Qeios

Peer Review

Review of: "The Influence of an Artificial Intelligence Large Language Model (ChatGPT) on Orthopaedic Scientific Publishing: A Bibliometric Analysis"

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1. Clarify the originality of this study compared to existing bibliometric analyses on ChatGPT's impact across other medical fields.
2. Provide a clearer rationale for journal selection and justify why these ten were considered representative of orthopaedic publishing.
3. Expand the explanation of sentiment analysis limitations and discuss the possible biases of lexicon-based methods in technical abstracts.
4. Strengthen causal interpretation by explicitly addressing alternative explanations such as general publication growth and post-pandemic collaboration effects.
5. Include additional metrics (e.g., keyword co-occurrence, citation trends) to support conclusions about the thematic influence of AI on research content.
6. Present effect sizes or confidence intervals alongside p-values to enhance statistical interpretability.
7. Clarify whether data cleaning steps (duplicate removal, ISSN matching) were independently verified to ensure dataset reliability.
8. Discuss in more depth how changes in lexical diversity and sentence length practically reflect ChatGPT's influence on writing style.
9. Elaborate on the ethical implications of AI-assisted authorship and the responsibility of journals in detecting or disclosing such use.
10. Summarize potential policy recommendations for editors and publishers to ensure transparency in AI-assisted writing.

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Declarations

Potential competing interests: No potential competing interests to declare.