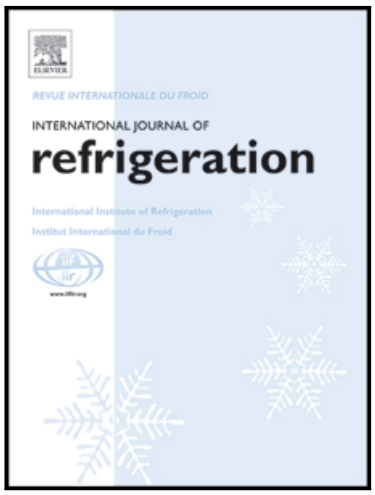


# Experimental and numerical comparison of multi-layered $La(Fe,Si,Mn)_{13}H_y$ active magnetic regenerators

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PII: S0140-7007(17)30434-6
DOI: 10.1016/j.ijrefrig.2017.10.032
Reference: JIJR 3800

To appear in: *International Journal of Refrigeration*

Received date: 29 June 2017
Revised date: 23 October 2017
Accepted date: 24 October 2017

Please cite this article as: Kristina Navickaitė , Henrique Neves Bez , Tian Lei , Alexander Barcza , Hugo Vieyra , Christian R.H. Bahl , Kurt Engelbrecht , Experimental and numerical comparison of multi-layered $La(Fe,Si,Mn)_{13}H_y$ active magnetic regenerators, *International Journal of Refrigeration* (2017), doi: 10.1016/j.ijrefrig.2017.10.032

## Highlights

- Magnetic regenerators based on $La(FeSiMn)_{13}H_y$ with two, five and nine layers were tested.
- Experimental and simulation results are in a good agreement for a range of operation.
- Five- and nine-layer regenerators established no-load temperature span of 20.9 K.
- The highest temperature span for a cooling load of 12.4 W/kg was $\Delta T_{span}$=19.8 K.