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 thoughtfully composed and demonstrates a comprehensive review of a significant number of articles. However, it exhibits certain areas that require attention, including an underdeveloped methodology, the omission of definitions for some abbreviations used, and other concerns outlined below.

1. **Absence of Methodology for Systematic Review**:

- Clearly define your systematic review methodology in the document. This should include how databases were searched, inclusion and exclusion criteria, the process of selecting articles, and the methods used for data extraction and analysis. Providing a detailed methodology section will enhance the credibility and reproducibility of your review.

2. **Incorporate a Table to Compare Parameters**:

- Design a table that succinctly compares the main parameters or variables studied across the selected articles. Include critical information such as study type, population, intervention, outcomes, and key findings. Tables are effective in summarizing complex data, making it easier for readers to grasp differences and similarities between studies.

3. **What is the Time Interval During Which the Articles Were Chosen?**

- Specify the time range during which your literature search was conducted. This information should be part of your methodology section. Clearly stating the time frame helps in understanding the relevance and recency of the studies included in your review.

4. **Display a Portion of the Findings at the Conclusion of the Summary**:

- Summarize key findings and their implications in the abstract. Highlighting the most significant results provides readers with a quick overview of the relevance and impact of your review.

5. **HE Was Not Defined Beforehand**:

- Ensure that all abbreviations, including "HE," are clearly defined upon their first appearance in the text. If "HE" refers to a specific term relevant to your field, introduce it properly to avoid confusion.

6. **Set Power to be in Subscript and Superscript**

- When discussing mathematical or scientific concepts that involve powers, use subscript for variables (e.g., $2X_2$) and superscript for power notation (e.g., $2X^2$). Most word processors and typesetting software support these formatting options, improving the readability and accuracy of your document.

7. Improve Data Presentation:

- Reevaluate how you present data and findings. Use tables, figures, and charts effectively to summarize and illustrate key points. Ensure that all visual elements are clearly labeled and referenced in the text.

Implementing these solutions will improve the clarity, completeness, and professionalism of your document, making it more accessible and informative to your audience.