

# 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.

- I suggest the authors cite all references in the same way (e.g., surname of the first author et al.,....)
- The authors do not recall Figure 9 in any part of the article.
- Paragraph 5 "Power Electronics Configuration: A nearly infinite number of power electronics topologies can be used on a wind turbine" — the paragraph is not clear to me. I do not understand also the schemes of Figure 7. The authors should explain more clearly in paragraph 5, and I invite them to insert some blocks into the figure to help the reader to individuate the parts of the circuits described.
- Paragraph 5, entitled "Power Electronics Configuration: A nearly infinite number of power electronics topologies can be used on a wind turbine," is not clear to me. The reader has difficulty finding the parts described in paragraph 5 in the diagrams in Figure 7. The authors should explain paragraph 5 more simply and refer to the circuit parts by naming and perhaps pointing to some blocks in the figure, as they did in the articles they refer to.
- Page 16 (1<sup>st</sup> line): add a space between I2 and MEA.
- 5<sup>th</sup> line after Figure 12 (page 19): replace pt-based... with Pt-based...
- In the article, the authors do not use acronyms in the same way: sometimes on the first use of an acronym they write the name in full, sometimes not. I suggest the authors always include the full name and its acronym, even when the subject is only mentioned once in the article.