



Knowledge Mapping in the Field of Library and Information Science in Scopus-Indexed Q1 Library Science Journals, 2018-2022

Pragma Student Presentation_Team 10

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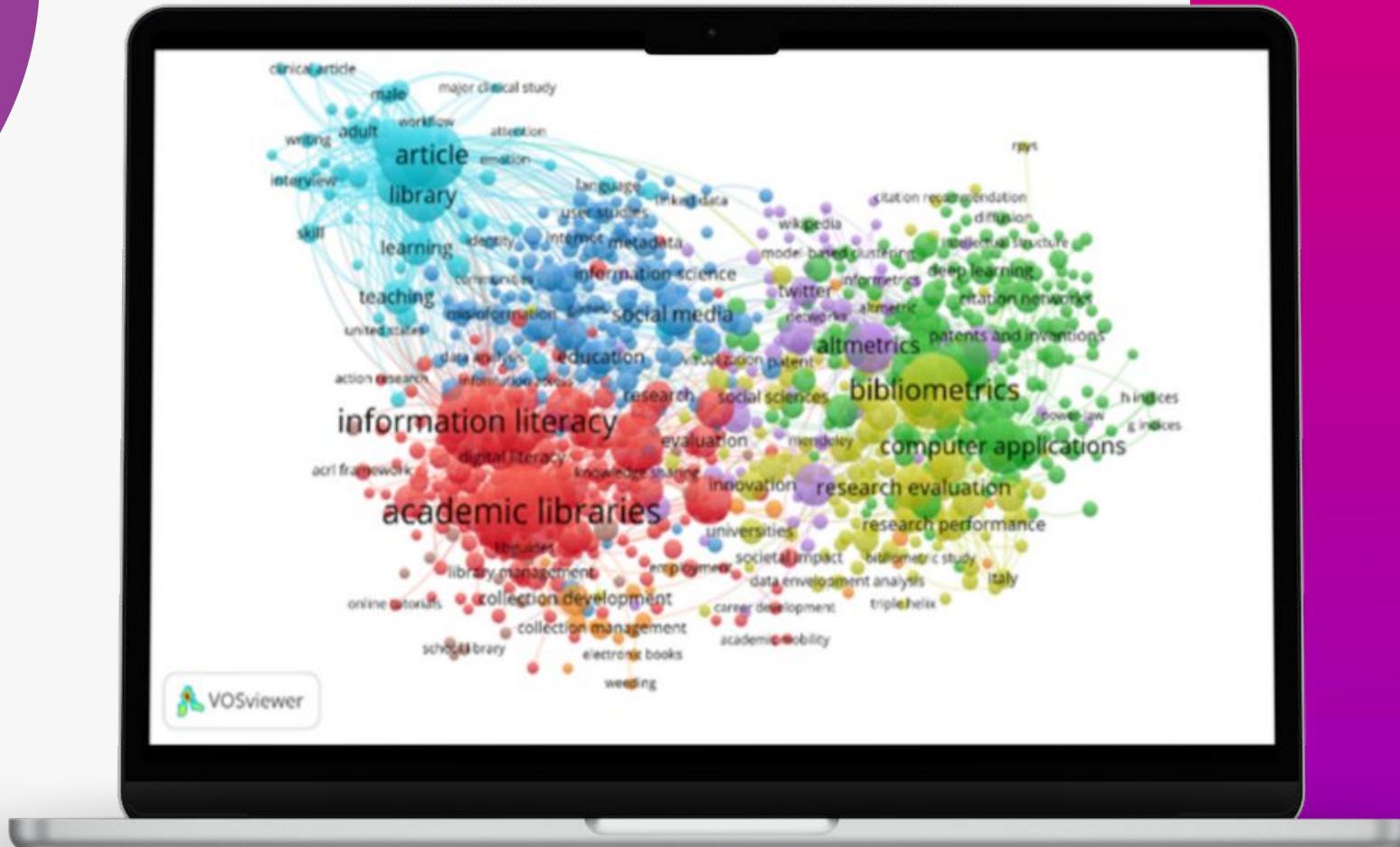
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Knowledge Mapping and its contribution to library and information science

- to provide and to update insight into scientific literature
- to guide information obtaining in diverse topic trends in the field of library science (Zins, 2007)

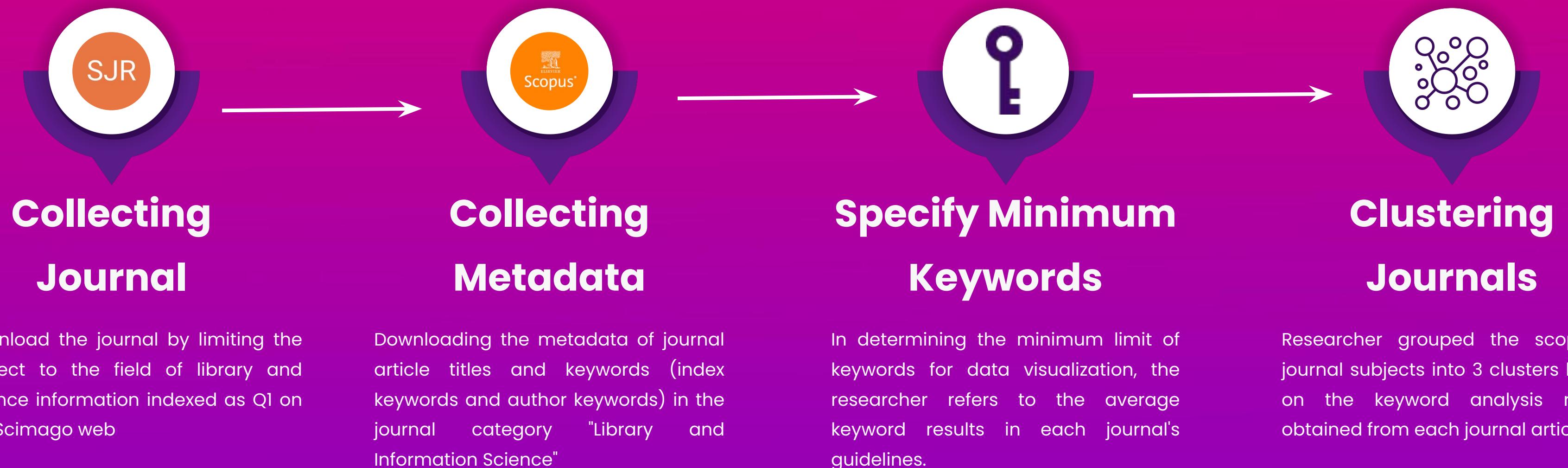
Objective

To analyze the trends in research topics in the field of library and information science through the occurrence of keywords from 2018 to 2022.



Methodology

This study uses a bibliometric approach by mapping knowledge based on co-occurrence in the **VOSviewer application**. The research data source comes from the international scientific journal **Scopus** with the scientific category "Library and Information Science," which is indexed Q1 on the **Scimago** Journal Rank web.



Result and Discussion

Three journal clusters consist of Library Science Cluster, Library and Information Technology Cluster, Library and Health

Article Publication Trends in the Library Science Cluster

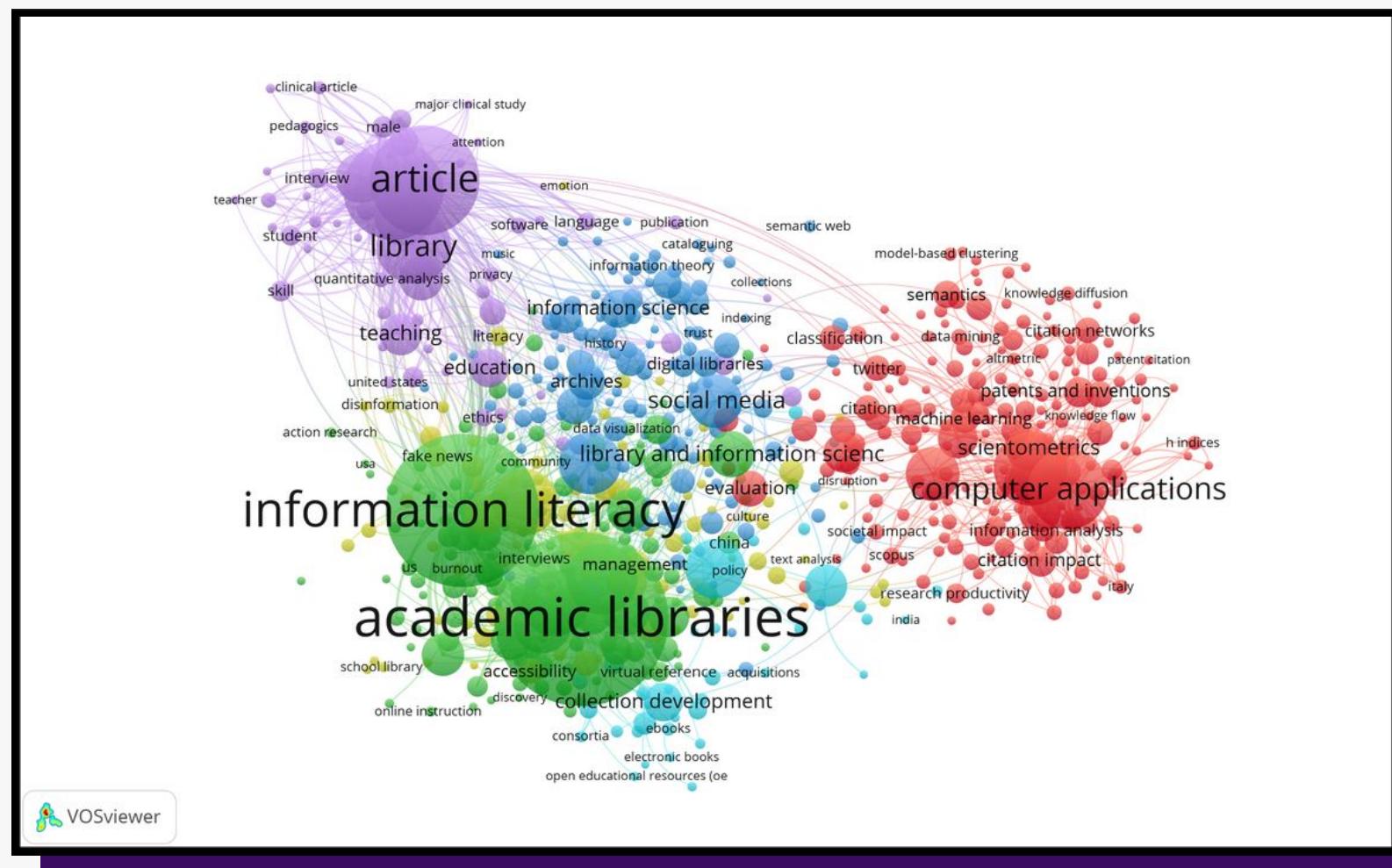


Figure 1. Network visualization results based on all keywords in the "Library Science" cluster.

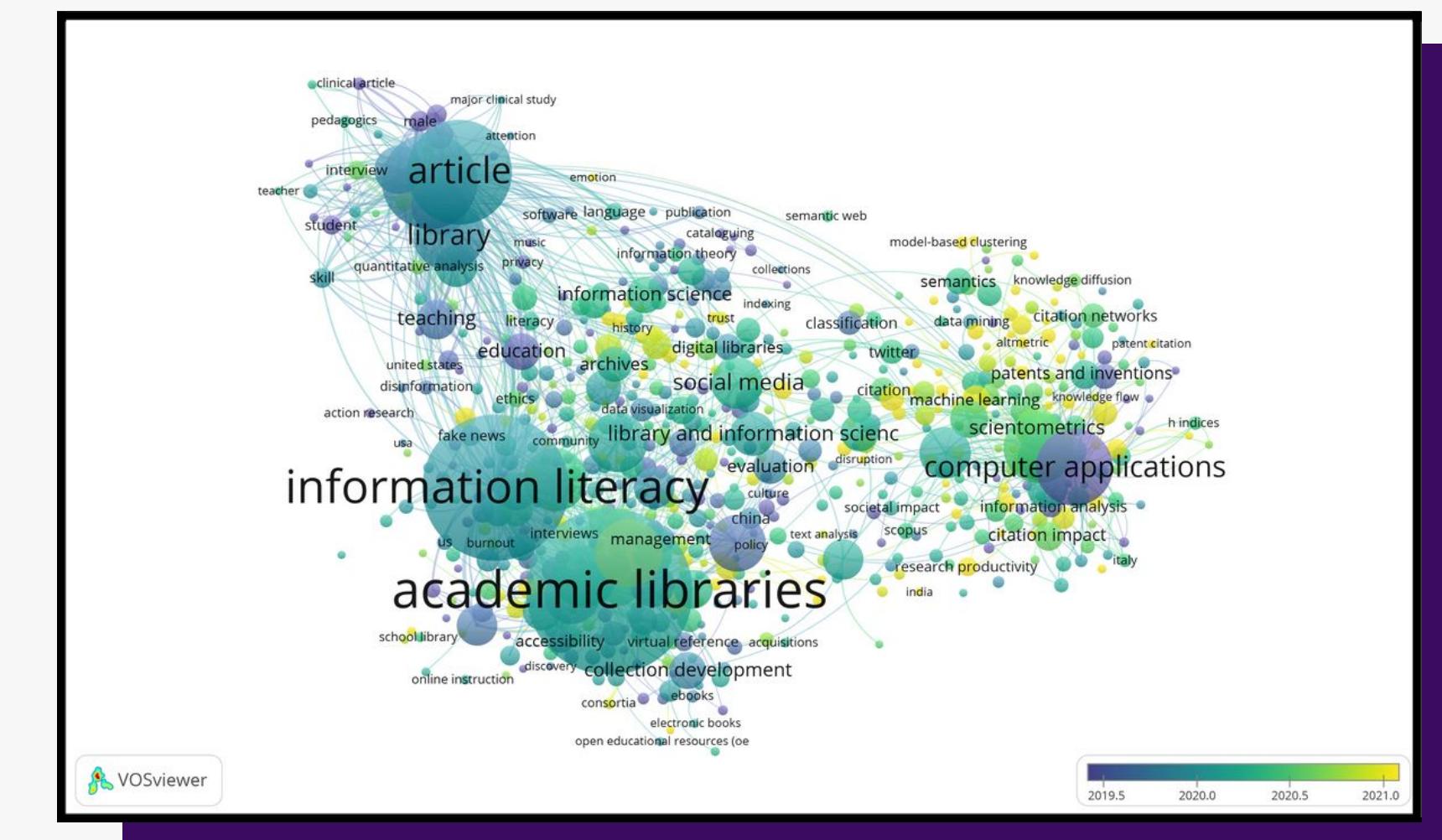


Figure 2. Overlay visualization results based on all keywords in the "Library Science" cluster

Result and Discussion

Three journal clusters consist of Library Science Cluster, Library and Information Technology Cluster, Library and Health

Article Publication Trends in Library and Information Technology Clusters

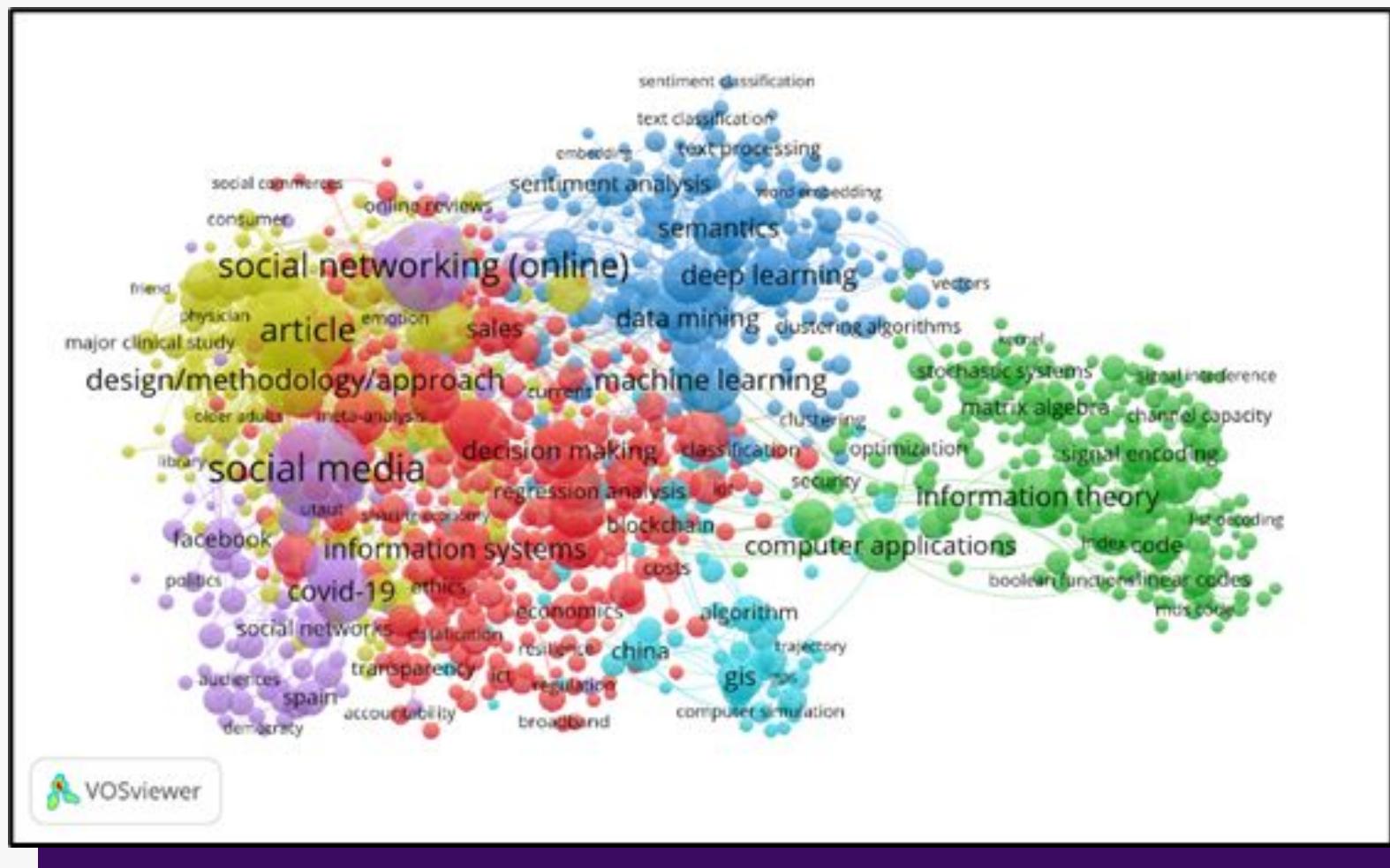


Figure 3. Network visualization results based on all keywords in the "Library and Information Technology" cluster

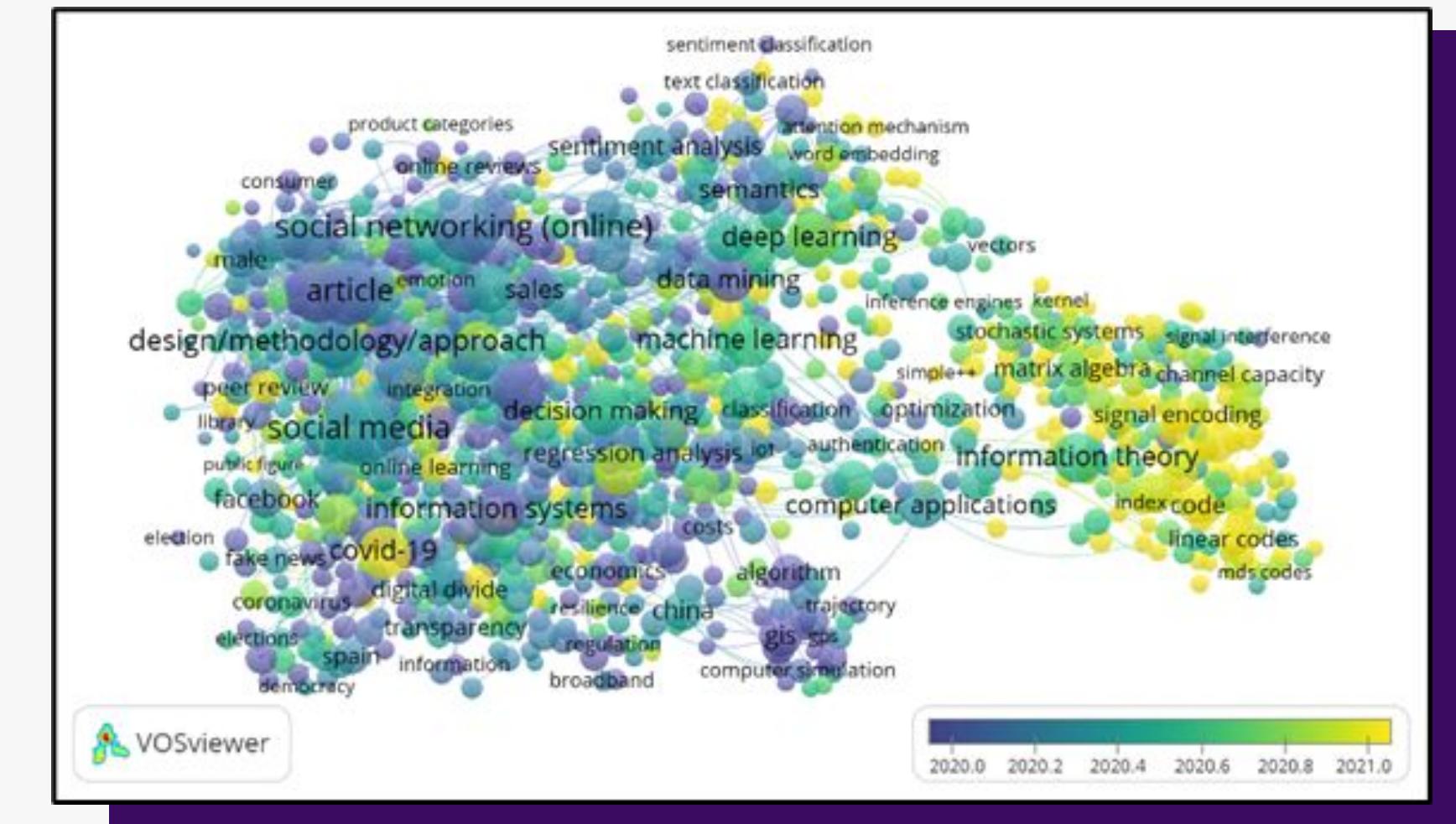


Figure 4. Overlay visualization results based on all keywords in the "Library and Information Technology" cluster

Result and Discussion

Three journal clusters consist of Library Science Cluster, Library and Information Technology Cluster, Library and Health

Article Publication Trends in Library and Health Clusters

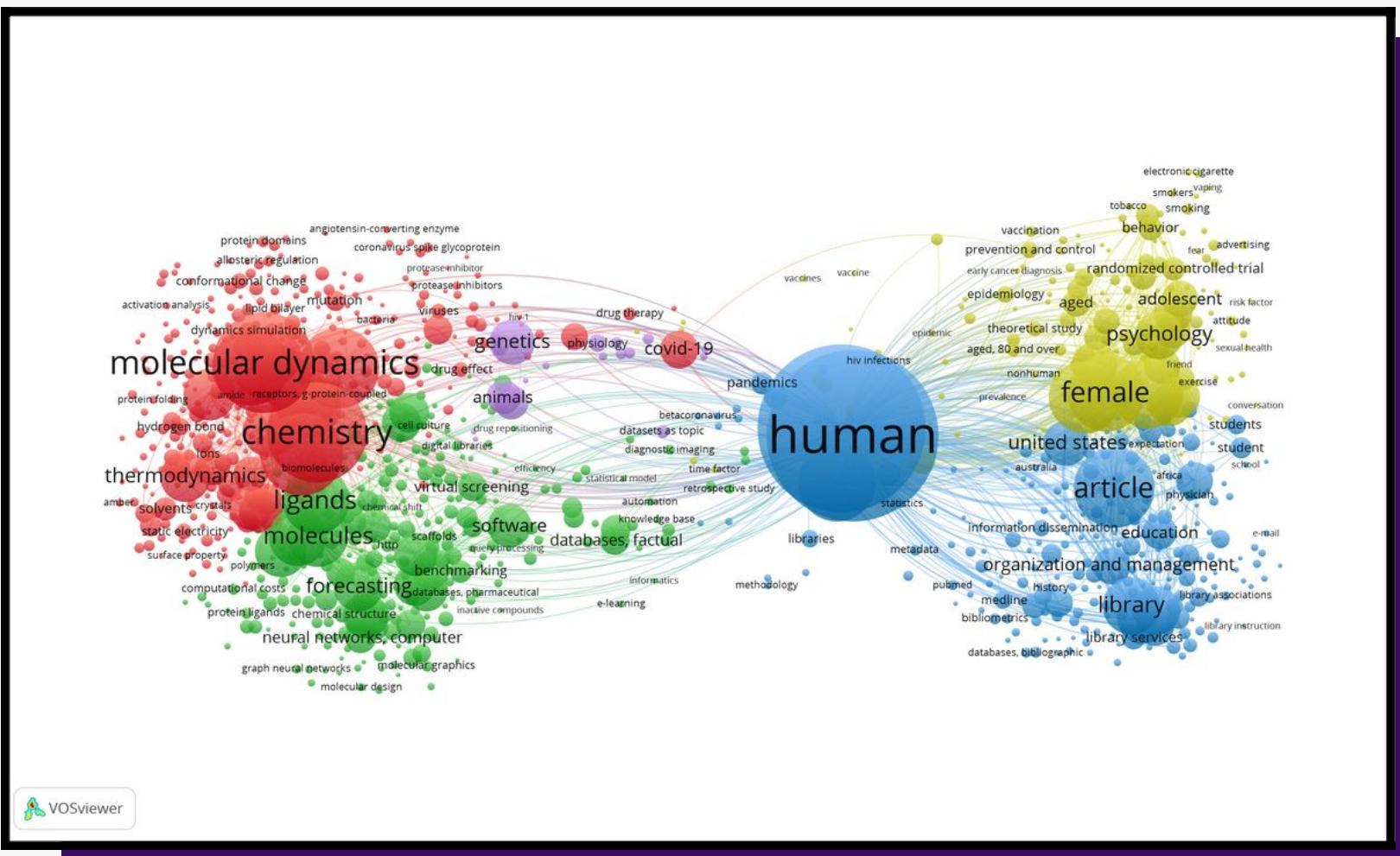


Figure 5. Network visualization results based on all keywords
in the “Library and Health” cluster

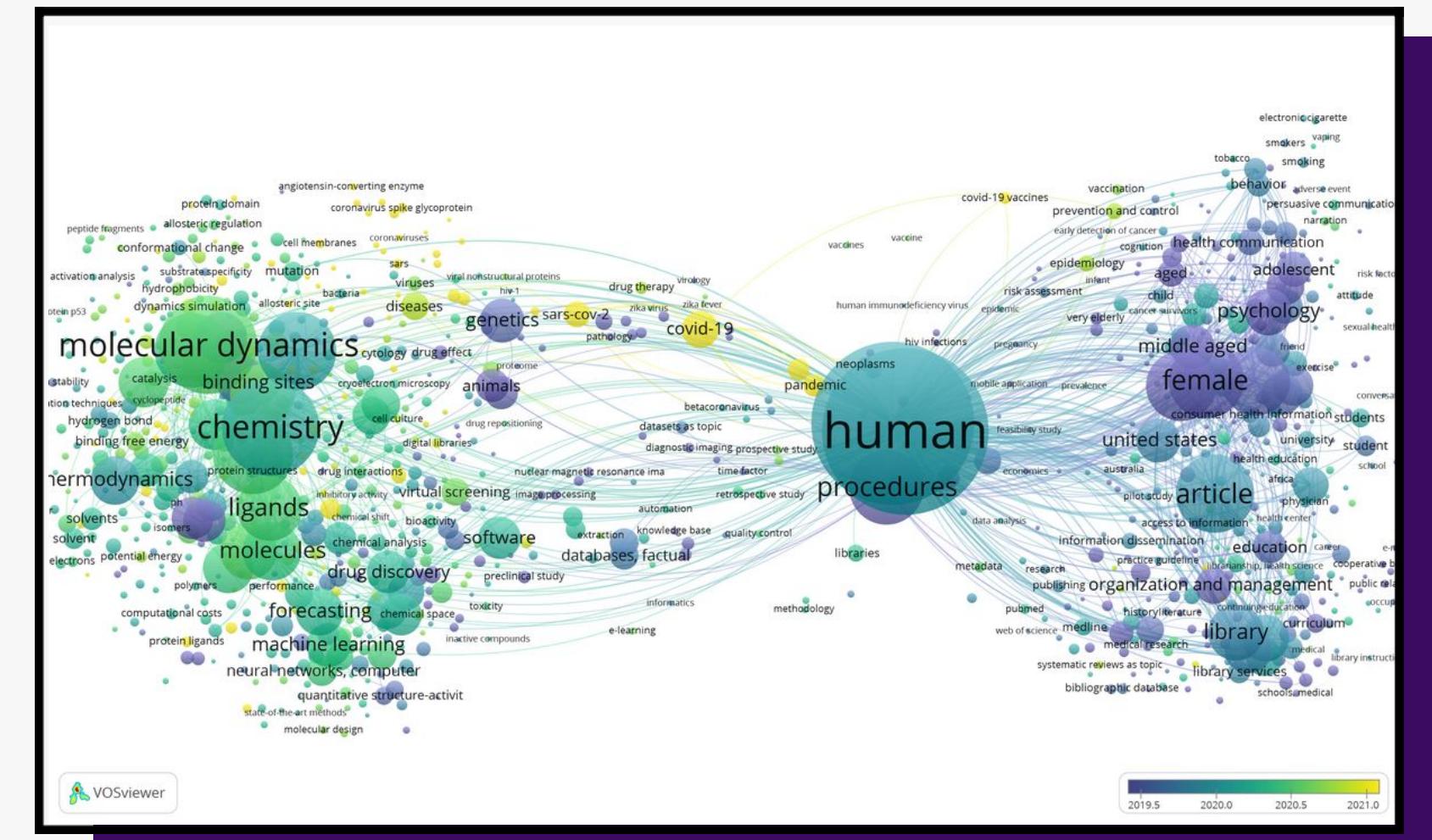


Figure 6. Overlay visualization results based on all keywords in the “Library and Health” cluster

Discussion

Supporting the previous results by Peset et al. in 2020, that there was a development of keywords in research articles, especially on the subject of library science.

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This research, more specific allowing us to identify issues related to the accuracy of keywords within the field of journal publications.

The formation of 3 clusters in the library and information science field for visualization and interpretation makes the results show a growing topic related to the research findings we obtained through Scimagojr.

Conclusion

1. The results conclude that the Library Science and Information Science field expanded to other areas of technology and health, between 2018 and 2022.
2. Our data show inaccuracies in the selection of keywords for scientific articles. Therefore, knowledge mapping needs to do for writers to determine the scope of the subject under study.

Reference

Córdoba-Tovar, L., Barón, P. A. R., Marrugo-Negrete, J., Roa-Fuentes, L. L., & Jonathan, M. P. (2022).

Scientific production on medicinal plants and their efficacy against Covid-19: A review and scientometric analysis based on VOSviewer. *Acta Ecologica Sinica*.

<https://doi.org/10.1016/j.chnaes.2022.10.005>

Peset, F., Garzón-Farinós, F., González, L. M., García-Massó, X., Ferrer-Sapena, A., Toca-Herrera,

J. L., & Sánchez-Pérez, E. A. (2020). Survival analysis of author keywords: An application to the library and information sciences area. *Journal of the Association for Information Science and Technology*, 71(4), 462–473.

<https://doi.org/10.1002/asi.24248>

Zins, C. (2007). Knowledge map of information science. *Journal of the American Society for Information*

Science and Technology, 58(4), 526–535.

<https://doi.org/10.1002/asi.20505>



Thank You!