


## Comment on “A bibliometric analysis of vaccination against atherosclerosis”

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### Dear Editor

We read with great interest the paper published in *Human Vaccines & Immunotherapeutics* entitled “A bibliometric analysis of vaccination against atherosclerosis” by Bochao Jia et al.<sup>1</sup> This article uses advanced bibliometric methods to conduct a comprehensive visual analysis of publications, countries, journals, authors and keyword information in AS vaccine research within the WoSCC database, and summarizes the research hotspots and frontier trends in this research field. We highly support and appreciate the researchers’ work, and thank them for their contributions in the field of vaccination against atherosclerosis. However, we have doubts about the two data in the article, which will be commented critically as follows.

Under the subheading of Publication and citation summary, this article first describes “Over this period, the average annual growth rate of published papers is 3.39%, a total of 919 keywords are involved.” Then, under the subheading of Analysis of keywords, this article describes “Synonyms were consolidated (such as “vaccines” to “vaccine”), resulting in the identification of 2,250 keywords from 462 articles.” It can be seen that the number of keywords is inconsistent. As we know from Figure 1a,

there are 919 author keywords in 462 publications. In addition, as far as we know, when using VOSviewer to analyze keywords, “All keywords” or “Author keywords” can be checked in the “Co-occurrence” column. Author keywords are different from all keywords. Hence, 2250 keywords may be “All keywords” in 462 publications. In summary, it is more appropriate to change “a total of 919 keywords are involved” to “a total of 919 Author keywords are involved.”

Under the subheading of Analysis of journals and most cited publications, the authors mention that “The top 10 journals collectively contributed 91 papers, representing approximately 20% of the total publications.” However, according to the “TP” data in Table 1, we find that the top 10 journals collectively contributed 114 papers, representing approximately 25% of the total publications. Therefore, we express doubts about the data of the total number of publications in the top 10 journals.

The research work of Bochao Jia et al. helps us understand the research hotspots, evolution paths, emerging topics, and future research trends in the field of vaccination against atherosclerosis. However, it is worth noting that the data of the article should be accurately to ensure that researchers obtain correct information.

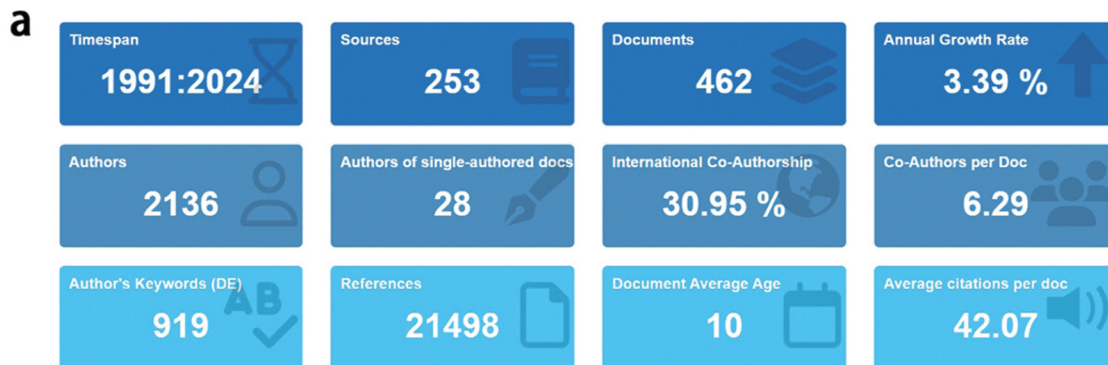


Figure 1. Analysis of Annual Publications a) Main Information.

**Table 1.** The top 10 journals related to atherosclerosis vaccine.

| Rank | Journal  | TP | JCR | IF <sub>2022</sub> |
|------|--|----|-----|--------------------|
| 1    | Vaccine  | 23 | Q2  | 5.5                |
| 2    | Atherosclerosis                                  | 21 | Q2  | 5.3                |
| 3    | Arteriosclerosis Thrombosis and Vascular Biology | 16 | Q1  | 8.7                |
| 4    | Circulation                                      | 14 | Q1  | 37.8               |
| 5    | Cardiovascular Research                          | 8  | Q1  | 10.9               |
| 6    | Circulation Research                             | 7  | Q1  | 20.1               |
| 7    | Current Pharmaceutical Design                    | 7  | Q3  | 3.1                |
| 8    | Current Opinion in Lipidology                    | 6  | Q2  | 4.4                |
| 9    | European Heart Journal                           | 6  | Q1  | 39.3               |
| 10   | Frontiers in Immunology                          | 6  | Q1  | 7.3                |

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## Author contributions

Kun Xu (50%): ideas, writing, analyzing; Ziqi Zhao (15%): ideas, analyzing; Xisheng Xu (15%): ideas, analyzing; Yuejun Zhou (20%): analyzing, supervision, approval.

## Reference

1. Jia B, Wei R, Yuan C, Cheng T, Shi S, Chu Y, Hu Y. A bibliometric analysis of vaccination against atherosclerosis. *Hum Vaccines Immunother.* 2024;20(1):2365500. doi:10.1080/21645515.2024.2365500.