

Review of: "Water-Energy Nexus in Power Systems: A Review"

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Potential competing interests: No potential competing interests to declare.

The paper is overall covering an interesting topic, and it is well-written. Anyway, I have some concerns about this article, which could be, in my opinion, definitely improved:

- Authors should state how this work could be beneficial for other researchers. I do not see a clearly defined research question or - simply - any purpose of this literature review. How did you define your research query for the papers' databases? I think it could also be interesting to discuss how authors' achievements and findings can be used by the research community, defining some next steps to guide research in water-energy systems.
- There is no information about the methodology authors used to carry out their literature review (e.g., PRISMA). How were the presented articles selected? Why? Many more papers on the topic are available than the ones presented in this paper; how do we know that what we are reading is "enough"? The lack of a methodological foundation makes it difficult to justify the rigorousness (and so the usefulness) of this literature review.
- It is not so easy to get authors' findings. I think some figures (depicting (e.g., research trends, or the frequency of use of one method instead of others, etc.) and their discussion could help the clear presentation of authors' results. Some figures are referenced in the text, but I was not able to see them in the manuscript.