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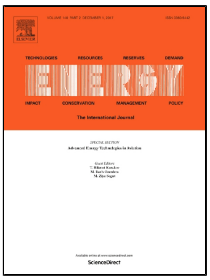

Dynamic behaviour Simulation of a Liquid Desiccant Dehumidification System

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Highlights

- The dynamic models have reliability to simulate a solar assisted liquid desiccant dehumidification system
- The maximum deviation between the humidity ratio results from simulation and measurements is 12.5 %.
- The comparison between the two employed dynamic models show that the disagreement between them is insignificant.
- The transient model could speed up the processing time by 21% more than the quasi-steady state mode