

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 Sandeep Suntuwal at the University of Arizona, sandeepsuntuwal@eller.arizona.edu. We would like to thank the community members for their valuable feedback and inputs and will continue to provide periodic 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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H-Index for Management Information Systems
January 2017

H-Index	Name	H-Index	Name	H-Index	Name
88	Hsinchun Chen	46	Robert O. Briggs	35	P K. Kannan
85	Andrew Whinston	45	Blake Ives	35	Qing Hu
83	Izak Benbasat	45	Ee P. Lim	35	Steven Alter
83	Thomas H. Davenport	45	Mary C. Lacity	35	Sudha Ram
77	Varun Grover	45	Soon Ang	34	Ann Majchrzak
75	Ronald E. Rice	44	Alexander Tuzhilin	34	Carol S. Saunders
74	Kalle J. Lyytinen	44	Amrit Tiwana	34	Dennis Galletta
72	Erik Brynjolfsson	44	Jane Webster	34	Eileen M. Trauth
68	Kenneth L. Kraemer	44	Lorin M. Hitt	34	France Bélanger
65	Rob Kling	44	PYK Chau	34	Lorne Olfman
65	William R. King	44	Ting P. Liang	33	Veda C. Storey
65	Joseph S. Valacich	43	Ron Weber	32	Bill Kettinger
64	Jay F. Nunamaker, Jr.	43	V. Sambamurthy	32	Carsten Sorensen
63	Daniel Robey	42	Richard J. Boland, Jr.	32	Chrisanthi Avgerou
63	Rudy A. Hirschheim	41	BCY Tan	32	Jan Pries-Heje
63	Zahir Irani	41	Daniel Dajun Zeng	32	Michael Chau
61	Alan R. Dennis	41	Henry C. Lucas, Jr.	32	Ramesh Sharda
61	Detmar W. Straub, Jr.	41	Iris Vessey	31	Anne P. Massey
61	Richard Watson	41	Kar Y. Tam	31	Gurpreet S. Dhillon
61	Robert J. Kauffman	41	Sundeep Sahay	31	Guy G. Gable
61	Wanda J. Orlikowski	40	David Avison	31	Makoto Nagao
60	Gary A. Klein	40	Dorothy E. Leidner	31	Rahul Telang
60	Jonathan Grudin	40	Enid Mumford	30	Alain Pinsonneault
60	M. Lynne Markus	40	Gert-Jan de Vreede	30	Allen S. Lee
59	Robert W. Zmud	40	Joey F George	30	Elena Karahanna
58	Sue Newell	40	Stuart E. Madnick	30	Fiona Nah
58	Thompson Teo	40	Suzanne Rivard	30	Frank F. Land
57	Clyde W. Holsapple	39	Jan Marco Leimeister	30	Hemant K. Bhargava
57	Mark Keil	39	Jason Dedrick	30	Merrill Warkentin
57	N Venkatraman	39	John L. King	30	Ronald M. Lee
57	Ritu Agarwal	39	Robert M. Davison	29	J. Daniel Couger
55	Douglas R. Vogel	39	Patrick Fan	29	Sid L. Huff
55	EWT Ngai	38	Abraham Seidmann	29	Stefan Klein
55	Geoff Walsham	38	Joe Peppard	28	Christian Wagner
55	Richard Baskerville	38	Maryam Alavi	28	G. Lawrence Sanders
55	Viswanath Venkatesh	38	Michael D. Myers	28	J. Leon Zhao
54	Matthias Jarke	38	Upkar Varshney	28	Jason Thatcher
53	Michael J. Shaw	37	Daniel E. O'Leary	28	John F. Rockart
52	Hugh J. Watson	37	Fred D Davis	28	Michael J. Earl
52	John C. Mingers	37	Rajiv Sabherwal	28	Ram D. Gopal
52	Kevin Crowston	37	Sandra A. Slaughter	28	Sarv Devaraj
52	Sirkka L. Jarvenpaa	37	Tosiyasu L. Kunii	28	Vijay Gurbaxani
51	David Gefen	37	Tridas Mukhopadhyay	27	Ephraim R. McLean
51	Foster Provost	37	Yair Wand	27	Sue Brown
49	Colette Rolland	36	Alan R. Hevner	27	Sunil Mithas
49	Helmut Krcmar	36	Hee-Woong Kim	27	Ulrike Schultze
49	Paul A. Pavlou	36	James Thong	22	Bin Gu
48	Albert L. Lederer	36	Juhani Iivari	26	J.P. Shim
48	H. Raghav Rao	36	Paul Benjamin LOWRY	26	Peter Fettke
48	Kwok K. Wei	36	Peter Weill	26	R. Brent Gallupe
47	Eric K. Clemons	36	Richard O. Mason	25	Gary J. Koehler
47	James J. Jiang	35	Alok Gupta	25	Mary J. Culnan
47	Keng L. Siau	35	Benn R. Konsynski	25	Robert W. Blanning
47	Matthew K O Lee	35	Anitesh Barua	24	Jane Fedorowicz
47	Robert D Galliers	35	Balasubramaniam Ramesh	22	Deborah Compeau
46	George Wright	35	Dale L. Goodhue	22	K. D. Joshi
46	Arun Rai	35	E. Burton Swanson	22	Shirish C Srivastava
46	Brian Fitzgerald	35	Gordon B. Davis	22	Sinan Aral
46	Ramayya Krishnan	35	John C. Henderson	21	Samir Chatterjee
				20	Matthew R. Jones