## **Accepted Manuscript**

Numerical and experimental evaluation of ice storages with ice on capillary mat heat exchangers

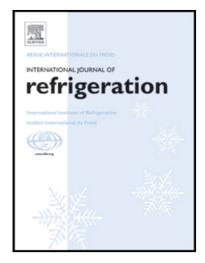
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#### ACCEPTED MANUSCRIPT

### Highlights

- An ice storage model with capillary mat heat exchangers has been developed.
- The model considers the solidification of ice for asymmetric tube configurations.
- The model has been successfully validated with experimental data.
- Averaged root mean square differences in the range of 2 to 6% were obtained.

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