

Review of: "Blockchain EV Payment Systems: A Systematic Literature Review in Retail Energy Trading"

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Potential competing interests: No potential competing interests to declare.

Dear authors, I am grateful for the opportunity of reviewing your interesting article regarding the utilization of blockchain payment systems in the context of electric vehicles. While I acknowledge the overall effort put into the article, I believe that certain improvements are necessary. I hope that the following suggestions will prove valuable in enhancing the overall quality of the work.

The authors investigate in their article the utilization of blockchain payment systems in the context of electric vehicles. They seek to identify specific themes and investigate blockchain EV charging applications and their implications. This is an important and up-to-date topic as blockchain has the potential to significantly improve payment processes.

The abstract is the heart of the article and should give the interested reader a quick overview of the study with its purpose, methodology, results and implications. I kindly suggest to revise the broad statement on findings in the abstract and add the conclusions. I therefore kindly suggest including the main findings and the conclusions in the abstract section.

I kindly suggest to revise the structure of the paper. Following an introduction, which is setting the stage for the article, consider a theoretical section which provides the background and framework for the study, where the research gap is examined in more detail. At present this is integrated within the introduction section. The methodology part should then precede the results. Some results are currently integrated within the methodology section. I suggest to separate results from methodology and explain them in a separate section. The implications I kindly propose to be addressed in the results/discussion section and the limitations in the conclusion section.

I suggest the introduction to elaborate on the novelty, describe the problem that needs to be investigated, the research gap, and the aim, which has been addressed. For the research gap I suggest to include this in the introduction section or in the theoretical background section. Integrate the findings on the key themes, sub-themes and applications to obtain a clear understanding of the research topic.

The authors employ a systematic literature review to investigate the application of blockchain to payment systems in the electrical vehicle industry. The methodology appears compelling and well-suited to the research aim. However, as blockchain is part of the research object I kindly suggest to provide sufficient details about the platform and the type of blockchain, smart contracts, tokens, etc. under research to enhance clarity and reproducibility of the review. For example platforms differ in terms of access permission, consensus protocols, and features to name a few and may have unique use cases. I also kindly propose to revise the terminology in relation to Ethereum, which is a platform and not a blockchain.

model as mentioned.

On page 2 the searchstring "blockchain" OR "digital ledger" AND "payment system*" is mentioned. Besides the fact I could not find a reference for the * following "payment system*" kindly consider to be more specific and expand the search according to the scope of the research. Please provide support on the chosen inclusion and exclusion criteria as part of the search strategy and the data range. Please kindly also consider providing a data collection flow chart detailing the process of identification, screening, and inclusion of relevant literature.

The section „Directions for future research“ mention that recommendations were developed. I suggest to point out the recommendations in the discussion section. I also kindly suggest to provide a synopsis of Table 1 results on research deficits.

I kindly propose to address the answer to the key themes, practical implications, and research deficits in the discussion section where the focus is on summarising and interpreting the findings based on the research questions.

The discussion section should be built around an analysis of the findings. I kindly propose to structure the discussion section to improve the logical progression of the findings and to provide a synthesis of the themes and patterns that emerge from the structured literature review.

I found minor orthographic errors (e.g. page 3, third paragraph) which should be corrected. Upper and lower cases are not used consistently, e.g., on page 3. However, a professional editing is not required due to the very good command of English.

The references appear to have been appropriately cited.

To conclude, the article addresses an important topic and clearly presents the research aim and methodology. To improve the overall quality of the article the structure should be revised according to the feedback provided. This will also enhance its clarity and consistency. Overall, the study makes an important contribution to the field.