

## Review of: "Longevity of Electric Vehicle Operations"

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The authors have emphasized the relevance of electric vehicles (EVs) in the context of substantial emissions and climate change challenges. Their work primarily caters to both learners and users. However, when considering the establishment of a positive public perception and widespread acceptance of EVs over internal combustion engines, it is crucial to address questions related to EV and battery lifespan, convenient and rapid charging options.

In the introduction, it would have been more effective to initially underscore the significance of EVs within the broader context of addressing emissions and climate change. Subsequently, discussing the diversification of EV applications and raising sustainability-related questions regarding EV longevity, battery charging capacity, recyclability, public charging infrastructure, cross-border charging networks, and the exploration of faster charging routes would have been more apt.

Providing a clear explanation of how charging infrastructure, battery material composition, and electrode material choices can impact battery safety and ensure rapid and stable charging is essential.

Furthermore, a more systematic analysis of battery technology, charging infrastructure, and their environmental impact, along with how proper policy support can expedite sustainable development, is warranted. Additionally, addressing how combustion engine cars can be recycled and integrated into resource management with minimal emissions through advanced policy frameworks is necessary.

Ultimately, the overall trajectory of EV technology advancement should be a central focus of the discussion.

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