

# Kai Li

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## RESEARCH INTERESTS

- Scientific writing practice to report research methods and software in research articles
- Scientific impact of research method and software entities
- New scientific genres to publish scientific datasets and software objects

## EDUCATION

- 2015-                      *PhD, Information Studies*; College of Computing and Informatics, Drexel University, Philadelphia PA
- 2012-2013              *Master of Science, Library and Information Science*; School of Information Studies, Syracuse University, Syracuse NY
- 2003-2007              *BA, History*; School of History, Beijing Normal University, Beijing, China

## RESEARCH EXPERIENCE

- 2015-                      *Graduate Research Assistant*; Drexel University
- 2012-2014              *Research Assistant*; Syracuse University

## PUBLICATIONS AND PAPERS

### Refereed Journal Papers

- Yan, E., Chen, Z., & **Li, K.** (In press). Authors' status and the perceived quality of their work: measuring citation sentiment change in Nobel papers. *Journal of the Association for Information Science and Technology*.
- **Li, K.**, Greenberg, J., & Dunic, J. (In press). Data objects and documenting scientific processes: An analysis of data events in biodiversity data papers. *Journal of the Association for Information Science and Technology*.
- **Li, K.**, Chen, P.-Y., & Yan, E. (2019). Challenges of measuring software impact through citations: An examination of the lme4 R package. *Journal of Informetrics*, 13(1), 449–461. <https://doi.org/10.1016/j.joi.2019.02.007>
- **Li, K.**, & Yan, E. (2019). Are NIH-funded publications fulfilling the proposed research? An examination of concept-matchedness between NIH research grants and their supported publications. *Journal of Informetrics*, 13(1), 226–237. <https://doi.org/10.1016/j.joi.2019.01.001>
- Li, Y., Wu, C., Yan, E., & **Li, K.** (2018). Will open access increase journal CiteScores? An empirical investigation over multiple disciplines. *PLOS ONE*, 13(8), e0201885. <https://doi.org/10.1371/journal.pone.0201885>
- Yan, E., & **Li, K.** (2018). Which domains do open-access journals do best in? A 5-year longitudinal study. *Journal of the Association for Information Science and Technology*, 69(6), 844–856. <https://doi.org/10.1002/asi.24002>
- **Li, K.**, Rollins, J., & Yan, E. (2018). Web of Science use in published research and review papers 1997–2017: a selective, dynamic, cross-domain, content-based analysis. *Scientometrics*, 115(1), 1–20. <https://doi.org/10.1007/s11192-017-2622-5>

- Zhao, M., Yan, E., & **Li, K.** (2018). Data set mentions and citations: A content analysis of full-text publications. *Journal of the Association for Information Science and Technology*, 69(1), 32–46. <https://doi.org/10.1002/asi.23919>
- **Li, K.** & Yan, E. (2018). Co-mention network of R packages: Scientific impact and clustering structure. *Journal of Informetrics*, 12(1), 87–100. <https://doi.org/10.1016/j.joi.2017.12.001>
- **Li, K.**, Yan, E., & Feng, Y. (2017). How is R cited in research outputs? Structure, impacts, and citation standard. *Journal of Informetrics*, 11(4), 989–1002. <https://doi.org/10.1016/j.joi.2017.08.003>

## Refereed Conference Papers

- Pascua, S., **Li, K.**, & Greenberg, J. (2019). Toward A Metadata Activity Matrix: Conceptualizing and Grounding the Research Life-cycle and Metadata Connections. In *Proceedings of the International Conference on Dublin Core and Metadata Applications*.
- **Li, K.**, & Yan, E. (2019). Using a keyword extraction pipeline to understand concepts in future work sections of research papers. In 17th International Conference on Scientometrics and Informetrics.
- Guerra, J., Wei, Q., **Kai, L.**, Ahumada, L., Winston, F., & Desai, B. R. (2018). Scosy: A Biomedical Collaboration Recommendation System. Presented at the 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC), Honolulu, HI, USA.
- Feng, Y., **Li, K.**, & Agosto, D.E. (2017). Healthy users' personal health information management from activity trackers: The perspective of gym-goers. In *Proceedings of the Annual Meeting of Association for Information Science & Technology* (54: pp. 71-81). [doi:10.1002/pra2.2017.14505401009](https://doi.org/10.1002/pra2.2017.14505401009)
- **Li, K.**, Greenberg, J., & Lin, X. (2016). Software Citation, Reuse and Metadata Considerations: An Exploratory Study Examining LAMMPS. In *Proceedings of the Annual Meeting of the Association for Information Science and Technology* (53: pp. 1-10). [doi:10.1002/pra2.2016.14505301072](https://doi.org/10.1002/pra2.2016.14505301072)
- Qin, J., & **Li, K.** (2013). How portable are the metadata standards for scientific data? a proposal for a metadata infrastructure. In *Proceedings of the International Conference on Dublin Core and Metadata Applications* (pp. 25–34). [Link](#)

## Posters

- **Li, K.**, Chen, P.-Y., Fang, Z. (2019). Disciplinarity of Software Papers: A Preliminary Analysis. In *Proceedings of the Annual Meeting of Association for Information Science & Technology* (56).
- **Li, K.**, & Chen, P.-Y. (2019). A preliminary scientometric analysis of the Cross-Strait scientific collaboration. In 17th International Conference on Scientometrics and Informetrics.
- He, J. & **Li, K.** (2019). How comprehensive is the PubMed Central Open Access full-text database?. Presented at iConference 2019 Annual Meeting, Washington, DC, USA.
- **Li, K.** & Chen, PY. (2018). The narrative structure as a citation context in data papers: A preliminary analysis of *Scientific Data*. In *Proceedings of the Annual Meeting of Association for Information Science & Technology* (55).
- **Li, K.** & Xu, S. (2017). Measuring the impact of R packages. In *Proceedings of the Annual Meeting of Association for Information Science & Technology* (54: pp. 739-741). [doi:10.1002/pra2.2017.14505401138](https://doi.org/10.1002/pra2.2017.14505401138)
- **Li, K.** (2017). *A metadata scheme of the software-data relationship: A proposal*. Presented in Research Data Alliance 9th Plenary Meeting, Barcelona, Spain, April 5-8, 2017.
- **Li, K.**, Ahumada, L., & Desai, B. (2017). *SchoRSys: a scholar recommendation system based on content-based filtering technique and PubMed metadata records*. Presented in Drexel University 9th Annual Research Symposium, Philadelphia, Pennsylvania, March 3, 2017.
- **Li, K.** (2016). *How much can data citation standards be used for scientific software? A crosswalk analysis of data citation standards for software citation needs*. Presented in Research Data Alliance 8th Plenary Meeting, Denver, Colorado, September 14-17, 2016.

## Book Reviews

- **Li, K.** (2019). A review of *The Politics of Mass Digitization*. *Education for Information*, 35, 361–363. <https://doi.org/10.3233/EFI-199011>

## Non-Refereed Conference Presentations

- Li, K. (2012, June 24). *RDA in China*. ALA Annual Conference 2012, Anaheim, California. [Link](#)

## TEACHING EXPERIENCE

### Instructor:

- Information Visualization (INFO250), Summer, 2019, Drexel University

### Teaching Assistant:

- Introduction to Data Analytics (INFO659), Fall, 2019, Drexel University
- Information Visualization (INFO250), Winter 2018, Drexel University
- Resources for Children (INFO683), Summer 2018, Drexel University
- Introduction to Computing and Informatics (CI101), Fall 2015, Drexel University

## GRANTS AND GIFTS

2019	<i>International Conference on Scientometrics &amp; Informetrics Student Travel Award</i> , The International Society for Informetrics and Scientometrics (Awarded \$1,500 for travel support)
2019	<i>LIS Education and Data Science for the National Digital Platform (LEADS-4-NDP) Fellowship</i> ; Drexel University (Awarded \$5,000 plus travel support)
2016-2017	<i>RDA/US Data Share Fellowship</i> ; Research Data Alliance (Awarded \$10,000 plus travel support)

## PROFESSIONAL EXPERIENCE

2016-2017      *Research Internship*; The Children's Hospital of Philadelphia

- Developed scholar recommendation system based on MeSH subject terms, text-mining techniques, and social network
- Designed and implement a Natural Language Processing system to analyze full-text clinician notes

2014-2015      *Cataloger*; Ingram Content Group

- Performed original and copy cataloging, subject analysis, and shelflist based on national and local cataloging standards
- Proofread cataloging records made by other catalogers, and trained new catalogers

2007-2012      *Cataloging Librarian*; Capital Library of China, Beijing, China

- Performed original and copy cataloging and subject analysis using national and local standards

## EDITORIAL SERVICE

### Reviewer:

- *Journal of the Association for Information Science and Technology*
  - *Journal of Informetrics*
  - *Scientometrics*
  - *Library Hi Tech*
  - *iConference* (2019)
  - *AMIA Annual Symposium* (2017-)

# MEMBERSHIPS

## Professional Associations:

- Association for Information Science and Technology (ASIS&T)