

Review of: "[Commentary] Comments on: “A perspective on impedance matching and resonance absorption mechanism for electromagnetic wave absorbing” by Hou et al. [Carbon 222 (2024) 118935]"

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Potential competing interests: No potential competing interests to declare.

The manuscript requires substantial improvements to meet scientific standards. Firstly, a comprehensive literature survey section must be added to provide context and highlight the relevance of the study. The novelty of the proposed work is not adequately justified and needs a clearer, more robust articulation. Including graphical analyses would significantly enhance understanding and visualization of the data. The results and discussion sections need to be expanded to provide more detailed explanations and implications of the findings. Additionally, it is crucial to incorporate recent references in the reference section to ensure the study is up-to-date. A comparative analysis or summary of results is essential for evaluating the work against existing research, highlighting its unique contributions. A diagrammatic flow representing the entire work would improve comprehension and presentation. The choice of methods used should be justified with a suitable background or comparative table, explaining why these specific methods were chosen over others. Lastly, the symbols used in equations should be meticulously explained, preferably with a Table of Nomenclature, to avoid any ambiguity and enhance clarity. Furthermore, the manuscript would benefit from a more insightful commentary on the outcomes presented in the figures, and the inclusion of additional theoretical content and equations to support the modeling. This will address the current lack of accuracy and scientific rigor, which significantly lowers the overall quality of the paper.