

Stories behind 'publication numbers'

Highlight Visibility & Research Impact

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Objective

Looking beyond 'publication counts' the most common measure of research productivity, to ask, "What is the Story?"

The "DIG Deep" Methodology

Searches for publications affiliated to KK Women's and Children's Hospital (KKH) in journals indexed in Web of Science and MEDLINE were limited to Jan-Dec 2013. Results were imported to EndNote. Full-text records in EndNote were checked to confirm that at least one author was affiliated to KKH. Impact factors (IFs) for journals in which KKH papers were published were retrieved from ISI Journal Citation Reports 2013.

An Access database was created to collect data on Authors, Specialty, Department, Articles, Journals, IFs and Types of Publication.

Design search strategy

Basic Search

((KK SAME hosp) OR (Kandang Kerbau)) Address

View Abbreviations List

AND 2013 Year Published

Search query in Web of Science

Import results into EndNote

ID	Ref Type	Contributing Author	Department
1	Journal Article	Ang, Su-Yin Angelina	Paeds: Emergency Medicine
2	Journal Article	Ang, Su-Yin Angelina	Paeds: Emergency Medicine
3	Journal Article	Anicic, Rosslyn	Otolaryngology
4	Abstract	Arakachari, Thaschaw	Paeds: Rheumatology & Immunology
5	Case Reports	Aung, Aye Chan Lwin	Pathology & Lab Medicine
6	Abstract	Aung, Soe Tin	Paeds: Haematology/Oncology
7	Abstract	Aung, Soe Tin	Paeds: Haematology/Oncology
8	Journal Article	Balakrishnan, Abhilash	O & G: Minimally Invasive Surg
9	Journal Article	Beth, Susan-Tiong	O & G: Minimally Invasive Surg
10	Journal Article	Tan, Thiam Chye	Paeds: Haematology/Oncology
11	Clinical Report	Brett, Siew-Yan Maggie	Paeds: Haematology/Oncology
12	Journal Article	Chan, Kok-Yen Jerry	O & G: Reproductive Medicine
13	Original Research	Chan, Kok-Yen Jerry	O & G: Reproductive Medicine

Grow Access database repository

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Conclusion

Medical Librarian's DIG Deep methodology tells stories on performance:

- Publication Types
 - Research vs. Review
 - Peer-reviewed vs. others
- Author Ranking
- Number of Authors
- Subject foci based on publications
- Grant acknowledgements represented by publications

Impact can be assessed on various levels:

- Individual
- Research group
- Specific grant or award
- Department or division
- Program
- Research centre or Consortium

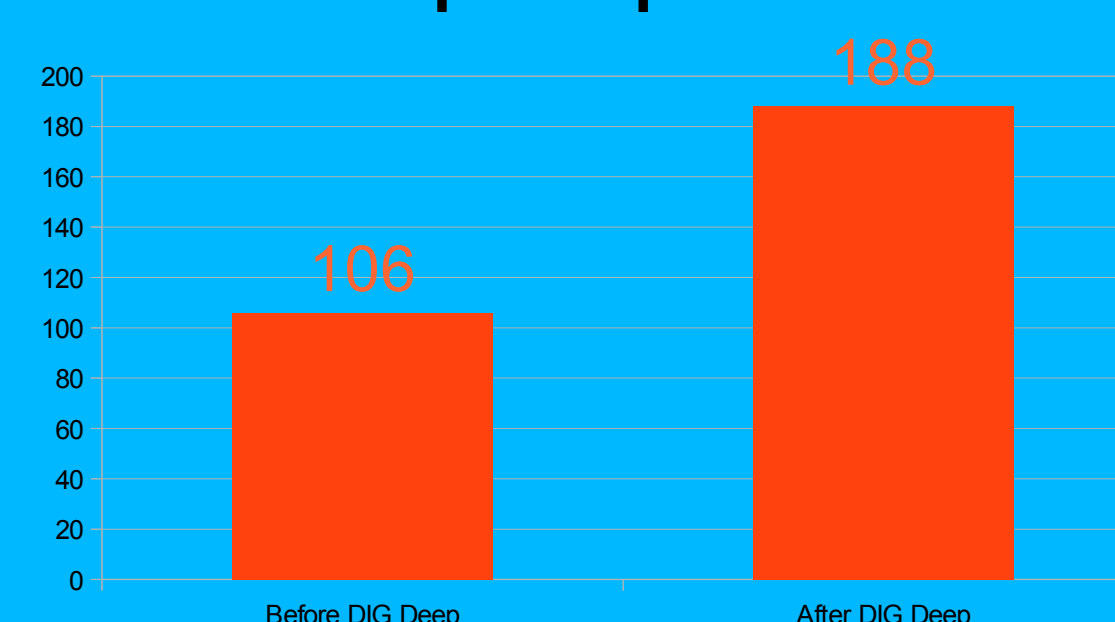
Stories publication data tell can be used for

- Grants applications and renewals
- Promotion
- Institutional reporting
- Reputation/Prestige in the field

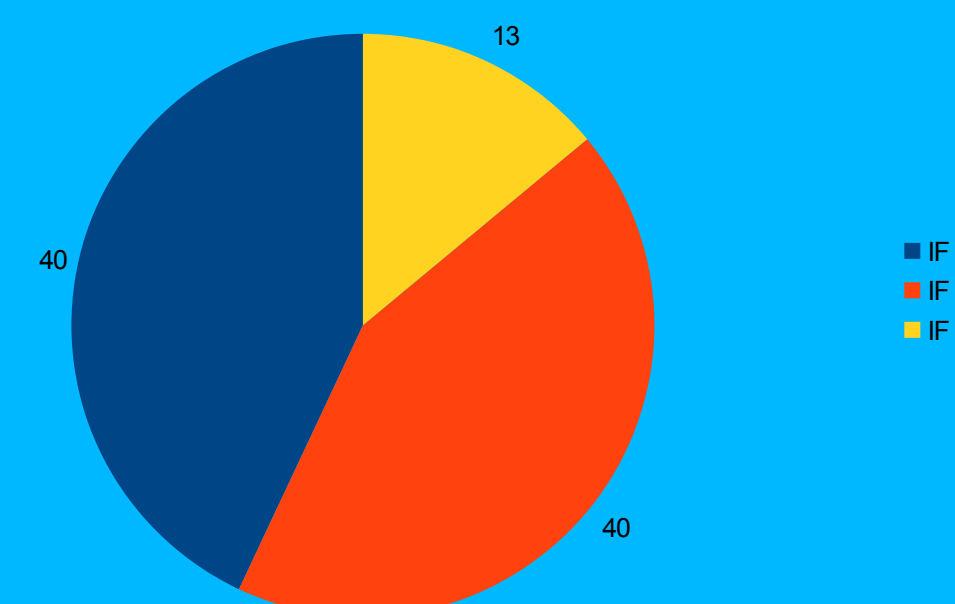
Results

A whopping 77% more publications!

Before and after DIG Deep implementation



Out of 262 KKH authors, the top 10% wrote 4-16 papers each
50% were Original Articles, 25% Abstracts
62% comprised First Authored papers



40% of articles were published in journals with IF < 2
40% of articles were published in journals with IF 2-5
13% of articles were published in journals with IF > 5

Impact factor (IF) of an academic journal is a measure reflecting the average number of citations to recent articles published in the journal. It is frequently used as a proxy for the relative number of citations to recent articles published in the journal.

Authors: Sia, Tiong Heng Alex; Sia, Alex Tiong Heng

Overview options

Exclude from citation overview: ☐ Self citations of selected authors ☐ Self citations of all authors ☐ Citations from books

Sort documents: Year descending Date range: 2012 to 2014

99 Cited Documents

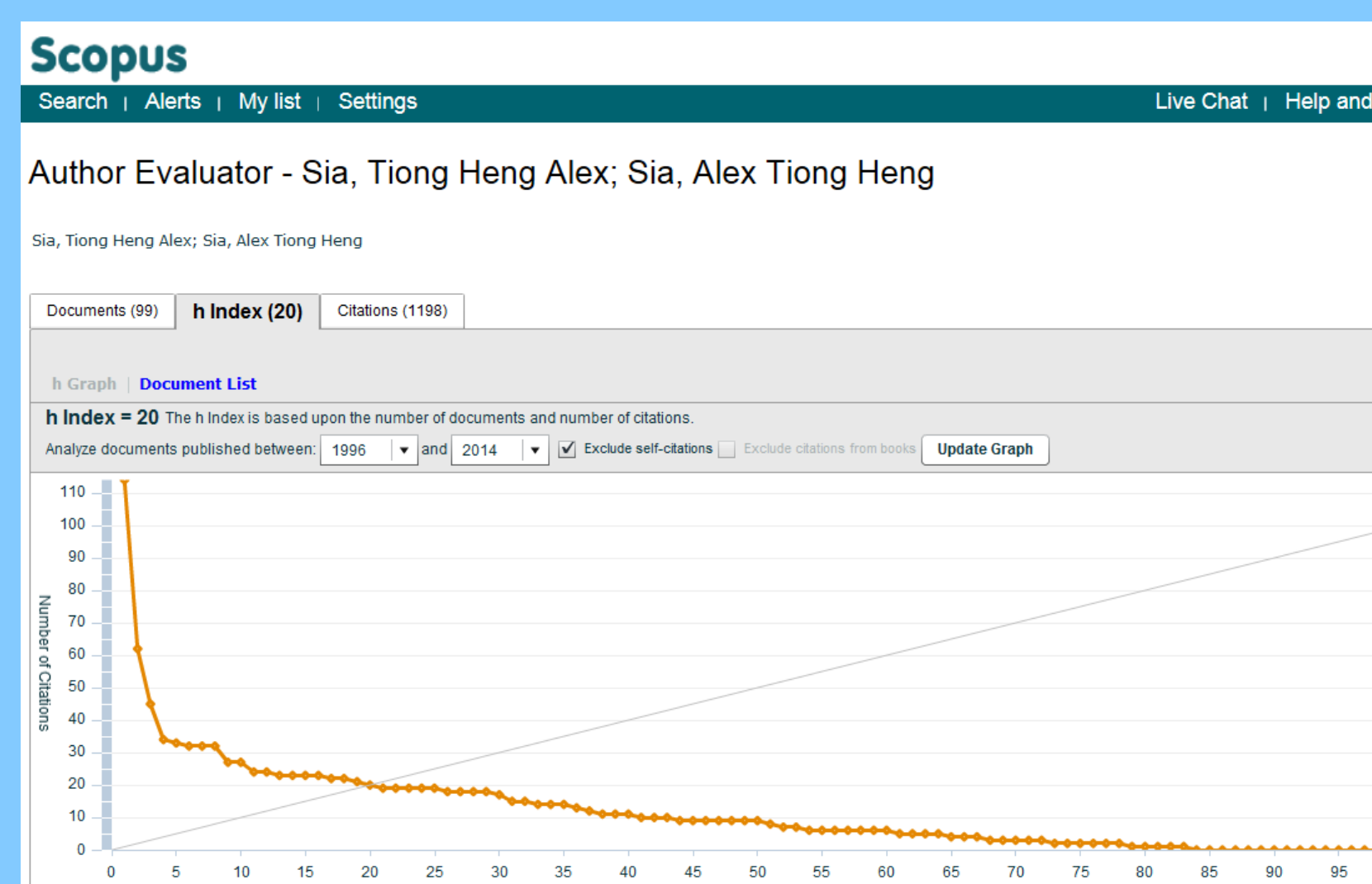
	2012	2013	2014	Subtotal	Total
1 2014 Automatic Identification of Need...			0	0	0
2 2014 Novel vital signs-controlled, pa...			0	0	0
3 2014 Closed-loop double-vasopressor a...			0	0	0
4 2013 Ultrasound guided automatic loca...			0	0	0
5 2013 Closed-loop double-vasopressor a...			0	0	0
6 2013 Interactive technology in oblate...		1	1	2	2
7 2013 Influence of mu-opioid receptor...	1	1	2	2	2
8 2013 Factors affecting fetal bradycar...	1	1	2	2	2
9 2013 A randomised comparison of varia...	2	1	3	3	3

Author h index: h index = 22

View h-Graph

Of the 99 documents considered for the h index, 22 have been cited at least 22 times.

Note: The h index considers Scopus documents published after 1995.



The **h-index** quantifies an individual's scientific research output.

