

Review of: "The Thomson-Clausius synthesis revisited: Why “conversion” of heat to work is a misnomer?"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

This manuscript is about the Thomson-Clausius synthesis revisited and why “conversion” of heat to work is a misnomer. In general, it seems to be well written as scientific article, however, some comments could be mentioned on the text, as follows,

1. The structure could be modified based on the introduction, the research method, results and the discussion, conclusions and references. This form of writing is now confusing.
2. In the abstract, some literatures are mentioned which is not proper.
3. All keywords should be found in the article title and abstract.
4. All formulations need references, unless they were extracted by authors.
5. No references should be mentioned in the conclusion part. They should be moved to the discussion. The conclusion section should be rewritten one by one to show the novel results.
6. References should be updated based on recent publications in 2015-2022.