

Review of: "Low-Carbon Hydrogen Economy Perspective and Net Zero-Energy Transition through Proton Exchange Membrane Electrolysis Cells (PEMECs), Anion Exchange Membranes (AEMs) and Wind for Green Hydrogen Generation"

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Potential competing interests: No potential competing interests to declare.

This manuscript addresses two topics of the low-carbon hydrogen economy: reducing CO₂ emissions and the technology overview on green hydrogen generation. It would suit educational purposes. Actually, the former topic is shown clearly with conspicuous figures in the Introduction. However, as a scientific paper in the electrochemical field, it would be recommended to focus on the latter topic. Therefore, a major revision would be required.

1. The authors may consider summarizing other groups' achievements on PEMEC and AEMEC from the viewpoints of catalyst, efficiency, and reaction mechanism.
2. In 1. Introduction, the preceding sentences should be excluded to start directly with 1.1. Green Hydrogen.
3. In 8. Conclusion, the first and the last paragraphs would be needless because they present common knowledge.