Singapore Healthcare Management 2014

Stories behind 'publication numbers' Highlight Visibility & Research Impact





Objective

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

The "DIG Deep" Methodology

Results

A whopping 77% more publications!

Before and after DIG Deep implementation

200 **188**

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.

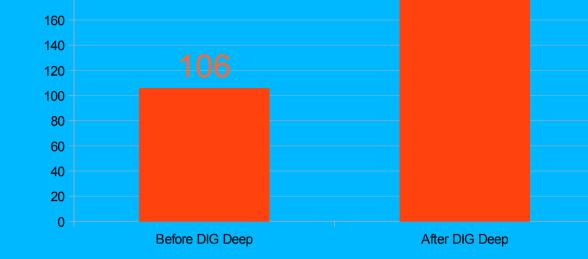
An Access database was created to collect data on Authors, Specialty, Department, Articles, Journals, IFs and Types of Publication.

Design search strategy

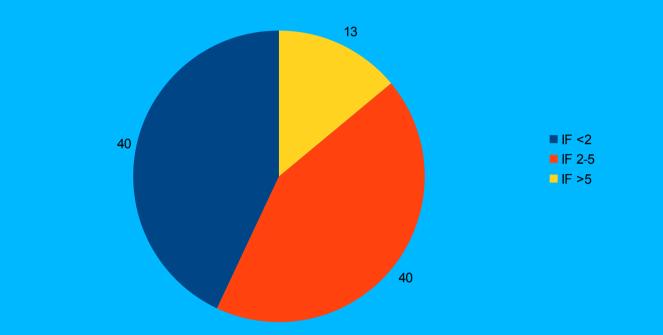
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mport results into EndNote

0	Author	Year	Title
0	Siew, J. X.; Yap, T. L.; Phua, K. B.;	2013	Annular Pancreas: A Rare Cause of Upper Gastrointestinal Bleeding in a G
0	Leong, M. Y.; Walford, N.; Krishn	2013	Another Case of Concomitant Fetal Renal Tubular Dysgenesis and Place
0	Yu, T.; Chua, C. K.; Tay, C. Y.; We	2013	A Generic Micropatterning Platform to Direct Human Mesenchymal Ster
0	Yeo, G. S. H.; Choi, C.	2013	COMMENT ON AUTHORS' REPLY: PATIENTS' PERCEPTION OF RISK: INF
0	Yang, C. H.; Chew, K. Y.; Solomki	2013	Surgical Site Infections Among High-Risk Patients in Clean-Contaminate
0	Yan, B.; Lim, M.; Zhou, L.; Kuick,	2013	Identification of MET genomic amplification, protein expression and alter
0	Wu, R. S. L.; Chan, J. X.; Chong, S	2013	Toy safety in Singapore: where are we now?
0	Wu, L. C.; Malhotra, R.; Allen, J. C	2013	Risk factors and midwife-reported reasons for episiotomy in women und
0	Wu, L. C.; Lie, D.; Malhotra, R.; All	2013	What factors influence midwives' decision to perform or avoid episioton
0	Wu, J.; Lee, A. J.; Goh, A. E. N.; Ch	2013	Use of intravenous immunoglobulin in an Asian paediatric population or



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

Grow Access database repository

Search	2	\angle	ID 👻	Ref Type 🛛 👻	Contributing Author: 👻	Department •
Tables	\$	+	1	Journal Article	Ang, Su-Yin Angelina	Paeds: Emergency Medicine
Authors		+	2	Journal Article	Ang, Su-Yin Angelina	Paeds: Emergency Medicine
Impact fac	tor	+	3	Journal Article	Anicete, Rosslyn	Otolaryngology
		+	4	Abstract	Arkachaisri, Thaschawe	Paeds: Rheumatology & Imm
	ns	+	5	Case Reports	Aung, Aye Chan Lwin	Pathology & Lab Medicine
Specialty		+	6	Abstract	Aung, Soe-Tin	Paeds: Haematology/Oncolog
Queries	~	+	7	Abstract	Aung, Soe-Tin	Paeds: Haematology/Oncolog
Count by t	ype	+	8	Journal Article	Balakrishnan, Abhilash	Otolaryngology
Uniq		+	9	Journal Article	Beh, Suan-Tiong	O & G: Minimally Invasive Su
		+	10	Journal Article	Tan Thiam Chye	O & G
		+	11	Clinical Report	Brett, Siew-Yan Maggie	KKRC: Research Lab
		+	12	Journal Article	Chan, Kok-Yen Jerry	O & G: Reproductive Medicin
		+	13	Original Research	Chan, Kok-Yen Jerry	O & G: Reproductive Medicir

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.

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

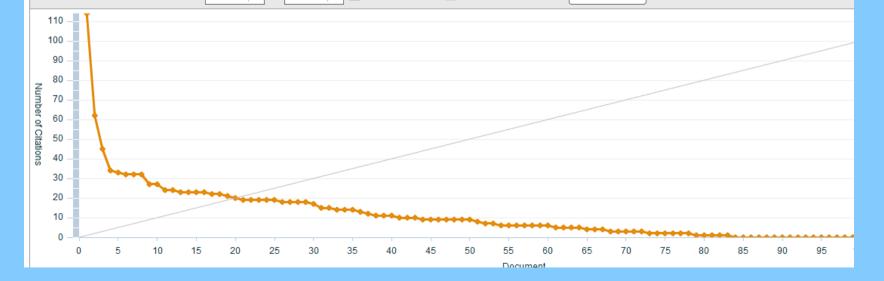
Impact can be assessed on various levels:

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

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	Citations							Author <i>h</i> index
99 Cited Documents 🔛 Save list	<2012	2012	2013	2014	Subtotal	>2014	Total	View h-Graph
두 💥 Delete Total	805	224	222	70	516	0	1321	Of the 99 documents considered for the <i>h</i> index, 22 have been
1 🗇 2014 Automatic Identification of Need					0		0	cited at least 22 times.
2 🔲 2014 Novel vital signs-controlled, pa					0		0	Note:The <i>h</i> index considers Scopus documents published
3 🔲 2014 Closed-loop double-vasopressor a					0		0	after 1995. About h-Graph
4 🔲 2013 Ultrasound guided automatic loca					0		0	
5 🔲 2013 Closed-loop double-vasopressor a					0		0	
6 🔲 2013 Interactive technology in obstet				1	1		1	
7 🔲 2013 Influence of mu-opioid receptor			1	1	2		2	
8 📄 2013 Factors affecting fetal bradycar			1	1	2		2	
9 📃 2013 A randomised comparison of varia			2	1	3		3	

Scopus							
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Author Evaluator - Sia, Tiong Heng Alex; Sia, Alex Tiong Heng							
Sia, Tiong Heng Alex; Sia, Alex Tiong Heng							
Documents (99) h Index (20) Citations (1198)							
h Graph Document List							
h Index = 20 The h Index is based upon the number of documents and number of citations.							

- Stories publication data tell can be used for
- Grants applications and renewals
- Promotion
- Institutional reporting
- Reputation/Prestige in the field



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

