

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 higher than 25 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 Python program was developed to automatically query Google Scholar and obtain the h-index for each scholar via a combination of predefined rules. If a given scholar does not have a Google Scholar profile, we used 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. Selected results were manually checked to verify correctness. Our effort yielded 173 scholars. While not exhaustive, given the latest official number of AIS members in 2017 (i.e., 4,329), this number accounts for almost 4% of the AIS members.

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 Riley McIsaac at the University of Arizona, ailab@eller.arizona.edu. We would like to thank the community members for their valuable feedback and inputs. We will continue to provide an annual update based on our existing 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.

Please note that the compilation of this list is ongoing until the end of May 2020 and then it will freeze until the next major update. If you are aware of discrepancies or you want to send us the link for your Google Scholar, please contact ailab@eller.arizona.edu so that we can address your concerns.

H-Index for Management Information Systems (May 2020)

H-Index	Name	H-Index	Name	H-Index	Name
99	Hsinchun Chen	53	Robert O. Briggs	40	Tridas Mukhopadhyay
97	Thomas H. Davenport	53	Soon Ang	40	Alan R. Hevner
94	Izak Benbasat	53	Jane Webster	40	James Thong
93	Andrew Whinston	53	Daniel Dajun Zeng	40	Juhani Iivari
91	Varun Grover	53	Gary Klein	39	Chrisanthi Avgerou
91	Kalle J. Lyytinen	53	Paul Benjamin LOWRY	39	Michael Chau
84	Erik Brynjolfsson	52	William R. King	39	Fiona Nah
79	Ronald E. Rice	52	Colette Rolland	39	Stefan Klein
79	Jay F. Nunamaker, Jr.	52	Albert L. Lederer	39	John C. Henderson
79	Zahir Irani	52	George Wright	38	Steven Alter
78	Paul A. Pavlou	51	Blake Ives	38	Lorne Olfman
77	Joseph S. Valacich	51	Ting P. Liang	38	Alain Pinsonneault
74	Richard Watson	51	BCY Tan	38	Merrill Warkentin
74	Ronald M. Lee	50	Lorin M. Hitt	38	Anitesh Barua
73	Detmar W. Straub, Jr.	50	Jan Marco Leimeister	38	Balasubramaniam Ramesh
73	Viswanath Venkatesh	50	Eric K. Clemons	37	Veda C. Storey
72	Kenneth L. Kraemer	49	Ann Majchrzak	37	Carsten Sorensen
71	Daniel Robey	49	Alexander Tuzhilin	37	Ramesh Sharda
71	Sue Newell	49	Richard J. Boland, Jr.	37	Elena Karahanna
70	Rudy A. Hirschheim	49	Patrick Fan	37	Sue Brown
69	Alan R. Dennis	48	Sundeep Sahay	37	Sunil Mithas
68	Robert J. Kauffman	48	Gert-Jan de Vreede	37	E. Burton Swanson
68	Wanda Orlikowski	47	Amrit Tiwana	36	Gurpreet Dhillon
68	Thompson Teo	47	Robert M. Davison	36	Hee-Woong Kim
68	Sirkka L. Jarvenpaa	47	Fred D Davis	36	Richard O. Mason
67	Mark Keil	47	Alok Gupta	35	Anne P. Massey
67	EWT Ngai	46	Chris F. Kemerer	35	Guy G. Gable
66	M. Lynne Markus	45	France Belanger	35	J. Leon Zhao
65	Rob Kling	45	Ron Weber	35	Ram D. Gopal
65	Ritu Agarwal	45	V. Sambamurthy	34	Jan Pries-Heje
65	Richard Baskerville	45	Iris Vessey	34	Allen S. Lee
65	Matthias Jarke	45	David Avison	33	Hemant K. Bhargava
64	Robert Zmud	45	Dorothy E. Leidner	33	J. Daniel Couger
64	CW Holsapple	45	Enid Mumford	33	Sid L. Huff
64	H. Raghav Rao	45	Stuart Madnick	33	Christian Wagner
64	Matthew K O Lee	45	Suzanne Rivard	33	Sarv Devaraj
62	N Venkatraman	45	Michael D. Myers	33	Peter Fettke
62	Douglas Vogel	45	Upkar Varshney	33	Ahmed Abbasi
62	Kevin Crowston	45	Benn R. Konsynski	33	K. D. Joshi
62	Helmut Krcmar	44	Rahul Telang	33	Gordon B. Davis
61	Ramayya Krishnan	43	P K. Kannan	32	Frank F. Land
60	Geoff Walsham	43	Sudha Ram	32	G. Lawrence Sanders
60	Hugh J. Watson	43	Bill J. Kettinger	32	Michael J. Earl
60	John C. Mingers	43	Joey F George	32	J.P. Shim
60	Arun Rai	43	Jason Dedrick	31	Bin Gu
59	Michael J. Shaw	43	John Leslie King	31	Brent Gallupe
58	Foster Provost	43	Abraham Seidmann	29	Eileen M. Trauth
58	Robert D Galliers	43	Joe Peppard	29	John F. Rockart
57	Ee P. Lim	43	Jason Thatcher	29	Vijay Gurbaxani
57	David Gefen	43	Peter Weill	29	Ulrike Schultze
56	Qing Hu	42	Daniel E. O'Leary	29	Dale L. Goodhue
55	Henry C. Lucas, Jr.	42	Rajiv Sabherwal	29	Sinan Aral
55	James J. Jiang	42	Sandra A. Slaughter	28	Mary J. Culnan
54	Mary C. Lacity	42	Yair Wand	28	Robert W. Blanning
54	PYK Chau	41	Ephraim R. McLean	28	Samir Chatterjee
54	Kar Y. Tam	40	Carol S. Saunders	28	Matthew R. Jones
54	Keng L. Siau	40	Dennis Galletta	27	Gary J. Koehler
54	Brian Fitzgerald	40	Maryam Alavi	26	Jane Fedorowicz