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Physics of metabolic organization

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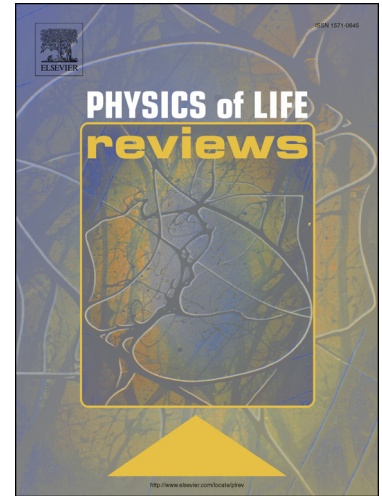
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Highlights

- We review the most comprehensive metabolic theory of life existing to date.
- Special focus is given to the thermodynamic roots of this theory.
- We invoke examples from biology to motivate new concepts and justify assumptions.
- Utilization energy flow, a key concept, is derived in an original and simplified way.
- Specific examples illustrate a range of possible applications.

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