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RESEARCH PATTERNS AND TRENDS OF CARBON EMISSION FROM INLAND WATERS AT A GLOBAL SCALE

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Abstract

This paper presents a bibliometric analysis of the publications on carbon emission from inland waters (CEW) in the past 10 years (2011-2020). The study in this paper utilizes the Scopus database, which enables the retrieval of 6303 related documents. The findings of the study showed that the amount of CEW research has consistently increased over the years, and is expected to grow rapidly in the future. China and USA are the top publishing sources on CEW worldwide, with the Chinese Academy of Sciences being the top leading institution. The research in this field has focused on the CO_2 source identification, the impact of environmental factors on CEW, the reduction of carbon emissions, as well as the energy usage performance and efficiency. This comprehensive study not only enhances the understanding of current CEW research among scholars and managers but also provides a historical reference for future research.

Key words: bibliometric analysis, carbon emission, inland waters, research trends

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