

BIBLIOMETRICS IN CHINA

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Historical View

Domestic Publications

	1979-1983	1984-1989	1990-2004	2005-2007
Total journal publications	44	244	3652	2407
Journal publications per year	9	41	203	802

The data were derived from the following reference and were reintegrated: Fan et. al (2009). 30 years development of Bibliometrics in China (in Chinese), *Information Materials and Work* (情报资料工作), 3: 30-34

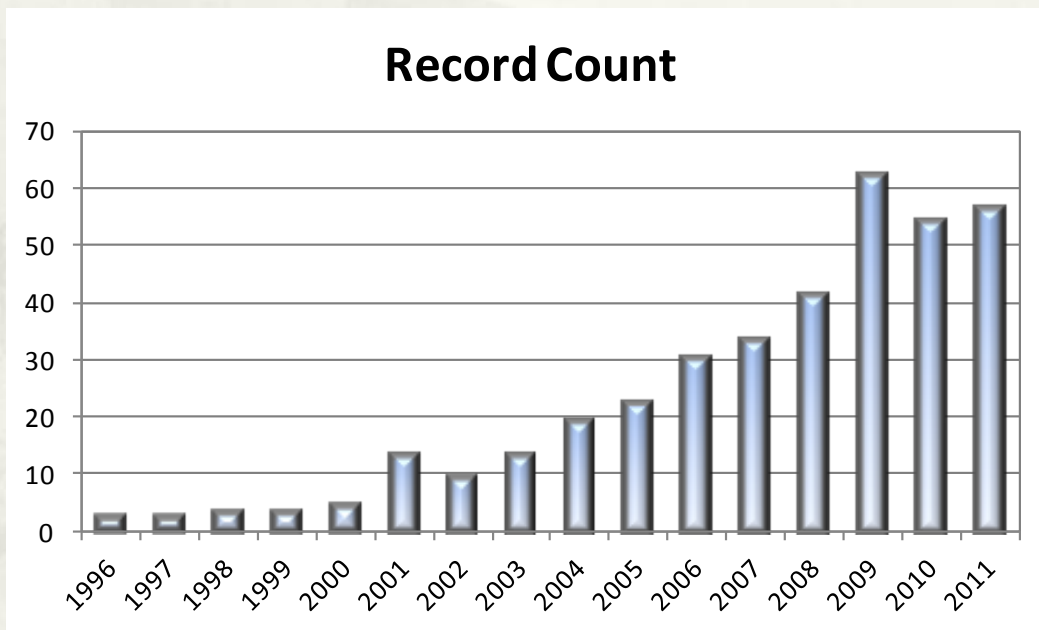
Period	Features
1979 – 1983 (four years)	One-digit period, starting to appear
1984 – 1989 (five years)	Two-digit period, progress slowly
1990 – 2004 (five years)	Three-digit period, fast development
2005 –	Explosive development

Historical View

International Publications

Total number of publications (1986-2011): 370
Publications in 2001-2011: 352 (95%)

Period	Features
1996 – 2000 (14 yrs)	One-digit period
2001 –	Two-digit period

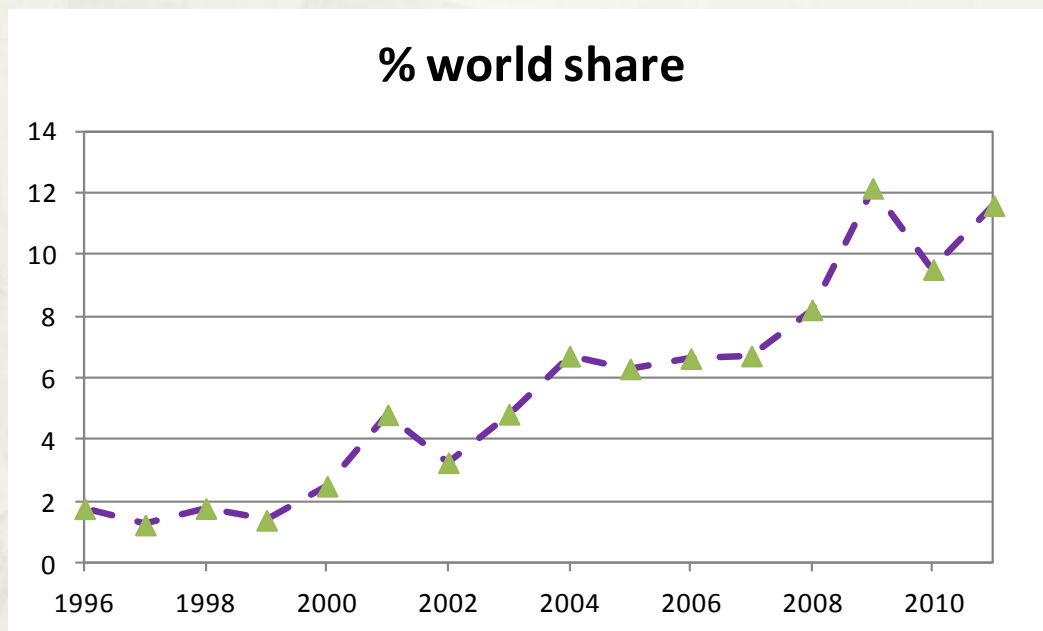


Data source: WoS (SCI-EXPANDED, SSCI, CPCI-S, CPCI-SSH), cu=China and so = (INFORM PROCESS MANAG or scientometrics or J AM SOC INF SCI TEC or J INF SCI or J INFORMETR), document type = article, retrieved time: 20/11/2011. Data before 1989 was not stable, only 1 publications in the WoS in 1989.

Historical View

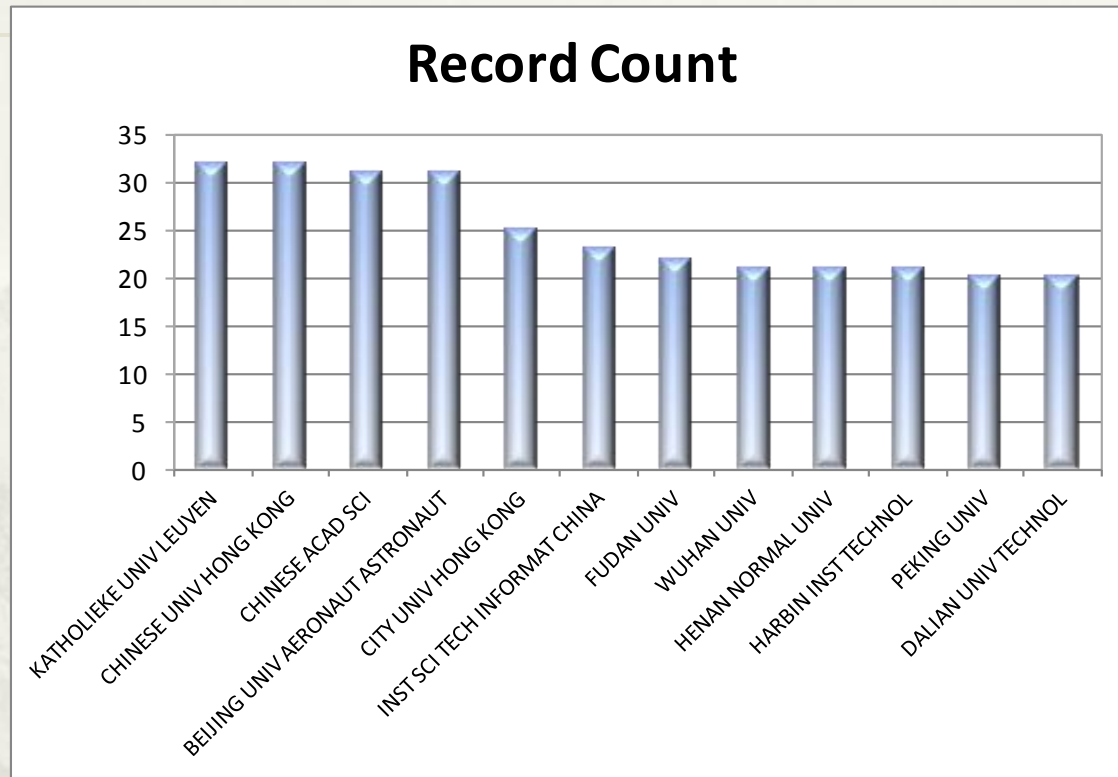
International Publications

- 1999	< 2%
2000 - 2003	2 - 6%
2004 - 2007	6 - 8%
2008 -	8 - 12%



Data source: WoS (SCI-EXPANDED, SSCI, CPCI-S, CPCI-SSH), cu=China and so = (INFORM PROCESS MANAG or scientometrics or J AM SOC INF SCI TEC or J INF SCI or J INFORMETR), document type = article, retrieved time: 20/11/2011. Data in 1989 was not well covered – only 1 publications in the WoS in 1989.

Major institutions contributing to Chinese international publications



Data source: WoS (SCI-EXPANDED, SSCI, CPCI-S, CPCI-SSH), Publication years: 1986-2011, So = (INFORM PROCESS MANAG or scientometrics or J AM SOC INF SCI TEC or J INF SCI or J INFORMETR), document type = article, retrieved time: 20/11/2011

Establishment as a subject

- * 1992 – officially listed as the third-level subject on the national *Classification and Codes of Discipline* (GB/T 13745 -92)
- * Since 1983, included in higher education plan and became a required course for Library and Information Science. Wuhan Univ. first launched graduate education in bibliometric research direction, starting to train graduate and doctoral students. Later on, bibliometric education spread to other universities, such as Zhejiang Univ., Nanjing Univ, Dalian Institute of Science and Technology, ISTIC, etc.
- * In 1991, Association of Scientometrics and Informetrics was established under Chinese Association for Science of Science and S&T Policy.

Representative Institutions

* ISTIC and CSTPCD

➤ Affiliation of the MOST

➤ CSTPCD – Chinese S&T Papers and Citation Database

- Established in 1987
- Journal coverage: >1900 Chinese S&T journals and some multidisciplinary journals

➤ Major activities

① Statistics based on data from (CSTPCD, WoS, Derwent Innovations Index, EI, ISTP, MEDLINE,

② Annual press conference (1990 -)

③ Annual books:

Statistics on Chinese S&T Publications and Citations

Citation Report on Chinese S&T Journals

Representative Institutions

- * ISTIC and CSTPCD
- ④ Providing publication and citation data to China S&T Statistical Yearbook
- ⑤ Specific service to government agencies (MOST, MOE, NSFC, CAST, etc.)
- ⑥ Specific service to Chinese higher education institutions for their staff evaluation work
- ⑦ Bibliometric studies and education
- ⑧ Joint Lab with Thomson Reuters

Representative Institutions

* CAS Library and CSCD

<http://sdb.csdli.ac.cn/>

- Affiliation of CAS
- CSCD – Chinese Science Citation Database
- Established in 1989
- Journal coverage: 1124 in 2010
- Major activities:
 - ① Journal evaluation
 - ② Specific service to government agencies (CAS, MOST, MOE, NSFC, etc.)
 - ③ Bibliometric studies and education
 - ④ Collaboration with Thomson Reuters – integration of WoS with CSCD, online retrieval
 - ⑤ Online retrieval of CSCD

Chinese Scientometric Indicators: Journal Citation Report

Chinese Scientometric Indicators: Publications and Citations

Representative Institutions

- * Chinese Social Sciences Research Evaluation Center and CSSCI

<http://cssci.nju.edu.cn/>

- Affiliation of Nanjing Univ.
- CSSCI – Chinese Social Science Citation Index
 - Established in 1997
 - Journal coverage: >500 Chinese journals
- Major activities
 - Service to government agencies at different levels
 - Bibliometric studies and education

Representative Institutions

- * Research Center for Chinese Science Evaluation
 - Affiliation of Wuhan University
 - Established in 2002, the largest team (>30 people) among Chinese bibliometric teams
 - Major activities
 - Evaluation on education, research, journal, and institutions
 - Bibliometric studies and education – the largest size of doctoral education in bibliometrics

Representative Institutions

- * Center for World-Class Universities (CWCU)
<http://gse.sjtu.edu.cn/EN/centers.htm>
- Affiliation of Shanghai Jiaotong University
- Major activities
 - Academic Ranking of World Universities (ARWU)
 - International Conference on World-Class Universities
 - Evaluation service to government agencies

Representative Institutions

- * Other or organizations engaged in bibliometric-based ranking

- Netbig and its Chinese University Ranking

- <http://rank2011.netbig.com/>

- Wu Shulian and his Chinese University Ranking

- <http://baike.baidu.com/view/163202.htm#2>

Representative scholars and their teams

- * ISTIC (Beijing): Mr. Yishan Wu and his colleagues
- * CAS (Beijing): Ms. Binhui Jin and her colleagues
- * Zhejiang University (Hangzhou): Prof. Fred Y. Ye and his colleagues and students
- * Wuhan University (Wuhan): Prof. Junping Qiu and his students

Representative scholars and their teams

* Other persons:

- Prof. Liming Liang (Xinxiang Normal Univ.);
- Mr. Shi Shan (Shanghai Univ.);
- Prof. Zeyuan Liu's group in Dalian Tech. Univ. focus on scientometrics and information visualization
- Prof. Jiancheng Guan:
 - ① Beijing University of Aeronautics and Astronautics
 - ② Fudan University
 - ③ School of Management, Chinese Academy of Sciences

Representative Publications

- * On h-index
- Liang, L.M. h-index sequence and h-index matrix: Constructions and applications. *Scientometrics*, 2006, 69(1): 153–159
- Jin, B. et al. The R- and AR-indices: complementing the h-index. *Chinese Science Bulletin*, 2007, 52(6): 855-863
- Ye, Fred Y. A unification of three models for the h-index. *Journal of the American Society for Information Science and Technology*, 2011, 62(1): 205–207

Representative Publications

- * About Chinese indexing databases
 - Wu, Yishan, et. al (2004). China Scientific and Technical Papers and Citation (CSTPC): History, impact and outlook. *Scientometrics*, 60 (3): 385-397.
 - Jin, Bihui & Ronald Rousseau (2004). Evaluation of research performance and scientometric indicators in China, in H.F. Moed et al. (eds): *Handbook of Quantitative Science and Technology Research*.
 - Zhou, Ping & Loet Leydesdorff (2007). A Comparison Between the China Scientific and Technical Papers and Citations Database and the Science Citation Index in Terms of Journal Hierarchies and Inter-journal Citation Relations, *Journal of the American society for Information science and Technology*, 58(2):223-236.

Representative Publications

* Mapping science and social sciences in China

- Zhou, Ping, Xinning Su & Loet Leydesdorff (2010), A comparative study on communication structures of Chinese journals in the social sciences. *Journal of the American society for Information science and Technology*, 61(7):1360–1376.
- Zhou, Ping & Wolfgang Glänzel (2010). In-depth analysis on China's international cooperation in science, *Scientometrics*, 82 (3), 597–612.
- Zhou, Ping, Bart Thijsa & Wolfgang Glänzel (2009). Regional analysis on Chinese scientific output, *Scientometrics*, 81(3) 839–857.
- Zhou, Ping, Bart Thijsa & Wolfgang Glänzel (2009), Is China also becoming a giant in social sciences? *Scientometrics*, 79 (3), 593-621.
- Zhou, Ping & Loet Leydesdorff (2009). Chemistry in China – a bibliometric view, *CHIMICA OGGI-CHEMISTRY TODAY*, 27 (6), 18-22.

Representative Publications

* Mapping science and social sciences in China

- Zhou, Ping & Loet Leydesdorff (2007). The citation impacts and citation environments of Chinese journals in mathematics, *Scientometrics*, 72(2).
- Loet Leydesdorff & Ping Zhou (2007). Nanotechnology as a Field of Science: It's Delineation in Terms of Journals and Patents. *Scientometrics*, 70(3), 693-713.
- Zhou, Ping & Loet Leydesdorff (2006). The emergence of China as a leading nation in science, *Research Policy*, 35 (2): 83-104.

Some recent books

- * Ye, Fred Y. et al. *H-index and h-type indices*. Beijing: Science Press, 2011
- * Qiu, J. P. eds. *Informetrics*. Wuhan: Wuhan University Press, 2010
- * Yuan Junpeng eds. *Advanced Course in Scientometrics*. Scientific and Technical Documents Publishing House. March, 2010.



Thanks!
