Qeios

Peer Review

Review of: "Heat Transfer in Composite Materials: Mechanisms and Applications"

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The study highlights heat transfer mechanisms in composite materials and their industrial applications, reviewing analytical, numerical, and experimental methods. While comprehensive, the manuscript requires improvements:

- **Abstract:** Summarize key findings with numerical data for clarity.
- **Figures:** Shorten titles and include detailed descriptions within all the figures.
- **Numerical Methods:** Add relevant equations for better understanding.
- **Conclusion:** Clarify the role of computational and experimental approaches.
- **Citations:** Focus on key studies per sentence to avoid over-citation.
- **Visuals:** Incorporate more figures for enhanced comprehension.
- **Language:** Improve clarity and readability through careful revision.
- **References:** Include recent studies to strengthen the review.

Additionally, the authors should provide quantitative insights on heat transfer efficiency in sections 1, 2, 3, and 5 to guide future research.

Declarations

Potential competing interests: No potential competing interests to declare.

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