
Authorship from the Asian and Pacific Region in Top Library and Information Science Journals

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What is Authorship Study?

Study of author's characteristics includes:

- **Number of articles published by authors**
- **Ranking of the most productive authors in the field**
- **Gender**
- **The extent of co-authorship**
- **Institutional affiliations, occupations**
- **Subject matter**
- **Geographic locations**
- **Regional and international collaborations**
- **Cited references, etc.**

Source of Authorship Studies

includes:

- A single journal
- A group of journals
- Databases

Research Questions of This Study

- **Identification of the most productive countries in the Asian and Pacific region**
- **Who are the most productive authors in the region**
- **The number of items published by authors in the region**
- **The extent of collaborative authorship**
- **The extent of collaboration within region**

Data Collection

- **Web of Science online databases, produced by ISI (Institute for Scientific Information)**
- **Top 20 journals ranked by ISI Journal Citation Report's impact factors in library and information science for 2004**

Data Collection *(cont...)*

What is ISI Journal Citation Report's Impact Factor?

The average number of times an article from a journal that was published in the past two years has been cited in the JCR year

2004 impact factor =

- **Number of citations received in 2004 to citable items published in 2002 and 2003**
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- **Number of citable items published in 2002 and 2003**

Data Collection

6 Library Science Journals

and

14 Information Science Journals Were Studied

Data Collection *(cont...)*

The **top 20** journals studied:

- 1) Annual Review of Information Science and Technology
- 2) Information Systems Research
- 3) MIS Quarterly
- 4) Journal of the American Medical Informatics Association
- 5) Journal of the American Society for Information Science and Technology
- 6) Information & Management
- 7) Journal of Documentation
- 8) Information Processing & Management

Data Collection *(cont...)*

- 9) Journal of Management Information Systems
- 10) International Journal of Geographical Information Science
- 11) College & Research Libraries
- 12) Government Information Quarterly
- 13) Scientometrics
- 14) Journal of Academic Librarianship
- 15) Library Quarterly
- 16) Journal of the Medical Library Association
- 17) Journal of Information Science
- 18) Journal of Information Technology
- 19) Library & Information Science Research
- 20) Information Research

Data Collection *(cont...)*

12 countries in the region were selected:

Australia	China (including Hong Kong)	Indonesia	Japan
Korea (South)	Malaysia	New Zealand	Philippines
Singapore	Taiwan	Thailand	Vietnam

Data Collection *(cont...)*

- Time period included: 1967-2005

Data Analysis

- A total of 1,273 articles in the top 20 journals were published by authors in the region
- 119 articles were in library science journals and 1,154 articles were in information science journals
- A total of 19,315 articles were published in the top 20 journals; 6,727 in library science and 12,588 in information science journals
- Authors from the region made up 6.6% of the contributions of which 1.8% were in library science and 9.2% in information science journals
- No journal articles were published in Indonesia and Vietnam

*A total 7.03% of gatekeepers in the science were from 10 Asian and Pacific countries

*Braun, T. and Diospatonyi, I. Counting the gatekeepers of international science journals a worthwhile science indicator, Special section: 50 years of citation indexing. *Current science*, v.89,no,9 (Nov.2005), 1548-1551

Country Productivity in Leading Library and Information Science Journals

Country	Number of Articles	Percentage
Australia	334	26.2%
China (including Hong Kong)	304	23.9%
S. Korea	144	11.3%
Taiwan	135	10.6%
Singapore	127	10.0%
Japan	126	9.9%
New Zealand	108	8.5%
Malaysia	17	1.3%
Thailand	16	1.3%
Philippines	9	0.7%

Country Productivity in Library Science Journals

Country	Number of articles	Percentage
Australia	40	33.6%
New Zealand	28	23.5%
China	19	16.0%
Taiwan	11	9.2%
S. Korea	9	7.6%
Japan	7	5.9%
Thailand	4	3.4%
Malaysia	2	1.7%
Philippines	2	1.7%
Singapore	1	0.8%

Country Productivity in Information Science Journals

Country	Number of Articles	Percentage
Australia	294	25.5%
China	285	24.7%
S. Korea	135	11.7%
Singapore	126	10.9%
Taiwan	124	10.7%
Japan	119	10.3%
New Zealand	80	6.9%
Malaysia	15	1.3%
Thailand	12	1.0%
Philippines	7	0.6%

Author Productivity by Number of Articles in Library and Information Science Journals

Number of articles	Number of authors producing that number
17	1
14	1
12	2
11	3
10	2
9	3
8	9
7	8
6	12
5	16
4	53
3	84
2	239
1	1491

Collaborative Authorship

Library science journals:

- 50% of the articles in library science journals have a single author; 50% were written by more than 2 authors
- Collaborative authorship has increased to 59% over the period of 1990 to 2005

Information science journals:

- 28% of the articles in information science journals were written by a single author; 72% were written by more than 2 authors.
- The rate of collaborative authors has increased to 79% for the period 1995 to 2005

Collaboration in the Top 20 Library and Information Science Journals

Countries	Australia	China	Japan	Korea	Malaysia	New Zealand	Philippines	Singapore	Taiwan	Thailand	U.S.A
Australia		12		2		5	1	2			43
China	12		4	2				6	2		63
Japan		4		3		1					5
Korea	2	2	3					2			32
Malaysia											3

Study Limitations

Using ISI databases as source data:

- Covers mainly journals selectively in English
- Does not cover books or chapters of books
- Searchable fields were developed at different times
- Typing errors in source data and variations in word-divisions in author names, country name, institutional name

Study Limitations *(cont...)*

- Contributions made beyond 20 journals were not considered
- Using one year's journal impact factor for selecting journal titles may be considered as a limitation

Conclusion

- Authors in the 10 Asian and Pacific countries contributed 6.6% in the leading library and information science journals. A total 9.2% in information science are higher than the average 7.03% in the science area
- The most highly productive countries in the region are: Australia, China, S. Korea, Taiwan and Singapore; the most highly productive countries in library journals are: Australia, New Zealand, China, Taiwan and Korea; while the most productive countries in information science journals are: Australia, China, S. Korea, Singapore and Taiwan
- Australia and China are most productive in both fields; New Zealand and Taiwan are strong in library science; S. Korea and Singapore are stronger in the information science fields

Conclusion *(cont...)*

- Most authors (77%) in the region contributed only one article in the leading library and information science journals.
- Among the 1,942 authors, only 38 authors (2%) made more than 6 contributions.

Conclusion *(cont...)*

- About 50% of the articles appearing in library science journals were collaboratively authored by two or more authors; while 72% in the information science journals were collaboratively written. Collaborative authorship is stronger in information science journals.
- Strong collaboration in the region was seen between Australia and China; Australia and New Zealand; and Singapore and China.
- The United States was the leading collaborator with authors in the Pacific and Asia region; most strongly with authors in China, Australia, and S. Korea.

THANK YOU

Have a Great Day!!

