

The h Index for Management Information Systems

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Please send comments, corrections, and new entries to Cathy Larson at the University of Arizona, cal@eller.arizona.edu

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 h index of productive scholars in their disciplines at selected web sites, e.g., "The h Index for Computer Science" at: <http://www.cs.ucla.edu/~palsberg/h-number.html>; "The h Index for Economists" 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, cal@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.

Rank	Name
64	Andrew B. Whinston
64	Hsinchun Chen
63	Izak Benbasat
60	Thomas H. Davenport
59	Ronald E. Rice
58	Kenneth L. Kraemer
55	William R. King
54	Varun Grover
54	Gary A. Klein
54	Kalle J. Lyytinen
54	Daniel Robey
53	M. Lynne Markus
53	Jay F. Nunamaker, Jr.
51	Jonathan Grudin
50	Alan R. Dennis
50	Rob Kling
50	Robert W. Zmud
49	Sirkka L. Jarvenpaa
48	Wanda J. Orlikowski
47	Matthias Jarke
47	Detmar W. Straub, Jr.
46	Robert J. Kauffman
46	Joseph S. Valacich
45	Rudy A. Hirschheim
45	N Venkatraman
43	Zahir Irani
42	Albert L. Lederer
41	Clyde W. Holsapple
41	Henry C. Lucas, Jr.
41	Michael J. Shaw
40	Thompson Teo
40	Hugh J. Watson
39	David Gefen
39	Mark Keil
39	Sue Newell
38	Ritu Agarwal
38	Eric K. Clemons
38	John C. Mingers
37	Blake Ives
37	Colette Rolland
37	Viswanath Venkatesh
37	Iris Vessey
36	Richard O. Mason
36	Enid Mumford
36	V Sambamurthy

Rank	Name
35	Maryam Alavi
35	James J. Jiang
35	John L. King
35	Benn R. Konsynski
35	Mary C. Lacity
35	Tridas Mukhopadhyay
35	Arun Rai
35	Jane Webster
34	Robert O. Briggs
34	Keng L. Siau
33	Richard J. Boland, Jr.
33	Gordon B. Davis
33	Lorin M. Hitt
33	H. Raghav Rao
33	Suzanne Rivard
33	Ron Weber
33	Kwok K. Wei
32	John C. Henderson
32	Stuart E. Madnick
32	EWT Ngai
31	Alok Gupta
31	Tosiyasu L. Kunii
31	Paul A. Pavlou
31	Abraham Seidmann
31	Kar Y. Tam
31	Amrit Tiwana
31	Alexander Tuzhilin
31	Upkar Varshney
31	Douglas R. Vogel
31	Yair Wand
30	Michael J. Earl
30	Robert D. Galliers
30	Joey F. George
30	Ee P. Lim
30	Makoto Nagao
30	Sundeeep Sahay
29	Soon Ang
29	PYK Chau
29	Helmut Krcmar
29	Ronald M. Lee
29	BCY Tan
29	Peter Weill
29	George Wright
28	Juhani Iivari
28	Dorothy E. Leidner

Rank	Name
28	Ting P. Liang
28	John F. Rockart
28	Rajiv Sabherwal
28	Sandra A. Slaughter
28	Veda C. Storey
28	E. Burton Swanson
27	J. Daniel Couger
27	Jason Dedrick
27	Ephraim R. McLean
27	Ramesh Sharda
27	Eileen M. Trauth
26	Anitesh Barua
26	R. Brent Gallupe
26	Matthew R. Jones
26	Stefan Klein
26	Frank F. Land
26	Ann Majchrzak
26	Carol S. Saunders
26	Rahul Telang
25	Hemant K. Bhargava
25	Robert M. Davison
25	Alan R. Hevner
25	Sid L. Huff
24	Robert W. Blanning
24	Mary J. Culnan
24	Guy G. Gable
24	Allen S. Lee
24	Sudha Ram
23	Michael Chau
23	P K. Kannan
23	Elena Karahanna
23	Gary J. Koehler
23	Alain Pinsonneault
23	Balasubramaniam Ramesh
23	J. Leon Zhao
22	Chrisanthi Avgerou
22	Gurpreet S. Dhillon
22	G. Lawrence Sanders
22	Carsten Sorensen
22	JYL Thong
22	Christian Wagner
21	Vijay Gurbaxani
20	Ram D. Gopal