

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Oncology*

Manuscript NO: 87296

Title: Bibliometric analysis of the global research status and trends of mechanotransduction in cancer

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04700321

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor, N/A

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2023-08-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-02 09:12

Reviewer performed review: 2023-08-02 10:36

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The paper presents a comprehensive bibliometric analysis of mechanotransduction-related cancer research, exploring research themes, hot topics, and collaborations. The study reveals an increasing popularity of this field, with the USA leading in global research. The identification of potential next big topics, such as the plasma membrane and post-transcriptional modifications, highlights promising areas for future investigation. However, the study acknowledges limitations, including database and language bias. The paper provides valuable insights into the current state of mechanotransduction-related cancer research and suggests potential directions for further exploration. Clarify the methodology for selecting and analyzing keywords from the 597 papers to ensure transparency and replicability. Consider including non-English studies through translation services or collaborating with researchers familiar with non-English publications to reduce language bias. Provide more context on the criteria for determining research themes and the rationale for dividing keywords into clusters for a deeper understanding of the results. Discuss potential implications of the identified research themes and hot topics on cancer diagnosis, treatment, and

patient outcomes to highlight the practical significance of the findings. Explore potential factors influencing the lower average citation time for Chinese publications to better understand and address the quality improvement needs. Discuss the role of interdisciplinary collaborations in the field and how collaborations between institutions and countries could be promoted to further advance research.

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Peer-review model: Single blind

Reviewer's code: 03478911

Position: Associate Editor

Academic degree: PhD

Professional title: Chief Technician, Executive Vice President, Research Assistant Professor

Reviewer's Country/Territory: South Korea

Author's Country/Territory: China

Manuscript submission date: 2023-08-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-02 11:02

Reviewer performed review: 2023-08-07 07:51

Review time: 4 Days and 20 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty

Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input checked="" type="checkbox"/> Grade D: No creativity or innovation
Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is like a general survey of current trends in cancer research. This reviewer cannot aware of what clinical implications (especially in clinical oncology) can be derived from this study. Unfortunately, it is considered correct to submit this manuscript to a journal in the field of medical statistics.

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Peer-review model: Single blind

Reviewer's code: 06303455

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Research Scientist, Research Assistant, Research Associate

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

Manuscript submission date: 2023-08-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-08-02 06:32

Reviewer performed review: 2023-08-11 22:35

Review time: 9 Days and 16 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In reference to the manuscript entitled "Bibliometric analysis of the global research status and trends of mechanotransduction in cancer"; the manuscript is of interest; however, minor and major issues must be addressed before any further consideration. Please revise in a point-by-point manner with the track changes so that the changes are visible to the reviewers! Please explain your methods in the abstract! There are typos and weird choices of words in the text that need to be taken care of. Some important sentences in the introduction section lack supportive references. Please add. Why did not the authors remove the review articles from the pool? Review papers must have been disregarded! This is a scientific shortcoming of paramount importance! Please explain! How did you divide the articles into categories? In reference to the countries, is it England or UK? Figure captions are vague and need to be expanded to explain the whole figure and its subject. In Figure 4, institution names must be written in full. Please revise. Also, in Figure 5, the first and last name of each author must have their first letter in capital. In section "keyword analysis" in Results, materials and methods are detailed. Please move these parts to M&M. Also give more



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detail on what exactly this topic is for those who might be interested!

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Clinical Oncology*

Manuscript NO: 87296

Title: Bibliometric analysis of the global research status and trends of mechanotransduction in cancer

Provenance and peer review: Unsolicited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06303455

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Research Scientist, Research Assistant, Research Associate

Reviewer's Country/Territory: Iran

Author's Country/Territory: China

Manuscript submission date: 2023-08-02

Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2023-09-15 05:46

Reviewer performed review: 2023-09-15 11:26

Review time: 5 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Special thanks to the authors for addressing the raised concerns as much as possible. I
have no further comments.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 04700321

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Academic degree: PhD

Professional title: Associate Professor, N/A

Reviewer's Country/Territory: China

Author's Country/Territory: China

Manuscript submission date: 2023-08-02

Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2023-09-15 01:58

Reviewer performed review: 2023-09-15 11:47

Review time: 9 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The revised version can be accepted.