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 article by Mittal et al. provides a comprehensive and insightful exploration into low-carbon hydrogen generation, critically addressing the integration of Proton Exchange Membrane Electrolysis Cells (PEMECs), Anion Exchange Membranes (AEMs), and wind energy. The authors' focus on sustainable and efficient hydrogen production aligns well with global decarbonization goals and offers viable solutions to current technological limitations. The detailed analysis of various electrolysis methods alongside economic implications presents a significant contribution to the field, potentially guiding future research and policy. This work undoubtedly stands as a valuable resource for stakeholders aiming to advance the hydrogen economy towards net-zero transitions.