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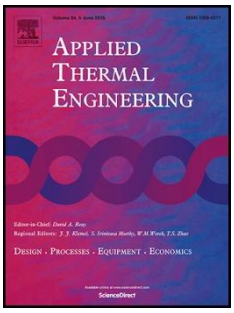

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Fundamental and application aspects of adsorption cooling and desalination

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Highlights

- Adsorption characteristics of various adsorbent-refrigerant pairs have been investigated.
- Adsorption cycle for sea water desalination has been introduced.
- Introduced the performance of hybridized adsorption and thermally driven cycle.
- Presented the costing of desalination methods by energetic and exergetic approaches.