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Yi Bu

性别：男

职称：助理教授

所在部门：情报学教研室

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个人主页：https://buyi08.wixsite.com/yi-bu



研究方向

信息计量学(Informetrics)、复杂网络(Complex Networks)
科研评价(Research Evaluation)、科学学 (Science of Science)
知识发现(Knowledge Discovery)、大数据应用(Big Data Applications)

教育背景

2012-2016,管理学学士(Bachelor of Management), 信息管理与信息系统专业(Major in Information Management and System), 北京大学信息管理系(Department of Information Management, Peking University)

2016-2018,理学硕士 (Master of Science), 数据科学专业(Major in Data Science), 美国印第安纳大学信息学、计算机与工程学院 (Luddy School of Informatics, Computing, and Engineering, Indiana University, U.S.A.)

2016-2020, 哲学博士(Ph.D.), 信息学专业(Major in Informatics), 美国印第安纳大学信息学、计算机与工程学院 (Luddy School of Informatics, Computing, and Engineering, Indiana University, U.S.A.) [博士答辩委员会成员(Ph.D. Research Committee): Dr. Ying Ding (导师), Dr. Yoel-Yong Ahn, Dr. Johan Bollen, Dr. StasaMilojevic, Dr. Cassidy R. Sugimoto, Dr. Ludo Waltman, Dr. Dashun Wang]

工作经历

2020.7-,北京大学信息管理系, 助理教授、研究员(Assistant Professor at the Department of Information Management, Peking University)

2019.1-2020.6, ResearchFellow, Center for Science and Science and Innovation (CSSI), Northwestern Institute of Complex Systems (NICO), Kellogg School of Management, Northwestern University, U.S.A.[supervised by Dr. Dashun Wang at Northwestern University]

2019.8-2020.5, In-record Instructor, Luddy School of Informatics, Computing, and Engineering, Indiana University Bloomington, U.S.A.

2017.1-2019.7, Associate Instructor, Luddy School of Informatics, Computing, and Engineering, Indiana University Bloomington, U.S.A.

教学课程

《Python数据分析》 (Data Analytics with Python) : 大数据管理与应用本科专业必修课

《数据可视化》 (Data Visualization) : 大数据管理与应用本科专业必修课

代表性期刊论文

更多期刊论文请见个人主页: <https://buyi08.wixsite.com/yi-bu>

- [1] 步一, 刘天祚, 黄文彬. (2015). 优化传统作者共引分析的研究初探——综合引文发表时间信息的作者共引分析方法. 图书情报知识, 32(6), 89-97.
- [2] Bu, Y., Ni, S., & Huang, W.-B. (2017). Combining multiple scholarly relationships with author cocitation analysis: A preliminary exploration on improving mapping knowledge domains. *Journal of Informetrics*, 11(3), 810-822.
- [3] 黄文彬, 步一, 王冰璐. (2017). 作者共引分析中原始共引矩阵的改进研究. 图书情报知识, 34(2), 75-82.
- [4] Zhang, C., Bu, Y., Ding, Y., & Xu, J. (2018). Understanding scientific collaboration: Homophily, transitivity, and preferential attachment. *Journal of the Association for Information Science and Technology (JASIST)*, 69(1), 72-86.
- [5] Bu, Y., Ding, Y., Xu, J., Liang, X., Gao, G., & Zhao, Y. (2018). Understanding success through the diversity of collaborators and the milestone of career. *Journal of the Association for Information Science and Technology (JASIST)*, 69(1), 87-97.
- [6] Bu, Y., Ding, Y., Liang, X., & Murray, D. S. (2018). Understanding persistent scientific collaboration. *Journal of the Association for Information Science and Technology (JASIST)*, 69(3), 438-448.
- [7] Bu, Y., Wang, B., Chinchilla-Rodríguez, Z., Sugimoto, C. R., Huang, Y., & Huang, W.-B. (2021). Considering author sequence in all-author co-citation analysis. *Information Processing and Management*, 57(6), 102300.
- [8] Bu, Y., Lu, W., Wu, Y., Chen, H., & Huang, Y. (2021). How wide is the citation impact of scientific publications? A cross-discipline and large-scale analysis. *Information Processing and Management*, 58(1), 102429.
- [9] Min, C., Chen, Q., Yan, E., Bu, Y., & Sun, J. (In Press). Citation cascade and the evolution of topic relevance. *Journal of the Association for Information Science and Technology (JASIST)*.
- [10] Bu, Y., Li, M., Gu, W., & Huang, W.-B. (In Press). Topic diversity: A discipline scheme-free diversity measurement. *Journal of the Association for Information Science and Technology*.

代表性会议论文

更多会议论文请见个人主页: <https://buyi08.wixsite.com/yi-bu>

- [1] Bu, Y., Wang, B., Huang, W., & Che, S. (2017). MFTACA: An author cocitation analysis method combined with metadata in full text. In *Proceedings of the 16th International Conference on Scientometrics and Informetrics (ISSI 2017)* (pp. 916-927), October 16-20, 2017, Wuhan, Hubei, China.
- [2] Chinchilla-Rodríguez, Z., Bu, Y., Robinson-García, N., Costas, R., & Sugimoto, C. R. (2017). Revealing existing and potential partnerships: Affinities and asymmetries in international collaboration and mobility. In *Proceedings of the 16th International Conference on Scientometrics and Informetrics (ISSI 2017)* (pp. 869-880), October 16-20, 2017, Wuhan, Hubei, China.
- [3] Bu, Y., Murray, D. S., Xu, J., Ding, Y., Ai, P., Shen, J., & Yang, F. (2018). Analyzing scientific collaboration with “giants” based on the milestones of career. In *Proceedings of the 81st Annual Meeting of the Association for Information Science and Technology (ASIS&T 2018)* (pp. 29-38), November 10-14, 2018, Vancouver, British Columbia, Canada.
- [4] Min, C., Bu, Y., & Sun, J. (2019). Comparing breakthrough and non-breakthrough papers from early citing structures. In *Proceedings of the 17th International Conference on Scientometrics and Informetrics (ISSI 2019)* (pp. 1110-1115), September 2-5, 2019, Rome, Italy.

科研项目

- 主持横向项目 “美国新空导弹项目及其关键技术情报分析与评判”
参与中国国家社会科学基金一般项目 “基于全文本分析的数据科学范式及其演化研究” (项目编号: 20BTQ054)
参与中国国家自然科学基金面上项目 “引文扩散理论及实证研究” (项目编号: 71874077)
参与中国国家社会科学基金青年项目 “美国图书馆员职业化的历史考察 (1939—1970)” (项目编号: 17CTQ034)

获奖情况

- CADRE奖金 (2019)
《Publications》期刊国际会议资助 (2018)
北京大学优秀毕业生 (2016)、北京市优秀毕业生 (2016)

社会兼职

学术期刊审稿人(Reviewers for journals): BMC Psychiatry; BMJ Open; Data and Information Management; Data and Knowledge Engineering; Frontiers in Big Data; Frontiers in Research Metrics and Analytics; Data Intelligence; IEEE Transaction on Emerging Topics in Computing; IEEE Transaction on Engineering Management; Information Systems Journal; Journal of Data and Information Science; Journal of Information Science; Journal of Informetrics; Journal of Librarianship and Information Science; Journal of Risk and Financial Management; Journal of the Association for Information Science and Technology; Library Hi Tech; Medical Science Monitor; Online Information Review; Physica A: Statistical Mechanics and its Applications; PLoS One; Recent Patents on Engineering; Scientometrics; Social Network Analysis and Mining.

学术会议委员会成员(PC member for conferences): Data-driven Discovery Workshop in the International Conference on Knowledge Discovery and Data Mining (KDD-DDD) (2017); Knowledge Graph Technology and Applications Workshop in the Web Conference (KGTA-WWW) (2019); National Conference on Social Media Processing (2017).

学术会议审稿人(Reviewers for conferences): ACM/IEEE Joint Conference on Digital Libraries (JCDL) (2019); ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD) (2017); Annual Meeting of the Association for Information Science and Technology (ASIS&T) (2018, 2019, 2020); The Web Conference (WWW) (2019).

特别兴趣小组(Special interest group, SIG):Scientometrics and Data Analytics SIG for International Network for the Science of Team Science(co-chair with Zaida Chinchilla-Rodríguez, Lin Zhang, and Ying Huang; 2019.5-); Scientific and Technical Information SIG for the Association for Information Science and Technology (Secretary-Treasurer; 2019.11-)

学术组织成员(Members of Associations): International Society for Scientometrics and Informetrics (ISSI), Association for Information Science and Technology (ASIS&T), Association for Library and Information Science Education (ALISE), Society for Social Studies of Science (4S).

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