Review of: "Toward the Realization of Nanogate Capacitors: In Search of Practical Advice"

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Potential competing interests: No potential competing interests to declare.

Dear Editor/Authors,

The article title '*Toward the Realization of Nanogate Capacitors: In Search of Practical Advice*' explores the concept of Nanogate Capacitors and the potential of their realization, presenting a detailed overview of the current challenges and advancements in electric double layer capacitors (EDLCs). The authors introduce the ECaSS(R) system and delve into the innovative work of M. Okamura, proposing practical advice for the development of Nanogate Capacitors.

The intriguing nature of the paper lies in its potential contribution to the field of Nanogate Capacitors. The emphasis on practicality aligns well with current trends, but there are several suggestions for improvement on my end as follows:

- Abstract: Condense the abstract to provide a clearer and more concise overview. Consider incorporating a brief roadmap at the beginning to enhance reader understanding.
- Including diagrams to illustrate key technical concepts, especially those related to the structure of electric double layers, will be helpful for the readers.
- Providing more insight into potential challenges and future directions of the lab's research on Nanogate Capacitors, and discussing the current state of Nanogate Capacitor research and recent developments in the field, would give better context to the readers.
- Recapitulate key findings in the conclusion, summarizing the main contributions and potential impacts of Nanogate Capacitors to reinforce the significance of the research, is missing.
- Consider incorporating additional references related to supercapacitors to improve the manuscript's worth.
- Define abbreviations in first application. For e.g., EDLC is used in the abstract without abbreviations.

Incorporating these suggestions should significantly strengthen the manuscript, making it more accessible to a wider audience and contributing to the advancement of knowledge in the field of Nanogate Capacitors.