Bibliometric Analysis of E-Waste Literature

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Abstract

The importance of e-waste management has led many researchers to conduct research on e-waste. An analysis of e-waste literature is needed to obtain the most recent research trends in e-waste. This study aims to conduct a bibliometric analysis of e-waste literature. Rapid economic growth combined with innovative development in technology has resulted in a large market for electronic products. The waste generated from electronic products is commonly referred to as electronic waste (e-waste). Hazardous substances contained in e-waste can contaminate the environment and health around the e-waste disposal or treatment area, if the treatment of e-waste is not carried out properly. This study was conducted to obtain the latest research trends among reputable publishers, including visualizing and clustering the research trends based on year and publisher. ScienceDirect has the most sources of literature, with literature containing the keyword "e-waste" totaling 4858 pieces of literature. Bibliometric analysis was conducted using VOSviewer software. The cluster and trend of topics can be identified based on the year of publication and the publisher.

Keywords

Electronic Waste, Bibliometric Analysis, VOSviewer, Research Trends.