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Global trends in the study of green space and mental health: Bibliometric analysis

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Introduction

- Many studies have focused on green space and mental health, especially its linkage and relationship (Astell-Burt et al., 2014; Beyer et al., 2014; Nutsford et al., 2013; Shen and Lung, 2018). However, a comprehensive and systematic review is lacking .
- → Therefore, the objective of this study is to clarify the trends, progress, and focus of studies on green space and mental health through bibliometric analysis.

Results and Discussion — Trends

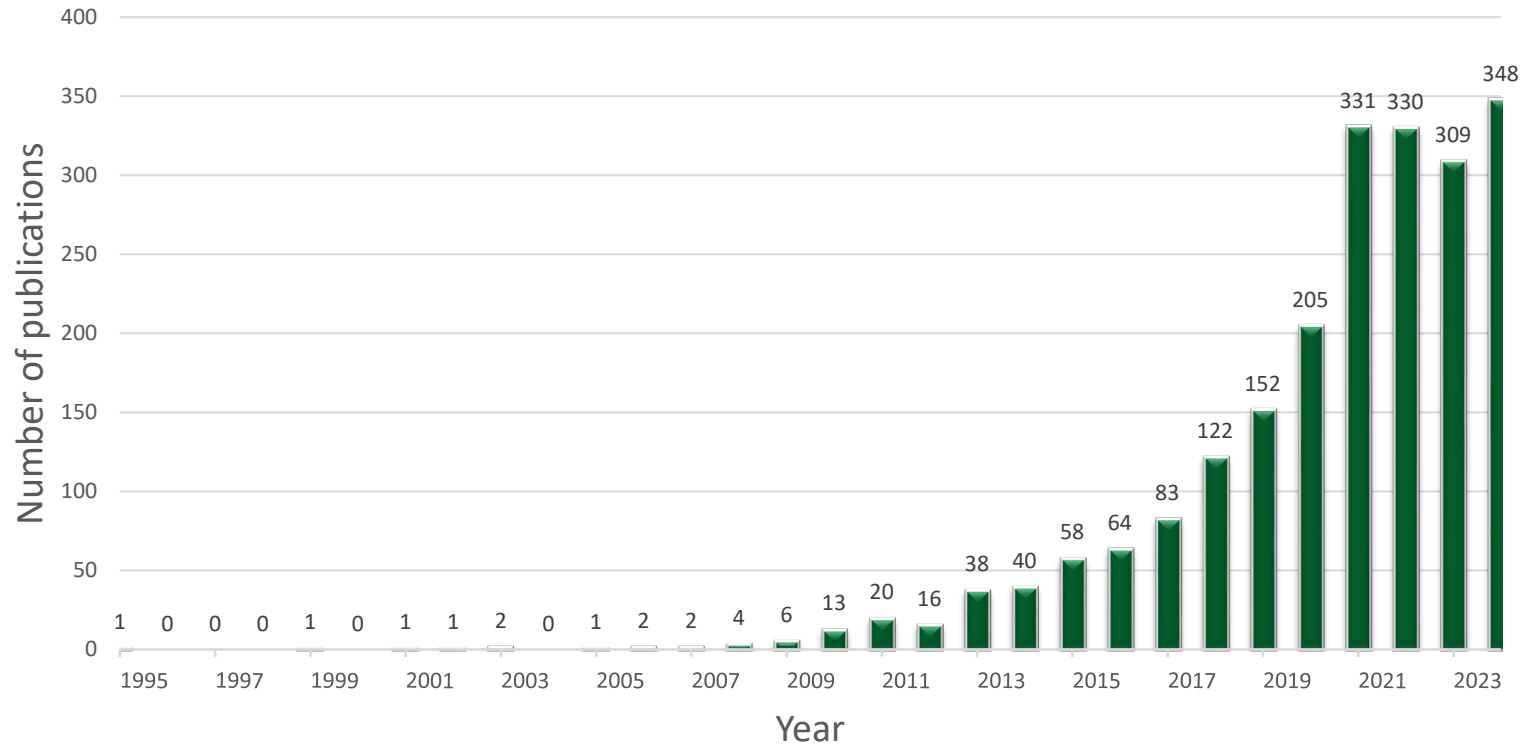


Figure 2 The trend in the annual number of publications on the study of green space and mental health

Results and Discussion — Countries contribution analysis

Table 1 Top 10 countries with the most publications surrounding the study of green space and mental health

Rank	Country	Number of Publications	Starting Year
1	China	576	2009
2	USA	555	2006
3	UK	420	2005
4	Australia	221	2008
5	Spain	160	2004
6	Netherlands	153	2004
7	Canada	134	2012
8	Germany	121	2004
9	Italy	75	2005
10	Sweden	67	2006

Results and Discussion— Institution contribution analysis

Table 2 Performance of the top 5 institutions with the most publications within the study of green space and mental health

Rank	Institution	Country	Number of Publication
1	CIBERESP	Spain	186
2	Pompeu Fabra University	Spain	91
3	ISGLOBAL	Spain	86
4	University of Exeter	UK	66
5	University of London	UK	64

Results and Discussion — High productive journals analysis

Table 3 Top 5 journals in the domain of green space and mental health research (SCIE/SSCI)

Rank	Publication	Number of Publications	IF 2023	Categories
1	Urban Forestry & Urban Greening	142	6.0(Q1)	Environmental Science (SSCI); Forestry (SCIE)
2	Landscape and Urban Planning	112	7.9(Q1)	Ecology (SCIE); Environmental Studies (SSCI); Urban Studies (SSCI)
3	Environmental Research	105	7.7(Q1)	Environmental Science (SCIE); Public, Environment & Occupational Health (SCIE)
4	Sustainability	81	3.3(Q2)	Environmental Studies (SSCI); Environmental Science (SCIE)
5	Health & Place	73	3.8(Q1)	Public, Environment & Occupational Health (SSCI)

Conclusions

- Green space and mental health studies are strongly related to the SDGs, which suggests the topic's significance.
- This study conducted bibliometric analysis to analyze the trends, progress, status, and hotspots of research on green space and mental health , including countries contribution analysis, institution contribution analysis, and keyword analysis.
- This study contributes to understanding this research topic's progress and focus and offers inspiration for future research.
- The frontier directions of this topic: “the quantification of the elements from health-oriented green space planning”, “the equity of green space”, and “the long-term effects of green space on mental health. ”

Thank you