

System Dynamics Review (2017-2023): A Literature Review

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Abstract:

System Dynamics Review (SDR) is a prominent journal in the field of system dynamics, exclusively publishing articles related to system dynamics (SD). This paper analyzes 118 articles published in SDR from 2017 to 2023 through author analysis, citation analysis, and bibliometric coupling analysis. Based on the annual average citations, three major research branches in SD were identified: public policy formulation, exploration of fundamental principles, and field status summaries. The conclusion drawn is that the interdisciplinary development characteristics of the SD field are becoming increasingly evident. Researchers have started to incorporate knowledge from disciplines such as social psychology and operations research into the modeling process, which will also be a trend for the future development of SD.

Keyword: system dynamics, System Dynamics Review, Literature Review