

# 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.

The paper "Blockchain EV Payment Systems: A Systematic Literature Review in Retail Energy Trading" provides a thorough examination of the intersection of blockchain technology and electric vehicle (EV) payment systems. Here are some observations and considerations:

## **\*\*Strengths:\*\***

1. **\*\*Comprehensive Literature Review:\*\*** The paper offers a comprehensive review of existing literature, covering key themes such as blockchain features, electric vehicle charging systems, and smart contracts. This provides readers with a solid understanding of the current state of research in this domain.
2. **\*\*Thorough Methodology:\*\*** The use of a systematic literature review (SLR) with well-defined parameters, inclusion/exclusion criteria, and the application of machine learning techniques (ASReview) adds rigor to the research process. This methodology contributes to the reliability and replicability of the study.
3. **\*\*Identification of Key Themes:\*\*** The paper effectively identifies and categorizes key themes, such as blockchain features, electric vehicle charging systems, and smart contracts. The thematic analysis provides a structured way to explore the literature and understand the main topics.
4. **\*\*Future Research Directions:\*\*** The paper appropriately addresses future research directions, highlighting specific deficits in the current body of literature. This aids in guiding researchers toward potential areas for further investigation and development.

## **\*\*Areas for Improvement:\*\***

1. **\*\*Real-world Examples:\*\*** While the paper provides a solid theoretical foundation, incorporating real-world examples or case studies could enhance the practical relevance of the findings. Concrete instances of blockchain implementation in EV payment systems would make the content more tangible for readers.
2. **\*\*Ethical Considerations:\*\*** Given the potential privacy implications of blockchain in EV payment systems, the paper could benefit from a more explicit discussion of ethical considerations. How can privacy and security concerns be balanced with the need for efficient transactions?
3. **\*\*Discussion of Limitations:\*\*** While the paper mentions limitations related to database selection and the use of machine learning, a more detailed discussion of potential biases introduced by these limitations would strengthen the transparency



of the research.