

Review of: "Optimizing Energy Efficiency for Connected and Autonomous Electric Vehicles in the Context of Vehicle-Traffic Interaction"

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Potential competing interests: No potential competing interests to declare.

The paper entitled "Optimizing Energy Efficiency for Connected and Autonomous Electric Vehicles in the Context of Vehicle Traffic Interaction", this work proposes an energy conscious optimization strategy with the goal of raising CAEVs' energy effectiveness. But the paper must be improved vastly. Discussion must appear at this level:

1- The introduction must be improved by more discussion on the state of the art.

I suggest adding three sections to the introduction (state of the art, motivation, and paper organization).

2- This paper is poorly written, and doesn't present significant new contributions; there is no novel improvement in this paper. The section 4.1 is superficial and weak, conclusion should be rewritten with emphasized on your novelty and detail results should be written in abstract.

3- The novelty of the manuscript, compared to the literature, is not clear. You should improve your analyzing. It is very important to prove that your manuscript has a significant value and not trivial.

4- Where is the control improved algorithm? we need to see how it is improved and what the difference is with the basic solution.

5- Please add the block diagram for the procedure developed in the paper.

6- How was it dealt with Eco problem?

7- Revise equations (1), (7) and (8)

8- A comparison section should be added at the end of the paper.

9- Many paragraphs and data are mentioned without referencing. The authors have to mention the references.

10- The analysis of the section " Results of Eco " must be improved.

11- The results and discussion section is very weak and needs a lot of improvement.

12- Fix the typos and grammatical errors in the manuscript.

13- Finally, you need to express the benefit of the paper in more detail. It's unclear at the end of the study.