

A Bibliometric Analysis of Forest Fires

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Abstract

Due to the mega forest fires in recent years, the interest in scientific research on forest fires is increasing. The importance of studies on forest fires in combating climate change and the evaluation of these studies on forest fires will contribute to the literature. This study aims to make a bibliometric analysis of the studies on forest fires. In this context, the studies listed in the Web of Science database were identified by selecting the subject search option and searching with the keywords "forest fire" or "fire management" or "fire risk" or "human perception" or "forest fires". As a result of the searches, a total of 43884 studies were reached, and then this number was reduced to 32185 by selecting article and review article types. WoS Category "Forestry" was selected and the number was reduced to 3426. SCIE-SSCI-ESCI was selected from WoS Index options and this number decreased to 3219. Finally, "Forest Fires" was selected from the citation topics micro option and the last 15 years were selected as the year (2009-2023) and the final number was 1387. Bibliometric analysis method was used in the evaluation of this research. 1387 articles were uploaded to VOSviewer computer software and co-author-organisations, co-author-country, co-occurrence-keywords, citation-documents, citation-sources, citation-author, citation-organisations, citation-country and co-occurrence-abstract fields were matched and the results obtained were analysed. The most co-authored article was Keeley (2009b), the most cited journal was International Journal of Wildland Fire, the most cited author was William J. De Groot, the most cited organisation was the US Forest Service, the most cited country was the United States of America, the most cited keywords were "fire management, forest fires and wildfire" and finally the most used word in the abstracts was "forest fire".

Keywords: Forest fires, human perception, bibliometric analysis

References

Web of Science