

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.

In this paper, the authors discuss "Toward the Realization of Nanogate Capacitors: In Search of Practical Advice".I think this paper can be accepted with minor revisions.

- The paragraphs are poorly constructed, making the text incoherent. The spelling and punctuation should be corrected.

 Also, the text is insufficient to allow a clear understanding of the author's opinions.
- Some definitions are not clear and/or well-explained, leading to a misunderstanding of some aspects.
- The double-layer capacitance, which is denoted as the Helmholtz capacitance, is influenced by various factors.
 However, the effect of electrolyte density on it is not straightforward. Higher double-layer capacitances (C_h) can be achieved by increasing the ion density or molarity of electrolytes. Thus, the quotation below might have been wrong, or the terminology is used incorrectly.
- ...It turns out that the higher the density of the electrolyte (whence the smaller $\underline{\phi}$), the smaller the voltage V_d , and that C_d is negligible compared with C_h ...
- The atmospheric conditions are the key parameters that enable the carbonaceous materials to form carbon via calcination. The incomplete information can misguide the readers.

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