Dashun Wang

Contact Information	Northwestern University Kellogg School of Management Management & Organizations Evanston, IL 60208, USA	Voice: (617) 671-8506 E-mail: dashunwang@gmail.com WWW: http://dashunwang.com Updated: Sept 1st, 2021
Research Interests	My current research focus is on <i>Science of Science</i> , a c and curiosities upon science itself, hoping to use an sciences and artificial intelligence to broadly explore fered by the recent data explosion in science. Keywords: Science of Science, Computational Social Data, Complex Systems	nd develop tools from complexity the opportunities and promises of-
ACADEMIC	Northwestern University, Evanston, IL. USA	
POSITIONS	 Professor, Management & Organizations, Kellogg School of Industrial Engineering & Management Sciences, N Founding Director, Center for Science of Science and Innovation, Kel Associate Professor (with Tenure), Associate Professor, Core faculty, Northwestern Institute on Complex S Pennsylvania State University, University Park, PA, Assistant Professor, 	McCormick School of Engineering August 2019 to present logg School of Management September 2020 to August 2021 August 2016 to August 2020 Systems. August 2016 to present
	College of Information Sciences and Technology	January 2013 to July 2016
	IBM T.J. Watson Research Center, Yorktown Heigh	nts, NY, USA
	Research Staff Member	July 2013 to December 2014
	Northeastern University, Boston, MA, USA	
	Adjunct Assistant/Associate Professor of Physics	January 2014 to June 2019
	Dana-Farber Cancer Institute, Harvard University	v, Boston, MA, USA
	Research Associate	March 2009 to June 2013
	Northeastern University, Boston, MA, USA	
	Research Assistant	January 2009 to June 2013
	IBM T.J. Watson Research Center, Hawthorne, NY,	
	Research Intern	Summers 2010 and 2011
OTHER POSITIONS	• Science Advisor, Chan Zuckerberg Initiative, 20	018 to 2019.

- Science Advisor, Chan Zuckerberg Initiative, 2018 to 2019.
 - Special Volunteer, National Institutes of Health, 2016 to present.

EDUCATION	Ph.D. Physics, Northeastern University, Boston, USA, June 2013
	Thesis title: Statistical Physics in the Era of Big Data
	M.Sc. Physics, Northeastern University, Boston, USA, May 2009B.Sc. Physics, Fudan University, Shanghai, China, July 2007
Selected Honors & Awards	 Finalist - Falling Walls Breakthroughs of the Year 2021 Shortlisted for Thinkers50 Distinguished Achievement Award for Radar Thinker 2021 <i>Erdos-Renyi Prize</i>, NetSci Society, 2021. <i>Thinkers50 Radar</i>, Thinkers50, 2021. <i>Top 100 most-discussed papers across all sciences</i>, 2020. <i>Junior Scientific Award</i>, Complex Systems Society, 2020. <i>World Changing Ideas Awards</i> (honorable mention), Fast Company (FastCo), 2020. <i>Innovations that Inspire</i> (honorable mention), AACSB, 2020. <i>Poets & Quants Best 40 Under 40 Professors</i>, 2019. <i>Top 100 most-discussed papers across all sciences</i>, 2019. <i>Minerva Award</i>, Department of Defense, 2019. <i>Young Investigator Award</i>, Air Force Office of Scientific Research, 2016. <i>Invention Achievement Award</i>, IBM Research, 2014. <i>Best Student Talk Award</i>, International Workshop and Conference on Network Science (NetSci, Chicago, IL, USA), 2012. <i>Student Travel Award</i>, ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD, San Diego, CA, USA), 2011. <i>Student Spotlight</i>, Physics Department, Northeastern University, 2011. <i>Lawrence Award</i>, Northeastern University, 2007–2013 <i>Renmin Scholarship</i>, Fudan University, Shanghai, Awarde 4 times: 2004–2007.
GRANTS	• PI, Peterson Foundation, <u>\$150,000</u> , 2021–2023.
	• PI, National Institutes of Health, <u>\$25,000</u> , 2021–2022.
	• PI, Alfred P. Sloan Foundation, <u>\$500,000</u> , 2021–2024.
	• PI, Future Wanxiang Foundation Inc, <u>\$250,000</u> , 2021–2022.
	• PI, Department of Defense, <u>\$309,562</u> , 2020–2021.
	• PI, National Institutes of Health, <u>\$150,000</u> , 2019–2020.
	• PI, Alfred P. Sloan Foundation, <u>\$250,000</u> , 2019–2022.
	• Lead PI, "Fundamental dynamics, predictability, and uncertainty of tomorrow's scien- tific discoveries", Department of Defense, Minerva Award, <u>\$5M</u> , 2019–2024.
	 PI, "Collaborative Research: Understanding Team Success and Failure", National Science Foundation (NSF) Award #1829344, <u>\$592,772</u>, 2018/08–2021/08.
	• PI, Data Science Initiative, Northwestern University, <u>\$45,000</u> , 2017/03–2018/03.

- PI, "Modeling and Predicting Individual Scientific Impact", Air Force Office of Scientific Research (AFOSR) Young Investigator Research Program, \$359,716, 2016/12-2019/12.
- co-PI, "Discovering the Extent of Estimable Prediction in Science and Technology (DEEP)", Air Force Office of Scientific Research (AFOSR), \$768,371, 2015/05-2018/05.
- PI, "Modeling patent citation dynamics to uncover and predict patent quality and impacts", Interdisciplinary Award, Penn State University, \$85,581, 2016/01-2016/07.
- co-PI, "International Symposium on Science of Science", National Science Foundation (NSF), \$40,000, 2016/03.
- PI, "Science of Science Data award", Penn State University, \$5,000, 2015/03.
- co-PI, "Modeling New Product Innovation and Market Reception: predicting market success and exploring computational creativity", IBM Open Collaborative Research Awards (OCR), \$75,000, 2014/10.

[†]: equal contribution TEN MOST [‡]: corresponding author REPRESENTATIVE RESEARCH PUBLICATIONS

- - Yian Yin, Jian Gao, Benjamin F. Jones, **Dashun Wang**[‡], Co-evolution of Policy and Science during the Pandemic, Science, 2021.
 - Yian Yin, Yang Wang, James A. Evans, and **Dashun Wang**[‡], Quantifying the dynamics of failure across science, startups, and security, *Nature*, 2019.
 - Yang Wang, Benjamin F. Jones, and **Dashun Wang**[‡], Early-Career Setback and Future Career Impact, Nature Communications, 2019.
 - Lingfei Wu, Dashun Wang, James A. Evans, Large teams develop and small teams disrupt science and technology. Nature, 2019. [Cover Article]
 - Ching Jin, Chaoming Song, Johannes Bjelland, Geoffrey Canright, **Dashun Wang**[‡], Emergence of Scaling in Complex Substitutive Systems. *Nature Human Behaviour*, 2019. [Cover Article]
 - Lu Liu, Yang Wang, Roberta Sinatra, C. Lee Giles, Chaoming Song, and Dashun Wang[‡], Hot Streaks in Artistic, Cultural, and Scientific Careers. *Nature*, 2018.
 - Tao Jia[‡], **Dashun Wang**[‡], and Boleslaw K. Szymanski[‡]. Quantifying patterns of research-interest evolution. Nature Human Behaviour 1 (2017): 0078.
 - Roberta Sinatra, Dashun Wang, Pierre Deville, Chaoming Song, and Albert-László Barabási, Quantifying the evolution of individual scientific impact, Science, 354, 6312 (2016).
 - Pierre Deville, Chaoming Song, Nathan Eagle, Vincent Blondel, Albert-László Barabási, and **Dashun Wang[‡]**, Scaling identity connects human mobility and social interactions. Proceedings of the National Academy of Sciences (PNAS), 2016.
 - Dashun Wang[†], Chaoming Song[†], and Albert-László Barabási, Quantifying Longterm Scientific Impact. Science, 342, 6154 (2013): 127-132. [Cover Article]

Воок

DOOR	1. Dashun Wang and Albert-László Barabási, <i>The Science of Science</i> , Cambridge University Press, 2021.
PUBLICATIONS (FULL LIST)	[†] : equal contribution [‡] : corresponding author
	 Lu Liu, Nima Dehmamy, Jillian Chown, C. Lee Giles, and Dashun Wang[‡], Understanding the onset of hot streaks across artistic, cultural, and scientific careers, <i>Nature Communications</i>, 2021
	 Yian Yin, Jian Gao, Benjamin F. Jones, Dashun Wang[‡], Coevolution of Policy and Science during the Pandemic, <i>Science</i>, 2021.
	 Kyle R. Myers[‡], Wei Yang Tham, Yian Yin, Nina Cohodes, Jerry G. Thursby, Marie C. Thursby, Peter Schiffer, Joseph T. Walsh, Karim R. Lakhani, Dashun Wang[‡], Unequal effects of the COVID-19 pandemic on scientists, <i>Nature Human</i> <i>Behaviour</i>, 2020
	5. Jichao Li, Yian Yin, Santo Fortunato, and Dashun Wang [‡] , Scientific Elite revisited: Patterns of productivity, collaboration, authorship, and impact. <i>Journal of the Royal Society Interface</i> , 2020.
	 Jiachen Sun, Ling Feng, Jiarong Xie, Xiao Ma, Dashun Wang and Yanqing Hu, Revealing the Predictability of Intrinsic Structure in Complex Networks. <i>Nature</i> <i>Communications</i>, 2020.
	 Yian Yin, Yang Wang, James A. Evans, and Dashun Wang[‡], Quantifying the dy- namics of failure across science, startups, and security. <i>Nature</i>, 2019.
	8. Yang Wang, Benjamin F. Jones, and Dashun Wang [‡] , Early-Career Setback and Future Career Impact, <i>Nature Communications</i> , 2019.
	 Lingfei Wu, Dashun Wang, James A. Evans, Large teams develop and small teams disrupt science and technology. <i>Nature</i>, 2019. [Cover Article]
	 Ching Jin, Chaoming Song, Johannes Bjelland, Geoffrey Canright, Dashun Wang[‡], Emergence of Scaling in Complex Substitutive Systems. <i>Nature Human Beha-</i> <i>viour</i>, 2019. [Cover Article]
	 Jichao Li, Yian Yin, Santo Fortunato, and Dashun Wang[‡], Nobel laureates are almost the same as us. <i>Nature Reviews Physics</i>, 2019.
	 Jichao Li, Yian Yin, Santo Fortunato, and Dashun Wang[‡], A dataset of publication records for Nobel laureates. <i>Scientific Data</i>, 2019.
	13. Morgan R. Frank, David Autor, James E. Bessen, Erik Brynjolfsson, Manuel Cebrian, David J. Deming, Maryann Feldman, Matthew Groh, Jose Lobo, Esteban Moro, Dashun Wang , Hyejin Youn, Iyad Rahwan. Towards understanding the impact of AI on labor. <i>Proceedings of the National Academy of Sciences (PNAS)</i> , 2019.

- Morgan Frank, Dashun Wang, Manuel Cebrian, Iyad Rahwan. The evolution of citation graphs in artificial intelligence research. *Nature Machine Intelligence*, 2019. [Cover Article]
- Federico Battiston, Federico Musciotto, Dashun Wang, Albert-László Barabási, Michael Szell, Roberta Sinatra. Taking census of physics, *Nature Reviews Phy*sics, 1, 89–97, 2019.
- Lu Liu, Yang Wang, Roberta Sinatra, C. Lee Giles, Chaoming Song, and Dashun Wang[‡], Hot Streaks in Artistic, Cultural, and Scientific Careers. *Nature*, 2018.
- Zhongyang He, Zhen Lei, and Dashun Wang[‡]. Modeling citation dynamics of "atypical" articles. *Journal of the Association for Information Science and Tech*nology, 2018.
- Santo Fortunato, Carl T. Bergstrom, Katy Borner, James A. Evans, Dirk Helbing, Stasa Milojevic, Alexander M. Petersen, Filippo Radicchi, Roberta Sinatra, Brian Uzzi, Alessandro Vespignani, Ludo Waltman, Dashun Wang, Albert-Laszlo Barabasi, Science of Science. *Science*, 2018.
- 19. Tao Jia[‡], **Dashun Wang**[‡], and Boleslaw K. Szymanski[‡]. Quantifying patterns of research-interest evolution. *Nature Human Behaviour* 1 (2017): 0078.
- 20. Yian Yin, and **Dashun Wang**[‡]. The time dimension of science: Connecting the past to the future. *Journal of Informetrics* 11.2 (2017): 608-621.
- Roberta Sinatra, Dashun Wang, Pierre Deville, Chaoming Song, and Albert-László Barabási, Quantifying the evolution of individual scientific impact, *Science*, 354, 6312 (2016).
- 22. Pierre Deville, Chaoming Song, Nathan Eagle, Vincent Blondel, Albert-László Barabási, and **Dashun Wang**[‡], Scaling identity connects human mobility and social interactions. *Proceedings of the National Academy of Sciences (PNAS)*, 2016.
- 23. Xinyang Zhang, **Dashun Wang**, and Ting Wang, Inspiration or Preparation? Explaining Creativity in Scientific Enterprise. *Proceedings of the 25th ACM International Conference on Information and Knowledge Management (CIKM-2016)*, 2016. [Full paper, acceptance rate: 17.6 %]
- 24. Yi-Shan Sung, **Dashun Wang**, and Soundar Kumara, Uncovering the effect of dominant attributes on community topology: A case of Facebook networks. *Information Systems Frontiers*, 2016.
- 25. Roberta Sinatra, Pierre Deville, Michael Szell, **Dashun Wang**, and Albert-László Barabási, A Century of Physics, *Nature Physics*, 11.10 (2015): 791-796. [Cover Article].
- 26. Chaoming Song[†], **Dashun Wang**[†], and Albert-László Barabási, Connections between Human Dynamics and Network Science. arXiv:1209.1411, 2015.
- 27. Nan Cao, Yu-Ru Lin, Fan Du, and **Dashun Wang**, Episogram: Visual Summarization of Egocentric Social Interactions. *IEEE Computer Graphics and Applications*, 2015.

- 28. Chaoming Song and **Dashun Wang**, Impact of Human Mobility on Social Networks. *Journal of Communications and Networks*, 17.2 (2015): 100-109.
- 29. Giuseppe Mangioni, Filippo Simini, **Dashun Wang**, and Stephen Miles Uzzo (editors), Complex Networks VI, *Springer*, 2015. [Edited Book]
- 30. Ting Wang and **Dashun Wang**, Why Amazon's Ratings Might Mislead You? The Story of Herding Effects. *Big Data Journal*, 2014.
- 31. Ting Wang, **Dashun Wang**, and Fei Wang, Quantifying Herding Effects in Crowd Wisdom. *Proc. 20th ACM SIGKDD Intl. Conf. on Knowledge Discovery and Data Mining (KDD 2014)*, 2014.
- 32. Hua-Wei Shen, **Dashun Wang**, Chaoming Song, and Albert-László Barabási, Modeling and Predicting Popularity Dynamics via Reinforced Poisson Processes. *The Twenty-Eighth AAAI Conference on Artificial Intelligence (AAAI 2014)*, 2014.
- 33. A. Jagmohan, Y. Li, N. Shao, A. Sheopuri, **D. Wang**, L. R. Varshney, and P. Huang, Exploring Application Domains for Computational Creativity. *The Fifth International Conference on Computational Creativity (ICCC 2014)*, 2014.
- Pierre Deville, Dashun Wang, Chaoming Song, Roberta Sinatra, Vincent Blondel and Albert-László Barabási, Career on the Move: Geography, Stratification, and Scientific Impact. *Nature Scientific Reports*, 4: 4770, 2014.
- 35. **Dashun Wang**, Chaoming Song, Hua-Wei Shen, Albert-László Barabási, Response to comment on "Quantifying long-term scientific impact", *Science*, 345, 6193 (2014): 149-149.
- Liang Gao, Chaoming Song, Ziyou Gao, Albert-László Barabási, James P. Bagrow, and Dashun Wang[‡], Quantifying Information Flow During Emergencies. *Nature Scientific Reports*, 4: 3997, 2014.
- Dashun Wang, Yu-Ru Lin, and James P. Bagrow, Social Networks in Emergency Response. *Encyclopedia of Social Network Analysis and Mining*, Springer, 2014 (Edited by Reda Alhajj and Jon Rokne).
- Dashun Wang[†], Chaoming Song[†], and Albert-László Barabási, Quantifying Longterm Scientific Impact. *Science*, 342, 6154 (2013): 127-132. [Cover Article]
- 39. Fosca Giannotti, Luca Pappalardo, Dino Pedreschi, and Dashun Wang, A complexity science perspective on human mobility. *Mobility Data: Modeling, Management, and Understanding*, Cambridge University Press, 2013 (Edited by Chiara Renso, Stefano Spaccapietra, and Esteban Zimányi).
- 40. Dashun Wang, Dino Pedreschi, Chaoming Song, Fosca Giannotti, and Albert-László Barabási, Human Mobility, Social Ties, and Link Prediction. *Proc. 17th* ACM SIGKDD Intl. Conf. on Knowledge Discovery and Data Mining (KDD 2011). (Full paper, acceptance rate: 17.5%)
- James P. Bagrow[†], Dashun Wang[†], and Albert-László Barabási, Collective Response of Human Populations to Large-scale Emergencies. *PLoS ONE*, 6(3): e17680, 2011

	 42. Dashun Wang, Zhen Wen, Hanghang Tong, Ching-Yung Lin, Chaoming Song and Albert-László Barabási, Information Spreading in Context. <i>Proc. 20th International World Wide Web Conference (WWW 2011)</i>. (Full paper, acceptance rate: 12.4%)
Selected Working Papers	 43. Yian Yin, Yuxiao Dong, Kuansan Wang, Dashun Wang[‡], Benjamin F. Jones[‡] Science as a public good: Quantifying uses of science beyond science. 2021
	44. Jian Gao, Yian Yin, Kyle R. Myers, Karim R. Lakhani, Dashun Wang[‡] , Fewe New Projects: The Potentially Long-lasting Effects of the COVID-19 Pandemi on Scientists. 2021
	45. Ryan R. Hill, Yian Yin, Carolyn Stein, Dashun Wang [‡] , Benjamin F. Jones [‡] , Adap tability and the pivot penalty in science. 2021
	 Shuhong Hang, Jiachen Sun, Ling Feng, Jiarong Xie, Dashun Wang, and Yanqing Hu, Identify COVID-19 Hidden Spreaders over Contact Tracing Networks, 2021
	47. Kyle R. Myers, Karim R. Lakhani, Dashun Wang , Towards recovery: Scientist with better ratings of their institution's response to the COVID-19 pandemic hav more optimistic forecasts about their future research, 2021
	 Woo Seong Jo, Lu Liu, and Dashun Wang[‡], See further upon the giants: Quantifying intellectual lineage in science, 2021
	49. Nima Dehmamy, Woo Seong Jo, Lu Liu, Dashun Wang [‡] , Knowledge Distillation and Paper Production Using Artificial Intelligence, 2021
	 Zhongyang He, Zhen Lei, Yang Wang, and Dashun Wang[‡], Diamond in the rough Quantifying failed innovation endeavors. 2021 (Pending NIH approval for submission)
	51. Dashun Wang , The Science of Career: When Do You Do Your Best Work. <i>Scientific American</i> , 2019. (With the editor. Accepted by the editorial board).
	52. Yang Wang, Travis Hoppe, B. Ian Hutchins, George M. Santangelo, James Evan and Dashun Wang [‡] , Funding decision and scientific progress: Unintended conse quences and latent opportunities, 2021 (Pending NIH approval for submission)
Opinion pieces (Op-Ed, Byline, or Commentary)	53. <i>Scientific American</i> , If you want creativity, keep the team small. February 20, 2020 (with Jeanne Brett)
	54. <i>Fast Company</i> , The Tipping Point Between Success and Failure. January 16, 2020 (with James Evans)
	55. Fast Company, The long-term benefits of losing. 2019. November 11, 2019.
	56. <i>Harvard Business Review</i> , When Losing Out on a Big Opportunity Helps You Career. October 1st, 2019. (with Ben Jones)

	57.	Harvard Business Review, How New Versions of Products Spread D Entirely New Products. July 17, 2019.	ifferently Than
	58.	Harvard Business Review, When Small Teams Are Better Than bruary 21, 2019. (with James Evans)	Big Ones. Fe-
	59.	Nature, Science looks worse because it's getting better. 2019.	
	60.	Harvard Business Review, Career Hot Streaks Can Happen at Any 5, 2018.	Age. October
	61.	Pierre Azoulay, Joshua Graff-Zivin, Brian Uzzi, Dashun Wang , H James A Evans, Ginger Zhe Jin, Susan Feng Lu, Benjamin F Jones Karim R Lakhani, Kevin J Boudreau, Eva C Guinan, Toward a science. <i>Science</i> , 2018. (Cover Article)	s, Katy Borner,
	62.	The Wall Street Journal, The Science Behind Career Hot Streaks. As	ugust 10, 2018.
	63.	<i>Forbes</i> , We're Learning To Predict Who Will Have The Greatest December 8, 2016.	Career Impact.
	64.	Albert-László Barabási, Chaoming Song, and Dashun Wang , Har dominates citation. <i>Nature</i> , 491.7422 (2012): 40-40.	ndful of papers
PATENTS			
	65.	Nima Dehmamy, Woo Seong Jo, Lu Liu, Dashun Wang , Knowled and Paper Production Using Artificial Intelligence, Provisional Inv sure filed. 2020	•
	66.	James Evans, Dashun Wang , Yang Wang, Yian Yin. <i>System and Me</i> <i>Success Based on Analysis of Failure</i> . S/N 62/909,317, 2019.	thod to Predict
	67.	Jagmohan, Ashish, Nan Shao, Anshul Sheopuri, Lav R. Varshney Wang. System and Method for Contextual Recipe Recommendation 20,160,140,444, issued May 19, 2016.	
	68.	Dashun Wang , Fei Wang, and Ting Wang. <i>Quantifying and Pred</i> <i>Effects in Collective Rating Systems</i> . U.S. Patent 20,160,063,380, is 2016.	
	69.	Pinel, Florian, Krishna C. Ratakonda, Lav R. Varshney, and Dashur <i>generation using sets of metrics and predicted success values</i> . U.S cation 14/612,698, filed February 3, 2015.	
PRESENTATIONS		ced travel in 2018 and 2019 due to family reasons. The followin de declined invitations or cancelled seminars due to COVID-10.	g list does not
	1.	Invited talk, Science of science summer school	2021/08
	2.	Invited talk, U.S. Department of Energy	2021/07

3.	Plenary lecture, Networks 2021	2021/07
4.	Invited talk, Malone Family Foundation Scholars	2021/06
5.	Invited talk, Summer Institute in Computational Social Science	2021/06
6.	Seminar, Thinkers50	2021/05
7.	Keynote, International Conference on Computational Social Science	2021/04
8.	Seminar, Xi'an Jiaotong University	2021/04
9.	Seminar, University of Luxembourg	2021/03
10.	Seminar, Nicolaus Copernicus University (Poland)	2021/03
11.	Seminar, University of Michigan (Information Science)	2021/03
12.	Seminar, Yale Computational Sociology	2021/03
13.	Seminar, Beijing Academy of Artificial Intelligence	2021/01
14.	Seminar, Sloan Foundation	2020/11
15.	Seminar, Kellogg Alumni Club	2020/10
16.	Invited talk, Northwestern University Board of Trustees meeting	2020/09
17.	Invited talk, AFOSR Trust & Influence	2020/08
18.	Invited talk, Stanford Conference on Computational sociology	2020/08
19.	Invited talk, Academy of Management PDW	2020/08
20.	Seminar, Air Force agency wide seminar	2020/08
21.	Tutorial, Science of Science, Joint Conference on Digital Libraries (JCDL	.) 2020/08
22.	Seminar, The Office of Naval Research leadership debrief	2020/07
23.	Webinar, Kellogg Alumni Club	2020/07
24.	Tutorial, Computational Social Science of Science, International Conference on Computational Social Science (IC ² S ²)	2020/07
25.	Seminar, MIT Sloan School of Management (TIES)	2020/03
26.	Seminar, MIT Sloan School of Management (IDE)	2020/03
27.	Seminar, MIT Media lab	2020/03
28.	Seminar, OSU (Econ department, Applied micro)	2020/03
29.	Seminar, Georgia State University (Business School)	2020/02
30.	Seminar, Northwestern (Kellogg)	2020/02
31.	Seminar, UChicago (Computational social science)	2020/01

32. Webinar, Kel	llogg Leadership Circle	2020/01
33. Seminar, Ber	keley Haas (MORS)	2019/11
34. Speaker, Kel	logg Global Advisor Board	2019/10
-	ter, Big Data workshop nagement Society Annual conference	2019/10
36. Keynote, Dep	partment of Defense, Arlington, VA	2019/09
37. Seminar, Cor	rnell University (Johnson Graduate School of Management)	2019/09
38. Invited partic	cipant, Meta-Science conference, Stanford University	2019/09
	nputational Social Science of Science, Conference on Computational Social Science (IC ² S ²) Netherlands	2019/07
40. Seminar, Kel	logg School of Management, Northwestern University	2019/06
41. Panel Chair,	Kellogg China Insider Forum,	2019/05
42. Keynote, Por	tfolio Analysis Symposium, National Institutes of Health	2019/04
43. Seminar, US	C Information Sciences Institute, CA	2019/03
44. Seminar, IIT	Mathematics Department, Chicago, IL	2019/02
45. Invited Speal	ker, Social Science Foo Camp, Facebook, Menlo Park, CA	2019/02
46. Seminar, Fac	ebook Core Data Science, Menlo Park, CA	2019/02
47. Seminar, Star	nford Graduate School of Business	2019/01
48. Seminar, Cha	an-Zuckerberg Initiative	2019/01
49. Seminar, Ros	ss School of Business, University of Michigan	2018/10
50. Seminar, Haa	as School of Business, UC Berkeley	2018/10
51. Keynote, Lor	ndon speaker series, Nature	2018/08
• •	g Scholarly Data, ACM SIGKDD Conference On Knowledg ta Mining (KDD 2018), London.	ge Disco- 2018/08
53. Science Foo	Camp (SciFoo), Google X, Mountain View, CA,	2018/06
54. Computation	al Social Science Seminar, Northwestern University,	2018/05
55. Panel Chair,	Kellogg China Insider Forum,	2018/05
56. Seminar, AF	OSR, Arlington, VA,	2018/04
57. Seminar, Kel	logg School of Management, Northwestern University	2018/04
58. Seminar, Boo	oth School of Business, The University of Chicago	2018/02

	2010/02
59. Invited Speaker, Social Science Foo Camp, Facebook, Menlo Park, CA	2018/02
60. Seminar, Annenberg School, University of Pennsylvania	2018/02
61. Keynote, International School and Conference on Network Science (Nets Hangzhou, China	SciX 2018) 2018/01
62. Seminar, Shanghai Jiaotong University Shanghai, China	2018/01
63. Seminar, Sun Yat-Sen University Guangzhou, China	2017/12
64. Invited Speaker, Workshop on Innovation, Cities, and the Future of Wor MIT Media Lab	k, 2017/11
65. Seminar, The University of Illinois at Chicago Business	2017/11
66. Invited Speaker, Radical Social Science & Humanities, Amazon Headquarters, Seattle, WA,	2017/10
67. Invited Speaker, Basic Research Innovation and Collaboration Center (E AFOSR, Ballston, VA,	BRICC) 2017/09
68. Seminar, Network Science Institute, Northeastern University,	2017/09
69. Keynote, AI and Public Policy, Tsinghua University Beijing, China	2017/07
70. Keynote, International Conference on Computational Social Science (IC Cologne, Germany	2 ² S ²), 2017/07
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 Cologne, Germany 71. Keynote, The 4th Satellite on Quantifying Success, NetSci 2017, Indianapolis, IN 72. Colloquium, IEMS Department, Northwestern University 73. Colloquium, Tippie College of Business, the University of Iowa 74. Invited Speaker, Ten-year Anniversary of Web Science 75. Invited Speaker, AAAI Symposium, Wanshington DC 76. Colloquium, University of Chicago, Chicago, IL 77. Invited Attendee, Science Foo Camp, Google, Mountain View, CA 78. Keynote, Symposium on Research Methodologies in the Big Data Era 	2017/07 2017/06 2017/04 2017/01 2016/11 2016/11 2016/09 2016/07
 Cologne, Germany 71. Keynote, The 4th Satellite on Quantifying Success, NetSci 2017, Indianapolis, IN 72. Colloquium, IEMS Department, Northwestern University 73. Colloquium, Tippie College of Business, the University of Iowa 74. Invited Speaker, Ten-year Anniversary of Web Science 75. Invited Speaker, AAAI Symposium, Wanshington DC 76. Colloquium, University of Chicago, Chicago, IL 77. Invited Attendee, Science Foo Camp, Google, Mountain View, CA 78. Keynote, Symposium on Research Methodologies in the Big Data Era SRMBD 2016 	2017/07 2017/06 2017/04 2017/01 2016/11 2016/11 2016/09 2016/07 2016/05
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 Cologne, Germany 71. Keynote, The 4th Satellite on Quantifying Success, NetSci 2017, Indianapolis, IN 72. Colloquium, IEMS Department, Northwestern University 73. Colloquium, Tippie College of Business, the University of Iowa 74. Invited Speaker, Ten-year Anniversary of Web Science 75. Invited Speaker, AAAI Symposium, Wanshington DC 76. Colloquium, University of Chicago, Chicago, IL 77. Invited Attendee, Science Foo Camp, Google, Mountain View, CA 78. Keynote, Symposium on Research Methodologies in the Big Data Era SRMBD 2016 79. Invited Panelist, NIH Grand Challenges Workshop, NIH 80. Colloquium, University of Notre Dame, South Bend, IN 	2017/07 2017/06 2017/04 2017/01 2016/11 2016/11 2016/09 2016/07 2016/05 2016/03 2016/03

83.	Colloquium, Northwestern University (NICO), Evanston, IL	2016/02
84.	Invited speaker, Satellite at Conference on Complex Systems, Tempe, AZ	, 2015/10
85.	Invited speaker, Big data social science seminar, Penn State University	2015/10
86.	Keynote, AFOSR and BRICC, Arlington, VA	2015/07
87.	International Conference on Computational Social Science, Finland	2015/06
88.	Colloquium, University of Vermont, Burlington, VT	2015/04
89.	Invited, Metaknowledge Spring workshop, University of Chicago	2015/03
90.	Invited Speaker, The 10th Chinese Conference on Complex Networks. (Changsha, China)	2014/10
91.	Invited Speaker, The First Alibaba Forum on Complexity. (Alibaba, Hangzhou, China)	2014/10
92.	Invited Speaker, AFOSR, Arlington, VA	2014/08
93.	Invited, Metaknowledge Summer meeting, Pacific Grove, CA	2014/08
94.	Colloquium, University of Chicago, Chicago, IL	2014/04
95.	Invited Speaker, IBM T.J. Watson Research Center, Yorktown Heights, NY	7 2014/04
96.	Colloquium, Pennsylvania State University, University Park, PA	2014/02
97.	Colloquium, University of Texas at Austin, Austin, TX	2014/02
98.	Colloquium, Rutgers University, NJ	2014/01
99.	Invited speaker, IBM T.J. Watson Research Center, Yorktown Heights, NY	2013/11
100.	NYU Stern, Workshop on Information in Networks (WIN2013).	2013/10
101.	NetSci13: International Workshop and Conference on Network Science. I -Young Researcher Forum	Denmark. 2013/06
102.	Invited Speaker, Beijing Jiaotong University, Beijing, China	2013/05
103.	Invited Speaker, JointNet Seminar, Boston, MA	2013/04
104.	Invited Speaker, FuturICT Workshop, MIT Media Lab.	2013/02
105.	Invited Speaker, IBM T.J. Watson Research Center, Yorktown Heights, NY	7 2012/12
106.	Invited Seminar, MIT Media Lab, Cambridge, MA	2012/11
107.	Invited Speaker, IBM T.J. Watson Research Center, Yorktown Heights, NY	7 2012/11
108.	NetSci12: International Workshop and Conference on Network Science – Best Student Talk	2012/06
109.	American Physical Society March Meeting 2012.	2012/02

110. NYU Stern, Workshop on Information in Networks (WIN2011).2011/10
111. Seminar speaker, IBM T.J. Watson Research Center, Hawthorne, NY 2011/09
112. Department Seminar, IBM T.J. Watson Research Center, Hawthorne, NY 2011/09
113. Invited Speaker, CAIDA, UCSD, San Diego, CA2011/08
114. Proc. 17th Intl. Conf. on Knowledge Discovery and Data Mining (KDD2011). (Poster, San Diego, CA)2011/08
115. NetSci11: International Workshop and Conference on Network Science. Conference presentation (Budapest, Hungary)2011/06
116. NetSci11: International Workshop and Conference on Network Science. Workshop presentation (Budapest, Hungary)2011/06
117. Interdisciplinary Workshop on Information and Decision in Social Networks (WIDS). MIT LIDS2011/03
118. Seminar, Department of Physics, Northeastern University, Boston, MA 2011/04
119. Proc. 20th International World Wide Web Conference (WWW 2011). (Hyderabad, India)2011/04
120. HSCB Focus 2011: Human Social Culture Behavior Modeling Program. (Chantilly, VA) 2011/02
121. Department Seminar, IBM T.J. Watson Research Center, Hawthorne, NY 2010/08
121. Department Seminar, IBM T.J. Watson Research Center, Hawthorne, NY 2010/08122. SCNARC Seminar, IBM T.J. Watson Research Center, Hawthorne, NY 2010/05
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 122. SCNARC Seminar, IBM T.J. Watson Research Center, Hawthorne, NY 2010/05 123. NetSci10: International Workshop and Conference on Network Science.
 122. SCNARC Seminar, IBM T.J. Watson Research Center, Hawthorne, NY 2010/05 123. NetSci10: International Workshop and Conference on Network Science. (Boston, MA) 2010/05 124. Northeastern University, Research & Scholarship EXPO.
 122. SCNARC Seminar, IBM T.J. Watson Research Center, Hawthorne, NY 2010/05 123. NetSci10: International Workshop and Conference on Network Science. (Boston, MA) 2010/05 124. Northeastern University, Research & Scholarship EXPO. (Poster, Boston, MA) 2010/05 125. Seminar, Department of Physics, Northeastern University, Boston, MA
122. SCNARC Seminar, IBM T.J. Watson Research Center, Hawthorne, NY2010/05123. NetSci10: International Workshop and Conference on Network Science. (Boston, MA)2010/05124. Northeastern University, Research & Scholarship EXPO. (Poster, Boston, MA)2010/05125. Seminar, Department of Physics, Northeastern University, Boston, MA – Best Speaker Prize2010/04
 122. SCNARC Seminar, IBM T.J. Watson Research Center, Hawthorne, NY 2010/05 123. NetSci10: International Workshop and Conference on Network Science. (Boston, MA) 2010/05 124. Northeastern University, Research & Scholarship EXPO. (Poster, Boston, MA) 2010/05 125. Seminar, Department of Physics, Northeastern University, Boston, MA 2010/04 126. American Physical Society March Meeting 2010 2010/03 127. NetSci09: International Workshop and Conference on Network Science.

onference/Workshop Co-Chair/Organizer	
1. Science of Science and Networks, (Networks'21 satellite) USA.	June 2021.
 International Symposium on Science of Science, Library of Congress, Washington DC, USA. 	March 2016.
 Quantifying Science, (CCS'15 satellite) Tempe, AZ, USA. 	October 2015.
 DyNo 2015: 1st International Workshop on Dynamics in Netwo ASONAM, Paris, France. 	orks, August 2015.
5. The 6th Workshop on Complex Networks (CompleNet), New York, NY.	March 2015.
 ImBig: CIKM 2014 Workshop on Interactive Mining for Big D Shanghai, China. 	ata, November 2014.
 Quantifying Success, (ECCS'13 satellite) Barcelona, Spain. 	September 2013.
 Science of Success Symposium, Harvard University, Cambridge, MA. 	June 2013.
 SocialD - A Conversation on Social Dynamics, (NetSci2013), Copenhagen, Denmark. 	June 2013.
10. Third Conference on the Analysis of Mobile Phone Datasets an (NetMob 2013) MIT Media Lab, Cambridge, MA.	d Networks, May 2013.
11. Second Conference on the Analysis of Mobile Phone Datasets (NetMob 2011) MIT Media Lab, Cambridge, MA.	and Networks, October 2011.
 International Workshop on Finding Patterns of Human Behavio MObility Data, (NEMO, ECML/PKDD 2011). Athens, Greece. 	or in NEtwork and September 2011.
	 Science of Science and Networks, (Networks'21 satellite) USA. International Symposium on Science of Science, Library of Congress, Washington DC, USA. Quantifying Science, (CCS'15 satellite) Tempe, AZ, USA. DyNo 2015: 1st International Workshop on Dynamics in Network ASONAM, Paris, France. The 6th Workshop on Complex Networks (CompleNet), New York, NY. ImBig: CIKM 2014 Workshop on Interactive Mining for Big D Shanghai, China. Quantifying Success, (ECCS'13 satellite) Barcelona, Spain. Science of Success Symposium, Harvard University, Cambridge, MA. SocialD - A Conversation on Social Dynamics, (NetSci2013), Copenhagen, Denmark. Third Conference on the Analysis of Mobile Phone Datasets an (NetMob 2013) MIT Media Lab, Cambridge, MA. Second Conference on the Analysis of Mobile Phone Datasets an (NetMob 2011) MIT Media Lab, Cambridge, MA. International Workshop on Finding Patterns of Human Behavi MObility Data,

Reviewer

- *General Audience*: Nature, Science, Proceedings of the National Academy of Sciences (PNAS), Nature Communications, Science Advances, Journal of The Royal Society Interface, Scientific Reports, PLoS ONE
- *Management and Social Science*: Management Science, Nature Human Behaviour, New Media & Society, American Sociological Review
- *Physics&Mathematics*: Nature Physics, Physical Review Letters (PRL), Europhysics Letters (EPL), EPJ Data Science, European Physical Journal B (EPJB), Journal of Statistical Mechanics: Theory and Experiment (JSTAT), Chaos, Journal of Statistical Physics, Physica A, Frontiers of Physics, Chaos, Physics Today,

- Computer Science&Information Science: Nature Machine Intelligence, ACM Computing Surveys, Data Mining and Knowledge Discovery Journal (DAMI), Transactions on Knowledge Discovery from Data (TKDD), Transactions on Intelligent Systems and Technology (ACM TIST), Transactions on Knowledge and Data Engineering (TKDE), Transactions on Sensor Networks (TOSN), Journal of Informetrics, IEEE Transactions on Big Data, Digital Signal Processing, IBM Journal of Research and Development, Complex Adaptive Systems Modeling, Journal of the Association for Information Science and Technology (JASIST), Journal of Informetrics, Scientometrics.
- Book: MIT Press

Editorial Board

• Journal of the Association for Information Science and Technology (JASIST)

External Committee

• *National Academy of Sciences*, Committee on the Assessment of the SBIR and STTR Programs at NIH, 2020-2021

Program Committee Member

- KDD 2017
- WWW 2015, 2017, 2018
- NetSci 2015, 2017
- NetSciX 2018
- CompleNet 2016, 2017
- SocInfo 2016
- IC2S2 2014, 2015, 2016, 2018, 2019
- IEEE SCC 2014
- ASONAM 2014
- BigDataScience 2014

Grant Reviewer

- National Science Foundation (NSF)
- John Templeton Foundation
- Leverhulme Trust
- Irish Research Council

ADVISING & PhD Students

MENTORING

Binglu Wang (Management and Organizations, Northwestern University)
Yian Yin (Industrial Engineering & Management Sciences, Northwestern University)
Lu Liu (College of IST, Penn State University)
Qing Jin (Physics, Northeastern University)
Zhongyang He (Economics, Penn State University)
Pierre Deville (Applied Math, Universite catholique de Louvain, Belgium)

Postdoc or Research Assistant Professor

Nima Dehmamy (Northwestern University) Jian Gao (Northwestern University)

	 Suman Kalyan Maity (Northwestern University) Alexander Furnas (Northwestern University) Kariyushi Rao (Northwestern University) Diego Gómez-Zará (Northwestern University) Minsu Park (Northwestern University) First appointment: Assistant professor, NYU Woo Seong Jo (Northwestern University) First appointment: Samsung Economic Research Institute Yang Wang (Northwestern University) First appointment: Full professor, Xi'an Jiaotong University (China) Lingfei Wu (Joint with James Evans University of Chicago) First appointment: Assistant professor, iSchool, University of Pittsburgh
	Visiting scholar
	Jichao Li, Liqiang Huang, Zhiqiang Cai, Meijun Liu
	PhD Committee
	Yi Bu. Committee: Ying Ding (Chair), Yong-Yeol Ahn, Johan Bollen, Stasa Miloje- vic, Cassidy R. Sugimoto, Ludo Waltman, Dashun Wang. Yukun Chen. Committee: James Wang (Chair), Jia Li, Dashun Wang, Xinyu Xing. Ngot Bui. Committee: Vasant Honavar (Chair), Lee Giles, Ping Li, John Yen.
TEACHING	MBA Teaching
	 Social Dynamics and Network Analytics. Kellogg School of Management, Northwestern University. Highest rating: 5.8 out of 6. (Spring 2017, Summer 2017, Winter 2018, Spring 2019, Fall 2019, Fall 2020) Other IST402: Network Science. Penn State University. (Spring 2016) IST210: Organization of Data. Penn State University. (Spring 2015 & Fall 2015)
IN THE PRESS	List of selected media coverages
IN THE PRESS	 "Quantifying the dynamics of failure across science, startups and security" (<i>Nature</i>, 2019) was covered in some newspapers, magazines, and blogs.
	 Inc.: 5 Ways to Avoid Startup Failure by Increasing Your Team's Learning Speed MIT Technology Review: How the data mining of failure could teach us the secrets of success Fast Company: Why failing fast is critical if you want to eventually win Lab Manager: Failure Prognosis: Data Science Predicts Which Failures Will Ultimately Succeed China.org: Data science predicts which failure will ultimately succeed: study Scientific American: Failure Found to Be an "Essential Prerequisite" for Success Science Daily: Failure prognosis: Data science predicts which failures will ultimately succeed Phys.org: Failure prognosis: Data science predicts which failures will ultimately succeed Global Advisors: Why failing fast is critical if you want to eventually win Other coverages include News Ghana, ZAP, Sohu News

- "Early career setbacks and future career impact" (*Nature Communications*, 2019) was covered in some newspapers, magazines, and blogs.
 - The New York Times: How early-career setbacks can set you up for success
 - *Forbes*: Why failure leads to career success
 - *The Economist*: In science, grit counts as well as talent
 - Financial Times: The obstacles that speed and slow our path
 - *Bloomberg*: Career setbacks can help your performance but hurt your pay
 - *BBC News*: Why suffering setbacks could make you more successful
 - *Harvard Business Review*: Research: When Losing Out on a Big Opportunity Helps Your Career
 - Kellogg Insight: Early Career Failures Can Make You Stronger in the Long Run
 - *CNBC*: Failing early in your career can make you more successful in the future
 - *INC*.: When You Fail, It's Important That You Do This One Thing, According to Science
 - *Science Daily*: Science demonstrates that what doesn't kill you makes you stronger
 - UPI.com: For scientists, failure can pay dividends down the road
 - *New York Post*: Failure early in your career might actually be the best thing for you
 - Other coverages include Scitech Daily, Pressfrom, Breitbart News Network, Long Room, Interesting Engineering, PsychCentral, Lab Manager, Popmech, Psych Central, Space Daily, Futura-Sciences, Phys.org, Physicsworld, Medium US, Pourquoi Docteur, Superinteressante, Ladders
- "Emergence of Scaling in Complex Substitutive Systems" (*Nature Human Beha*viour, 2019) was covered in *The Wall Street Journal* and *Harvard Business Review*.
- "The evolution of citation graphs in artificial intelligence research" (*Nature Machine Intelligence*, 2019) was covered in *The Wall Street Journal* and *Kellogg Insights*.
- Our ongoing projects on failures have been covered in *Inc.*, and *MIT Technology Review*.
- "Large teams develop and small teams disrupt science and technology." (*Nature*, 2019) was covered in some newspapers, magazines, and blogs.
 - The New York Times: Can Big Science Be Too Big?
 - *Harvard Business Review*: Research: When Small Teams Are Better Than Big Ones
 - The Atlantic: Small Teams of Scientists Have Fresher Ideas
 - The Conversation: Want disruptive research? Go small instead of big
 - *Bloomberg*: Where Do Disruptive Ideas Happen? Not on a Big Team
 - *Inverse*: Innovation and Disruption Get Less Likely With a Bigger Team, Study Finds
 - Entrepreneur: Why Size Matters For a Working Team
 - Forbes: It Takes More Than Members To Make A Team
 - Other coverages include Yahoo News, The Japan Times, Money Science, Nature, Futurity, Valor Economico, Le Monde, La Vanguardia, FiveThirtyEight, Times Higher Education, ORF.at, Physics World, ERR.ee, The Scientist Magazine, MSN, Phys.org.

- "Hot Streaks in Artistic, Cultural, and Scientific Careers." (*Nature*, 2018) was covered in some newspapers, magazines, and blogs.
 - *The New York Times*: Feel Like You Haven't Hit Your Peak Yet? It's Never Too Late
 - The Wall Street Journal: The Science Behind Career Hot Streaks
 - Bloomberg: The 'Hot Streak' Is Real, But It's Not About Luck
 - Havard Business Review: When to Stick with Something—and When to Quit
 - *World Economic Forum*: There is such a thing as a career hot streak and it can happen any time
 - Business Insider: The science behind career 'hot streaks'
 - Wired: Science is trying to understand the secrets of creative hot streaks
 - *Today Show*: Worried you've missed out on a 'hot streak' in life? It may be just around the corner
 - *CNBC*: Researchers looked at career 'hot streaks' of 30,000 successful people—here's what they found
 - Quartz: There is such a thing as a career hot streak—and it can happen at anytime
 - *Daily Mail*: Winning streaks ARE real! Scientists discover we really do have random periods of repeated success throughout our working lives
 - The Times: Your purple patch of creativity can come at any time, researchers say
 - Nature: From artists to scientists, anyone can have a successful streak at any time
 - *Kellogg Insights*: When You're Hot, You're Hot: Career Successes Come in Clusters
 - *Inverse*: Creative 'Hot Streaks' Are No Coincidence, But They Come With Caveats
 - *EL PAIS*: Las rachas de ?xito no dependen de aumentar el esfuerzo, sino que llegan por azar
 - Other coverages include Discover Magazine, Nature Asia, Stuff.co.nz, Arkansas Online, the Money Science, The Japan Times, Pharmazeutische Zeitung, Herald Sun, Spiegel Online, My San Antonio, Madrid, Phys.org, Arstechnica, APA.
- Visualization based on our paper in *Science* wins Gold Prize at the 2017 Kantar Information Is Beautiful Awards.
- KelloggInsight Postcast featuring me and Duncan Watts: Why Ideas Go Viral
- Kellogg Alumni magazine featured our mobile phone work in PNAS.
- How Innovators Choose Their Next Career Move? KelloggInsight features our paper published in *Nature Human Behaviour*.
- "Quantifying the evolution of individual scientific impact." (*Science*, 2016) was covered in some newspapers, magazines, and blogs.
 - New York Times: When It Comes to Success, Age Really Is Just a Number
 - Forbes: We're Learning To Predict Who Will Have The Greatest Career Impact
 - Forbes: Study Shows Youth Isn't The Key To Making A Mark
 - Washington Post: Don't give up: Older people can have creative breakthroughs
 - The guardian: Are you too old to find success?
 - *Science*: Hey scientists, how much of your publication success is due to dumb luck?

- *Nature*: Is a scientific career predictable?
- *Wired*: See How the Most Influential Science Comes in Waves
- *The Huffington Post*: Are You A Late Bloomer? The Careers Of Eminent Scientists Offer Hope
- Scientific America: The Science of Success in Science.
- Other coverages include the Scientist, Kellogg Insight, Big Think, Inside Higher Ed, Flowing Data, The Australian, NY magazine, PhysOrg, ACS, Chemistry World, Northeastern News, CEU News, FastCoDesign, University World News, Yahoo News, Herald Tribune, University Herald, ORF Science, Spiegel Online, Il Corriere della Sera, Il Fatto Quotidiano, Internazionale, Panorama, Adnkronos, Padova News, Interesting Engineering, La Vanguardia, ABC.es, Semana, Sciencia.nl, El Digital de Asturias, AgenciaSinc, Improbable, 3 Quarks Daily, Librarius, Museum.
- "Quantifying Long-term Scientific Impact" (*Science* **342**, 6154, 2013) was covered in some newspapers, magazines, and blogs.
 - Formula predicts research papers' future citations. *Nature News (October 3rd, 2013)*.
 - Future Science Can predicting an article's success change science? *Science (October 4th, 2013).*
 - Which of these breakthroughs will still matter in 20 years? *The Boston Globe* (October 7th, 2013), Boston.com (October 4th, 2013).
 - Hot Stuff. *Nature Physics*.
 - Diagnose: Evaluitis. ORF.at (October 28th, 2013).
 - Researchers use science to predict success. Northeastern News (October 4th, 2013).
 - Measuring Academic Impact. CEU News.
 - Una ecuaci?n predice el impacto futuro de los art?culos cient?ficos. *SINC (October 3rd, 2013).*
 - Model predicts future citation rate for recently published journal articles. *Physics Today (October 4th, 2013).*
 - Paper 'fitness' predicts future citation rate *Physics World (November, 2013)*.
- "Career on the Move: Geography, Stratification, and Scientific Impact" (*Scientific Reports*, 4: 4770 (2014)) was featured on *The Economist* and *NEU iNSolution*.
- "Quantifying Information Flow During Emergencies" (*Scientific Reports*, 4: 3997 (2014)) was featured on *MIT Technology Review* and *edu.cn*.
- "Collective Response of Human Populations to Large-scale Emergencies" (*PLoS ONE* 6(3): e17680, 2011) was featured on *Northeastern News*.

COMPUTER	Python, MATLAB, Mathematica, R, C/C++, LATEX, BASH/shell scripting, ActionScript
SKILLS	3.0, HTML, PHP, SQL, Adobe Creative Suite 5.
	Mac OS X, Linux, and Windows Operating Systems.

OUTSIDE	N/A
ACTIVITIES	
References	Available upon request