

Review of: "Flow Batteries From 1879 To 2022 And Beyond"

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Potential competing interests: No potential competing interests to declare.

This review provides a comprehensive bibliometric summary of flow batteries. It is interesting and will be helpful to the researchers and engineers related to redox flow batteries. This review will become more scientific and comprehensive after considering the following issues.

1. The difference, both merits and disadvantages, of homogenous and nonhomogeneous redox flow batteries should be compared to make their application potential to be clearer.
2. Perspective and challenge related semi-solid and all organic RFBs should be provided.
3. The impact of ion/electron conduction networks on the electrochemical performances of complex nonhomogeneous RFBs should be discusses as many new type of semi-solid RFBs are being proposed.