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.

This review builds over 21 papers addressing the emergence of blockchain-based solutions as payment systems for EV-charging, and it focuses on the challenges related to privacy and security. My comments are summarized as follows:

1. Methodology. I found it very interesting the process of systematization using ML. I would suggest to expand the primary and sub-themes found by a expanding them and providing a comprehensive context. This would help new-comers in the field to better understand the findings beyond the statistical analysis.

2. Discussion. To better understand the challenges of privacy and security in place, it could be useful to make a comparison on how current centralized energy trading institutions manage data and the kind of challenges that stem from it. This could help to reflect on the limitations in privacy, security and anonymization. Also, it could be interesting to get data from primary/secondary sources retrieving information directly from the blockchain-based business and developers to understand how they are tackling these well known issues in the industry.

3. Directions for future research. I would suggest to expand and extensively address each of the venues of future research found. The list is a brief summary but brings more questions than answers.

Overall, I consider this is a great work in progress paper but it needs to expand on a theoretical background / framework if attempts to get published in a journal.