

The effect of background music on memory research: a bibliometric study

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In the context of validating the Chinese version of the Music Ear Test on a Large Chinese Sample, it is imperative to underscore the burgeoning interest in the potential intervention effects of background music on memory over the past two decades. However, amidst this rapidly evolving landscape of research, there has been a discernible oversight concerning the construction of a comprehensive research framework and the conduct of systematic reviews. Our study focuses on academic papers investigating the impact of background music on memory from 2004 to 2024, utilizing VOSviewer 1.6.20, SCImago Graphica, Citespace 6.2.R7, and JASP 0.18.3.0 software for multidimensional visual analysis. Supported by quantitative data, we provide a synthesized overview of research trends and future trajectories in the field. Notably, an examination of experimental paradigms employing background music to modulate memory function reveals its interdisciplinary nature, which not only inspires novel research avenues but also broadens methodological perspectives. Forecasts indicate sustained growth in global publication volume within this domain, affirming the enduring relevance of investigating the intervention effects of background music on memory over the next five years. Regarding developmental trends, the coupling of background music with memory, as distinct themes, traces back to 1985. However, since 2004, rapid advancements have been observed, catalyzed by the adoption of interdisciplinary research methodologies. The emergence of new research focal points in 2023 suggests a deepening and broadening of future investigations. Against the backdrop of rapid interdisciplinary advancement, a shift from comprehensive to nuanced research approaches is anticipated within this domain.