

## Bibliometric Analysis: Leasing Research

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### Abstract:

The purpose of this study is to conduct a bibliometric analysis of the literature on leasing based on the Web of Science collection. The study included references to works on this topic published from 2000 to 2024, but since it was from 2005 that there was a significant increase in the number of studies. In total, about 1 163 of the most cited sources were analyzed. With the help of Web of Science analytics, the authors draw conclusions about the stages of studying this topic, as well as about the types of articles. The most productive institutions researching leasing relationships sources are The Ministry of Education Sciences of Ukraine, The Bucharest University of Economic Studies and University System of Georgia. Based on the citation analysis of works, the leading authors in this field are Svoboda Patrik, Bohusova Hana, Bright Susan, and the most citable publisher is Elsevier. It was revealed that the consideration of the authors' works, which are a "link" between several groups of scientists, is of interest. USA and China are the countries with the most significant cooperation in this field of study. Conducting such an analysis gives a level of prior studies of this topic, and helps to choose the most important, interesting and competent works for further study.

**Keywords:** *leasing, bibliometric analysis, visualization, literature review, main topics*

### Introduction

The pace of development of science and technology forces modern researchers to constantly be aware of the current state of the problem they are developing. It is necessary to know the current trends in the subject matter under consideration, as well as the degree of development of the research methodology, in order to choose the directions of future research, therefore bibliometric analysis is becoming increasingly popular. Bibliometric research is widely used by researchers when analyzing existing research trends, regardless of whether this analysis is a literary review of an article or a separate full-fledged study [1, 2].

Citation analysis is a widely used bibliometric method based on the construction of a citation graph, a network or graphical representation of citations between documents [2].

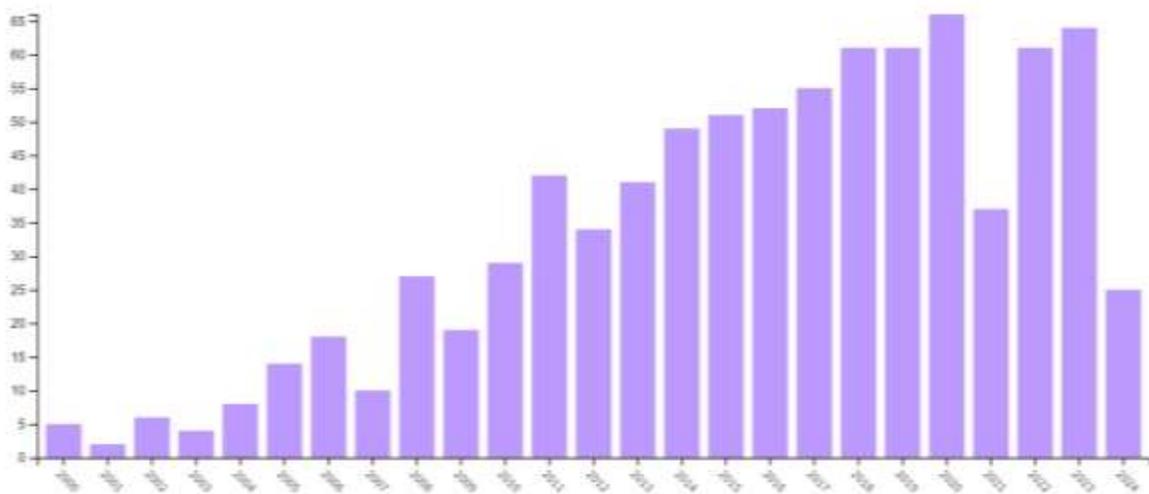
Bibliometric methods of analysis are an effective and important tool for determining research trends in various fields of science [3]. Bibliometric studies include a number of quantitative and visual procedures for generalizing the patterns and dynamics of publications, which is a clear way to display the results of the study [2].

The topic of leasing is widely discussed in scientific circles, since the use of leasing generates a lot of discussions both in scientific circles and in business. In this regard, conducting a bibliometric analysis on this topic is particularly relevant.

The purpose of this study was to identify the main topics and areas of research in the field of leasing relationships, using bibliometric analysis as a method.

## 2 Materials and Methods

To conduct a bibliometric analysis of the literature on leasing based on the Web of Science collection, the study included references to works on this topic published from 2000 to 2024. The authors chose the Web of Science platform, as this resource combines abstract databases of published scientific papers from around the world and has built-in capabilities for searching, analyzing and managing bibliographic information, including downloading it. The search was performed by the terms “leasing” and “leasing relationships” in the titles, annotations and keywords of the articles. With the help of Web of science analytics, conclusions were made about the stages of studying this topic. As WoS analytics has shown, there has been a significant increase in the number of studies since 2005 (Figure 1).



**Fig. 1.**Total number of publications on the topic "Leasing"

It was also determined that the main pool of material consists of scientific articles (Figure 2).



**Fig. 2.** Types of publications on the search performed in WoS

To narrow the results and increase their accuracy, the type of articles in scientific journals to be included in this study was defined as “article”. This type excludes conference materials, books and other review studies.

### 3 Results and Discussion

At the first stage of the analysis of works on this topic published from 2000 to 2024, all publications were divided into thematic clusters (Figure 3). Depending on the color and the area that this color occupies, you can track how the priority area changes over time. As a result, it was possible to identify priority areas of science in which there are studies on the subject of leasing: business finance, economics, management, law and etc. After analyzing the subject areas, it can be concluded that the topic of leasing covers many sciences, i.e. it is multidisciplinary.



**Fig. 3.** Clusters – subject areas

To highlight the most relevant and interesting works for consideration, a map is often built according to the most cited authors (Figure 4). The citation of scientific articles plays an important role not only to improve the scientometric indicators of authors, but also to highlight the most interesting and scientifically significant works.

When identifying the most cited authors, the year in which the author published the most cited works plays an important role, since this criterion is important for understanding the relevance of the work (Figure 4).



**Fig. 4.** Most cited authors

The list of authors, the average number of citations of their works and the most productive year of research is presented in Table 1.

**Table 2.** Most cited authors

№	Count	Authors
1	57	Bohusova Hana
2	32	Svoboda Patrik
3	31	Bright Susan

After analyzing the publications of the most cited authors, it can be concluded that the most relevant topic is improving the efficiency of leasing.

The citation of the authors' works related to certain universities/organizations directly affects the place of these organizations in various ratings of educational organizations. It is believed that the high position of national universities in the ranking enhances the image of the country as a whole and attracts foreign students. To do this, universities should become more transparent, as well as introduce internationally accepted standards for scientific research and training of specialists. The specific place of each university in the ranking is determined by an index, which is calculated based on the values of several characteristics of the university. The criteria most often include academic and scientific reputation, the citation of scientific publications, the ratio of students and teachers, the number of foreign teachers and foreign students, the level of dissemination of knowledge and innovation [4]. Figure 5 shows a map of universities engaged in leasing research.



**Fig.5.** Map of the most cited universities

The The Ministry of Education Sciences of Ukraine, The Bucharest University of Economic Studies and University System of Georgia are the leaders in the number of citations and frequency of mentions.

Citation is also important for scientific journals. It is the basis for calculating the main indicators of scientific journals. Depending on these indicators, it is possible to monitor the value of the publication for the scientific community in comparison with similar publications. In this regard, it is necessary to highlight the most cited publishers on the subject of leasing. Figure 6 shows a map of the most cited publishers.



**Fig. 6.** Map of the most cited publishers

Also, when comparing journals, SJR Scopus is used, which takes into account not only the total number of citations, but also the weight of each link. If the author of an article published in a publication with a low quartile of Scopus journals is quoted, for example, Q4, the weight of this quote will be lower than the link to an article from the journal of the quartile Q1. Therefore, focusing on the SJR rating of the journal, authors can choose not just a popular and popular journal, but also a cited one, which will significantly increase the authority of the researcher, the citation of his works, will



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