## Qeios

### Peer Review

# Review of: "Topolectrical Circuits – Recent Experimental Advances and Developments"

#### Tie Jun Cui<sup>1</sup>

1. Southeast University, China

This manuscript presents a comprehensive and clearly structured overview of recent advances in the field of topological circuits, emphasizing non-Hermitian, nonlinear, Floquet, and other innovative circuit designs. The authors also address the timely integration of machine learning techniques into topological circuits, highlighting an emerging research direction. Overall, the paper effectively synthesizes current research trends with clarity and logical coherence, and I recommend its acceptance. However, I have several suggestions to further improve the manuscript:

- 1. On page 6, the expression J=U+i\omega C+\frac{1}{i\omega}L should be revised to J=U+i\omega C+\frac{1}{i\omega L} to ensure consistency with Eq. (3).
- 2. When introducing the abbreviation "GBZ" for the first time, please explicitly specify its full form as "generalized Brillouin zone (GBZ)" to improve clarity for readers unfamiliar with this term.
- 3. Reference [428] has now been published (https://doi.org/10.1093/nsr/nwaf137). Please update this reference accordingly.
- 4. The Outlook section effectively highlights potential future directions. To enhance its impact further, it is suggested to provide a more focused discussion on key research challenges, currently underexplored opportunities, and promising applications within topological circuits.

### Declarations

Potential competing interests: No potential competing interests to declare.