# Bibliography
# FUSE Papers

*

May 15, 2017

## References

[1] Tatsioni A, Bonitsis NG, and Ioannidis JA. Persistence of contradicted claims in the literature. *JAMA: The Journal of the American Medical Association*, 298(21):2517–2526, 2007.

[2] Daniel E. Acuna, Stefano Allesina, and Konrad P. Kording. Future impact: Predicting scientific success. *Nature*, 489(7415):201–202, September 2012.

[3] Edoardo M. Airoldi, Elena A. Erosheva, Stephen E. Fienberg, Cyrille Joutard, Tanzy Love, and Suyash Shringarpure. Reconceptualizing the classification of pnas articles. *Proceedings of the National Academy of Sciences*, 107(49):20899–20904, 2010.

[4] S. Alonso, F. J. Cabrerizo, E. Herrera-Viedma, and F. Herrera. h-Index: A review focused in its variants, computation and standardization for different scientific fields. *Journal of Informetrics*, May 2009.

[5] D. R. Amancio, M. G. V. Nunes, O. N. Oliveira, Jr., and L. d. F. Costa. Good practices for a literature survey are not followed by authors while preparing scientific manuscripts. *ArXiv e-prints*, May 2010.

[6] D. R. Amancio, O. N. Oliveira, Jr., and L. d. F. Costa. Three-feature model to reproduce the topology of citation networks and the effects from authors' visibility on their h-index. *ArXiv e-prints*, February 2013.

[7] Samuel Arbesman and Nicholas A. Christakis. Eurekometrics: Analyzing the nature of discovery. *PLoS Comput Biol*, 7(6):e1002072, 06 2011.

[8] L. Barth, S. Kobourov, S. Pupyrev, and T. Ueckerdt. On Semantic Word Cloud Representation. *ArXiv e-prints*, April 2013.

[9] V. Batagelj and M. Cerinšek. On bibliographic networks. *ArXiv e-prints*, January 2013.

[10] C. Eigenfactor Bergstrom. Measuring the value and prestige of scholarly journals. *Coll Res Libr News*, 68(5):3146, 2007.

[11] C. T. Bergstrom, J. D. West, and M. A. Wiseman. The EigenfactorTM metrics. *Journal of Neuroscience*, 28(45):11433–11434, November 2008.

[12] Aggelos Bletsas and John N. Sahalos. Hirsch index rankings require scaling and higher moment. *J. Am. Soc. Inf. Sci. Technol.*, 60(12):2577–2586, December 2009.

[13] Katy Börner, Jeegar T. Maru, and Robert L. Goldstone. The simultaneous evolution of author and paper networks. *Proceedings of the National Academy of Sciences of the United States of America*, 101 Suppl 1(Suppl 1):5266–5273, April 2004.

[14] L. Bornmann and J. Bauer. Which of the world's institutions employ the most highly cited researchers? An analysis of the data from highlycited.com. *ArXiv e-prints*, July 2014.

[15] L. Bornmann and W. Marx. Standards for the application of bibliometrics in the evaluation of individual researchers working in the natural sciences. *ArXiv e-prints*, February 2013.

[16] L. Bornmann and R. Mutz. Growth rates of modern science: A bibliometric analysis based on the number of publications and cited references. *ArXiv e-prints*, February 2014.

[17] Tibor Braun, Wolfgang Glnzel, and Andrs Schubert. A hirsch-type index for journals. *Scientometrics*, 69(1):169173, 2006.

[18] B. Brembs and M. Munafò. Deep Impact: Unintended consequences of journal rank. *ArXiv e-prints*, January 2013.

[19] Tim Brody, Stevan Harnad, and Leslie Carr. Earlier web usage statistics as predictors of later citation impact. *Journal of the American Society for Information Science and Technology*, 57(8):1060–1072, June 2006.

[20] M. G. Campiteli, A. J. Holanda, L. D. H. Soares, P. R. C. Soles, and O. Kinouchi. Lobby index as a network centrality measure. *ArXiv e-prints*, April 2013.

[21] Carlos Castillo, Debora Donato, and Aristides Gionis. Estimating number of citations using author reputation. In *String processing and information retrieval*, page 107117, 2007.

[22] Wendy W. Chapman, David Chu, and John N. Dowling. Context: an algorithm for identifying contextual features from clinical text. In *Proceedings of the Workshop on BioNLP 2007: Biological, Translational, and Clinical Language Processing*, BioNLP '07, pages 81–88, Stroudsburg, PA, USA, 2007. Association for Computational Linguistics.

[23] Chaomei Chen. Predictive effects of structural variation on citation counts. *Journal of the American Society for Information Science and Technology*, 63(3):431–449, March 2012.

[24] S. Cordier. A measure of similarity between scientific journals and of diversity of a list of publications. *ArXiv e-prints*, October 2012.

[25] G. Cormode, Q. Ma, S. Muthukrishnan, and B. Thompson. Socializing the h-index. *ArXiv e-prints*, November 2012.

[26] Graham Cormode, S. Muthukrishnan, and Jinyun Yun. Scienceography: the study of how science is written. *CoRR*, abs/1202.2638, 2012.

[27] Derek J. de Solla Price. Citation measures of hard science, soft science, technology, and nonscience. In Carnot E. Nelson and Donald K. Pollock, editors, *Communication among scientists and engineers*, pages 3–22. Heath Lexington Book, Lexington, 1970.

[28] Leila Dehghani, Reza Basirian Jahromi, and Mazyar Ganjoo. Citations to highly-cited researchers by their co-authors and their self-citations: How these factors affect highly-cited researchers' h-index in scopus. *Webology*, 8(2), 2011.

[29] Karl W. Deutsch, John Platt, and Dieter Senghaas. Conditions favoring major advances in social science. *Science*, 171(3970):450–459, 1971.

[30] Laura Dietz, Steffen Bickel, and Tobias Scheffer. Unsupervised prediction of citation influences. In *Proceedings of the 24th international conference on Machine learning*, ICML '07, pages 233–240, New York, NY, USA, 2007. ACM.

[31] Ying Ding, Erjia Yan, Arthur Frazho, and James Caverlee. PageRank for ranking authors in co-citation networks. *Journal of the American Society for Information Science and Technology*, 60(11):2229–2243, November 2009.

[32] S. Doboli, F. Zhao, and A. Doboli. New measures for evaluating creativity in scientific publications. *ArXiv e-prints*, June 2014.

[33] Y. Dong, R. A. Johnson, and N. V. Chawla. Will This Paper Increase Your h-index? Scientific Impact Prediction. *ArXiv e-prints*, December 2014.

[34] Cody Dunne, Ben Shneiderman, Robert Gove, Judith Klavans, and Bonnie Dorr. Rapid understanding of scientific paper collections: Integrating statistics, text analytics, and visualization. *J. Am. Soc. Inf. Sci. Technol.*, 63(12):2351–2369, December 2012.

[35] Leo Egghe. Theory and practise of the g-index. *Scientometrics*, 69(1):131152, 2006.

[36] P. Érdi, K. Makovi, Z. Somogyvári, K. Strandburg, J. Tobochnik, P. Volf, and L. Zalányi. Prediction of Emerging Technologies Based on Analysis of the U.S. Patent Citation Network. *ArXiv e-prints*, June 2012.

[37] Elena Erosheva, Stephen Fienberg, and John Lafferty. Mixed-membership models of scientific publications. *Proceedings of the National Academy of Sciences of the United States of America*, 101(Suppl 1):5220–5227, 2004.

[38] Gunther Eysenbach. Can tweets predict citations? metrics of social impact based on twitter and correlation with traditional metrics of scientific impact. *Journal of Medical Internet Research*, 13(4), 2011.

[39] E. Ferrara and A. E. Romero. Scientific impact evaluation and the effect of self-citations: mitigating the bias by discounting h-index. *ArXiv e-prints*, February 2012.

[40] D. Fried and S. G. Kobourov. Maps of Computer Science. *ArXiv e-prints*, April 2013.

[41] Raoul Frijters, Marianne van Vugt, Ruben Smeets, Ren van Schaik, Jacob de Vlieg, and Wynand Alkema. Literature mining for the discovery of hidden connections between drugs, genes and diseases. *PLoS Comput Biol*, 6(9):e1000943, 09 2010.

[42] Lawrence D. Fu and Constantin Aliferis. Models for predicting and explaining citation count of biomedical articles. In *AMIA Annual Symposium Proceedings*, volume 2008, page 222, 2008.

[43] T. Z. J. Fu, Q. Song, and D. M. Chiu. The Academic Social Network. *ArXiv e-prints*, June 2013.

[44] Ko Fujimura and Naoto Tanimoto. The eigenrumor algorithm for calculating contributions in cyberspace communities. In *Trusting Agents for Trusting Electronic Societies*, page 5974. Springer, 2005.

[45] Satoshi Fukuda, Hidetsugu Nanba, and Toshiyuki Takezawa. Extraction and visualization of technical trend information from research papers and patents. *D-Lib Magazine*, 18(7/8), 2012.

[46] E. Garfield. Citation indexes for science. a new dimension in documentation through association of ideas. *International Journal of Epidemiology*, 35(5):1123–1127, October 2006.

[47] Eugene Garfield. The history and meaning of the journal impact factor. *JAMA: the journal of the American Medical Association*, 295(1):9093, 2006.

[48] Pierrick Gaudry. Secure H-numbers. *J. Craptology 3*, 2006.

[49] Sean M. Gerrish and David M. Blei. A language-based approach to measuring scholarly impact, 2010.

[50] C. Lee Giles and Isaac G. Councill. Who gets acknowledged: Measuring scientific contributions through automatic acknowledgment indexing. *Proceedings of the National Academy of Sciences of the United States of America*, 101(51):17599–17604, 2004.

[51] Jonathan Gordon, Linhong Zhu, Aram Galstyan, Prem Natarajan, and Gully Burns. Modeling concept dependencies in a scientific corpus. In *To be appeared in the annual meeting of the Association for Computational Linguistics (ACL)*, 2016.

[52] Sonal Gupta and Christopher D. Manning. Analyzing the dynamics of research by extracting key aspects of scientific papers. In *IJCNLP*, pages 1–9, 2011.

[53] David Hall, Daniel Jurafsky, and Christopher D. Manning. Studying the history of ideas using topic models. In *Proceedings of the conference on empirical methods in natural language processing*, page 363371, 2008.

[54] F. Havemann, M. Heinz, J. Gläser, and A. Struck. Estimating Thematic Similarity of Scholarly Papers with Their Resistance Distance in an Electric Network Model. *ArXiv e-prints*, March 2013.

[55] F. Havemann and B. Larsen. Bibliometric Indicators of Young Authors in Astrophysics: Can Later Stars be Predicted? *ArXiv e-prints*, April 2014.

[56] Qi He, Daniel Kifer, Jian Pei, Prasenjit Mitra, and C. Lee Giles. Citation recommendation without author supervision. In *Proceedings of the fourth ACM international conference on Web search and data mining*, WSDM '11, pages 755–764, New York, NY, USA, 2011. ACM.

[57] Qi He, Jian Pei, Daniel Kifer, Prasenjit Mitra, and Lee Giles. Context-aware citation recommendation. In *Proceedings of the 19th international conference on World wide web*, WWW '10, pages 421–430, New York, NY, USA, 2010. ACM.

[58] Mark O Hill. Diversity and evenness: a unifying notation and its consequences. *Ecology*, 54(2):427–432, 1973.

[59] J. E. Hirsch. An index to quantify an individual's scientific research output that takes into account the effect of multiple coauthorship. *Scientometrics*, 85(3):741–754, December 2010.

[60] J. E. Hirsch. An index to quantify an individuals scientific research output that takes into account the effect of multiple coauthorship. *Scientometrics*, 85(3):741–754, March 2010.

[61] Jorge E Hirsch. An index to quantify an individual's scientific research output. *Proceedings of the National academy of Sciences of the United States of America*, 102(46):16569, 2005.

[62] Jorge E. Hirsch. Does the h index have predictive power? *Proceedings of the National Academy of Sciences*, 104(49):1919319198, 2007.

[63] Wenyi Huang, Saurabh Kataria, Cornelia Caragea, Prasenjit Mitra, C. Lee Giles, and Lior Rokach. Recommending citations: translating papers into references. In *21st ACM International Conference on Information and Knowledge Management, CIKM'12, Maui, HI, USA, October 29 - November 02, 2012*, pages 1910–1914, 2012.

[64] John P. A. Ioannidis. Why most published research findings are false. *PLoS Med*, 2(8):e124, 08 2005.

[65] Ioannidis JA. Contradicted and initially stronger effects in highly cited clinical research. *JAMA: The Journal of the American Medical Association*, 294(2):218–228, 2005.

[66] David Jurgens, Srijan Kumar, Raine Hoover, Dan McFarland, and Dan Jurafsky. Citation classification for behavioral analysis of a scientific field. *arXiv preprint arXiv:1609.00435*, 2016.

[67] D. Kelk and D. Devine. A Scienceographic Comparison of Physics Papers from the arXiv and viXra Archives. *ArXiv e-prints*, November 2012.

[68] D. F. Klosik and S. Bornholdt. The citation wake of publications detects Nobel laureates' papers. *ArXiv e-prints*, January 2013.

[69] D. F. Klosik, S. Bornholdt, and M.-T. Hütt. Motif-based success scores in coauthorship networks are highly sensitive to author name disambiguation. *Physical Review*, 90(3), September 2014.

[70] O. Küçüktunç, E. Saule, K. Kaya, and Ü. V. Çatalyürek. Diversifying Citation Recommendations. *ArXiv e-prints*, September 2012.

[71] Michael Kuhn, Mnica Campillos, Paula Gonzlez, Lars Juhl Jensen, and Peer Bork. Large-scale prediction of drug target relationships. *FEBS Letters*, 582(8):1283 – 1290, 2008.

[72] T. Kuhn, M. Perc, and D. Helbing. Inheritance Patterns in Citation Networks Reveal Scientific Memes. *Physical Review X*, 4(4):041036, October 2014.

[73] Michael J. Kurtz and Edwin A. Henneken. Finding and recommending scholarly articles. *CoRR*, abs/1209.1318, 2012.

[74] Harvey C. Lehman. The exponential increase of man's cultural output. *Social Forces*, 25(3):pp. 281–290, 1947.

[75] David Liben-Nowell and Jon Kleinberg. Tracing information flow on a global scale using internet chain-letter data. *Proceedings of the National Academy of Sciences*, 105(12):4633–4638, 2008.

[76] Hanxiao Liu, Wanli Ma, Yiming Yang, and Jaime Carbonell. Learning concept graphs from online educational data. *Journal of Artificial Intelligence Research*, 55:1059–1090, 2016.

[77] Avishay Livne, Eytan Adar, Jaime Teevan, and Susan Dumais. Predicting citation counts using text and graph mining. In *iConference 2013 Proceedings*, 2013.

[78] J. N. Manjunatha, K. R. Sivaramakrishnan, Raghavendra Kumar Pandey, and M. Narasimha Murthy. Citation prediction using time series approach kdd cup 2003 (task 1). *ACM SIGKDD Explorations Newsletter*, 5(2):152153, 2003.

[79] T. Martin, B. Ball, B. Karrer, and M. E. J. Newman. Coauthorship and citation in scientific publishing. *ArXiv e-prints*, April 2013.

[80] Filippo Menczer. Growing and navigating the small world web by local content. *Proceedings of the National Academy of Sciences*, 99(22):14014–14019, 2002.

[81] N. Midorikawa. Citation analysis of physics journals: Comparison of subfields of physics. *Scientometrics*, 5:361–374, 1983.

[82] David Mimno and Andrew McCallum. Mining a digital library for influential authors. In *Proceedings of the 7th ACM/IEEE-CS joint conference on Digital libraries*, JCDL '07, pages 105–106, New York, NY, USA, 2007. ACM.

[83] N. Mirabal and J.L. Contreras. A dispersion-driven method for grant and proposal allocation. 2012.

[84] Ramal Moonesinghe, Muin J Khoury, and A. Cecile J. W Janssens. Most published research findings are falsebut a little replication goes a long way. *PLoS Med*, 4(2):e28, 02 2007.

[85] O. Mryglod, R. Kenna, Y. Holovatch, and B. Berche. Absolute and specific measures of research group excellence. *ArXiv e-prints*, October 2012.

[86] Mark EJ Newman. The first-mover advantage in scientific publication. *EPL (Europhysics Letters)*, 86(6):68001, 2009.

[87] MEJ Newman. Prediction of highly cited papers. *EPL (Europhysics Letters)*, 105(2):28002, 2014.

[88] Jukka-Pekka Onnela, Samuel Arbesman, Marta C. Gonzlez, Albert-Lszl Barabsi, and Nicholas A. Christakis. Geographic constraints on social network groups. *PLoS ONE*, 6(4):e16939, 04 2011.

[89] Raj Kumar Pan, Kimmo Kaski, and Santo Fortunato. World citation and collaboration networks: uncovering the role of geography in science. Technical Report arXiv:1209.0781, Sep 2012. Comments: 8 pages, 5 figures + Appendix, The world citation and collaboration networks at both city and country level are available at http://becs.aalto.fi/rajkp/datasets.html.

[90] O. Penner, R. K. Pan, A. M. Petersen, and S. Fortunato. The case for caution in predicting scientists' future impact. *ArXiv e-prints*, April 2013.

[91] Alberto Pepe and Michael J. Kurtz. A measure of total research impact independent of time and discipline. 2012.

[92] A. M. Petersen, S. Fortunato, R. K. Pan, K. Kaski, O. Penner, M. Riccaboni, H. E. Stanley, and F. Pammolli. Reputation and Impact in Academic Careers. *ArXiv e-prints*, March 2013.

[93] A. M. Petersen and O. Penner. Inequality and cumulative advantage in science careers: a case study of high-impact journals. *ArXiv e-prints*, November 2014.

[94] George J. Peterson, Steve Press, and Ken A. Dill. Nonuniversal power law scaling in the probability distribution of scientific citations. *Proceedings of the National Academy of Sciences*, 107(37):16023–16027, 2010.

[95] M.G. Pia, T. Basaglia, Z.W. Bell, and P.V. Dressendorfer. Publication patterns in HEP computing. *ArXiv e-prints*, September 2012.

[96] Alan L. Porter and Ismael Rafols. Is science becoming more interdisciplinary? measuring and mapping six research fields over time. *Scientometrics*, 81(3):719–745, April 2009.

[97] Vinodkumar Prabhakaran, William L Hamilton, Dan McFarland, and Dan Jurafsky. Predicting the rise and fall of scientific topics from trends in their rhetorical framing.

[98] Vinodkumar Prabhakaran, William L. Hamilton, Dan McFarland, and Dan Jurafsky. Predicting the rise and fall of scientific topics from trends in their rhetorical framing. In *Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 1170–1180, Berlin, Germany, August 2016. Association for Computational Linguistics.

[99] Vinodkumar Prabhakaran, William L Hamilton, Dan McFarland, and Dan Jurafsky. Predicting the rise and fall of scientific topics from trends in their rhetorical framing. In *Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics (ACL)*, 2016.

[100] Derek J. Price. *Little Science, Big Science...and Beyond*. Columbia University, New York, 1963.

[101] Derek J. de Solla Price. Quantitative Measures of the Development of Science. *Archives Internationales d'Historie des Sciences*, 1951.

[102] Yanan Qian, Qinghua Zheng, Junting Ye, Tetsuya Sakai, and Jun Liu. Dynamic author name disambiguation for growing digital libraries. NA.

[103] F. Radicchi. In science "there is no bad publicity": Papers criticized in comments have high scientific impact. *ArXiv e-prints*, September 2012.

[104] F. Radicchi and C. Castellano. Analysis of bibliometric indicators for individual scholars in a large data set. *ArXiv e-prints*, April 2013.

[105] Ismael Rafols and Martin Meyer. Diversity and network coherence as indicators of interdisciplinarity: case studies in bionanoscience. *Scientometrics*, 82(2):263–287, June 2009.

[106] C. R. Rao. Quadratic entropy and analysis of diversity. *Sankhya A*, 72(1):7080, 2010.

[107] A. Razmjou. Correlation of Scholarly Networks and Social Networks. *ArXiv e-prints*, November 2014.

[108] S. Redner. Citation Statistics From More Than a Century of Physical Review. *ArXiv Physics e-prints*, July 2004.

[109] M. A. Rodriguez. A Multi-Relational Network to Support the Scholarly Communication Process. *eprint arXiv:cs/0601121*, January 2006.

[110] E. Sarigöl, R. Pfitzner, I. Scholtes, A. Garas, and F. Schweitzer. Predicting Scientific Success Based on Coauthorship Networks. *ArXiv e-prints*, February 2014.

[111] M. Schreiber. How relevant is the predictive power of the h-index? A case study of the time-dependent Hirsch index. *ArXiv e-prints*, January 2013.

[112] M. Schreiber. Inconsistencies of the Highly-Cited-Publications Indicator. *ArXiv e-prints*, February 2013.

[113] C. Schulz, A. Mazloumian, A. M Petersen, O. Penner, and D. Helbing. Exploiting citation networks for large-scale author name disambiguation. *ArXiv e-prints*, January 2014.

[114] F. G. Serpa, Adam M. Graves, and Artjay Javier. Statistical common author networks (scan). *CoRR*, abs/1208.3101, 2012.

[115] H.-W. Shen and A.-L. Barabasi. Collective credit allocation in science. *Proceedings of the National Academy of Science*, 111:12325–12330, August 2014.

[116] Xiaolin Shi, Jure Leskovec, and Daniel A. McFarland. Citing for high impact. In *Proceedings of the 10th annual joint conference on Digital libraries*, page 4958, 2010.

[117] A. Sidiropoulos, D. Katsaros, and Y. Manolopoulos. Identification of Influential Scientists vs. Mass Producers by the Perfectionism Index. *ArXiv e-prints*, September 2014.

[118] Filipi N Silva, Diego R Amancio, Maria Bardosova, Luciano da F Costa, and Osvaldo N Oliveira. Using network science and text analytics to produce surveys in a scientific topic. *Journal of Informetrics*, 10(2):487–502, 2016.

[119] M. V. Simkin and V. P. Roychowdhury. A Mathematical Theory of Fame. *Journal of Statistical Physics*, page 4, January 2013.

[120] Andy Stirling. A general framework for analysing diversity in science, technology and society. *Journal of The Royal Society Interface*, 4(15):707–719, August 2007.

[121] X. Sun, J. Kaur, S. Milojević, A. Flammini, and F. Menczer. Social Dynamics of Science. *ArXiv e-prints*, September 2012.

[122] Don Swanson and Neil Smalheiserf. Undiscovered Public Knowledge: a Ten-Year Update. *KDD-96 Proceedings.*, 1996.

[123] Don R. Swanson. Undiscovered public knowledge. *The Library Quarterly*, 56(2):pp. 103–118, 1986.

[124] DR Swanson. Medical literature as a potential source of new knowledge. *Bull Med Libr Assoc*, 78(1):29–37, 1990.

[125] A. Szanto-Varnagy, P. Pollner, T. Vicsek, and I. J. Farkas. Scientometrics: Untangling the topics. *ArXiv e-prints*, March 2014.

[126] R. Tang. "citation characteristics and intellectual acceptance of scholarly monographs". *College and Research Libraries*, 69:356–369, 2008.

[127] Mike Thelwall, Stefanie Haustein, Vincent Larivire, and Cassidy R. Sugimoto. Do altmetrics work? twitter and ten other social web services. *PLoS ONE*, 8(5):e64841, May 2013.

[128] Petronio Generoso Thomaz, Renato Samy Assad, and Luiz Felipe P Moreira. Using the impact factor and h index to assess researchers and publications. *Arq Bras Cardiol*, 96(2):90–93, 2011.

[129] D Thorleuchter and D Van den Poel. Identification of interdisciplinary ideas. *Information Processing & Management*, 2016.

[130] Erjen Van Nierop. Why do statistics journals have low impact factors? *Statistica Neerlandica*, 63(1):52–62, 2009.

[131] J.M. van Zyl and S. van der Merwe. An empirical study to order citation statistics between subject fields. *ArXiv e-prints*, October 2012.

[132] M. P. Viana, D. R. Amancio, and L. d. F. Costa. On time-varying collaboration networks. *ArXiv e-prints*, February 2013.

[133] Jacques Wainer, Michael Eckmann, Siome Goldenstein, and Anderson Rocha. How productivity and impact differ across computer science subareas. *Commun. ACM*, 56(8):67–73, August 2013.

[134] Jacques Wainer, Siome Goldenstein, and Cleo Billa. Invisible work in standard bibliometric evaluation of computer science. *Commun. ACM*, 54(5):141–146, May 2011.

[135] L. Waltman, N. J. van Eck, and P. Wouters. Counting publications and citations: Is more always better? *ArXiv e-prints*, January 2013.

[136] Ludo Waltman and Nees Jan Eck. A new methodology for constructing a publication-level classification system of science. *Journal of the American Society for Information Science and Technology*, 63(12):2378–2392, 2012.

[137] Dashun Wang, Chaoming Song, and Albert-László Barabási. Quantifying Long-Term Scientific Impact. *Science*, 342(6154):127–132, October 2013.

[138] S. Wang, S. Xie, X. Zhang, Z. Li, P. S. Yu, and X. Shu. Future Influence Ranking of Scientific Literature. *ArXiv e-prints*, July 2014.

[139] T. Wei, M. Li, C. Wu, X. Yan, Y. Fan, Z. Di, and J. Wu. Do scientists trace hot topics? *ArXiv e-prints*, March 2013.

[140] J.D. West, J. Jacquet, M.M. King, S.J. Correll, and C.T. Bergstrom. The role of gender in scholarly authorship. *ArXiv e-prints*, November 2012.

[141] Howard D. White. Citation analysis and discourse analysis revisited. *Applied Linguistics*, 25(1):89–116, 2004.

[142] R. Winiarczyk, P. Gawron, J. A. Miszczak, Ł. Pawela, and Z. Puchała. Analysis of patent activity in the field of quantum information processing. *ArXiv e-prints*, December 2012.

[143] Rui Yan, Congrui Huang, Jie Tang, Yan Zhang, and Xiaoming Li. To better stand on the shoulder of giants. In *Proceedings of the 12th ACM/IEEE-CS joint conference on Digital Libraries*, JCDL '12, pages 51–60, New York, NY, USA, 2012. ACM.

[144] Rui Yan, Jie Tang, Xiaobing Liu, Dongdong Shan, and Xiaoming Li. Citation count prediction: Learning to estimate future citations for literature. In *Proceedings of the 20th ACM international conference on Information and knowledge management*, page 12471252, 2011.

[145] Dani Yogatama, Michael Heilman, Brendan O'Connor, Chris Dyer, Bryan R. Routledge, and Noah A. Smith. Predicting a scientific community's response to an article. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, EMNLP '11, pages 594–604, Stroudsburg, PA, USA, 2011. Association for Computational Linguistics.

[146] Dani Yogatama, Michael Heilman, Brendan O'Connor, Chris Dyer, Bryan R Routledge, and Noah A Smith. Predicting a scientific community's response to an article. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, pages 594–604. Association for Computational Linguistics, 2011.

[147] J. Yun, P.-J. Kim, and H. Jeong. Anatomy of Scientific Evolution. *ArXiv e-prints*, May 2014.

[148] Chun-Ting Zhang. The e-index, complementing the h-index for excess citations. *PLoS ONE*, 4(5):e5429, May 2009.

[149] Chun-Ting Zhang. The e-Index, Complementing the h-Index for Excess Citations. *PLoS ONE*, 4(5):e5429+, May 2009.

[150] Chun-Ting Zhang. The h-index, effectively improving the h-index based on the citation distribution. *PloS one*, 8(4):e59912, 2013.

[151] G. Zhang, Y. Ding, and S. Milojević. Citation content analysis (cca): A framework for syntactic and semantic analysis of citation content. *ArXiv e-prints*, November 2012.

[152] Han Zhang, Marcelo Fiszman, Dongwook Shin, Bartomiej Wilkowski, and Thomas Rindflesch. Clustering cliques for graph-based summarization of the biomedical research literature. *BMC Bioinformatics*, 14(1):182, 2013.

[153] Xiaodan Zhu, Peter Turney, Daniel Lemire, and Andr Vellino. Measuring academic influence: Not all citations are equal. *Journal of the Association for Information Science and Technology*, 66(2):408–427, 2015.

[154] M. Zitt and J.-P. Cointet. Citation impacts revisited: how novel impact measures reflect interdisciplinarity and structural change at the local and global level. *ArXiv e-prints*, February 2013.

[155] Harriet Zuckerman. Nobel laureates in science: Patterns of productivity, collaboration, and authorship. *American Sociological Review*, 32(3):pp. 391–403, 1967.