

The H Index for Management Information Systems

The **h-index** is a citation index that attempts to measure both the productivity and impact of the published work of a scientist or scholar (<http://en.wikipedia.org/wiki/H-index>). The index was suggested by Jorge E. Hirsch, a physicist at UCSD, as a tool for determining theoretical physicists' relative quality (Hirsch, 2005). **A scholar with an index of h has published h papers each of which has been cited by others at least h times.** The h-index is intended to measure simultaneously the quality and sustainability of scientific output, as well as, to some extent, the diversity of scientific research. Since 2005, the h-index has been discussed and analyzed in major publications such as *PNAS* and *Nature* (Hirsch, 2005, 2007; Lehmann et al., 2006; Wendl, 2007) and adopted in many disciplines (e.g., physics, biology, computer science, information science, social sciences, economics, etc.).

The h-index can be manually determined using citation databases or using automatic web tools. Subscription-based databases such as Scopus and the Web of Science provide automated calculators. Each database or tool is likely to produce a different h for the same scholar because of different coverage. Google Scholar is widely used due to its availability and easy access. Google Scholar tends to have more citations (especially from conference publications) than Scopus and Web of Science, which cover mostly journal publications (<http://en.wikipedia.org/wiki/H-index>).

We provide here a partial list of Management Information System professors and researchers who each has an h-index of 20 or higher according to Google Scholar. The original list of scholars that we considered includes AIS LEO recipients, AIS Fellows, past ICIS conference and program chairs, recent ICIS track chairs, AEs of selected major MIS journals (MISQ, ISR, JMIS, MS, DSS, JAIS, TMIS), and highly ranked scholars from several recent MIS research productivity studies (e.g., CAIS 2007; EJIS 2007). Based on an initial list of about 400 senior scholars, a PHP program was developed to automatically query Google Scholar and compute the h-index for each scholar. Due to the difficulty with common names, this program distinguishes works in the field through a combination of rules and machine learning. Selected results were manually checked to verify correctness. The results obtained from our analysis are similar to those generated from the popular and freely available Harzing's "Publish or Perish" application (<http://www.harzing.com/pop.htm>), which also accesses Google Scholar for its h-index calculation.

Although there are many different yardsticks for measuring research productivity in MIS, we believe the h-index is a metric that deserves attention due to its academic basis, simplicity, and wide acceptance in other major scientific disciplines. Several fields have included the h-index of productive scholars in their disciplines at selected web sites, such as "The h index for Computer Science" at <http://www.cs.ucla.edu/~palsberg/h-number.html>, and, for economists, the h-index provided on the IDEAS website and database at <http://ideas.repec.org/top/top.person.hindex.html>. This h-index for Management Information Systems is a similar effort.

Any automated tool may invariably introduce errors, inconsistencies, or omissions. Please send comments, corrections, and new entries to Cathy Larson at the University of Arizona, ailab@eller.arizona.edu. We will also provide an annual update based on our existing Java program and Google Scholar.

References:

- Jorge E. Hirsch (2005). "An index to quantify an individual's scientific research output." *PNAS* 102 (46): 16569–16572.
- Jorge E. Hirsch (2007). "Does the h-index have predictive power?" *PNAS* 104 (49): 19193–19198.
- Michael Wendl (2007). "H-index: however ranked, citations need context." *Nature* 449 (7161): 403.
- Sune Lehmann, Andrew D. Jackson, and Benny E. Lautrup (2006). "Measures for measures." *Nature* 444 (7122): 1003–4.

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Additions made February 2016

H-Index for Management Information Systems

February 2016

H-Index	Name
78	Andrew Whinston
78	Hsinchun Chen
75	Izak Benbasat
71	Ronald E. Rice
70	Varun Grover
69	Thomas H. Davenport
68	Kalle J. Lyytinen
66	Kenneth L. Kraemer
64	Jay F. Nunamaker, Jr.
63	William R. King
60	Daniel Robey
60	Gary A. Klein
58	Alan R. Dennis
58	Rudy A. Hirschheim
57	Jonathan Grudin
57	Joseph S. Valacich
57	Robert W. Zmud
57	Zahir Irani
56	M. Lynne Markus
56	Robert J. Kauffman
55	Rob Kling
55	Wanda J. Orlikowski
54	Detmar W. Straub, Jr.
54	Matthias Jarke
53	N Venkatraman
52	Sirkka L. Jarvenpaa
51	Clyde W. Holsapple
51	Mark Keil
51	Michael J. Shaw
51	Ritu Agarwal
50	Sue Newell
49	Thompson Teo
48	Douglas R. Vogel
48	EWT Ngai
48	Hugh J. Watson
48	John C. Mingers
47	Albert L. Lederer
47	David Gefen
46	Colette Rolland
46	Viswanath Venkatesh
45	Eric K. Clemons
45	Kwok K. Wei
43	Blake Ives
43	Mary C. Lacity
43	Robert D Galliers
42	George Wright

H-Index	Name
42	Keng L. Siau
42	Paul A. Pavlou
41	Ee P. Lim
41	Helmut Krcmar
41	Henry C. Lucas, Jr.
41	Lorin M. Hitt
41	Robert O. Briggs
41	V. Sambamurthy
40	Alexander Tuzhilin
40	Arun Rai
40	Enid Mumford
40	H. Raghav Rao
39	Amrit Tiwana
39	James J. Jiang
39	Jane Webster
39	Ron Weber
38	iris Vessey
38	John L. King
38	Kar Y. Tam
38	Maryam Alavi
38	Richard J. Boland, Jr.
38	Robert M. Davison
38	Soon Ang
38	Stuart E. Madnick
38	Sundeep Sahay
38	Ting P. Liang
37	BCY Tan
37	PYK Chau
37	Suzanne Rivard
36	Juhani Iivari
36	Richard O. Mason
36	Tridas Mukhopadhyay
35	Abraham Seidmann
35	Benn R. Konsynski
35	Jason Dedrick
35	Joey F George
35	Sandra A. Slaughter
35	Yair Wand
34	Alan R. Hevner
34	Alok Gupta
34	Dorothy E. Leidner
34	E. Burton Swanson
34	Rajiv Sabherwal
34	Tosiyasu L. Kunii
34	Upkar Varshney
33	James Thong

H-Index	Name
32	Anitesh Barua
32	Bill Kettinger
32	Carol S. Saunders
32	France Bélanger
32	John C. Henderson
32	P K. Kannan
32	Peter Weill
32	Sudha Ram
32	Veda C. Storey
31	Ann Majchrzak
31	Eileen M. Trauth
31	Gordon B. Davis
31	Makoto Nagao
31	Rahul Telang
30	Michael J. Earl
29	Balasubramaniam Ramesh
29	Chrisanthi Avgerou
29	Guy G. Gable
29	J. Daniel Couger
29	Michael Chau
29	Ronald M. Lee
29	Sid L. Huff
28	Alain Pinsonneault
28	Allen S. Lee
28	Carsten Sorensen
28	Frank F. Land
28	Gurpreet S. Dhillon
28	John F. Rockart
28	Ramesh Sharda
28	Stefan Klein
28	Paul B. Lowry
27	Christian Wagner
27	Ephraim R. McLean
27	Hemant K. Bhargava
27	J. Leon Zhao
26	Elena Karahanna
26	G. Lawrence Sanders
26	Matthew R. Jones
26	R. Brent Gallupe
26	Vijay Gurbaxani
25	Gary J. Koehler
25	Mary J. Culnan
25	Robert W. Blanning
20	Ram D. Gopal
20	Jason Thatcher