



# **Shaping the Future of Information Literacy Research by Health Sciences Librarians: A Bibliometric Study**

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**Health Sciences Library**



# The Project



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Pinto, M., Escalona-Fernández, M. I., & Pulgarín, A. (2013). Information literacy in social sciences and health sciences: A bibliometric study (1974–2011). *Scientometrics*, 95(3), 1071-1094. doi:10.1007/s11192-012-0899-y

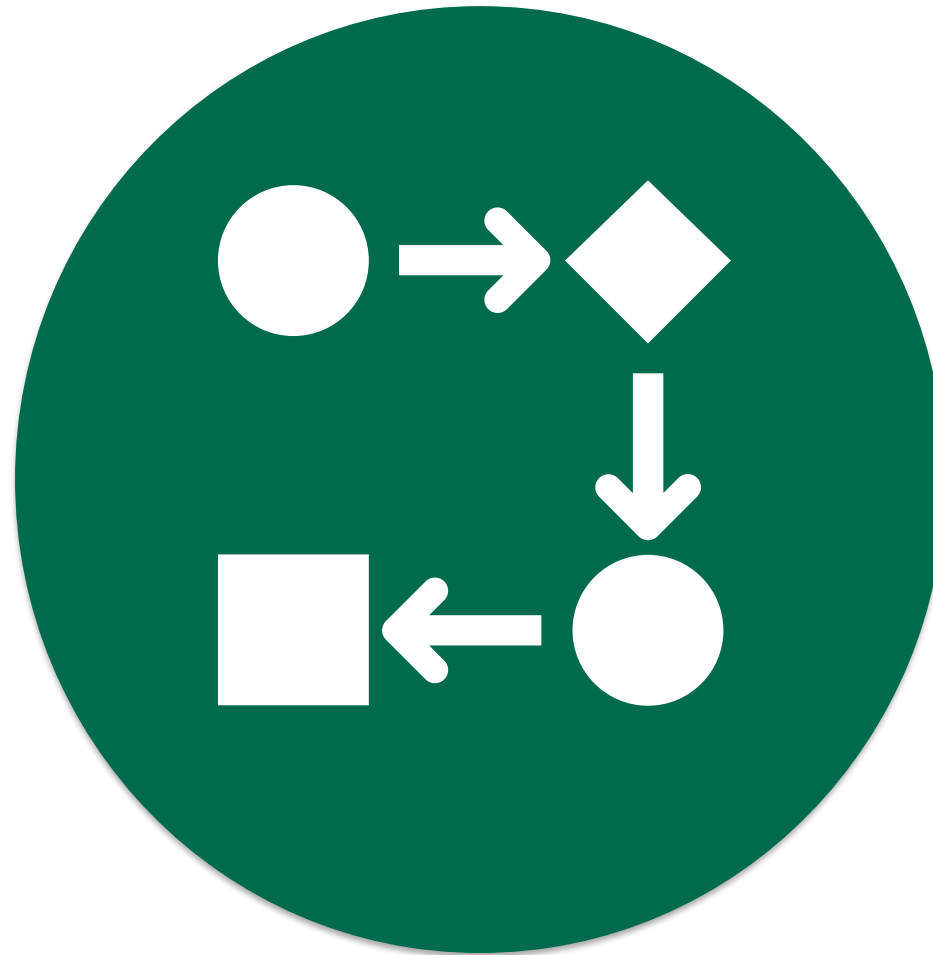
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How have health sciences librarians participated in information literacy research publication?

# **Objective**

This study aimed to examine the status and characteristics of information literacy (IL) research in health sciences libraries and performed by health sciences librarians over the period of 2008 to 2018.

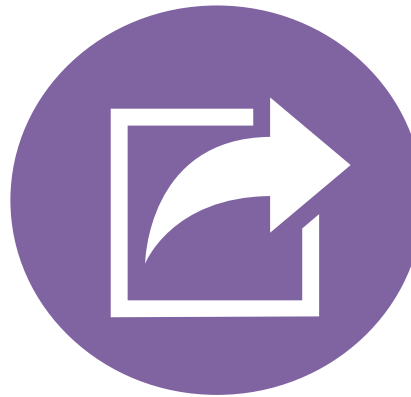
# Methodology



## Data Collection



Searched  
Scopus &  
Web of  
Science



Imported  
results into  
EndNote  
for  
deduping



Unique  
references  
imported to  
Rayyan for  
screening

## Scopus Search

TITLE-ABS-KEY ("information literac\*" OR "digital literac\*" OR "media literac\*" OR "computer literac\*" OR "research literac\*" OR "information fluen\*" OR "information knowledge" OR "research knowledge" OR "information competenc\*" OR "information seeking" OR "information skills")

**AND**

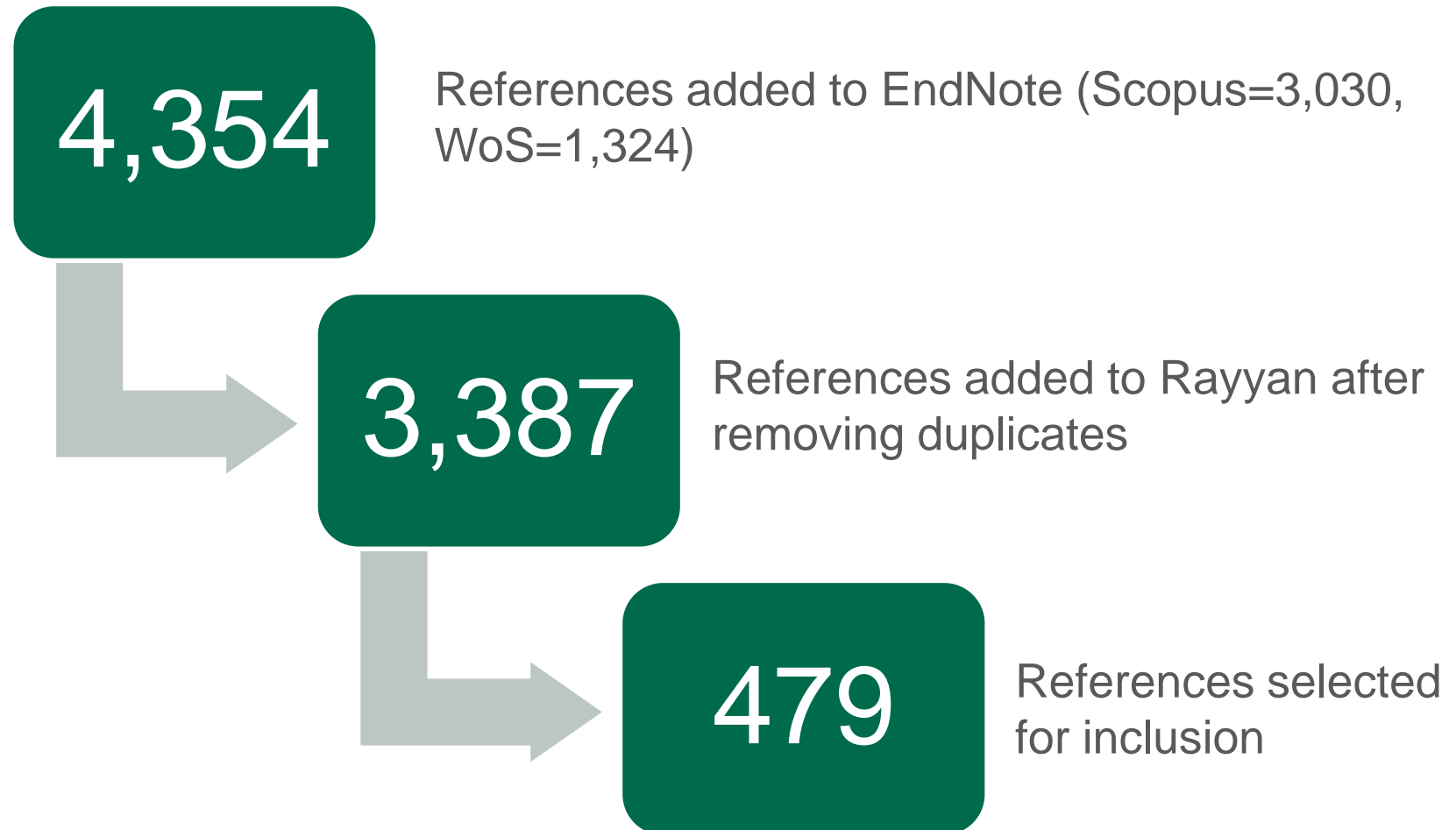
TITLE-ABS-KEY (library OR libraries OR librarian OR librarians OR informationist OR informationists)

Limiters:

Publications years 2008-2018

Document type: Article

## Breaking Down the Numbers





# Results



## Bibliometric Analysis

- Utilized Scopus's Analyze Search Results feature to analyze documents:
  - Per year
  - By affiliated country/region
  - By institutional affiliation
  - By author
  - By journal
- Utilized Microsoft Excel to analyze
  - Citation activity
  - Collaboration index

# **Journal Analysis**

## Most Prolific Journals

Journal	Number of Included Articles	Percentage
Health Information and Libraries Journal	93	19.4%
Journal of the Medical Library Association	74	15.4%
Medical Reference Services Quarterly	42	8.8%
Journal of Hospital Librarianship	24	5%
Journal of Consumer Health on the Internet	15	3.1%

## Most Prolific Non-Health Journals

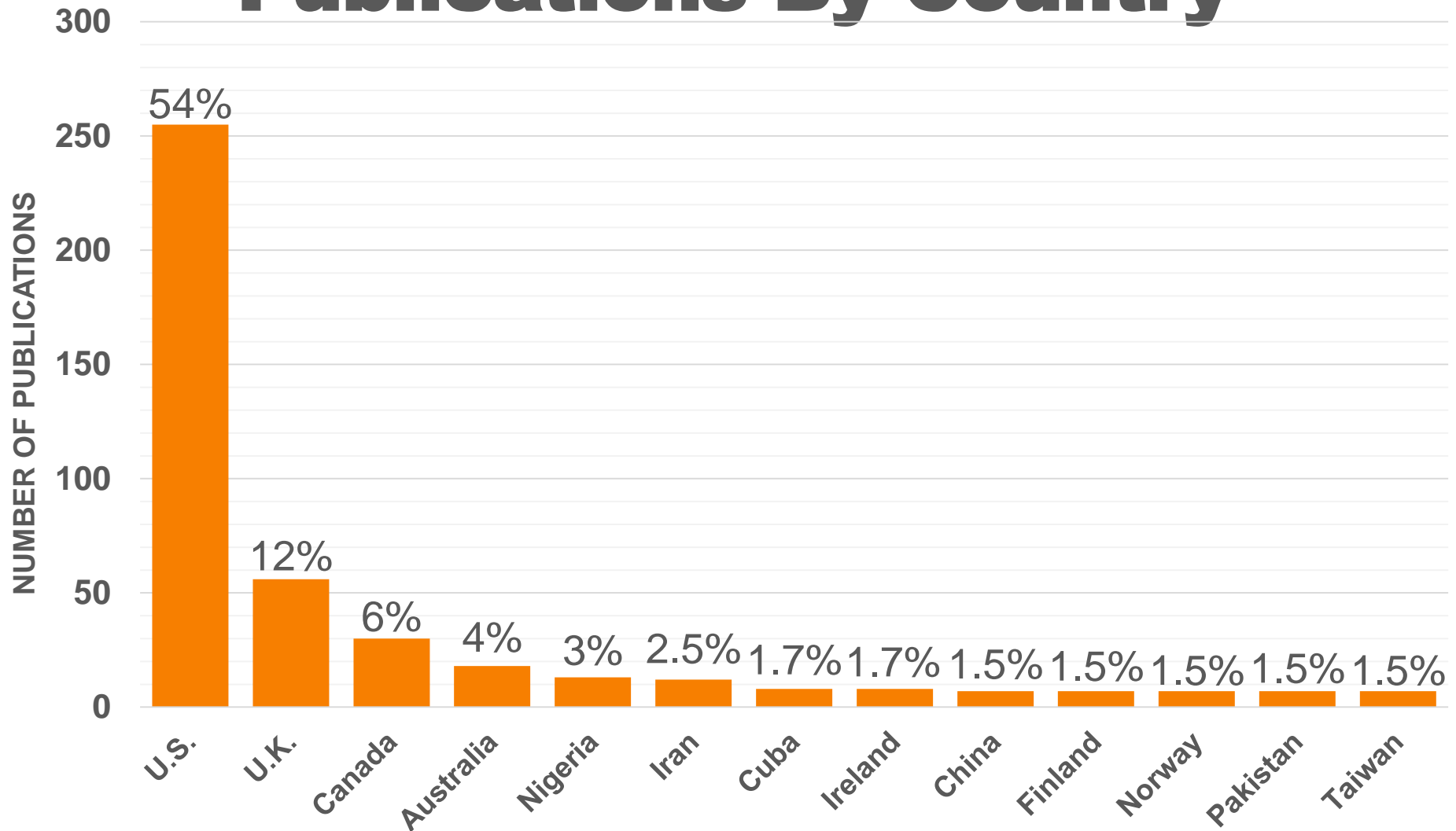
Journal	Number of Included Articles	Percentage
Reference Services Review	15	3.1%
Journal of Academic Librarianship	10	2.1%
Evidence Based Library and Information Practice	9	1.9%
Library Philosophy and Practice	8	1.7%
College and Research Libraries	6	1.3%

## Most Prolific Non-Library Journals

Journal	Number of Included Articles	Percentage
Journal of Nursing Education	5	1%
Journal of Veterinary Medical Education	4	.8%
Nurse Education Today	4	.8%
Plos One	4	.8%
BMC Medical Education	3	.6%
Nurse Educator	3	.6%

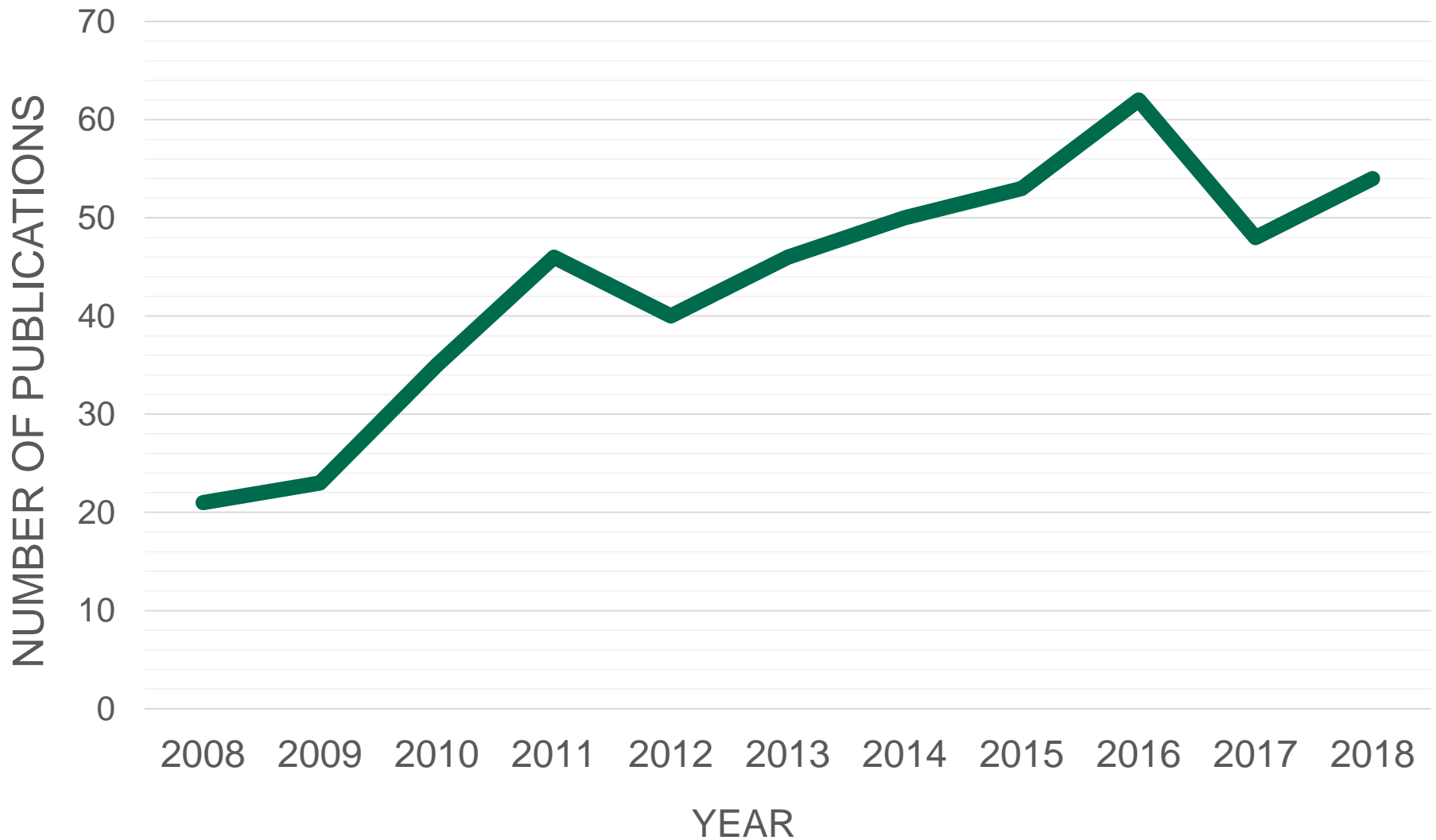
# **Publication Analysis**

## Publications By Country





## Publications By Year



## Most Cited Articles

Title	Author(s)	Year	Source	Cited By
Adopting evidence-based practice in clinical decision making: Nurses' perceptions, knowledge, and barriers	Majid, S., Foo, S., Luyt, B., (...), Mokhtar, I.A.	2011	Journal of the Medical Library Association	155
Mobile devices in medicine: A survey of how medical students, residents, and faculty use smartphones and other mobile devices to find information	Boruff, J.T., Storie, D.	2014	Journal of the Medical Library Association	123
The attitudes of health care staff to information technology: A comprehensive review of the research literature	Ward, R., Stevens, C., Brentnall, P., Briddon, J.	2008	Health Information and Libraries Journal	108
The value of library and information services in patient care: Results of a multisite study	Marshall, J.G., Sollenberger, J., Easterby-Gannett, S., (...), Hunter, S.	2013	Journal of the Medical Library Association	61
Information-seeking behavior of basic science researchers: Implications for library services	Haines, L.L., Light, J., O'Malley, D., Delwiche, F.A.	2010	Journal of the Medical Library Association	55

## Citation Highlights



85% (n=408) of included articles have been cited at least once as of March 2019.



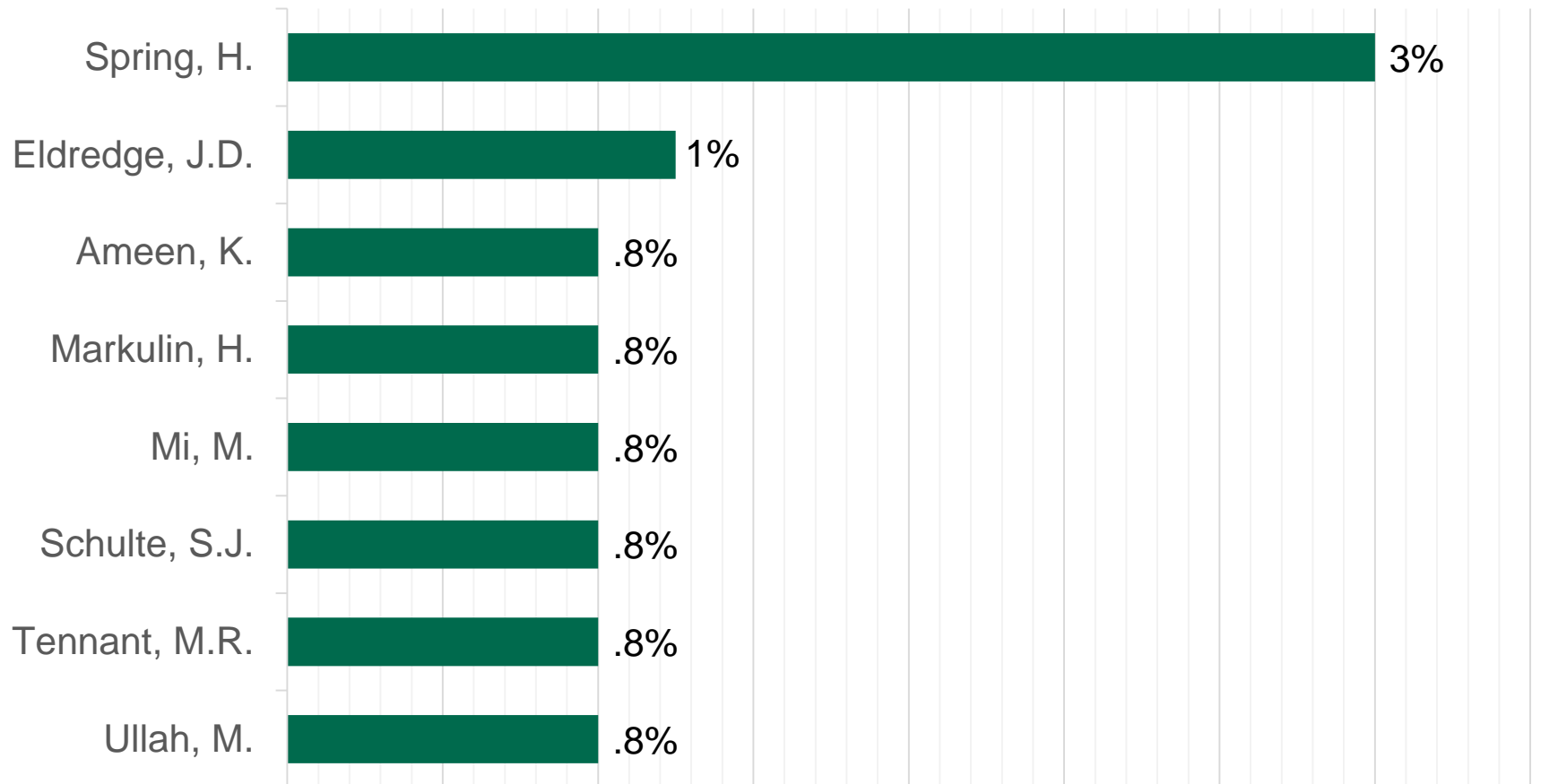
The average included article has been cited 8 times.

## Most Prolific Authors

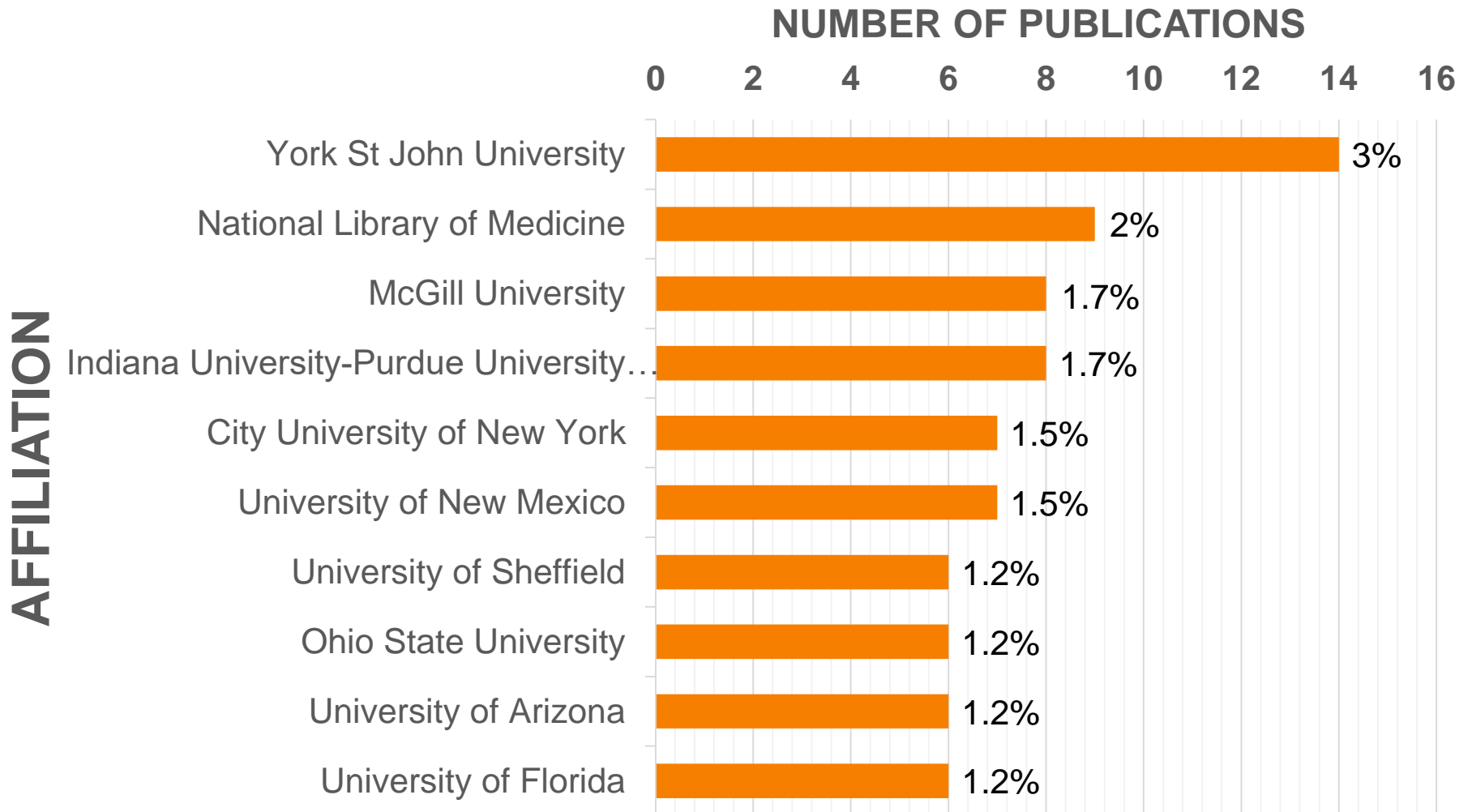
NUMBER OF PUBLICATIONS

0 2 4 6 8 10 12 14 16

AUTHOR



## Most Prolific Affiliations



## Open Access Publications



30.7% (n=147)  
of included  
articles are Open  
Access.



Open Access  
publications increased  
by an average of 12%  
each year.

## Conclusions



Health sciences librarians tend to publish in journals within their field.



76% (n=366) of included articles were authored by at least two collaborators.



The volume of IL literature by health sciences librarians has increased.



**Lessons  
Learned**



## Looking to the Future

Future research directions may include:

- Comparing publications

before and after the ACRL

Framework

- Applying methodology to specific areas of the health sciences



## References

Cohen, N., Holdsworth, L., Prechtel, J. M., Newby, J., Mery, Y., Pfander, J., & Eagleson, L. (2016). A survey of information literacy credit courses in US academic libraries: Prevalence and characteristics. *Reference Services Review, 44*(4), 564-582. doi:10.1108/RSR-03-2016-0021

*Framework for information literacy for higher education.* (2015). Chicago: Association of College & Research Libraries.

Ouzzani, M., Hammady, H., Fedorowicz, Z., & Elmagarmid, A. (2016). Rayyan — a web and mobile app for systematic reviews. *Systematic Reviews 5*(210). doi: 10.1186/s13643-016-0384-4

Pinto, M., Escalona-Fernández, M. I., & Pulgarín, A. (2013). Information literacy in social sciences and health sciences: A bibliometric study (1974–2011). *Scientometrics, 95*(3), 1071-1094. doi:10.1007/s11192-012-0899-y

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# Thank you!

