

Review of: "Kirchhoff Coupling Generates ATP, the Chemical Energy of Life"

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Potential competing interests: No potential competing interests to declare.

The authors argue in his referenced papers that Kirchhoff coupling process is more efficient than the traditional model of ATP production, which involves the transfer of electrons from photosystem II to photosystem I, and then to ferredoxin, before ultimately driving ATP production. However, the author does not explain the details in this short paper. This paper should elaborate and include a thorough review of the existing literature and a detailed analysis of the biochemical mechanisms involved. Then, it should include how the Kirchhoff coupling process is more efficient by providing computational models and/or physical analysis if the author wants to suggest that it could have important implications for our understanding of cellular energy metabolism and the evolution of life on Earth.

The figures should include more details for the reader to understand since Figure 2 has not been referenced or explained in the paper.