	11(1)	30	13(0.82)	66	10(1.1)
Modeling	94	12(1)	35	10(0.95)	59	13(1)
Water quality	89	13(0.9)	30	13(0.82)	59	13(1)
Conservation↑	85	14(0.86)	17	38(0.46)	68	9(1.1)
Modelling	81	15(0.82)	25	18(0.68)	56	15(0.91)

Global stem cell research trend: Bibliometric analysis as a tool for mapping of trends from 1991 to 2006

Table 3. Top 25 most frequency substantives in the title of articles during 1991–2006 and 4 four-year periods.

Word in title	91–06		91–94		95–98		99–02		03–06	
	TP	(%)	TP	(%)	TP	(%)	TP	(%)	TP	(%)
Cells	18,479	(38)	1,768	(38)	3,200	(38)	4,495	(35)	9,016	(39)
Cell	17,337	(35)	1,476	(32)	2,967	(35)	4,839	(37)	8,055	(35)
Stem	16,507	(34)	1,228	(26)	2,261	(27)	4,252	(33)	8,766	(38)
Transplantation	7,363	(15)	384	(8.0)	1,026	(12)	2,333	(18)	3,620	(16)
Human	6,949	(14)	775	(17)	1,202	(14)	1,666	(13)	3,306	(14)
Hematopoietic	5,360	(11)	774	(17)	1,063	(13)	1,423	(11)	2,100	(9.2)
Bone	5,182	(11)	587	(13)	938	(11)	1,301	(10)	2,356	(10)
Marrow	5,134	(10)	688	(15)	1,052	(13)	1,346	(10)	2,048	(8.9)
Blood	4,830	(9.8)	464	(9.9)	1,219	(14)	1,618	(12)	1,529	(6.7)
Factor	3,984	(8.1)	672	(14)	1,031	(12)	994	(7.6)	1,287	(5.6)
Expression	3,949	(8.1)	453	(9.7)	731	(8.7)	1,042	(8)	1,723	(7.5)
Gene	3,864	(7.9)	542	(12)	886	(11)	1,008	(7.7)	1,428	(6.2)
Patients	3,456	(7.0)	169	(3.6)	590	(7)	1,113	(8.6)	1,584	(6.9)
Differentiation	3,263	(6.7)	312	(6.7)	491	(5.8)	734	(5.6)	1,726	(7.5)
Progenitor	3,028	(6.2)	265	(5.7)	713	(8.5)	777	(6)	1,273	(5.5)
Embryonic	2,863	(5.8)	211	(4.5)	361	(4.3)	507	(3.9)	1,784	(7.8)
Peripheral	2,853	(5.8)	296	(6.3)	814	(9.7)	976	(7.5)	767	(3.3)
Mouse	2,794	(5.7)	374	(8.0)	508	(6.0)	644	(5.0)	1,268	(5.5)
Mice	2,644	(5.4)	429	(9.2)	658	(7.8)	707	(5.4)	850	(3.7)
Autologous	2,470	(5.0)	217	(4.6)	490	(5.8)	812	(6.2)	951	(4.1)
Leukemia	2,325	(4.7)	327	(7.0)	427	(5.1)	643	(4.9)	928	(4)
High	2,304	(4.7)	195	(4.2)	489	(5.8)	798	(6.1)	822	(3.6)

Global stem cell research trend: Bibliometric analysis as a tool for mapping of trends from 1991 to 2006

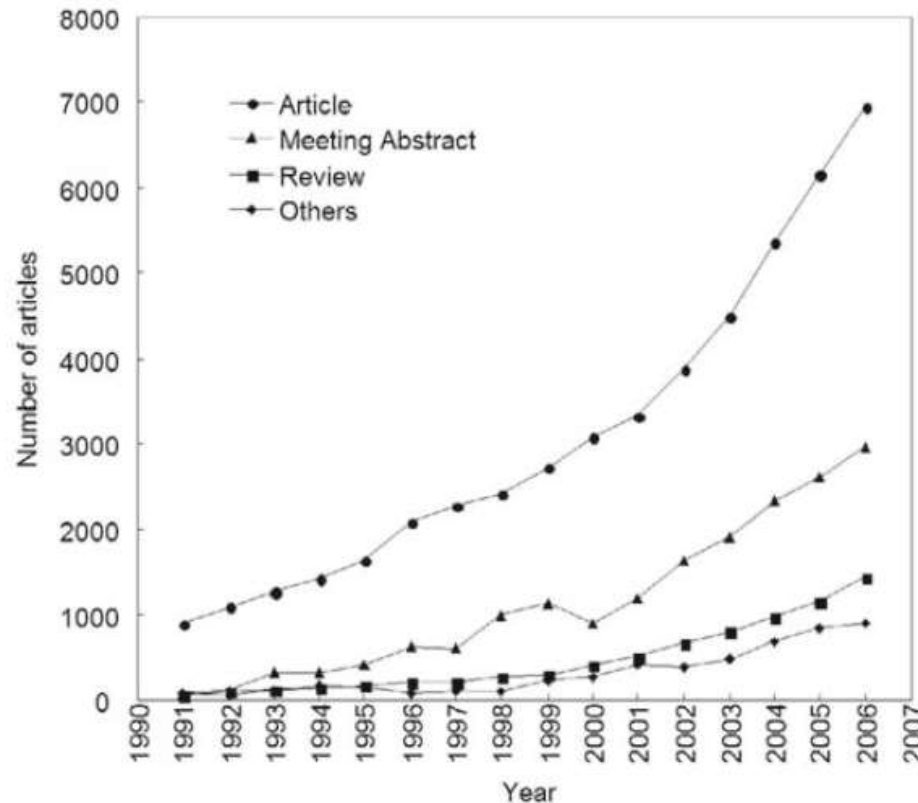


Figure 1. Pattern of the distribution of document types in the period of 1991–2006

Global stem cell research trend: Bibliometric analysis as a tool for mapping of trends from 1991 to 2006

Table 1. Characteristics by year of publication outputs from 1991 to 2006

Year	TP	PG	PG/P	NR	NR/P	AU	AU/P	J	P/J
1991	905	7,058	7.8	31,081	34	4,011	4.4	289	3.1
1992	1,089	8,250	7.6	36,467	33	5,224	4.8	307	3.5
1993	1,270	10,027	7.9	46,039	36	6,080	4.8	324	3.9
1994	1,421	11,408	8.0	49,858	35	7,292	5.1	378	3.8
1995	1,629	12,845	7.9	59,473	37	89,94	5.5	425	3.8
1996	2,080	16,398	7.9	75,887	36	11,633	5.6	484	4.3
1997	2,284	18,222	8.0	83,873	37	12,912	5.7	527	4.3
1998	2,417	19,487	8.1	90,149	37	14,454	6.0	571	4.2
1999	2,723	22,024	8.1	100,211	37	16,444	6.0	606	4.5
2000	3,070	23,986	7.8	112,950	37	18,536	6.0	660	4.7
2001	3,338	26,302	7.9	122,433	37	20,569	6.2	731	4.6
2002	3,877	30,788	7.9	143,651	37	24,094	6.2	778	5.0
2003	4,503	36,547	8.1	167,510	37	28,834	6.4	897	5.0
2004	5,351	44,640	8.3	204,723	38	34,486	6.4	970	5.5
2005	6,145	51,479	8.4	235,533	38	40,029	6.5	1,101	5.6
2006	6,943	59,784	8.6	273,315	39	46,423	6.7	1,202	5.8
Total	49,045	399,245	8.1	1,833,153	37	300,015	6.1	2,493	20

TP: Number of publications; PG: Page count; NR: Cited reference count; AU, J: Number of authors and journals; PG/P, NR/P, and AU/P: average of pages, references, and authors in a paper; P/J: average of papers in a journal.

A bibliometric analysis of research related to ocean circulation

Table 2. Publication activity of countries from 1991 to 2003

Country	Total			Independent articles			Collaborative articles		
	P	P%	CPP	IP	IP%	CPP	CP	CP%	CPP
USA	968	47	5.9	637	42	5.4	331	59	6.7
Germany	311	15	6.7	170	11	6.1	141	25	7.5
UK	254	12	4.8	147	10	3.8	107	19	6.1
France	228	11	5.9	111	7.4	3.8	117	21	7.8
Canada	165	8.0	5.8	87	5.8	5.4	78	14	6.2
Australia	106	5.1	5.8	47	3.1	5.4	59	10	6.2
Netherlands	86	4.1	4.9	49	3.2	3.4	37	6.6	6.8
Japan	74	3.6	2.8	50	3.3	2.5	24	4.3	3.4
Russia	57	2.7	4.1	29	1.9	0.6	28	5.0	7.8
Norway	54	2.6	3.3	23	1.5	3.1	31	5.5	3.4
Denmark	45	2.2	7.6	11	0.73	1.8	34	6.0	9.4
Switzerland	43	2.1	12	12	0.79	8.2	31	5.5	14
P.R. China	41	2.0	3.2	18	1.2	0.4	23	4.1	5.3
Italy	38	1.8	1.9	13	0.86	1.6	25	4.4	2.0
New Zealand	27	1.3	4.1	13	0.86	2.8	14	2.5	5.4
Spain	27	1.3	3.1	6	0.40	2.2	21	3.7	3.3
Sweden	24	1.2	7.8	8	0.53	5.4	16	2.8	9.1
India	23	1.1	2.3	16	1.1	2.4	7	1.2	1.9
Belgium	20	1.0	6.9	7	0.46	7.0	13	2.3	6.8

P: Total articles; P%: the corresponding percentage of P

IP: Independent articles by single country; IP%: the corresponding percentage of IP

CP: Collaborative articles by international cooperation; CP%: the corresponding percentage of CP

100 top-cited scientific papers in limb prosthetics

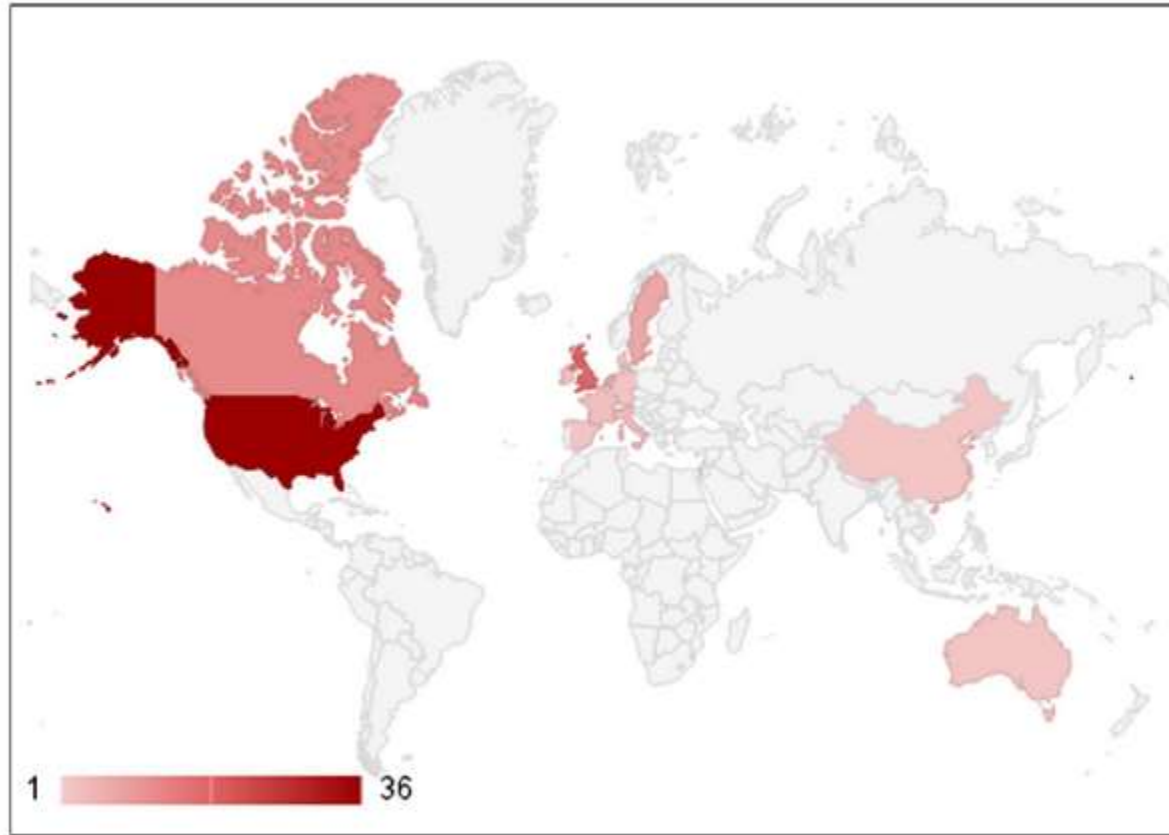


Figure 5 The percentage of top cited articles in different countries.

A bibliometric analysis of research on proteomics in Science Citation Index Expanded

Table 3 Characteristics of the top 19 productive countries/territories (TP ≥ 300)

Country	TP	TPR (%)	SPR (%)	CPR (%)	FPR (%)	RPR (%)	S%	h-index
USA	11,013	1 (40)	1 (37)	1 (48)	1 (34)	1 (34)	71	209
Germany	3,069	2 (11)	3 (7.3)	2 (23)	3 (8.1)	3 (8.0)	67	117
China	2,758	3 (10)	2 (10)	5 (10)	2 (8.8)	2 (8.7)	56	67
UK	2,458	4 (8.9)	5 (5.1)	3 (21)	4 (6.0)	4 (6.0)	49	112
France	1,680	5 (6.0)	6 (4.2)	4 (12)	6 (4.3)	6 (4.3)	64	86
Japan	1,665	6 (6.0)	4 (5.7)	10 (6.9)	5 (4.9)	5 (4.9)	53	74
Canada	1,405	7 (5.1)	8 (3.5)	6 (10)	7 (3.8)	7 (3.8)	59	91
Italy	1,242	8 (4.5)	9 (3.3)	8 (8.3)	8 (3.5)	8 (3.5)	60	60
South Korea	1,062	9 (3.8)	7 (3.9)	17 (3.6)	9 (3.4)	9 (3.4)	65	44
Australia	854	10 (3.1)	10 (2.1)	12 (6.1)	11 (2.2)	11 (2.2)	52	65
Spain	838	11 (3.0)	11 (2.1)	13 (6.0)	10 (2.3)	10 (2.4)	52	50
Netherlands	835	12 (3.0)	13 (1.7)	9 (7.0)	13 (2.0)	13 (2.0)	45	70
Switzerland	825	13 (3.0)	15 (1.2)	7 (8.5)	14 (1.6)	14 (1.6)	44	77
Sweden	799	14 (2.9)	12 (1.8)	11 (6.3)	12 (2.0)	12 (2.1)	46	64
Denmark	579	15 (2.1)	16 (0.94)	14 (5.7)	16 (1.2)	17 (1.1)	44	85
Taiwan	493	16 (1.8)	14 (1.7)	22 (1.9)	15 (1.5)	15 (1.5)	40	36
Belgium	465	17 (1.7)	18 (0.86)	15 (4.3)	18 (1.1)	18 (1.1)	42	53
Austria	461	18 (1.7)	19 (0.85)	16 (4.2)	17 (1.1)	16 (1.2)	39	49
India	321	19 (1.2)	17 (0.93)	23 (1.9)	19 (0.85)	19 (0.85)	56	32

TP: number of articles, TPR: the rank of total articles, SPR: the rank of single country articles, CPR: the rank of internationally collaborative articles, FPR: the rank of first author articles, RPR: the rank of corresponding author articles, S%: the percentage of single country articles in each country

A bibliometric analysis of research on proteomics in Science Citation Index Expanded

Table 1 Top 10 active categories

Web of Science category	TP	%
Biochemical research methods	8,899	32
Biochemistry and molecular biology	7,999	29
Analytical chemistry	2,965	11
Biotechnology and applied microbiology	2,310	8.3
Cell biology	1,758	6.3
Microbiology	1,319	4.7
Genetics and heredity	1,267	4.5
Oncology	1,200	4.3
Biophysics	1,014	3.6
Plant sciences	904	3.2

TP: number of total articles



Thank you!

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